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HEALTH STATUS AND ATTITUDE SERIES

Volume 1: CODEBOOKS FOR ADULTS AND CHILDREN
AT ENROLLMENT AND EXIT

E. M. Sloss, L. L. Colbert, D. L. Wesley, A. M. Bell,
A. B. Holland,

November 1986

HEALTH INSURANCE EXPERIMENT

THE **RAND**
CORPORATION

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PREFACE

This Note describes the contents of two data files from the Health Insurance Experiment (HIE), a major social experiment conducted by The RAND Corporation from 1974 to 1982 under a grant from the U.S. Department of Health and Human Services. The experiment assessed how variations in patients' share of health care costs, as determined by insurance plan, affected their use of health services, their satisfaction with care, the quality of their care, and the state of their health. A related purpose was to study how those outcomes were influenced by the mode of delivery, i.e., fee for service or health maintenance organization. RAND is issuing a number of data files on tape, grouped in topical series, with associated documentation.

This Note details most of the measures used by the HIE to determine how different levels of insurance affect state of health and satisfaction with health care. The measures are grouped in two *health status and attitude* data files--one on adults, the other on children. Background information is provided on the two files, including the sample of participants for whom data were recorded and how the data were compiled. The two files together contain 8,711 records, each representing one adult or child enrollee in the experiment. The variables documented here are derived from raw data elicited at the beginning and the end of the experiment. The information provided allows the user to trace the construction of each variable from the questions asked of participants. Each variable is briefly described and information on the distribution of values is summarized. Then follow a listing of the input variables from which it was derived and a step-by-step description of its construction.

In addition to the health status and attitude data files, RAND is releasing for public use the HIE files on eligibility and family status, the demographic and economic characteristics of the full original sample together with subsets of that sample, the fee-for-service claims aggregated by year, the services and charges derived from the HIE insurance claim forms, and adult and child medical disorders at the

beginning and end of the experiment, as well as the file containing the raw data from the questionnaires that recorded each participant's medical history. Most analyses will require use of data from two or more of those HIE files.

The files presented in this Note would be useful for testing new hypotheses concerning health status and attitudes toward health care, conducting comparative analyses of the HIE and other population samples, and studying the relationship between measures in these files and utilization or cost measures from other HIE files, as well as for answering numerous associated research questions. The HIE data files being released to the public afford researchers in many health-related fields the opportunity to use a unique source of information representing years of data collection and processing.

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I. INTRODUCTION

This section presents an overview of the Health Insurance Experiment (HIE) and its data collection and file development efforts. Here we supply essential background for understanding the contents of the two codebooks included in this Note. Section II describes the distinctive features of the data files documented by those codebooks and the health status and attitude series of which they are a part. Section III presents the codebooks themselves.

EXPERIMENTAL DESIGN

The RAND Corporation conducted the Health Insurance Experiment from 1974 to 1982 in six sites across the United States: Dayton, Ohio; Seattle, Washington; Franklin County and Fitchburg, Massachusetts; and Georgetown County and Charleston, South Carolina.¹ The main purpose of the experiment was to assess how varying patients' cost of health services affected their use of services, their satisfaction with health care, the quality of their care, and the state of their health. A related purpose was to study how those outcomes were affected by the mode of delivery--fee for service or health maintenance organization (HMO).²

Over the course of the experiment, information of some kind was obtained for 26,148 persons. A total of 24,340 persons were administered a baseline interview (*baseline participants*³), of which

¹The sites were chosen to represent the four census regions of the country and both urban and rural areas. They also differed in the amount of delay to obtain an appointment, reflecting different degrees of stress on the ambulatory medical care system. Site selection is described in Philip J. Held, *Site Selection Criteria for the Health Insurance Study*, The RAND Corporation, N-2266-HHS, May 1985.

²For a discussion of the purposes and design of the HIE, see Joseph P. Newhouse, "A Design for a Health Insurance Experiment," *Inquiry*, Vol. 11, No. 1, March 1974, pp. 5-27. HIE is also called HIS, Health Insurance Study. The terms are synonymous.

³This and other distinctive HIE terms are defined in the Glossary at the end of this document.

7,700 were ultimately enrolled.⁴ An additional 554 persons were enrolled later, all but a few of them newborns or adopted children under one year of age. Those 8,254 *insured enrollees* were assigned to an *experimental insurance treatment*, and data on their use of health services were collected throughout their period of participation.⁵ Another 2,483 *adjunct enrollees* were not assigned to an insurance treatment but resided with insured enrollees or were members of a short-lived control group in Dayton.

Selection of Enrollees

Persons offered enrollment in the experiment represent a random sample from each site, subject to certain eligibility restrictions.⁶ They were chosen by a two-stage baseline selection process. In each site an areawide probability sample of dwelling units was drawn. Their occupants were interviewed for eligibility, and those found eligible were questioned in depth about their socioeconomic characteristics and experience with health care (baseline interview).

Eligibility criteria excluded those whose health care delivery systems differed from options available to the general population. The following groups were excluded:

- Those who were eligible for Medicare or would become so during the experiment, i.e., those 62 years of age and older, or younger than 62 but with a Medicare-eligible condition such as end-stage renal disease.
- Those with family incomes over \$25,000 (1973 dollars).

⁴Of the remaining 16,640 persons, the 15,411 who did not enroll are called *baseline-only participants*; the other 1,229 are part of the adjunct enrollee group defined below.

⁵Note that "insured" in HIE terminology only means "assigned to an experimental treatment." By the same token, "uninsured" applies only to a participant not so assigned, not necessarily someone lacking health insurance altogether.

⁶Subject also to slight oversampling of low-income families in Dayton, Massachusetts, and South Carolina.

- Those institutionalized (jail, long-term hospital).
- Veterans with service-connected disabilities.
- Those in the military and their dependents.⁷

Project staff verified the accuracy of the information given by baseline participants with employers and insurance companies.

In the second selection stage, HIE staff drew a representative sample of eligible persons to be offered enrollment and assigned each family to one of the insurance plans described below. A sophisticated technique assured that, across plans, families closely resembled each other in 24 health and socioeconomic characteristics.⁸

Experimental Treatments

Sixteen experimental treatments distinguished between coinsurance rates, delivery systems, and maximum out-of-pocket expenditures. All but one of the treatments were health insurance plans, listed below as A-O. Enrollees who had gone through the baseline selection process were assigned to one of the plans. The remaining treatment involved a control group in Seattle, chosen separately.

Insurance Plans. Plans A-N entailed different degrees of cost sharing under the fee-for-service system. Within each cost-sharing group, listed below, plans also differed by the ceiling placed on maximum expenditure. Plan O involved participation in a prepaid group practice, a traditional type of HMO:

- A. Free care (0% coinsurance) (one plan).
- B-D. Family pays 25% of its medical bills (25% coinsurance) (three plans).

⁷Details of HIE eligibility requirements are in Lorraine Clasquin and Marie E. Brown, *Rules of Operation for the Rand Health Insurance Study*, The RAND Corporation, R-1602-HEW, May 1977, Sec. II.

⁸The logic and techniques used to determine optimal sample sizes and assign individual families to experimental plans are described in Carl N. Morris, "A Finite Selection Model for Experimental Design of the Health Insurance Study," *Journal of Econometrics*, Vol. 11, No. 1, September 1979, pp. 43-61.

- E-G. 50% coinsurance (three plans).
- H-J. 50% coinsurance for dental and outpatient mental health services and 25% coinsurance for all other services (three plans).
- K-M. 95% coinsurance (three plans).
- N. 95% coinsurance on outpatient services; 0% on hospital care (one plan).⁹
- O. 0% coinsurance if care was received at a Seattle HMO, Group Health Cooperative of Puget Sound; 95% if care was received outside the HMO (one plan).

Plans requiring coinsurance (B-N) placed a ceiling on annual out-of-pocket expenditures, above which care was free.¹⁰ In all but one plan (N), the ceiling was a specified percentage of the family's income or a dollar limit, whichever was less. The percentage varied with family income and the dollar limit varied with the plan, as indicated below:

<i>Plan</i>	<i>Percentage of Family Income</i>	<i>Dollar Limit</i>
B-D	5, 10, or 15	1000/750 ¹¹
E-G	5, 10, or 15	1000
H-J	5, 10, or 15	1000/750
K-M	5, 10, or 15	1000
N	--	150 per individual; 450 per family

⁹During the experiment's first year in Dayton, the provisions of plans A-N differed in two ways: Only plan A covered dental services for adults; and the coinsurance rate on plans K-N was 100 percent instead of 95 percent.

¹⁰During the experiment's first year in Dayton, expenditures for outpatient mental health care did not apply toward the ceiling.

¹¹In plans B-D and H-J the \$1000 limit applied during the first two years of enrollment for Dayton families who enrolled from November 1974 to February 1975; and during the first year of enrollment for Seattle families who enrolled from January to September 1976. The \$750 limit applied during subsequent enrollment years for the aforementioned families, and during the entire enrollment period for all other families.

HMO Control Group. A random sample of existing members of the Group Health Cooperative (subject to HIE eligibility requirements) was drawn as a control group for the HMO experimental group assigned to plan O. The control group was formed to compare HMO use by those who had *chosen* that delivery mode (i.e., members of the control group) with use by those experimentally *transferred* to an HMO from the fee-for-service system (i.e., members of the experimental group). Enrollees in the HMO control group continued with the Group Health Cooperative under their prior arrangements but provided the same data as HMO experimental members. With respect to the insurance provider, enrollees assigned to plans A-O (including the HMO experimental group) were said to be HIE-insured; the HMO control group was termed HMO-insured.

Services Provided

Plans A-O provided the same comprehensive benefits, including hospital, physician, dental, mental health, visual, and auditory services, drugs (including over-the-counter drugs for certain chronic conditions), and supplies. Services of nonphysician providers, such as audiologists, chiropractors, clinical psychologists, optometrists, physical therapists, and speech therapists, were also covered. The only noteworthy exclusions were nonpreventive orthodontic services, cosmetic surgery for preexisting conditions, and outpatient mental health visits exceeding 52 per year.

Enrollees were able to choose the physicians and other persons who provided their health care. However, if those in the HMO experimental group sought care outside the HMO that was available within, they were responsible for 95 percent of the cost. (For covered services, such as dental or chiropractic, that were unavailable at the HMO, members of the experimental HMO group were fully reimbursed.)

Enrollees in the HMO control group retained whatever benefit package they or their employer had purchased from the HMO. Members of both control and experimental groups were reimbursed 5 percent of the cost of care obtained outside the HMO to encourage the reporting of non-HMO care.

Terms of Enrollment

Families who accepted the insurance plan offered from plans A-O were enrolled in the experiment for either three or five years, the term randomly assigned. All members of the HMO control group were enrolled for five years.

Enrollees assigned any benefits from their existing health insurance policies to the HIE during the time they participated. No family was financially penalized by HIE enrollment. Enrollees were reimbursed for the cost of maintaining their policies, and if their HIE plan could, under any conceivable set of circumstances, provide less coverage than their private policies, they were paid the maximum difference.¹²

Table 1 indicates the timing of enrollment in the experiment and number of enrollees insured immediately after the baseline selection process in each site.

DATA COLLECTION

Over the course of the experiment, extensive data were collected on participants' demographic and economic characteristics, health status, and use of health services. Background information was obtained on local health care costs, providers, and types of services rendered. The data collection instruments are described in Table 2.

Table 2 shows the amount and types of data gathered from the various participant groups. The most extensive data, especially longitudinal data on the use of health services, are available from the 8,254 insured enrollees, who participated in the experiment longest. The 15,411 baseline-only participants provided much demographic and socioeconomic data, as well as information on health status, experience with health care, and health-related attitudes. Limited data were obtained for the 2,483 adjunct enrollees.

Several subcontractors to RAND participated in the data collection effort. Until March 1975, Mathematica, Inc., supervised data collection, administered the insurance plans, and processed claim forms.

¹²Calculation of the maximum difference is described in Appendix A.

Table 1

HIE ENROLLMENT PERIODS

Site	Number of Enrollees ¹	1974	1975	1976	1977	1978	1979	1980	1981	1982
Dayton	1137	Nov.								Feb.
3-year	533						Feb.			
5-year	604									
Seattle	3112		Jan.							Sept.
3-year	1500						Sept.			
5-year	1612									
Fitchburg	723		July							Oct.
3-year	547						Oct.			
5-year	176									
Franklin Co.	889		July							Oct.
3-year	649						Oct.			
5-year	240									
Charleston	779		Nov.							Feb.
3-year ²	571					Nov.				
5-year	208									
Georgetown Co.	1060		Nov.							Feb.
3-year ³	800					Nov.				
5-year	260									
Total	7700									

NOTE: Timelines mark the month and year in which the first person enrolled in the experiment and the month and year in which the last person left the experiment. Data on use of health services continued to be collected from several groups after the end dates shown here: one year afterward for the Dayton 5-year group and Seattle, Fitchburg, and Franklin County 3-year groups; six months afterward for the Dayton 3-year group.

¹Numbers refer to enrollees insured immediately after the baseline selection process. An additional 554 persons were enrolled and insured later, nearly all of them newborns or adopted children under 1 year of age. Figures for Seattle include the HMO control group.

²Some of these enrollees were also members of a preenrollment group between November 1976 and February 1979. An additional 339 persons participated in the preenrollment phase but did not formally enroll in the experiment.

³Some of these enrollees were also members of a preenrollment group between November 1976 and February 1979. An additional 213 persons participated in the preenrollment phase but did not formally enroll in the experiment.

Table 2

PRINCIPAL HIE DATA COLLECTION INSTRUMENTS

Instrument	Topics Covered	Data Collected			From
		How	When		
1. Screening questionnaire [1]	Demographic information to establish basic eligibility	Interview	Beginning of HIE operation in site	Occupants of representative sample of dwelling units on geographic clusters in site	
2. Baseline questionnaire, 2 parts	Income, employment Family composition Health status Health care experience and insurance coverage Satisfaction with medical care	Interview Self-administered	4-6 months before enrollment 4-6 months before enrollment	Baseline participants Baseline participants	
3. Enrollment verification form	Changes in family composition, economics, or insurance coverage since baseline questionnaire	Interview	Between administration of baseline questionnaire and enrollment date	Baseline participants determined eligible	
4. Medical history questionnaire (MHQ), 3 versions by age group: 0-4 years 5-13 years 14+ years	Form A: health status, attitudes, habits Form B: specific medical disorders	Administered by self or parent [2]	Just before enrollment and exit [3]	Insured enrollees	1 ∞ 1
5. Medical screening examination, 3 versions by age group: 0-2 years 3-13 years 14+ years	Physiologic tests	Paramedical personnel	Just before enrollment and exit	Sample of insured enrollees at enrollment; all exiting enrollees	
6. Health report	Use of medical or dental services and time spent obtaining them; any restricted activity or bed disability	Administered by self or parent	Biweekly during period of participation	Insured enrollees [4]	

1. Administered as a separate questionnaire only in Dayton; part of baseline questionnaire in the other sites.
2. When "parent" appears in this column, a parent was asked to provide data for children 13 and younger.
3. "Exit" refers to normal departure from the experiment after completing the assigned enrollment period, three or five years. Those who "attrited," or voluntarily left the experiment early, received an "attrition" MHQ that was identical to the exit MHQ.
4. In the first year of the experiment in Dayton, the health report was administered weekly to a random half of Dayton enrollees. In the first year of the experiment in Massachusetts and South Carolina, 25 percent of enrollees were exempted to measure the reporting requirement's effect on the use of health services. Also at one point virtually all participants stopped filling out health reports, for budgetary reasons.

Table 2 (cont.)

Instrument	Topics Covered	Data Collected		
		How	When	From
7. Health care questionnaire, 3 versions by age group: 0-4 years 5-13 years 14+ years	Health status, attitudes, habits (subset of MHQ)	Administered by self or parent	Each anniversary of enrollment except at exit	Insured enrollees
8. Annual income report	Amount and sources of family income, taxes paid	Self-administered	Annually (April)	Head of insured family
9. Periodic employment report	Wages, hours worked, family payments for care of children or elderly, government program benefits received	Self-administered	Semiannually	Enrollees (head and family members 16 and older)
10. Assets and debts questionnaire	Family assets and liabilities	Self-administered	Exit	Head of insured family
11. Knowledge of coverage questionnaire	Details of HIE insurance plan	Self-administered	Specified intervals [5]	Insured enrollees
12. Insurance abstraction	Details of selected insurance policies	Abstraction	At time of knowledge of coverage questionnaire	Insurance company brochures
13. Chronic condition questionnaire	Status of condition, correctness of diagnosis, adequacy of treatment	Physician interview	At exit medical screening examination	Sample of insured enrollees found to have certain chronic conditions [6]
14. Evaluation questionnaire	Perceptions and attitudes about HIE and health care system	Self-administered	Exit	Head of insured family
15. Health notice	Use of medical or dental services	Administered by self or parent	Biweekly during preenrollment phase (South Carolina); 6 months-1 year after exit (other sites)	Preenrollees (South Carolina), insured enrollees who have exited (other sites)

5. Intended intervals were enrollment, 18 months, 3 years, and 5 years after enrollment (the last only for the 5-year participants). Actual mailings approximated those intervals in Massachusetts and South Carolina; the first mailing was 2-1/2 years and 1 year after enrollment in Dayton and Seattle, respectively.

6. Hypertension, diabetes, thyroid diseases, chronic heart diseases, chronic lung diseases, joint diseases, ulcers, cerebrovascular disease.

Table 2 (cont.)

Instrument	Topics Covered	Data Collected		
		How	When	From
16. Medical expense report (MER)--fee-for-service claim form, 4 types: Doctors' services and supplies Dental care Hospital and extended care Pharmacy	Each use of medical or dental service, drugs, and equipment; reason or diagnosis; treatment	Administered by self or parent	Time of occurrence	Insured enrollees and providers/suppliers
17. Services rendered report (SERR)--HMO equivalent of MER [7], 2 types: Doctors' services and supplies Hospital and extended care	Each use of medical service provided by HMO; reason or diagnosis; treatment	Abstraction	Annually to cover entire previous year	HMO records for insured enrollees in HMO experimental and control groups
18. Factor price survey	Wages and benefits of selected hospital personnel [8], average daily inpatient population	Phone and mail	Semiannually	Sample of local hospitals
19. Consumer price index	Prices of selected nonmedical products in the six HIE sites	Phone and inspection	Semiannually	Sample of local retailers
20. Physician capacity utilization survey (PCUTS)	Availability of services [9]	Phone	Annually	Sample of local physicians [10]
21. Dentist capacity utilization survey (DCUTS)	Similar to PCUTS	Phone	Annually	Sample of local dentists [11]
22. Insurance preference questionnaire	Willingness to pay higher premium to reduce out-of-pocket expense limit	Self-administered	Exit	Head of insured family

7. Pharmacy data were obtained directly from an HMO-supplied computer tape. Dental care was not available through the HMO; HMO participants reported claims for dental care and other non-HMO services on the MER.

8. Categories of personnel: registered nurses (general-duty), medical technicians, licensed professional nurses, nursing aides, kitchen helpers, general stenographers, and maids or porters.

9. Waiting time for appointments; appointments per hour; patients seen in office, home, and hospital; weekend office hours; office staffing; cost of office visit; whether new patients accepted.

10. Physicians (M.D. or D.O.) specializing in general practice, internal medicine, and pediatrics.

11. Except in Fitchburg, Franklin County, and Georgetown County, where all dentists were surveyed.

Thereafter, National Opinion Research Center managed data collection and Glen Slaughter and Associates handled insurance administration and claim processing. American Health Profiles, Inc., conducted the medical screening examinations at enrollment (October 1974 through January 1977); CompuHealth administered those examinations at exit (October 1977 through December 1981).

FILE DEVELOPMENT

Subcontractors sent the collected data to RAND, either in hardcopy form or as cleaned data tapes. At RAND the hardcopy data were encoded for machine readability and subjected to computerized checks for logical consistency and adherence to specified response ranges; outliers were checked only for fidelity to the original response and otherwise left unchanged. Limited cross-checking was done to assess logical consistency among a respondent's answers. All identifiers permitting information to be linked to a specific respondent were replaced twice to protect respondents' privacy.¹³ The cleaned records were then arranged in the HIE version of standard computer file format, and the resulting files of *primary variables* made available for HIE analyses.

When an analyst needed information that required manipulation of primary data, *derived variables* were constructed. The analyst and a programmer determined a suitable way of obtaining the information by extracting, aggregating, or transforming primary data, and the programmer wrote the appropriate logic. With the analyst's approval, the new variable was entered on the master file.

Both primary and derived variable files are being issued to the public in a number of topical series. Appendix B provides a complete list of the files to be issued.

¹³The first conversion was known only to the subcontractor, the second only to RAND. Neither institution could make the full link from the respondent's name to his or her identifier on the analytic files.

The machine-readable tape for each file includes data in both SAS¹⁴ (Statistical Analysis System) and character formats, and an index of character-format variables.¹⁵

A codebook is also provided for each file. This volume contains the codebooks for two files in the *health status and attitude series*. Section II provides background information on the two files, including the sample of participants for whom data were recorded and how the data were compiled. Section III presents the codebooks.

¹⁴A registered trademark of the SAS Institute Inc.

¹⁵These are the contents of all files issued by RAND. Other institutions (e.g., National Archives) will distribute these files and may alter their contents.

II. HEALTH STATUS AND ATTITUDE FILES

The health status and attitude series comprises two files of data on HIE participants in two age groups at enrollment and exit. The *adult* health status and attitude file contains selected data gathered from persons aged 14 to 61. The file for *children* focuses on persons aged 0 to 13. This Note presents variables derived from raw data collected during the experiment. Those *derived variables* include most of the measures used by HIE researchers in previous analyses to determine how different levels of insurance affect patients' state of health and satisfaction with health care. A panel of those researchers selected the variables included in the health status and attitude files.

In this section, we provide background information on the derived variables presented in Sec. III. Here we describe the sample of participants for whom data were recorded as well as how the data were gathered, including the data collection instruments used and when and to whom they were administered. Readers are referred to the Introduction of this Note for more detailed information on the overall design of the experiment.

In addition, although we summarize the topics represented by the derived variables, we recommend that information from this Note be used in conjunction with the previous RAND reports on health status and attitudes toward health care, which document the formulation and analysis of each derived variable.¹ An eight-volume series detailing the development of measures for assessing the health of adult enrollees reviews the literature, examines issues involved in measuring adult health status, and presents results related to the reliability, validity, and power of the measures.² The other reports describe the distribution of the measures in the HIE sample and discuss the methods

¹Relevant publications are listed in Appendix C.

²*Conceptualization and Measurement of Health for Adults in the Health Insurance Study*, The RAND Corporation, R-1987-HEW. For a complete listing, see Appendix C.

used in constructing them. Therefore, we do not repeat that information here.

FILE SAMPLES

The two health status and attitude files together contain 8,711 records, each representing one enrollee in the Health Insurance Experiment. Every enrollee included in these two files either was assigned to an experimental insurance plan or participated as a member of the Seattle HMO control group. In addition, everyone in the adult file was 14 years of age or older at the time of *exit* and completed either the enrollment or exit medical history questionnaire (described in the next subsection, "Data Sources"), or both.³ Everyone in the child file was between 0 and 13 years of age at the time of *enrollment* or was born after the family had enrolled, and each also completed, by proxy, either the enrollment or exit questionnaire, or both. Thus, some participants appear in both the adult and child files. Table 3 shows the distribution of records by site for the two files.

Table 3
NUMBER OF RECORDS BY SITE FOR HEALTH STATUS
AND ATTITUDE FILES

Site	Records of Children	Records of Adults
Dayton	405	867
Seattle	1080	2435
Massachusetts	614	1213
South Carolina	741	1356
Total	2840	5871

NOTE: Records are totaled for the two sites in Massachusetts and in South Carolina.

³The sample of 5,871 people includes two enrollees who were 13 years of age at the time of enrollment and two enrollees who were 62 years of age at the time of enrollment.

DATA SOURCES

The data used in constructing the variables in the adult file were gathered at enrollment and exit⁴ by means of a baseline demographic and health questionnaire and a medical history questionnaire (MHQ). The variables in the child file are based on data from two MHQs designed for children in separate age groups, completed by proxy, most often a parent. The baseline questionnaire and the MHQ are items 2 and 4 on the list of data collection instruments in Table 2 above.⁵

Baseline Questionnaire

At baseline, potential enrollees (*baseline participants*) submitted to a two-stage selection process. First, in each site, an areawide probability sample of dwelling units was drawn. Their occupants were interviewed for eligibility, and those found eligible were questioned in depth about their socioeconomic characteristics and experience with health care. Second, HIE staff drew a representative sample of eligible persons to be offered enrollment and assigned each family to one of the insurance plans described in Sec. I. A sophisticated technique ensured that, across plans, families closely resembled each other in 24 health and socioeconomic characteristics.

The baseline questionnaire--completed several months before enrollment into the experiment--was designed to elicit information on a family's eligibility for the HIE as well as to measure prior health status, use of health care services, satisfaction with medical care, and

⁴Terms for leaving the experiment are carefully distinguished. Those who completed their assigned enrollment period are said to have *exited*; those who voluntarily withdrew before the end of their enrollment period are said to have *attrited*; those who became permanently ineligible or failed to fulfill their obligations during the enrollment period are said to have been involuntarily *terminated*. *Death* is a separate category.

⁵All data collected through the MHQs are being released as separate files for public use (items MH1A/B through MH9A/B listed in Appendix B). The raw variables used in constructing the derived variables in the health status and attitude files can be extracted from those files. The procedure for merging the raw and derived variables is detailed in a forthcoming user's guide (item RF3 listed in Appendix B).

insurance coverage. Questions related to eligibility (such as income, employment, the age, sex, and race of family members) were administered by an interviewer to ensure accuracy, whereas questions about health and medical care were self-administered. The baseline questionnaire was completed only by persons at least 18 years of age; only the health data are pertinent to the health status and attitude files.

Medical History Questionnaire

The medical history questionnaire was specific to three different age groups (14 years and older, 5 to 13 years, and 0 to 4 years), self-administered, and completed in the respondent's home at enrollment. An adult proxy respondent, usually the mother, completed each MHQ for children under 14.

The medical history questionnaire was administered in two parts, MHQ Form A and MHQ Form B. Form A asked for relatively subjective evaluations, such as perceptions and attitudes concerning health care and general health habits (e.g., smoking, exercise). Form B, on the other hand, focused on relatively objective health status information such as physical limitations and the presence of certain chronic or acute disorders. Most batteries of questions relating to state of health and satisfaction with health care appeared on Form A.

The MHQs (both Forms A and B) were fielded twice for nearly all participants--once at enrollment and again at exit. However, an exception that occurred in Dayton affects the variables described in this Note. In Dayton, Form B was given at enrollment to only the participants who took a medical screening examination⁶ or who enrolled after the screening examination center had closed. For Dayton participants who did not complete Form B (approximately 31 percent of

⁶A physical examination was administered to a randomly selected subsample of the population at enrollment (50 to 75 percent, varying by site) and to all members of the exit population. Both the enrollment and exit examinations produced data on general physiologic health. The medical screening examination is item 5 on the list of data collection instruments in Table 2 above. The contents and administration of the enrollment and exit medical screening examinations are the subject of a previous report: Lisa Hahn Smith et al., *The Health Insurance Study Screening Examination Procedures Manual*, The RAND Corporation, R-2101-HEW, September 1978.

the adults and 35 percent of the children in the Dayton sample), missing values were recorded for all variables based on Form B questions.

The actual month and year during which the MHQs were completed varied from site to site. The beginning of enrollment ranged from November 1974 for all Dayton participants to November 1978 for South Carolina three-year participants. Exit from the study occurred between February 1978 (Dayton three-year participants) and February 1982 (all South Carolina participants). Table 1 above summarizes that information for each site.

After its first administration in Dayton, the enrollment MHQ was revised to clarify questions and obtain more precise responses. The revised questionnaire was then administered in Dayton at exit and in all other sites at both enrollment and exit. Thus, all enrollment and exit questions at all sites other than Dayton correspond with the Dayton *exit* questions, but some differ from the Dayton *enrollment* questions. To permit comparison of the data across sites, variables based on the Dayton enrollment MHQ questions were subsequently recoded to correspond with Dayton exit variables and enrollment/exit variables from all other sites.⁷ Nevertheless, when comparing Dayton enrollment data with Dayton exit data and all nonDayton data, analysts should note differences in the wording of the questions.⁸ Appendix D reproduces both the Dayton enrollment MHQ Form A and the revised Form A administered in all other sites at enrollment and all sites (including Dayton) at exit.

MEASURING HEALTH STATUS AND ATTITUDES TOWARD HEALTH CARE

To study the effects of health insurance coverage, HIE analysts developed a comprehensive method for measuring health and monitoring changes in it over time. Health status was viewed as having four dimensions: physical, mental, social, and physiologic. The first three are addressed by the derived variables documented in this Note; the derived variables relating to physiologic health are presented in two

⁷Each instance of such recoding is noted for individual variables in the codebooks, Sec. III.

⁸Users of this codebook should note that *nonDayton* always means *all sites other than Dayton*.

related HIE files.⁹ This Note also details variables that assess individual health status based on self-ratings of general health. Two additional sets of derived variables incorporate information on health habits (smoking, consumption of alcohol, weight, height, and exercise) and attitudes toward medical and dental care.

All HIE measures of health status and attitudes toward health care were developed on the basis of extensive literature reviews, consultation with health service research experts, and the needs and capabilities of the experiment. Measures were selected to emphasize aspects of health that are commonly observed in a general population and that might change in response to altered use of health services.

Physical health is defined in terms of functional status, i.e., the ability to perform activities that are considered normal for persons in good physical health. The HIE focused on five categories of activities among adults and children: self-care (e.g., feeding, bathing), mobility (e.g., getting around indoors, outdoors, in the community), physical exertion (e.g., climbing stairs, running), role fulfillment (e.g., work outside of home, school attendance), and leisure pursuits (e.g., hobbies, sports). The measures of functional status are based on MHQ questions about functional limitations and physical capacities. Other measures of physical health for persons 14 years or older include two scales reflecting, respectively, chronic conditions and acute symptoms. The scale relating to chronic conditions derives from numerous batteries in the MHQ, each covering a specific condition. The measure of acute symptoms reflects responses to a 27-item "symptoms list," also in the MHQ.

HIE measures of *mental health* were designed to gauge several dimensions of emotional distress and well-being for persons 5 years of age or older. For adults (14 or older), the measures focus primarily on

⁹Items MD1 and MD2 listed in Appendix B: medical disorders at enrollment and exit recorded for, respectively, adults and children. The medical disorder series comprises two files of data on certain chronic diseases and problematic physical conditions among persons enrolled in the experiment. The HIE traced 17 adult disorders and four juvenile disorders. MD1 and MD2 document the derived variables that were constructed for the HIE analyses of those physical disorders among adults and children.

psychological symptoms of mood and anxiety disorders but, to a limited extent, also attempt to assess disorders involving loss of control over feelings, thoughts, and behavior. For children (5 to 13), the measures were designed to assess anxiety, depression, and positive well-being (as reported by a proxy). The batteries on general well-being in the MHQs for both adults and children form the basis for those measures.

HIE measures of *social health* incorporate information on personal interactions and social participation. For adults, the measures reflect the participant's usual activities and the extent to which others are involved. They focus on the number or frequency of several kinds of participation, interaction, and resources, covering family and home, social life, and community involvement. The measures are based on 11 questions in the social activity battery of the adult MHQ. The social health measure for children aged 5 to 13 assesses how well the child gets along with other children, family, and teachers, based on three MHQ questions. Social health was not assessed for children under 5 years.

HIE measures of *general health perceptions* were developed to provide a comprehensive rating of health status, reflecting both physical and mental health. The HIE measures do not focus on specific health problems; instead, they are based on questions asking for the participant's perceptions of his overall health status. In addition, they summarize the objective information about a participant's health together with his subjective evaluation of that information. The general health measures for adults are based on single questions about health-related pain and worry and a rating of health (excellent, good, fair, poor), in addition to 26 questions from the health perception battery in the MHQ. The seven MHQ questions on general health for children (completed by a proxy) relate to current and prior health as well as resistance to illness.

Health habits refer to categories of personal behavior that affect health status, either positively or negatively. Those measured by the HIE were chosen for their known effect on future morbidity or premature mortality. The measures, available only for adults, describe aspects of smoking, consumption of alcohol, weight, height, and exercise, all derived from responses to MHQ questions. Moreover, data on many other

types of behavior that could be considered health habits were collected by the HIE; those data are available as primary variables in the medical history questionnaire series of files (listed in Appendix B).

Several dimensions of *satisfaction with medical care* were considered by the HIE: efficacy, finances, physical environment, technical quality of care, art of care, accessibility/convenience, availability, continuity, and overall satisfaction. The measures of patient satisfaction with medical care, available for adults only, are derived from questions on both the baseline questionnaire and the medical history questionnaire. This is the only use of baseline data in the health status and attitude files.

The HIE measures of *satisfaction with dental care* reflect attitudes toward dental services and providers. The HIE focused on patient satisfaction with the following aspects of dental care: cost, technical and interpersonal skills, accessibility/convenience, availability, continuity, pain management, and overall satisfaction. Information on dental care satisfaction, available only for adults, was elicited through 19 questions on the exit medical history questionnaire. These questions were not asked as part of the enrollment questionnaire.

III. OVERVIEW OF THE CODEBOOKS

The codebooks presented here describe all variables in the adult and child health status and attitude files.¹ The information provided allows the user to trace the construction of each variable from the questions asked of participants. As noted in Sec. II, these variables are based exclusively on data elicited through Forms A and B of the medical history questionnaires (separate versions for persons 14 years and older, 5 to 13 years, and 0 to 4 years) and the health portion of the baseline questionnaire (administered only to adults 18 years and older).

The variables are listed and described in the two codebooks in the following order: physical health, mental health, social health, general health, health habits, and patient satisfaction with medical and dental care. Each variable is briefly described and information on the distribution of values is summarized. Then follow a listing of the input variables from which it was derived and a step-by-step description of its construction.

CODEBOOK ORGANIZATION

The *variable descriptions* are arranged in boxes as shown in Fig. 1 for the variable EGFP. Each description comprises the following elements:

- Variable name--eight or fewer characters used to uniquely identify the variable in the SAS-format file.
- File identifier--the abbreviation shown in the upper right corner of each variable description box. ADULT HSA and CHILD HSA are the acronyms used to designate the adult and child health status and attitude files, respectively.

¹A technical description of the two files, including the location and length of all variables, is provided in Appendixes E and F.

VARIABLE SITE		ADULT HSA HEADER			
Site					
CODES					
1 - Dayton, Ohio					
2 - Seattle, Washington					
3 - Fitchburg, Massachusetts					
4 - Franklin County, Massachusetts					
5 - Charleston, South Carolina					
6 - Georgetown County, South Carolina					
SITE identifies the participant's place of residence at enrollment.					

SITE				
VALUE	FREQ	CUM FREQ	%	CUM %
1	867	867	14.77	14.77
2	2435	3302	41.48	56.24
3	556	3858	9.47	65.71
4	657	4515	11.19	76.90
5	584	5099	9.95	86.85
6	772	5871	11.15	100.00

Fig. 1 -- Example of Codebook Format

- Variable label--a capsule description.
- Response codes and their definitions.
- Summary explanation of the variable.

Just under the box are grouped explanatory notes, if any.

To the right of each variable description box is summary information on the *distribution of values*. For variables with a small number of discrete values, a table of response frequencies is given. The first column lists all response codes appearing for the variable. The second and third columns show, respectively, the absolute and cumulative response frequencies for each code. The fourth and fifth columns show the corresponding absolute and cumulative percentages. For variables with a large number of discrete values and for continuous variables--general health index (GHINDX), for example--statistics such as the mean, median, and standard deviation are given instead of frequencies. The total number of observations is 5,871 in the adult file and 2,840 in the child file.

Immediately below the variable description and distribution information is a listing of the *input variables* used to construct the particular derived variable. They may be either primary variables or other derived variables. The *primary* variables are specified by numbers

prefixed DEI, for *data element indicator*. Every DEI number represents a question on a data collection instrument--in this case, the MHQ or baseline questionnaire. The DEI numbers are listed in the right margins of the MHQ forms reproduced in Appendix D; each number appears next to the question that it represents.

Following each DEI number in the codebook is the question in either exact or abbreviated form. The exact wording and response codes are reproduced for questions from MHQ Form B. However, only abbreviated versions of the MHQ Form A questions are used in the codebooks, since verbatim copies of the entire Dayton enrollment and revised versions of MHQ Form A are provided in Appendix D. To distinguish the Form B questions in the codebooks, therefore, each such question is preceded by the identifier "MHQB."

Next, the information labeled *construction* describes how HIE programmers built the derived variable. The original computer code was written in SPSS² or SAS,³ but it has been simplified or adapted for more straightforward presentation.

HEADER VARIABLES

Each record in each file begins with five identifying variables: FILENAME, PERSON, SITE, INSTAT and ENRTERM. FILENAME is a six-character code unique to each file. Different from the file identifier in the upper right corner of the variable description boxes, FILENAME is used for administrative purposes by the HIE. It is DHAHAA for all records in the adult health status and attitude file and DHCHAA for all records in the child file. PERSON uniquely identifies each participant, permitting data to be linked for an individual across files. SITE denotes in which of the six study areas the participant lived at enrollment. INSTAT identifies the insurance status of the participant, distinguishing those who were at any time insured under the HIE (INSTAT=1) from members of the Seattle HMO control group (INSTAT=2). Members of the control group

²For an explanation of SPSS rules, see *SPSS: Statistical Package for the Social Sciences*, 2d ed., McGraw-Hill Book Company, New York, 1975.

³For an explanation of SAS rules, see *SAS User's Guide: Basics*, SAS Institute Inc., Cary, North Carolina, 1982.

were not insured under the HIE but were used for comparison with the HIE-insured HMO experimental group. Both SITE and INSTAT can be used to select analytic subsamples. Finally, ENRTERM indicates whether an individual was enrolled in the experiment for a three- or five-year term.

CONSTRUCTION OF HSA VARIABLES

Numerous events and circumstances dictated how and when a given derived variable was constructed, whether it was constructed for a particular enrollee or group of enrollees, and what sort of scale was used in its construction. Here we summarize those events and circumstances.

Assignment of Values

In the calculation of the value of variables, each statement in the construction section of the codebooks takes priority over the preceding statements. Every variable was initially set to "missing"; it was converted to a nonmissing value only after the conditions specified by the computer code had been met.

Baseline Variation

The sole use of baseline data in the health status and attitude files was in the construction of the medical satisfaction variables. The measures of patient satisfaction with medical care were derived for all adult HIE participants, primarily from information elicited by the baseline questionnaire.

For participants in the South Carolina three-year group, however, the medical satisfaction variables were based on enrollment data, because the study design required group members to wait so much longer after the initial baseline contact before they were actually enrolled into the experiment. More than two years elapsed between baseline and enrollment for the South Carolina three-year participants, compared with less than a year for all other participants. Many of those South Carolina baseline participants dropped out in the intervening period. "Baseline" data on their replacements did not exactly duplicate the original baseline data; moreover, those data were collected much later.

For all of these reasons, therefore, the baseline data on the South Carolina three-year participants were not used. The dual data source (baseline questionnaire and MHQ Form A) is noted for individual medical satisfaction variables in the codebooks.

Enrollment and Exit Variations

Most of the HSA derived variables were constructed twice--once from enrollment data and once from exit data. Each exit variable follows its enrollment counterpart in the codebook and is denoted by an X at the end of its name--e.g., AROLE and AROLEX for enrollment and exit, respectively.⁴ However, as noted below the relevant variable description boxes, some variables were constructed for enrollment or exit only.

SOCONTOP and GHIOOP--in the social health and general health portions of the adult file, respectively--are exceptional in two respects. First, they were constructed *solely* from *enrollment* data. Second, instead of being constructed directly from primary or derived variables, SOCONTOP and GHIOOP were *estimated* from data *related* to that used to construct two similar variables, SOCONT (social contacts at enrollment) and GHINDX (general health index at enrollment). In other words, SOCONTOP and GHIOOP are the predicted counterparts of SOCONT and GHINDX.

The problem was as follows: SOCONT and GHINDX were based on questions that appeared in the revised MHQ but *not* in the Dayton enrollment MHQ. Therefore, those measures could not be constructed from the data elicited at enrollment from Dayton participants. To remedy the situation, estimated counterparts of SOCONT and GHINDX were constructed from *related* Dayton enrollment data; the resulting estimated measures were called SOCONTOP and GHIOOP. Further, SOCONTOP was constructed for Dayton participants only; however, to ensure uniformity and consistency, GHIOOP was constructed for *both* Dayton and nonDayton participants. SOCONT and GHINDX are, of course, available for nonDayton enrollment data and exit data for all sites.

⁴In the adult file, three names of *enrollment* variables end in X (GHINDX, ANX, GENEX); their exit counterparts thus end in XX (GHINDXX, ANXX, GENEXX). In the child file, one enrollment variable ends in X (GINDX); the corresponding exit variable thus ends in XX (GINDXX).

The adult file also lacks baseline and enrollment counterparts for the entire set of variables related to satisfaction with dental care, because the dental satisfaction questions were not asked at either baseline or enrollment. Therefore, the dental satisfaction variables described in this codebook were based on exit data alone.⁵

Dayton and NonDayton Variations

As noted in Sec. II, many questions asked in Dayton at enrollment differ from those asked in Dayton at exit and in all other sites at both enrollment and exit. Some variations were slight, some major. The two health status and attitude codebooks account for those differences by presenting separate constructions for variables derived from dissimilar questions. Those separate derivations are flagged in the construction section by the parenthetical headings "Dayton" and "NonDayton."

Input variables used to construct a variable only for Dayton participants at enrollment are identified in the input variable listing, as in the following example:

DEI3943 (Dayton only -- Have you been under, or felt under, any strain, stress, or pressure during the past month)

Those used in constructing measures only for the nonDayton participants at enrollment are identified as in the following example:

DEI4483 (NonDayton only -- Have you been moody or brooded about things during the past month)

⁵For every site but Dayton, the enrollment and exit MHQs are identical in all respects except one: the dental satisfaction questions appear in the exit MHQ only.

Scales

Two types of scales--Likert and Guttman--were employed in the construction of nearly all health status and attitude variables. Most were constructed as Likert summated rating scales--i.e., the algebraic sum of unstandardized responses to questions on the data collection instruments. An abbreviated notation was used in the codebooks to describe the construction of the Likert scales. Here we explain that notation, presenting the construction of the variable CURNT (current health) as an example:

Reversals: DEI8944, DEI8947, DEI8961, DEI8965
TEMP = DEI8936 + DEI8939 + DEI8944 + DEI8947 + DEI8952 + DEI8957 +
DEI8961 + DEI8965 + DEI8967
CURNT = ((TEMP - MIN)/(MAX - MIN)) * 100
where MIN = 9
MAX = 45

The first step in constructing this variable was to reverse the response codes of negatively worded questions, so that values would be consistent among all responses. For some questions, a higher response code meant better current health; for others, it meant worse health. Before the codes could be summed, therefore, the direction had to be made consistent with the meaning of the overall scale. For CURNT, a higher value meant better current health. The codes of the negatively worded questions were thus reversed to reflect that difference in meaning. In the case of DEI8944, for example, the participant responded to the statement "I am somewhat ill" by marking one of the following:

1. Definitely false
2. Mostly false
3. Don't know
4. Mostly true
5. Definitely true

In the reversal process, the 5 became a 1, the 4 became a 2, the 3 remained a 3, the 2 became a 4, and the 1 became a 5. For CURNT, four input variables were reversed: DEI8944, DEI8947, DEI8961, and DEI8965.

The second step of the construction was to sum all variables included in the scale. That created a raw score represented by a temporary variable, in this case called TEMP.⁶

The third and final step of the construction was to convert the raw score (TEMP) to a 0-to-100 scale using the equation that, in the example, yields CURNT. The resulting scale value was the value ultimately assigned to the given variable. The scale value was calculated as follows: First, the minimum possible raw score (MIN) was derived by summing the lowest possible values for the input variables used in constructing the scale. In this example, there were nine input variables, for each of which the lowest possible value was 1, so $MIN = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 9$. Second, the maximum possible raw score (MAX) was derived by summing the highest possible values. In this example, the highest possible value for each of the nine input variables was 5, so $MAX = 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45$. The actual raw score in this example (TEMP) was therefore any score from 9 through 45. Finally, the value of the variable (CURNT) for a given participant was calculated using the values of MIN, MAX, and TEMP in the equation shown. Of course, for any participant with the minimum or maximum possible score, the equation would yield a value of 0 or 100, respectively.

A few health status and attitude variables were constructed as Guttman scales. A Guttman scale is derived from questions that have a cumulative property justifying the assumption of an ordinal scale.⁷ The questions must be unidimensional (e.g., "Can you see a friend . . ."), ordered from least to most extreme (e.g., ". . . nearby," ". . . across a room"), and answerable by a simple yes or no.

⁶Throughout the codebooks, temporary variables used in constructing the derived variables are denoted either by the variable name TEMP or by some other variable name prefixed TEMP.

⁷H. M. Blalock, *Social Statistics*, 2d ed., McGraw-Hill Book Company, New York, 1972, pp. 23-24.

When at least one input variable in any scale was missing, the derived variable was assigned a value on the basis of available information. For the Likert scales, the missing input variables were replaced by the mean of the nonmissing variables and then the scale was calculated in the usual manner.⁸ For the Guttman scales, the pattern of responses was evaluated against the pattern of the perfect scale (as defined by the design of the questions) and scale values were assigned case by case.⁹ These methods are described in the codebooks under the construction section of each variable to which they apply.

Many of the derived variables are interrelated, with some variables being subscales of others. Users should therefore check the input variables and construction carefully before assuming that a given derived variable is independent of another measure.

REASONS FOR MISSING DATA

To understand why a given participant was assigned a missing value for a particular variable, the user often must carefully study the way in which the variable was constructed. There are several major reasons for missing data in the *adult* file:

- Persons who were 13 years of age or younger at enrollment but 14 years or older at exit were systematically assigned missing values for all variables based on enrollment data, because they did not fill out the *enrollment* questionnaire for adults.
- Persons who enrolled in, but did not complete, the experiment were assigned missing values for all variables based on data collected at *exit*.

⁸If all input variables were missing but one, every missing variable was assigned the value of the single nonmissing variable.

⁹For details on the coding of imperfect scales, see Anita L. Stewart, John E. Ware, Jr., and Robert H. Brook, *Construction and Scoring of Aggregate Functional Status Measures, Vol. II: Appendixes*, The RAND Corporation, N-1706-1-HHS, August 1982.

- As noted in Sec. II, the questionnaire fielded in Dayton at enrollment differed substantially from the revised questionnaire used in Dayton at exit and in all other sites at both enrollment and exit. Many questions either were not asked or were asked in a different manner in Dayton at enrollment. Consequently, some derived variables could not be constructed from enrollment data for Dayton participants, because the data necessary for construction had not been gathered. Thus, Dayton participants were assigned missing values for those *enrollment* variables.
- Persons who did not complete an entire questionnaire--either because the HIE study design excluded them from that questionnaire or because for whatever reason they failed to return it--were assigned missing values for all variables derived from that questionnaire.
- Persons who for whatever reason did not complete individual questions were assigned missing values for all variables based on those questions.¹⁰

All except the first reason for assigning missing values in the adult file apply equally to variables in the *child* file. Three additional circumstances caused the assignment of missing values in the child file:

- Persons who were 13 years of age or younger at enrollment but 14 years or older at exit were assigned missing values for all variables based on exit data, because they did not fill out the *exit* questionnaire for children.
- Persons who were born during the experiment were assigned missing values for all variables based on enrollment data, because they did not fill out the *enrollment* questionnaire for children.

¹⁰For some variables, values were assigned based on partial data that were available. Those exceptions are noted for individual variables in the codebooks.

- All South Carolina three-year participants who were 13 years or younger at enrollment were assigned missing values for all variables based on enrollment data, because enrollment data for that group were incomplete.

The reasons for missing values are indicated in each variable description box under the heading CODES. Since data for a particular variable may be missing for a variety of reasons, the user must discern which applies to an individual participant.

In the lists of response codes in the codebooks presented here, missing values are denoted by a dot ("."). In both the SAS and character-format versions of the two health status and attitude files, missing values for *numeric* variables are also denoted by a dot ("."); *alphanumeric* variables, however, are represented by a blank.

SUGGESTED DATA APPLICATIONS

These codebooks present information fundamental to use of the health status and attitude files. A review of the input variables for any given derived variable together with the methods used in its construction should give the user a thorough understanding of that variable. The frequency tables or univariate statistics accompanying each description offer the user a preliminary look at the data. The enrollment and exit versions of the same variable enable the user to investigate changes over a three- or five-year period.

However, most analyses will require multiple HIE data files and codebooks. Appendix B lists all HIE data files and codebooks that have been or will be made available to the public by The RAND Corporation. In addition, a forthcoming user's guide (item RF3 listed in Appendix B) will offer guidance on the analytic possibilities and limitations of HIE data; choosing analytic subsamples; and linking data across series, files, years, sample groups, and sites for particular analytic purposes. It will also provide an annotated bibliography of HIE publications bearing on data use and a complete list of data series, files, and codebooks. To obtain full benefit from the rich and unique source of information offered by the HIE, the researcher should carefully review

the listing in Appendix B and the user's guide before deciding which files to use for a given application.

For example, the two HSA files contain only derived variables, created for use by HIE analysts. All primary variables based on the medical history questionnaires will be released as separate files and described in separate publications. The primary variables might be used to cross-check information or to create other derived variables of the user's choosing.

However, many derived-variable files will be most valuable when used together. For example, two sets of files that could well be used in conjunction with the HSA files are the master sample series and the medical disorder series. The full sample demographic file in the master sample series is the only source of information on the age, sex, and race of family members, family income, and so on, for the *full* HIE sample (all participants and anyone ever considered for participation). The eligibility-family changes file, also in the master sample series, presents information on eligibility for the *enrolled* sample and changes in the composition of enrolled families. It also contains family membership identifiers, enabling the researcher to conduct analyses at the family level. Those two widely applicable files have been published by RAND.¹¹

The two files most closely related to the HSA files are the adult and child medical disorder files. They present data on certain chronic diseases and problematic physical conditions among persons enrolled in the experiment.¹²

¹¹S. M. Polich and C. d'Arc Taylor, *Master Sample Series, Vol. 1: Codebook for Eligibility-Family Changes File*, The RAND Corporation, N-2264/1-HHS, May 1986; and S. M. Polich et al., *Master Sample Series, Vol. 2: Codebook for Full Sample Demographic File*, The RAND Corporation, N-2264/2-HHS, May 1986.

¹²The adult file presents information on 17 conditions: acne, anemia, angina pectoris, chronic obstructive airway disease, congestive heart failure, diabetes mellitus, hay fever, hearing loss, hypercholesterolemia, hypertension, joint disorders, kidney disease and urinary tract infection, peptic ulcer disease, sleeping pill and tranquilizer use, surgical conditions, thyroid disease, and vision impairments. Four conditions are included in the file for children: allergic conditions, anemia, middle ear disease and hearing loss, and vision impairments.

Variables from the files in the master sample series or medical disorder series could be linked to individual records in the health status and attitude files using the variable PERSON. Any analyses requiring adjustment for basic demographic characteristics will necessitate linking data from the full sample demographic file of the master sample series, whereas adjusting for specific medical conditions will require data from the medical disorder files.

IV. CODEBOOK FOR ADULT HEALTH STATUS
AND ATTITUDE FILE

FILENAME	VALUE	FREQ	CUM FREQ	%	CUM %
	DIAHAA	5871	5871	100.00	100.00

ADULT HSA HEADER

Name of File

FILENAME is a unique 6-character code used for administrative purposes in the HIE to identify a data file. It is DIAHAA for all records in the adult health status and attitude file.

ADULT HSA HEADER

VARIABLE PERSON

Person Identifier

PERSON is an 8-character alphanumeric code that uniquely identifies the participant in the HIE to whom the following data refer. The 2nd character designates the site in which the participant resided at enrollment: A=Dayton, B=Seattle, F=Fitchburg, F=Franklin County, G=Charleston, H=Georgetown County.

VARIABLE	SITE	ADULT HSA HEADER
Site		
CODES		
	1 - Dayton, Ohio	
	2 - Seattle, Washington	
	3 - Fitchburg, Massachusetts	
	4 - Franklin County, Massachusetts	
	5 - Charleston, South Carolina	
	6 - Georgetown County, South Carolina	
SITE identifies the participant's place of residence at enrollment.		

SITE VALUE	FREQ	CUM FREQ	%	CUM %
1	867	867	14.77	14.77
2	2435	3302	41.48	56.24
3	556	3858	9.47	65.71
4	657	4515	11.19	76.90
5	584	5099	9.95	86.85
6	772	5871	13.15	100.00

VARIABLE	INSTAT	ADULT HSA HEADER
Insurance Status		
CODES		
	1 - Ever HIE-insured	
	2 - Ever HMO-insured	
INSTAT describes the participant's insurance status in the HIE.		

INSTAT VALUE	FREQ	CUM FREQ	%	CUM %
1	5269	5269	89.75	89.75
2	602	5871	10.25	100.00

VARIABLE	ENRTERM	ADULT HSA HEADER
Enrollment Term		
CODES		
3 - 3 years		
5 - 5 years		
ENRTERM distinguishes the participants who accepted 3-year and 5-year terms of enrollment.		

ENRTERM	VALUE	FREQ	CUM FREQ	%	CUM %
3		3419	3419	58.24	58.24
5		2452	5871	41.77	100.00

VARIABLE	AROLE	ADULT HSA PHYSICAL HEALTH
Role Activity Limitations at Enrollment		
CODES		
. - Missing includes those under 14 years, those with no MIQA, and item nonresponse		
AROLE measures limitations (either chronic or acute) in role activities to which the participant had been subject for some period preceding enrollment. A higher score indicates more numerous limitations.		

AROLE	VALUE	FREQ	CUM FREQ	%	CUM %
	0	742	742	88.05	88.05
	33.3	4516	4771	4.97	93.02
	50	255	4817	0.90	93.92
	66.7	46	4966	2.91	96.82
	100	149	5129	3.18	100.00
		163			

INPUT VARIABLES

DEI3665 (Does your health keep you from working at a job, doing work around the house, or going to school)
DEI3666 (How long has your health kept you from working at a job, doing work around the house, or going to school)
DEI3667 (Dayton only -- Are you unable to do certain kinds of jobs, housework, or schoolwork because of your health)
DEI3668 (Dayton only -- How long have you been unable to do certain kinds of jobs, housework, or schoolwork because of your health)
(cont.)

```

VARIABLE AROLE (cont.)

INPUT VARIABLES (cont.)

DE13669 (Dayton only -- Does your health limit the amount of work,
housework, or schoolwork you can do)
DE13670 (Dayton only -- How long has your health limited the amount
of work, housework or schoolwork you can do)
DE15372 (NonDayton only -- Does your health limit you in any way
from doing anything you want to do)
DE15373 (NonDayton only -- How long has your health limited you in
doing things you want to do)
DE18804 (NonDayton only -- Are you unable to do certain kinds or
amounts of work, housework, or schoolwork because of your
health)
DE18805 (NonDayton only -- How long have you been unable to do
certain kinds or amounts of work, housework, or schoolwork
because of your health)

CONSTRUCTION
{Dayton}

STEP 1:
Several temporary variables were created:

NOWORK = 0 IF DE13665 = 2
        = 1 IF DE13665 = 1 AND DE13666 = 1 OR 2
        = 2 IF DE13665 = 1 AND DE13666 = 3

WORKLIM = 0 IF DE13667 = 2 AND DE13669 = 2
        = 1 IF DE13667 = 1 OR DE13669 = 1
        = 2 IF (DE13667 = 1 AND DE13668 = 3) OR
              (DE13669 = 1 AND DE13670 = 3)

STEP 2:
A scale value was assigned:

TEMPSCAL = 2 IF NOWORK > 0 AND WORKLIMS > 0
          = 1 IF NOWORK = 0 AND WORKLIMS > 0
          = 0 IF NOWORK = 0 AND WORKLIMS = 0

```

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-IRIS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 3:

The final scores were transformed to a 0-100 scale:

AROLE = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100

WHERE MIN=0
MAX=2

(NonDayton)

STEP 1:

Several temporary variables were created:

TEMPA = 0 IF DE18804 = 2 AND DE18805 = 1 OR 2
= 1 IF DE18804 = 1 AND DE18805 = 3
= 2 IF DE18804 = 1 AND DE18805 = 3

TEMPB = 0 IF DE13665 = 2 AND DE13666 = 1 OR 2
= 1 IF DE13665 = 1 AND DE13666 = 3
= 2 IF DE13665 = 1 AND DE13666 = 3

TEMPC = 0 IF DE15372 = 2 AND DE15373 = 1 OR 2
= 1 IF DE15372 = 1 AND DE15373 = 3
= 2 IF DE15372 = 1 AND DE15373 = 3

STEP 2:

A scale value was assigned:

TEMPSCAL = 3 IF TEMPB >= 1 AND TEMPA >= 1 AND
TEMPC >= 1

= 2 IF TEMPB = 0 AND TEMPA >= 1 AND
TEMPC >= 1

= 1 IF TEMPB = 0 AND TEMPA = 0 AND
TEMPC >= 1

= 0 IF TEMPB = 0 AND TEMPA = 0 AND
TEMPC = 0

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al.: Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-HHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 3:

The final scores were transformed to a 0-100 scale:

$$AROLE = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100$$

WHERE MIN=0
MAX=3

The result was rounded to the nearest tenth.

VARIABLE	AROLEX	ADULT ISA PHYSICAL HEALTH
Role Activity Limitations at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
AROLEX measures limitations (either chronic or acute) in role activities to which the participant had been subject for some period preceding exit. A higher score indicates more numerous limitations.		

(cont.)

AROLEX VALUE	FREQ	CUM FREQ	%	CUM %
0	785	4457	87.63	87.63
33.3	4457	4736	5.49	93.12
66.7	279	4902	3.26	96.38
100	166	5086	3.62	100.00
	184			

VARIABLE AROLEX (cont.)

INPUT VARIABLES

DE13665 (Does your health keep you from working at a job, doing work around the house, or going to school)
 DE13666 (How long has your health kept you from working at a job, doing work around the house, or going to school)
 DE15372 (Does your health limit you in any way from doing anything you want to do)
 DE15373 (How long has your health limited you in doing things you want to do)
 DE18804 (Are you unable to do certain kinds or amounts of work, housework, or schoolwork because of your health)
 DE18805 (How long have you been unable to do certain kinds or amounts of work, housework, or schoolwork because of your health)

CONSTRUCTION

STEP 1:

Several temporary variables were created:

TEMPA = 0 IF DE18804 = 2 AND DE18805 = 1 OR 2
 = 1 IF DE18804 = 1 AND DE18805 = 1 OR 2
 = 2 IF DE18804 = 1 AND DE18805 = 3

 TEMPB = 0 IF DE13665 = 2 AND DE13666 = 1 OR 2
 = 1 IF DE13665 = 1 AND DE13666 = 1 OR 2
 = 2 IF DE13665 = 1 AND DE13666 = 3

 TEMPC = 0 IF DE15372 = 2 AND DE15373 = 1 OR 2
 = 1 IF DE15372 = 1 AND DE15373 = 1 OR 2
 = 2 IF DE15372 = 1 AND DE15373 = 3

STEP 2:

A scale value was assigned:

TEMPSCAL = 3 IF TEMPB >= 1 AND TEMPA >= 1 AND
 TEMPC >= 1
 = 2 IF TEMPB = 0 AND TEMPA >= 1 AND
 TEMPC >= 1
 = 1 IF TEMPB = 0 AND TEMPA = 0 AND
 TEMPC >= 1
 = 0 IF TEMPB = 0 AND TEMPA = 0 AND
 TEMPC = 0

(cont.)

VARIABLE AROLEX (cont.)

CONSTRUCTION (cont.)

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-IHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 3:

The final scores were transformed to a 0-100 scale:

$$\text{AROLEX} = ((\text{TEMPSCAL} - \text{MIN}) / (\text{MAX} - \text{MIN})) * 100$$

WHERE MIN=0
MAX=3

The result was rounded to the nearest tenth.

APERS VALUE	FREQ	CUM FREQ	%	CUM %
0	739	4338	84.53	84.53
20	4338	4812	9.24	93.77
25	38	4850	0.74	94.51
40	142	4992	2.77	97.27
50	11	5003	0.21	97.49
60	68	5071	1.33	98.81
75	14	5085	0.27	99.08
80	36	5121	0.70	99.79
100	11	5132	0.21	100.00

VARIABLE	APERS	ADULT HSA PHYSICAL HEALTH
Personal Limitations at Enrollment		
CODES		
0 - Missing includes those under 14 years, those with no MIQA, and item nonresponse		
APERS measures limitations (either chronic or acute) in self-care, mobility, and physical activities to which the participant had been subject for some period preceding enrollment. A higher score indicates more numerous limitations. APERS is a Guttman scale; each scale level designates a particular pattern of responses to the items.		

INPUT VARIABLES

DE13673 (Do you need help eating, dressing, bathing, or using the toilet)
 DE13674 (How long have you needed help eating, dressing, bathing, or using the toilet)
 DE13676 (Dayton only -- How long have you had trouble walking)
 DE13677 (Dayton only -- Does your health prevent you from driving or using public transportation)
 DE13678 (Dayton only -- How long has your health prevented you from driving or using public transportation)
 DE13679 (Dayton only -- Do you have trouble walking as far and as fast as usual for persons your age)
 DE13680 (Dayton only -- How long have you had trouble walking as far and as fast as persons your age)
 DE13686 (Dayton only -- How long have you needed help to go outside because of health)
 DE13687 (Are you in bed or a chair for most or all of the day because of health)
 DE13688 (How long have you been in bed or a chair for most or all of the day because of health)
 DE13690 (Dayton only -- How long have you had trouble climbing a flight of stairs)
 DE13692 (Dayton only -- How long have you been in a hospital or other medical facility because of health)
 DE15426 (NonDayton only -- Do you have to stay indoors most or all of the day because of health)
 (cont.)

```

VARIABLE APERS (cont.)

INPUT VARIABLES (cont.)

DE15427 (NonDayton only -- How long have you stayed indoors most or
all of the day because of health)
DE15428 (NonDayton only -- Does your health limit the kind of
vigorous activities you can do)
DE15429 (NonDayton only -- How long has your health limited the
kind of vigorous activities you can do)
DE15430 (NonDayton only -- Do you have trouble walking several
blocks or climbing a few flights of stairs)
DE15431 (NonDayton only -- How long have you had trouble walking
several blocks or climbing a few flights of stairs)
DE15432 (NonDayton only -- Do you have trouble bending, lifting,
or stooping because of health)
DE15433 (NonDayton only -- How long have you had trouble bending,
lifting, or stooping because of health)
DE15434 (NonDayton only -- Do you have trouble walking one block
or climbing one flight of stairs)
DE15435 (NonDayton only -- How long have you had trouble walking
one block or climbing one flight of stairs)
DE18800 (NonDayton only -- Are you able to drive a car)
DE18801 (NonDayton only -- Because of health how long have you been
unable to drive)
DE18802 (NonDayton only -- Do you need assistance when you travel
in the community)
DE18803 (NonDayton only -- How long have you needed assistance in
traveling)

CONSTRUCTION
{Dayton}

STEP 1:
four temporary variables were created:

      SELF = 0 IF DE13673 = 2
            = 1 IF DE13674 = 1 OR 2
            = 2 IF DE13674 = 3

      MOB = 0
           = 1 IF (DE13678 = 1 OR 2) OR (DE13686 = 1 OR 2) OR
               (DE13692 = 1 OR 2) OR (DE13688 = 1 OR 2)
           = 2 IF DE13678 = 3 OR DE13686 = 3 OR DE13692 = 3 OR
               DE13688 = 3
           = 3 IF MOB = 0 AND DE13677 = 1
           = 1 IF MOB = 0 AND DE13687 = 1 AND
               DE13688 = 1
           (cont.)

```

VARIABLE APERS (cont.)

CONSTRUCTION (cont.)

```

WALK = 0
      = 1 IF DE13676 = 1 OR 2
      = 2 IF DE13676 = 3

WALKFAST = 0
          = 1 IF (DE13680 = 1 OR 2) OR (DE13690 = 1 OR 2)
          = 2 IF DE13680 = 3 OR DE13690 = 3
          = . IF WALKFAST = 0 AND DE13679 = .

```

STEP 2:

A scale value was assigned:

```

TEMP = 4 IF SELF >= 1 AND MOB >= 1 AND WALK >= 1 AND
        WALKFAST >= 1
      = 3 IF SELF = 0 AND MOB >= 1 AND WALK >= 1 AND
        WALKFAST >= 1
      = 2 IF SELF = 0 AND MOB = 0 AND WALK >= 1 AND
        WALKFAST >= 1
      = 1 IF SELF = 0 AND MOB = 0 AND WALK = 0 AND
        WALKFAST >= 1
      = 0 IF SELF = 0 AND MOB = 0 AND WALK = 0 AND
        WALKFAST = 0

```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-HHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 3:

The final scores were transformed to a 0-100 scale:

```

APERS = ((TEMP - MIN)/(MAX - MIN)) * 100

```

```

WHERE MIN=0
      MAX=4

```

(cont.)

VARIABLE APERS (cont.)

CONSTRUCTION (cont.)

(NonDayton)

STEP 1:

Several temporary variables were created:

TEMPA = 0 IF DE18800 = 2 OR 3 AND DE18801 = 1
= 1 IF DE18800 = 1 AND DE18801 = 1 OR 2
= 2 IF DE18800 = 1 AND DE18801 = 3

TEMPB = 0 IF DE18802 = 2 AND DE18803 = 1 OR 2
= 1 IF DE18802 = 1 AND DE18803 = 1 OR 2
= 2 IF DE18802 = 1 AND DE18803 = 3

TEMPC = 0 IF DE15426 = 2 AND DE15427 = 1 OR 2
= 1 IF DE15426 = 1 AND DE15427 = 1 OR 2
= 2 IF DE15426 = 1 AND DE15427 = 3

TEMPD = 0 IF DE13687 = 2 AND DE13688 = 1 OR 2
= 1 IF DE13687 = 1 AND DE13688 = 1 OR 2
= 2 IF DE13687 = 1 AND DE13688 = 3

TEMPE = 0 IF DE15428 = 2 AND DE15429 = 1 OR 2
= 1 IF DE15428 = 1 AND DE15429 = 1 OR 2
= 2 IF DE15428 = 1 AND DE15429 = 3

TEMPF = 0 IF DE15430 = 2 AND DE15431 = 1 OR 2
= 1 IF DE15430 = 1 AND DE15431 = 1 OR 2
= 2 IF DE15430 = 1 AND DE15431 = 3

TEMPG = 0 IF DE15432 = 2 AND DE15433 = 1 OR 2
= 1 IF DE15432 = 1 AND DE15433 = 1 OR 2
= 2 IF DE15432 = 1 AND DE15433 = 3

TEMPH = 0 IF DE15434 = 2 AND DE15435 = 1 OR 2
= 1 IF DE15434 = 1 AND DE15435 = 1 OR 2
= 2 IF DE15434 = 1 AND DE15435 = 3

TEMPI = 0 IF DE13673 = 2 AND DE13674 = 1 OR 2
= 1 IF DE13673 = 1 AND DE13674 = 1 OR 2
= 2 IF DE13673 = 1 AND DE13674 = 3

(cont.)

VARIABLE APERS (cont.)

CONSTRUCTION (cont.)

STEP 2:

Two temporary variables were created to summarize the above information:

```
TEMPJ = 0  IF TEMPA = 0 AND TEMPB = 0 AND TEMPC = 0
           AND TEMPD = 0
           = 1  IF TEMPA = 1 OR TEMPB = 1 OR TEMPC = 1
           OR TEMPD = 1
           = 2  IF TEMPA = 2 OR TEMPB = 2 OR TEMPC = 2
           OR TEMPD = 2
```

```
TEMPK = 0  IF TEMPE = 0 AND TEMPG = 0
           = 1  IF TEMPE = 1 OR TEMPG = 1
           = 2  IF TEMPE = 2 OR TEMPG = 2
```

STEP 3:

A scale value was assigned:

```
TEMPSCAL = 5  IF TEMPI >= 1 AND TEMPJ >= 1 AND TEMPH >= 1
               AND TEMPF >= 1 AND TEMPK >= 1
               = 4  IF TEMPI = 0 AND TEMPJ >= 1 AND TEMPH >= 1
               AND TEMPF >= 1 AND TEMPK >= 1
               = 3  IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH >= 1
               AND TEMPF >= 1 AND TEMPK >= 1
               = 2  IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
               AND TEMPF >= 1 AND TEMPK >= 1
               = 1  IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
               AND TEMPF = 0 AND TEMPK >= 1
               = 0  IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
               AND TEMPF = 0 AND TEMPK = 0
```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-HHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(cont.)

VARIABLE APERS (cont.)

CONSTRUCTION (cont.)

STEP 4:

The final scores were transformed to a 0-100 scale:

$APERS = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100$

WHERE MIN=0
MAX=5

APER SX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	784	4232	83.19	83.19
	20	4232	4759	10.36	93.55
	40	171	4930	3.36	96.91
	60	84	5014	1.65	98.57
	80	63	5077	1.24	99.80
	100	10	5087	0.20	100.00

VARIABLE APERSX ADULT USA
PHYSICAL HEALTH

Personal Limitations at Exit

CODES

- Missing includes those not completing the experiment,
those with no MIQA, and item nonresponse

APER SX measures limitations (either chronic or acute) in self-care, mobility, and physical activities to which the participant had been subject for some period preceding exit. A higher score indicates more numerous limitations. APERSX is a Cutman scale; each scale level designates a particular pattern of responses to the items.

INPUT VARIABLES

DE13673 (Do you need help eating, dressing, bathing, or using the toilet)
DE13674 (How long have you needed help eating, dressing, bathing, or using the toilet)
DE13687 (Are you in bed or a chair for most or all of the day because of health)
DE13688 (How long have you been in bed or a chair for most or all of the day because of health)
DE15426 (Do you have to stay indoors most or all of the day because of health)
DE15427 (How long have you stayed indoors most or all of the day because of health)
(cont.)

VARIABLE APERSX (cont.)

INPUT VARIABLES (cont.)

DE15428 (Does your health limit the kind of vigorous activities you can do)
 DE15429 (How long has your health limited the kind of vigorous activities you can do)
 DE15430 (Do you have trouble walking several blocks or climbing a few flights of stairs)
 DE15431 (How long have you had trouble walking several blocks or climbing a few flights of stairs)
 DE15432 (Do you have trouble bending, lifting, or stooping because of health)
 DE15433 (How long have you had trouble bending, lifting, or stooping because of health)
 DE15434 (Do you have trouble walking one block or climbing one flight of stairs)
 DE15435 (How long have you had trouble walking one block or climbing one flight of stairs)
 DE18800 (Are you able to drive a car)
 DE18801 (Because of health how long have you been unable to drive)
 DE18802 (Do you need assistance when you travel in the community)
 DE18803 (How long have you needed assistance in traveling)

CONSTRUCTION

STEP 1:

Several temporary variables were created:

TEMPA = 0 IF DE18800 = 2 OR 3 AND DE18801 = 1
 = 1 IF DE18800 = 1 AND DE18801 = 1 OR 2
 = 2 IF DE18800 = 1 AND DE18801 = 3

 TEMPB = 0 IF DE18802 = 2 AND DE18803 = 1
 = 1 IF DE18802 = 1 AND DE18803 = 1 OR 2
 = 2 IF DE18802 = 1 AND DE18803 = 3

 TEMPC = 0 IF DE15426 = 2 AND DE15427 = 1
 = 1 IF DE15426 = 1 AND DE15427 = 1 OR 2
 = 2 IF DE15426 = 1 AND DE15427 = 3

 TEMPD = 0 IF DE13687 = 2 AND DE13688 = 1
 = 1 IF DE13687 = 1 AND DE13688 = 1 OR 2
 = 2 IF DE13687 = 1 AND DE13688 = 3

(cont.)

VARIABLE APERSX (cont.)

CONSTRUCTION (cont.)

```

TEMPE = 0 IF DE15428 = 2 AND DE15429 = 1 OR 2
        = 1 IF DE15428 = 1 AND DE15429 = 3
        = 2 IF DE15428 = 1 AND DE15429 = 3

TEMPF = 0 IF DE15430 = 2 AND DE15431 = 1 OR 2
        = 1 IF DE15430 = 1 AND DE15431 = 3
        = 2 IF DE15430 = 1 AND DE15431 = 3

TEMPG = 0 IF DE15432 = 2 AND DE15433 = 1 OR 2
        = 1 IF DE15432 = 1 AND DE15433 = 3
        = 2 IF DE15432 = 1 AND DE15433 = 3

TEMPH = 0 IF DE15434 = 2 AND DE15435 = 1 OR 2
        = 1 IF DE15434 = 1 AND DE15435 = 3
        = 2 IF DE15434 = 1 AND DE15435 = 3

TEMPI = 0 IF DE13673 = 2 AND DE13674 = 1 OR 2
        = 1 IF DE13673 = 1 AND DE13674 = 3
        = 2 IF DE13673 = 1 AND DE13674 = 3

```

STEP 2:

Two temporary variables were created to summarize the above information:

```

TEMPJ = 0 IF TEMPA = 0 AND TEMPB = 0 AND TEMPC = 0
          AND TEMPD = 0
        = 1 IF TEMPA = 1 OR TEMPB = 1 OR TEMPC = 1
          OR TEMPD = 1
        = 2 IF TEMPA = 2 OR TEMPB = 2 OR TEMPC = 2
          OR TEMPD = 2

```

```

TEMPK = 0 IF TEMPE = 0 AND TEMPG = 0
        = 1 IF TEMPE = 1 OR TEMPG = 1
        = 2 IF TEMPE = 2 OR TEMPG = 2

```

(cont.)

VARIABLE APERSX (cont.)

CONSTRUCTION (cont.)

STEP 3:

A scale value was assigned:

```

TEMPSCAL = 5 IF TEMPI >= 1 AND TEMPJ >= 1 AND TEMPH >= 1
              AND TEMPE >= 1 AND TEMPK >= 1
              = 4 IF TEMPI = 0 AND TEMPJ >= 1 AND TEMPH >= 1
              AND TEMPE >= 1 AND TEMPK >= 1
              = 3 IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH >= 1
              AND TEMPE >= 1 AND TEMPK >= 1
              = 2 IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
              AND TEMPE >= 1 AND TEMPK >= 1
              = 1 IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
              AND TEMPE = 0 AND TEMPK >= 1
              = 0 IF TEMPI = 0 AND TEMPJ = 0 AND TEMPH = 0
              AND TEMPE = 0 AND TEMPK = 0

```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-MHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 4:

The final scores were transformed to a 0-100 scale:

APERSX = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100

WHERE MIN=0
MAX=5

VARIABLE	CAP	ADULT HSA PHYSICAL HEALTH
Physical Capacities at Enrollment		
CODES		
- Missing includes those under 14 years, those with no MIQ8, and item nonresponse		
CAP measures the capacity to perform self-care and physical activities at enrollment. A limitation is counted if a participant either cannot do the activity, or can do it but only slowly. CAP is a Guttman scale; each scale level designates a particular pattern of responses to the items.		

INPUT VARIABLES

DE14445 {MIQ8 -- Can you dress yourself? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14447 {MIQ8 -- Can you walk to a table for meals? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14449 {MIQ8 -- Can you walk around inside the house? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14451 {MIQ8 -- Can you walk a block or more? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14453 {MIQ8 -- Can you do light work around the house like dusting or washing dishes? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14455 {MIQ8 -- Can you walk uphill or up stairs? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14457 {MIQ8 -- If you wanted to, could you run a short distance? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14459 {MIQ8 -- Could you do moderate work at home like moving a chair or table, or pushing a vacuum cleaner? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14461 {MIQ8 -- If you wanted to, could you participate in active sports such as swimming, tennis, basketball, volleyball, or rowing a boat? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

DE14463 {MIQ8 -- Can you do hard activities at home, heavy work like scrubbing floors, or lifting or moving heavy furniture? 1.Yes 2.Yes, but only slowly 3.No, I can't do this}

(cont.)

CAP	VALUF	FREQ	CUM FREQ	%	CUM %
	0	987	15	0.31	0.31
	16.7	15	22	0.14	0.45
	33.3	12	34	0.25	0.70
	50	86	120	1.76	2.46
	66.7	170	290	3.48	5.94
	83.3	459	749	9.40	15.34
	100	4135	4884	84.66	100.00

```

VARIABLE CAP (cont.)

INPUT VARIABLES (cont.)

DE14762 (NonDayton MIQB only -- If you wanted to, could you
participate in active sports such as swimming, tennis,
basketball, volleyball, or rowing a boat? 1.Yes 2.Yes,
but only slowly 3.No, I can't do this)

DE19071 (NonDayton MIQB only -- Can you eat without help? 1.Yes
2.Yes, but only slowly 3.No, I can't do this)

DE19073 (NonDayton MIQB only -- Can you use the bathroom without
help? 1.Yes 2.Yes, but only slowly 3.No, I can't do
this)

CONSTRUCTION
{Dayton}

STEP 1:
Participants who answered "no" to any of the questions, thereby
indicating an inability to perform an activity, were asked why
they could not perform the activity. If they responded that they
could not do the activity because of pregnancy or because they
"don't know how" or another reason unrelated to health, their
answer to the question was recoded to "1," indicating that they
could perform the activity.

STEP 2:
Several temporary variables were created:

SELF CARE = 0 IF DE14445 = 1
            = 1 IF DE14445 > 1

WALKING = 0 IF DE14447 = 1 AND DE14449 = 1
          = 1 IF DE14447 > 1 OR DE14449 > 1

LITEACT = 0 IF DE14453 = 1
          = 1 IF DE14453 > 1

MODWALK = 0 IF DE14451 = 1 AND DE14459 = 1
          = 1 IF DE14451 > 1 OR DE14459 > 1

RUNUP = 0 IF DE14455 = 1 AND DE14457 = 1
        = 1 IF DE14455 > 1 OR DE14457 > 1

VIGACT = 0 IF DE14461 = 1 AND DE14463 = 1
         = 1 IF DE14461 > 1 OR DE14463 > 1
    
```

(cont.)

VARIABLE CAP (cont.)

CONSTRUCTION (cont.)

STEP 3:

A scale value was assigned:

```

TEMPSCAL = 0 IF SELF CARE = 1 AND WALKINS = 1 AND
LITEACT = 1 AND MODWALK = 1 AND
RUNUP = 1 AND VIGACT = 1

= 1 IF SELF CARE = 0 AND WALKINS = 1 AND
LITEACT = 1 AND MODWALK = 1 AND
RUNUP = 1 AND VIGACT = 1

= 2 IF SELF CARE = 0 AND WALKINS = 0 AND
LITEACT = 1 AND MODWALK = 1 AND
RUNUP = 1 AND VIGACT = 1

= 3 IF SELF CARE = 0 AND WALKINS = 0 AND
LITEACT = 0 AND MODWALK = 1 AND
RUNUP = 1 AND VIGACT = 1

= 4 IF SELF CARE = 0 AND WALKINS = 0 AND
LITEACT = 0 AND MODWALK = 0 AND
RUNUP = 1 AND VIGACT = 1

= 5 IF SELF CARE = 0 AND WALKINS = 0 AND
LITEACT = 0 AND MODWALK = 0 AND
RUNUP = 0 AND VIGACT = 1

= 6 IF SELF CARE = 0 AND WALKINS = 0 AND
LITEACT = 0 AND MODWALK = 0 AND
RUNUP = 0 AND VIGACT = 0

```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-IHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 4:

The final scores were transformed to a 0-100 scale:

```

CAP = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100
      WHERE MIN=0
            MAX=6

```

The result was rounded to the nearest tenth.

(cont.)

```
VARIABLE CAP (cont.)  
CONSTRUCTION (cont.)  
(NonDayton)  
STEP 1:  
Participants who answered "no" to any of the questions, thereby  
indicating an inability to perform an activity, were asked why  
they could not perform the activity. If they responded that they  
could not do the activity because of pregnancy or because they  
"don't know how" or another reason unrelated to health, their  
answer to the question was recoded to "1," indicating that they  
could perform the activity.  
STEP 2:  
People who skipped out of the battery (because they were able  
to do vigorous activities as asked in DE14463 and DE14461 in  
the physical capacities battery) were assigned a score of "1"  
indicating they could perform the activity, on the ten items  
within the battery.  
IF DE14463 = 1 AND DE14461 = 1 THEN DO  
  DE14459 = 1  
  DE14453 = 1  
  DE14457 = 1  
  DE14455 = 1  
  DE14451 = 1  
  DE14449 = 1  
  DE14447 = 1  
  DE14445 = 1  
  DE19071 = 1  
  DE19073 = 1  
END
```

(cont.)


```

VARIABLE CAP (cont.)

CONSTRUCTION (cont.)

STEP 3:
(All except South Carolina 3-year)

DE14461 and DE14762 were combined to account for persons who
answered those identical questions with discrepant responses.
(NOTE: The two questions were identical because of the skip
pattern; each person should have answered only one of the two.)

AVG225 = (DE14461 + DE14762) / 2
        = DE14762 IF DE14461 = . AND DE14762 NE .
        = DE14461 IF DE14762 = . AND DE14461 NE .

NEW225 = 1 IF AVG225 > 1
        = 0 IF AVG225 = 1

(South Carolina 3-year:)

NEW225 = 1 IF DE14461 = 1
        = 0 IF DE14461 = 2 OR 3

STEP 4:

The remaining variables were recoded so that 0 equals able to do
each activity and 1 equals either unable to do it or can do it
only slowly:

TEMPA = 0 IF DE14463 = 1
        = 1 IF DE14463 = 2 OR 3

TEMPB = 0 IF DE14459 = 1
        = 1 IF DE14459 = 2 OR 3

TEMPC = 0 IF DE14453 = 1
        = 1 IF DE14453 = 2 OR 3

TEMPE = 0 IF DE14457 = 1
        = 1 IF DE14457 = 2 OR 3

TEMPE = 0 IF DE14455 = 1
        = 1 IF DE14455 = 2 OR 3

TEMPF = 0 IF DE14451 = 1
        = 1 IF DE14451 = 2 OR 3

TEMPC = 0 IF DE14449 = 1
        = 1 IF DE14449 = 2 OR 3
    
```

(cont.)

VARIABLE CAP (cont.)

CONSTRUCTION (cont.)

```

TEMPH = 0 IF DE19047 = 1
        = 1 IF DE19047 = 2 OR 3

TEMP1 = 0 IF DE19045 = 1
        = 1 IF DE19045 = 2 OR 3

TEMPJ = 0 IF DE19071 = 1
        = 1 IF DE19071 = 2 OR 3

TEMPK = 0 IF DE19073 = 1
        = 1 IF DE19073 = 2 OR 3

```

STEP 5:

Several temporary variables were created:

```

SELF CARE = TEMPI + TEMPJ + TEMPK

BASKWALK = TEMPG + TEMPH

VIGACT = TEMPA + NEW225

VAR2930 = TEMPD + TEMPE

VAR2731 = TEMPB + TEMPF

```

STEP 6:

A scale value was assigned:

```

TEMPSCAL = 0 IF SELF CARE >= 1 AND BASKWALK >= 1
              AND TEMPG >= 1 AND VAR2731 >= 1
              AND VAR2930 >= 1 AND VIGACT >= 1
              = 1 IF SELF CARE = 0 AND BASKWALK >= 1
              AND TEMPG >= 1 AND VAR2731 >= 1
              AND VAR2930 >= 1 AND VIGACT >= 1
              = 2 IF SELF CARE = 0 AND BASKWALK = 0
              AND TEMPG >= 1 AND VAR2731 >= 1
              AND VAR2930 >= 1 AND VIGACT >= 1
              = 3 IF SELF CARE = 0 AND BASKWALK = 0
              AND TEMPG = 0 AND VAR2731 >= 1
              AND VAR2930 >= 1 AND VIGACT >= 1
              (cont.)

```

VARIABLE CAP (cont.)

CONSTRUCTION (cont.)

```
- 4 IF SELF CARE = 0 AND BASWALK = 0
AND TEMPC = 0 AND VAR2731 = 0
AND VAR2930 >= 1 AND VIGACT >= 1

= 5 IF SELF CARE = 0 AND BASWALK = 0
AND TEMPC = 0 AND VAR2731 = 0
AND VAR2930 = 0 AND VIGACT >= 1

= 6 IF SELF CARE = 0 AND BASWALK = 0
AND TEMPC = 0 AND VAR2731 = 0
AND VAR2930 = 0 AND VIGACT = 0
```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, The RAND Corporation, N-1706-1-IHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 7:

The final scores were transformed to a 0-100 scale:

```
CAP = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100
WHERE MIN=0
      MAX=6
```

The result was rounded to the nearest tenth.

CAPX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	783	22	0.43	0.43
	16.7	12	34	0.24	0.67
	33.3	23	57	0.45	1.12
	50	152	209	2.99	4.11
	66.7	266	475	5.23	9.34
	83.3	443	918	8.71	18.04
	100	4170	5088	81.96	100.00

VARIABLE	CAPX	ADULT USA PHYSICAL HEALTH
Physical Capacities at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MIQIB, and item nonresponse		
CAPX measures the capacity to perform self-care and physical activities at exit. A limitation is counted if a person either cannot do the activity, or can do it but only slowly. A higher score indicates greater capacity. CAPX is a Guttman scale; each scale level designates a particular pattern of responses to the items.		

INPUT VARIABLES

DE14445 (MIQIB -- Can you dress yourself? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14447 (MIQIB -- Can you walk to a table for meals? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14449 (MIQIB -- Can you walk around inside the house? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14451 (MIQIB -- Can you walk a block or more? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14453 (MIQIB -- Can you do light work around the house like dusting or washing dishes? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14455 (MIQIB -- Can you walk uphill or up stairs? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14457 (MIQIB -- If you wanted to, could you run a short distance? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14459 (MIQIB -- Could you do moderate work at home like moving a chair or table, or pushing a vacuum cleaner? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14461 (MIQIB -- If you wanted to, could you participate in active sports such as swimming, tennis, basketball, volleyball, or rowing a boat? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

DE14463 (MIQIB -- Can you do hard activities at home, heavy work like scrubbing floors, or lifting or moving heavy furniture? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

(cont.)

VARIABLE CAPX (cont.)

INPUT VARIABLES (cont.)

DE14762 (Dayton MIQB only -- If you wanted to, could you participate in active sports such as swimming, tennis, basketball, volleyball, or rowing a boat? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)
 DE19071 (MIQB -- Can you eat without help? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)
 DE19073 (MIQB -- Can you use the bathroom without help? 1.Yes 2.Yes, but only slowly 3.No, I can't do this)

CONSTRUCTION

STEP 1:

Participants who answered "no" to any of the questions, thereby indicating an inability to perform an activity, were asked why they could not perform the activity. If they responded that they could not do the activity because of pregnancy or because they "don't know how" or another reason unrelated to health, their answer to the question was recoded to "1," indicating that they could perform the activity.

STEP 2:

People who skipped out of the battery (because they were able to do vigorous activities as asked in DE14463 and DE14461 in the physical capacities battery) were assigned a score of "1," indicating they could perform the activity, on the ten items within the battery.

IF DE14463 = 1 AND DE14461 = 1 THEN DO

DE14459 = 1
 DE14453 = 1
 DE14457 = 1
 DE14455 = 1
 DE14451 = 1
 DE14449 = 1
 DE14447 = 1
 DE14445 = 1
 DE19071 = 1
 DE19073 = 1

END

(cont.)

```

VARIABLE CAPX (cont.)

CONSTRUCTION (cont.)

STEP 3:
( Dayton )

DE14461 and DE14762 were combined to account for persons who
answered those identical questions with discrepant responses.
( NOTE: The two questions were identical because of the skip
pattern; each person should have answered only one of the two. )

AVG225 = { DE14461 + DE14762 } / 2
        = DE14762 IF DE14461 = . AND DE14762 NE .
        = DE14461 IF DE14762 = . AND DE14461 NE .

NEW225 = 1 IF AVG225 > 1
        = 0 IF AVG225 = 1
( NonDayton )

NEW225 = 1 IF DE14461 = 1
        = 0 IF DE14461 = 2 OR 3

STEP 4:

The remaining variables were recoded so that 0 equals able to do
each activity and 1 equals either unable to do it or can do it
only slowly:

TEMPA = 0 IF DE14463 = 1
        = 1 IF DE14463 = 2 OR 3

TEMPB = 0 IF DE14459 = 1
        = 1 IF DE14459 = 2 OR 3

TEMPC = 0 IF DE14453 = 1
        = 1 IF DE14453 = 2 OR 3

TEMPD = 0 IF DE14457 = 1
        = 1 IF DE14457 = 2 OR 3

TEMPE = 0 IF DE14455 = 1
        = 1 IF DE14455 = 2 OR 3

TEMPF = 0 IF DE14451 = 1
        = 1 IF DE14451 = 2 OR 3
( cont. )

```

VARIABLE CAPX (cont.)

CONSTRUCTION (cont.)

```
TEMPG = 0 IF DE19049 = 1
        = 1 IF DE19049 = 2 OR 3

TEMPH = 0 IF DE19047 = 1
        = 1 IF DE19047 = 2 OR 3

TEMPJ = 0 IF DE19045 = 1
        = 1 IF DE19045 = 2 OR 3

TEMPK = 0 IF DE19071 = 1
        = 1 IF DE19071 = 2 OR 3

TEMPL = 0 IF DE19073 = 1
        = 1 IF DE19073 = 2 OR 3
```

STEP 5:

Several temporary variables were created:

```
SELF CARE = TEMPI + TEMPJ + TEMPK
BASWALK = TEMPG + TEMPH
VIGACT = TEMPA + NEW225
VAR2930 = TEMPD + TEMPE
VAR2731 = TEMPB + TEMPF
```

STEP 6:

A scale value was assigned:

```
TEMPSCAL = 0 IF SELF CARE >= 1 AND BASWALK >= 1
            AND TEMPG >= 1 AND VAR2731 >= 1
            AND VAR2930 >= 1 AND VIGACT >= 1
            = 1 IF SELF CARE = 0 AND BASWALK >= 1
            AND TEMPG >= 1 AND VAR2731 >= 1
            AND VAR2930 >= 1 AND VIGACT >= 1
            = 2 IF SELF CARE = 0 AND BASWALK = 0
            AND TEMPG >= 1 AND VAR2731 >= 1
            AND VAR2930 >= 1 AND VIGACT >= 1
            (cont.)
```

VARIABLE CAPX (cont.)

CONSTRUCTION (cont.)

```

= 3 IF SELFCARE = 0 AND BASHALK = 0
    AND TEMPC = 0 AND VAR2731 >= 1
    AND VAR2930 >= 1 AND VIGACT >= 1

- 4 IF SELFCARE = 0 AND BASHALK = 0
    AND TEMPC = 0 AND VAR2731 = 0
    AND VAR2930 >= 1 AND VIGACT >= 1

= 5 IF SELFCARE = 0 AND BASHALK = 0
    AND TEMPC = 0 AND VAR2731 = 0
    AND VAR2930 = 0 AND VIGACT >= 1

= 6 IF SELFCARE = 0 AND BASHALK = 0
    AND TEMPC = 0 AND VAR2731 = 0
    AND VAR2930 = 0 AND VIGACT = 0
  
```

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values according to the rules outlined in Stewart et al., Construction and Scoring of Aggregate Functional Status Measures, Vol. II, the RAND Corporation, N-1706-1-HHS, August 1982. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

STEP 7:

The final scores were transformed to a 0-100 scale:

$$CAPX = ((TEMPSCAL - MIN)/(MAX - MIN)) * 100$$

WHERE MIN=0
MAX=6

The result was rounded to the nearest tenth.

PFI	VALUE	FRFQ	CUM FREQ	%	CUM %
	0	728	76	1.48	1.48
	1	127	203	2.47	3.95
	2	257	460	5.00	8.94
	3	192	652	3.73	12.68
	4	400	1052	7.78	20.46
	5	4091	5143	79.55	100.00

VARIABLE	PFI	ADULT HSA PHYSICAL HEALTH
Index of Personal Functioning at Enrollment		
CODES		
0 - Missing includes those under 14 years, those with no MIQA, and item nonresponse		
PFI measures the participant's overall ability to perform self-care, mobility, and physical activities at enrollment. This index combines information from two other derived variables, APERS and CAP. A higher score indicates better functioning.		

INPUT VARIABLES

APERS Personal limitations at enrollment (see index for page number in this codebook)
CAP Physical capacities at enrollment (see index for page number in this codebook)

CONSTRUCTION

(Dayton)

NOTE: A score of 3 is not possible for Dayton participants.

```

PFI = . IF CAP = . AND APERS = .
      = 5 { IF CAP = 100 AND APERS = 0 } OR
          { IF CAP = . AND APERS = 0 } OR
          { IF APERS = . AND CAP = 100 }
      = 4 { IF 70 < CAP < 90 AND APERS = 0 } OR
          { IF APERS = . AND 70 < CAP < 90 }
      = 2 { IF CAP = 100 AND APERS = 25 } OR
          { IF 70 < CAP < 90 AND APERS = 25 } OR
          { IF 60 < CAP < 70 AND APERS = 0 } OR
          { IF 60 < CAP < 70 AND APERS = 25 } OR
          { IF CAP = . AND APERS = 25 } OR
          { IF APERS = . AND 60 < CAP < 70 }
  
```

(cont.)

VARIABLE PFI (cont.)

CONSTRUCTION (cont.)

```

= 1 (IF CAP = 100 AND APERS = 50) OR
    (IF 70 < CAP < 90 AND APERS = 50) OR
    (IF 60 < CAP < 70 AND APERS = 50) OR
    (IF 40 < CAP < 60 AND APERS = 0) OR
    (IF 40 < CAP < 60 AND APERS = 25) OR
    (IF 40 < CAP < 60 AND APERS = 50) OR
    (IF CAP = . AND APERS = 50) OR
    (IF APERS = . AND 40 < CAP < 60)

= 0 (IF CAP = 100 AND APERS = 75) OR
    (IF CAP = 100 AND APERS = 100) OR
    (IF 70 < CAP < 90 AND APERS = 75) OR
    (IF 70 < CAP < 90 AND APERS = 100) OR
    (IF 60 < CAP < 70 AND APERS = 75) OR
    (IF 60 < CAP < 70 AND APERS = 100) OR
    (IF 40 < CAP < 60 AND APERS = 75) OR
    (IF 40 < CAP < 60 AND APERS = 100) OR
    (IF 0 < CAP < 40) OR
    (IF CAP = . AND APERS = 75) OR
    (IF CAP = . AND APERS = 100)

```

(NonDayton)

```

PFI = . IF CAP = . AND APERS = .

= 5 (IF CAP = 100 AND APERS = 0) OR
    (IF CAP = . AND APERS = 0) OR
    (IF APERS = . AND CAP = 100)

= 4 (IF CAP = 100 AND APERS = 20) OR
    (IF 70 < CAP < 90 AND APERS = 0)

= 3 (IF 70 < CAP < 90 AND APERS = 20) OR
    (IF CAP = . AND APERS = 20) OR
    (IF APERS = . AND 70 < CAP < 90)

= 2 (IF CAP = 100 AND APERS = 40) OR
    (IF 70 < CAP < 90 AND APERS = 40) OR
    (IF 60 < CAP < 70 AND APERS = 0) OR
    (IF 60 < CAP < 70 AND APERS = 20) OR
    (IF 60 < CAP < 70 AND APERS = 40) OR
    (IF CAP = . AND APERS = 40) OR
    (IF APERS = . AND 60 < CAP < 70)

```

(cont.)

VARIABLE PFI (cont.)

CONSTRUCTION (cont.)

```

= 1 (IF CAP = 100 AND APERS = 60) OR
      (IF 70 < CAP < 90 AND APERS = 60) OR
      (IF 60 < CAP < 70 AND APERS = 60) OR
      (IF 40 < CAP < 60 AND APERS = 0) OR
      (IF 40 < CAP < 60 AND APERS = 20) OR
      (IF 40 < CAP < 60 AND APERS = 40) OR
      (IF 40 < CAP < 60 AND APERS = 60) OR
      (IF CAP = . AND APERS = 60) OR
      (IF APERS = . AND 40 < CAP < 60)

= 0 (IF CAP = 100 AND APERS = 80) OR
      (IF CAP = 100 AND APERS = 100) OR
      (IF 70 < CAP < 90 AND APERS = 80) OR
      (IF 70 < CAP < 90 AND APERS = 100) OR
      (IF 60 < CAP < 70 AND APERS = 80) OR
      (IF 60 < CAP < 70 AND APERS = 100) OR
      (IF 40 < CAP < 60 AND APERS = 80) OR
      (IF 40 < CAP < 60 AND APERS = 100) OR
      (IF 0 < CAP < 40) OR
      (IF CAP = . AND APERS = 80) OR
      (IF CAP = . AND APERS = 100)
  
```

PFI X	VALUE	FREQ	CUM FREQ	%	CUM %
0	761	102	102	2.00	2.00
1	176	278	278	3.44	5.44
2	304	582	582	5.95	11.39
3	209	791	791	4.09	15.48
4	360	1151	1151	7.05	22.52
5	3959	5110	5110	77.48	100.00

VARIABLE PFI X ADULT HSA
PHYSICAL HEALTH

Index of Personal Functioning at Exit

CODES

. - Missing includes those not completing the experiment,
those with no MHQA, and item nonresponse

PFI X measures the participant's overall ability to perform self-care, mobility, and physical activities at exit. This index combines information from two other derived variables, APERSX and CAPX. A higher score indicates better functioning.

INPUT VARIABLES

APERSX Personal limitations at exit (see index for page number in this codebook)
CAPX Physical capacities at exit (see index for page number in this codebook)
(cont.)

VARIABLE PFX (cont.)

CONSTRUCTION

```
PFX = . IF CAPX = . AND APERSX = .  
  
= 5 {IF CAPX = 100 AND APERSX = 0} OR  
    {IF CAPX = . AND APERSX = 0} OR  
    {IF APERSX = . AND CAPX = 100}  
  
= 4 {IF CAPX = 100 AND APERSX = 20} OR  
    {IF 70 < CAPX < 90 AND APERSX = 0}  
  
= 3 {IF 70 < CAPX < 90 AND APERSX = 20} OR  
    {IF CAPX = . AND APERSX = 20} OR  
    {IF APERSX = . AND 70 < CAPX < 90}  
  
= 2 {IF CAPX = 100 AND APERSX = 40} OR  
    {IF 70 < CAPX < 90 AND APERSX = 40} OR  
    {IF 60 < CAPX < 70 AND APERSX = 0} OR  
    {IF 60 < CAPX < 70 AND APERSX = 20} OR  
    {IF 60 < CAPX < 70 AND APERSX = 40} OR  
    {IF CAPX = . AND APERSX = 40} OR  
    {IF APERSX = . AND 60 < CAPX < 70}  
  
= 1 {IF CAPX = 100 AND APERSX = 60} OR  
    {IF 70 < CAPX < 90 AND APERSX = 60} OR  
    {IF 60 < CAPX < 70 AND APERSX = 60} OR  
    {IF 40 < CAPX < 60 AND APERSX = 0} OR  
    {IF 40 < CAPX < 60 AND APERSX = 20} OR  
    {IF 40 < CAPX < 60 AND APERSX = 40} OR  
    {IF 40 < CAPX < 60 AND APERSX = 60} OR  
    {IF CAPX = . AND APERSX = 60} OR  
    {IF APERSX = . AND 40 < CAPX < 60}  
  
= 0 {IF CAPX = 100 AND APERSX = 80} OR  
    {IF CAPX = 100 AND APERSX = 100} OR  
    {IF 70 < CAPX < 90 AND APERSX = 80} OR  
    {IF 70 < CAPX < 90 AND APERSX = 100} OR  
    {IF 60 < CAPX < 70 AND APERSX = 80} OR  
    {IF 60 < CAPX < 70 AND APERSX = 100} OR  
    {IF 40 < CAPX < 60 AND APERSX = 80} OR  
    {IF 40 < CAPX < 60 AND APERSX = 100} OR  
    {IF 0 < CAPX < 40} OR  
    {IF CAPX = . AND APERSX = 80} OR  
    {IF CAPX = . AND APERSX = 100}
```

VARIABLE	SYMPTM	ADULT IISA PHYSICAL HEALTH
Number of Acute Symptoms at Enrollment		
CODFS		
- Missing includes those under 14 years, all Dayton participants, those with no MIQA, and item nonresponse		
SYMPTM measures the number of acute symptoms of physical illness that the participant had experienced during the 30 days preceding enrollment. Higher values indicate a greater number of symptoms.		

INPUT VARIABLES

DEI8909 (NonDayton only -- During the past 30 days, did you have a cough, without fever, which lasted at least three weeks)

DEI8910 (NonDayton only -- During the past 30 days, did you have a sore throat or cold, with fever, lasting more than three days)

DEI8911 (NonDayton only -- During the past 30 days, did you have a weight loss of more than ten pounds "unless you were dieting")

DEI8912 (NonDayton only -- During the past 30 days, did you have an upset stomach, for less than twenty-four hours)

DEI8913 (NonDayton only -- During the past 30 days, did you have stiffness, pain or swelling joints, lasting more than two weeks)

DEI8914 (NonDayton only -- During the past 30 days, did you have backaches or sciatica)

DEI8915 (NonDayton only -- During the past 30 days, did you have trouble falling asleep at night)

DEI8916 (NonDayton only -- During the past 30 days, did you get up exhausted in the mornings, even with the usual amount of sleep)

(cont.)

SYMPTM VALUE	FREQ	CUM FREQ	%	CUM %
0	1523			
4	834	834	19.18	19.18
8	811	1645	18.65	37.83
12	744	2389	17.11	54.95
16	552	2941	12.70	67.64
20	479	3420	11.02	78.66
24	308	3728	7.08	85.74
28	198	3926	4.55	90.29
32	151	4077	3.47	93.77
36	86	4163	1.98	95.75
40	73	4236	1.68	97.42
44	51	4287	1.17	98.60
48	23	4308	0.48	99.08
52	18	4326	0.41	99.49
56	4	4330	0.09	99.59
60	8	4338	0.18	99.77
64	3	4341	0.07	99.84
72	1	4345	0.02	99.93
80	1	4346	0.02	99.95
84	1	4347	0.02	99.98
92	1	4348	0.02	100.00

VARIABLE SYMPTM (cont.)

INPUT VARIABLES (cont.)

DE18917 (NonDayton only -- During the past 30 days, did you have a skin rash or breaking out on any part of the body)
 DE18918 (NonDayton only -- During the past 30 days, did you have shortness of breath with light exercise or light work)
 DE18919 (NonDayton only -- During the past 30 days, did you have chest pain when exercising)
 DE18920 (NonDayton only -- During the past 30 days, did you have your nose stopped up, or sneezing or allergies for two weeks or more)
 DE18921 (NonDayton only -- During the past 30 days, did you have swollen ankles when you woke up)
 DE18922 (NonDayton only -- During the past 30 days, did you have headaches almost every day)
 DE18923 (NonDayton only -- During the past 30 days, did you have a cough without fever, which lasted for less than a week)
 DE18924 (NonDayton only -- During the past 30 days, did you have loss of consciousness, fainting, or passing out)
 DE18925 (NonDayton only -- During the past 30 days, did you have acid indigestion or heartburn after many meals)
 DE18926 (NonDayton only -- During the past 30 days, did you have a sprained ankle, but you could still walk)
 DE18927 (NonDayton only -- During the past 30 days, did you have a toothache)
 DE18928 (NonDayton only -- During the past 30 days, did you have a stomach "flu" or virus with vomiting or diarrhea)
 DE18929 (NonDayton only -- During the past 30 days, did you have bleeding not caused by accident or injury)
 DE18930 (NonDayton only -- During the past 30 days, did you have an eye infection)
 DE18933 (NonDayton only -- Men only: During the past 30 days, did you have difficulty passing urine, or prostate trouble)
 DE18934 (NonDayton only -- Women only: During the past 30 days, did you have difficulty controlling urine, or bladder or kidney problems)
 DE18935 (NonDayton only -- Women only: During the past 30 days, did you have irregular periods, or bleeding between periods)

(cont.)

VARIABLE SYMPTM (cont.)

CONSTRUCTION

STEP 1:

Several temporary variables were created:

REC8909 = 0 IF DE18909 = 1 OR ;
 = 1 IF DE18909 = 2 OR 3

REC8910 = 0 IF DE18910 = 1 OR ;
 = 1 IF DE18910 = 2 OR 3

REC8911 = 0 IF DE18911 = 1 OR ;
 = 1 IF DE18911 = 2 OR 3

REC8912 = 0 IF DE18912 = 1 OR ;
 = 1 IF DE18912 = 2 OR 3

REC8913 = 0 IF DE18913 = 1 OR ;
 = 1 IF DE18913 = 2 OR 3

REC8914 = 0 IF DE18914 = 1 OR ;
 = 1 IF DE18914 = 2 OR 3

REC8915 = 0 IF DE18915 = 1 OR ;
 = 1 IF DE18915 = 2 OR 3

REC8916 = 0 IF DE18916 = 1 OR ;
 = 1 IF DE18916 = 2 OR 3

REC8917 = 0 IF DE18917 = 1 OR ;
 = 1 IF DE18917 = 2 OR 3

REC8918 = 0 IF DE18918 = 1 OR ;
 = 1 IF DE18918 = 2 OR 3

REC8919 = 0 IF DE18919 = 1 OR ;
 = 1 IF DE18919 = 2 OR 3

REC8920 = 0 IF DE18920 = 1 OR ;
 = 1 IF DE18920 = 2 OR 3

REC8921 = 0 IF DE18921 = 1 OR ;
 = 1 IF DE18921 = 2 OR 3

REC8922 = 0 IF DE18922 = 1 OR ;
 = 1 IF DE18922 = 2 OR 3

REC8923 = 0 IF DE18923 = 1 OR ;
 = 1 IF DE18923 = 2 OR 3

(cont.)

VARIABLE SYMPTM (cont.)

CONSTRUCTION (cont.)

REC8924 = 0 IF DE18924 = 1 OR ;
 = 1 IF DE18924 = 2 OR 3
REC8925 = 0 IF DE18925 = 1 OR ;
 = 1 IF DE18925 = 2 OR 3
REC8926 = 0 IF DE18926 = 1 OR ;
 = 1 IF DE18926 = 2 OR 3
REC8927 = 0 IF DE18927 = 1 OR ;
 = 1 IF DE18927 = 2 OR 3
REC8928 = 0 IF DE18928 = 1 OR ;
 = 1 IF DE18928 = 2 OR 3
REC8929 = 0 IF DE18929 = 1 OR ;
 = 1 IF DE18929 = 2 OR 3
REC8930 = 0 IF DE18930 = 1 OR ;
 = 1 IF DE18930 = 2 OR 3
REC8933 = 0 IF DE18933 = 1 OR ;
 = 1 IF DE18933 = 2 OR 3
REC8934 = 0 IF DE18934 = 1 OR ;
 = 1 IF DE18934 = 2 OR 3
REC8935 = 0 IF DE18935 = 1 OR ;
 = 1 IF DE18935 = 2 OR 3

STEP 2:

The temporary variables were summed:

TEMP = REC8909 + REC8910 + REC8911 + REC8912 + REC8913 +
 REC8914 + REC8915 + REC8916 + REC8917 + REC8918 +
 REC8919 + REC8920 + REC8921 + REC8922 + REC8923 +
 REC8924 + REC8925 + REC8926 + REC8927 + REC8928 +
 REC8929 + REC8930 + REC8933 + REC8934 + REC8935
 (cont.)

VARIABLE SYMPTM (cont.)

CONSTRUCTION (cont.)

STEP 3:

The final scores were transformed to a 0-100 scale:

$SYMPTM = ((TMP - MIN)/(MAX - MIN)) * 100$

WHERE MIN=0
MAX=25

SYMPTM was set to missing if six or more of the DEI variables in step 1 were missing.

VARIABLE	SYMPTMX	ADULT HSA PHYSICAL HEALTH
Number of Acute Symptoms at Exit		
CODES		
. = Missing includes those not completing the experiment, those with no MHA, and item nonresponse		
SYMPTMX measures the number of acute symptoms of physical illness that the participant had experienced during the 30 days preceding exit. Higher values indicate a greater number of symptoms.		

INPUT VARIABLES

DE18909 (During the past 30 days, did you have a cough, without fever, which lasted at least three weeks)
DE18910 (During the past 30 days, did you have a sore throat or cold, with fever, lasting more than three days)
DE18911 (During the past 30 days, did you have a weight loss of more than ten pounds unless you were dieting)
DE18912 (During the past 30 days, did you have an upset stomach, for less than twenty-four hours)
DE18913 (During the past 30 days, did you have stiffness, pain or swelling joints, lasting more than two weeks)
DE18914 (During the past 30 days, did you have backaches or sciatica)

(cont.)

SYMPTMX VALUE	FREQ	CUM FREQ	%	CUM %
0	786	1093	21.50	21.50
1	1093	2080	19.41	40.91
2	987	2958	17.27	58.17
3	878	3594	12.51	70.68
4	636	4075	9.46	80.14
5	481	4450	7.38	87.51
6	375	4687	4.66	92.17
7	237	4824	2.69	94.87
8	137	4933	2.14	97.01
9	109	4989	1.10	98.11
10	56	5026	0.73	98.84
11	37	5051	0.49	99.33
12	25	5062	0.22	99.55
13	11	5068	0.12	99.67
14	6	5075	0.14	99.80
15	7	5077	0.04	99.84
16	2	5079	0.04	99.88
17	2	5081	0.04	99.92
18	2	5083	0.04	99.96
19	1	5084	0.02	99.98
20	1	5085	0.02	100.00

VARIABLE SYMPTMX (cont.)

INPUT VARIABLES (cont.)

DE18915 (During the past 30 days, did you have trouble falling asleep at night)

DE18916 (During the past 30 days, did you get up exhausted in the mornings, even with the usual amount of sleep)

DE18917 (During the past 30 days, did you have a skin rash or breaking out on any part of the body)

DE18918 (During the past 30 days, did you have shortness of breath with light exercise or light work)

DE18919 (During the past 30 days, did you have chest pain when exercising)

DE18920 (During the past 30 days, did you have your nose stopped up, or sneezing or allergies for two weeks or more)

DE18921 (During the past 30 days, did you have swollen ankles when you woke up)

DE18922 (During the past 30 days, did you have headaches almost every day)

DE18923 (During the past 30 days, did you have a cough without fever, which lasted for less than a week)

DE18924 (During the past 30 days, did you have loss of consciousness, fainting, or passing out)

DE18925 (During the past 30 days, did you have acid indigestion or heartburn after many meals)

DE18926 (During the past 30 days, did you have a sprained ankles, but you could still walk)

DE18927 (During the past 30 days, did you have a toothache)

DE18928 (During the past 30 days, did you have a stomach "flu" or virus with vomiting or diarrhea)

DE18929 (During the past 30 days, did you have bleeding not caused by accident or injury)

DE18930 (During the past 30 days, did you have an eye infection)

DE18933 (Men only: During the past 30 days, did you have difficulty passing urine, or prostate trouble)

DE18934 (Women only: During the past 30 days, did you have difficulty controlling urine, or bladder or kidney problems)

DE18935 (Women only: During the past 30 days, did you have irregular periods, or bleeding between periods)

(cont.)

VARIABLE SYNTAX (cont.)

CONSTRUCTION

STEP 1:

Several temporary variables were created:

REC8909 = 0 IF DE18909 = 1 OR ;
 = 1 IF DE18909 = 2 OR 3

REC8910 = 0 IF DE18910 = 1 OR ;
 = 1 IF DE18910 = 2 OR 3

REC8911 = 0 IF DE18911 = 1 OR ;
 = 1 IF DE18911 = 2 OR 3

REC8912 = 0 IF DE18912 = 1 OR ;
 = 1 IF DE18912 = 2 OR 3

REC8913 = 0 IF DE18913 = 1 OR ;
 = 1 IF DE18913 = 2 OR 3

REC8914 = 0 IF DE18914 = 1 OR ;
 = 1 IF DE18914 = 2 OR 3

REC8915 = 0 IF DE18915 = 1 OR ;
 = 1 IF DE18915 = 2 OR 3

REC8916 = 0 IF DE18916 = 1 OR ;
 = 1 IF DE18916 = 2 OR 3

REC8917 = 0 IF DE18917 = 1 OR ;
 = 1 IF DE18917 = 2 OR 3

REC8918 = 0 IF DE18918 = 1 OR ;
 = 1 IF DE18918 = 2 OR 3

REC8919 = 0 IF DE18919 = 1 OR ;
 = 1 IF DE18919 = 2 OR 3

REC8920 = 0 IF DE18920 = 1 OR ;
 = 1 IF DE18920 = 2 OR 3

REC8921 = 0 IF DE18921 = 1 OR ;
 = 1 IF DE18921 = 2 OR 3

REC8922 = 0 IF DE18922 = 1 OR ;
 = 1 IF DE18922 = 2 OR 3

(cont.)

VARIABLE SYMPTMX (cont.)

CONSTRUCTION (cont.)

```

REC8923 = 0 IF DE18923 = 1 OR ;
          = 1 IF DE18923 = 2 OR 3 ;

REC8924 = 0 IF DE18924 = 1 OR ;
          = 1 IF DE18924 = 2 OR 3 ;

REC8925 = 0 IF DE18925 = 1 OR ;
          = 1 IF DE18925 = 2 OR 3 ;

REC8926 = 0 IF DE18926 = 1 OR ;
          = 1 IF DE18926 = 2 OR 3 ;

REC8927 = 0 IF DE18927 = 1 OR ;
          = 1 IF DE18927 = 2 OR 3 ;

REC8928 = 0 IF DE18928 = 1 OR ;
          = 1 IF DE18928 = 2 OR 3 ;

REC8929 = 0 IF DE18929 = 1 OR ;
          = 1 IF DE18929 = 2 OR 3 ;

REC8930 = 0 IF DE18930 = 1 OR ;
          = 1 IF DE18930 = 2 OR 3 ;

REC8933 = 0 IF DE18933 = 1 OR ;
          = 1 IF DE18933 = 2 OR 3 ;

REC8934 = 0 IF DE18934 = 1 OR ;
          = 1 IF DE18934 = 2 OR 3 ;

REC8935 = 0 IF DE18935 = 1 OR ;
          = 1 IF DE18935 = 2 OR 3 ;

```

STEP 2:

The temporary variables were summed:

```

TEMP = REC8909 + REC8910 + REC8911 + REC8912 + REC8913 +
        REC8914 + REC8915 + REC8916 + REC8917 + REC8918 +
        REC8919 + REC8920 + REC8921 + REC8922 + REC8923 +
        REC8924 + REC8925 + REC8926 + REC8927 + REC8928 +
        REC8929 + REC8930 + REC8933 + REC8934 + REC8935
        (cont.)

```

VARIABLE SYMPTMX (cont.)

CONSTRUCTION (cont.)

STEP 3:

The final scores were transformed to a 0-100 scale:

$SYMPTMX = ((TEMP - MIN)/(MAX - MIN)) * 100$

WHERE MIN=0
MAX=25

SYMPTMX was set to missing if six or more of the DE1 variables in step 1 were missing.

VARIABLE	DISEA	ADULT HSA PHYSICAL HEALTH	DISEA VALUE	FREQ	CUM FREQ	%	CUM %
		Number of Disease Conditions at Enrollment	0	979	497	10.16	10.16
		CODES	3.4	497	1271	15.82	25.98
			4.3	73	1344	1.49	27.47
			6.9	803	2147	16.42	43.89
			8.7	97	2244	1.98	45.87
			10.3	705	2949	14.41	60.28
			13	93	3042	1.90	62.18
			13.8	506	3548	10.34	72.53
			17.2	380	3928	7.77	80.29
			17.4	78	4006	1.59	81.89
			20.7	269	4275	5.50	87.39
			21.7	55	4330	1.12	88.51
			24.1	186	4516	3.80	92.31
			26.1	32	4548	0.65	92.97
			27.6	143	4691	2.92	95.89
			30.4	26	4717	0.53	96.42
			31	69	4786	1.41	97.83
			34.5	40	4826	0.82	98.65
			34.8	9	4835	0.18	98.84
			37.9	31	4866	0.63	99.47
			39.1	5	4871	0.10	99.57
			41.4	9	4880	0.18	99.76
			43.5	3	4883	0.06	99.82
			44.8	4	4887	0.08	99.90
						(cont.)	

INPUT VARIABLES

DE13725 (Dayton MIQA; NonDayton MIQB -- During the past 12 months, have you had any pain, aching, swelling or stiffness in your joints -- for example, your fingers, hip or knee?
1.Yes 2.No)

DE13743 (Dayton MIQA only -- During the past 12 months, have you ever felt short of breath or has the doctor ever told you that you had heart failure? 1.Yes 2.No) (cont.)

VARIABLE D1SFA (cont.)		VALUE	FREQ	CUM FREQ	%	CUM %
INPUT VARIABLES (cont.)						
DE13758	(Dayton MHQA; NonDayton MHQB -- Have you had any discomfort, heaviness or pressure in your chest during the past 12 months? 1.Yes 2.No)	47.8	2	4889	0.04	99.94
DE13777	(Dayton MHQA; NonDayton MHQB -- Has a doctor ever told you that you had chronic bronchitis or emphysema? 1.Yes 2.No)	48.3	2	4891	0.04	99.98
DE13780	(Dayton MHQA; NonDayton MHQB -- During the past 12 months, have you brought up any phlegm from your chest first thing in the morning? 1.Yes 2.No)	58.6	1	4892	0.02	100.00
DE13872	(Dayton MHQA; NonDayton MHQB -- Has a doctor ever said that you had high blood pressure? 1.Yes 2.No)					
DE13886	(Dayton MHQA; NonDayton MHQB -- In the past three months, have you ever had stomach pain or stomach ache for as many as three days in one week? 1.Yes 2.No)					
DE13890	(Dayton MHQA; NonDayton MHQB -- Has a doctor ever said that you had an ulcer in your stomach or duodenum? 1.Yes 2.No)					
DE14102	(NonDayton MHQB only -- Has a doctor ever told you that you had cancer? 1.Yes 2.No)					
DE14219	(Dayton MHQB only -- Have you ever had hay fever? 1.Yes 2.No)					
DE14230	(Dayton MHQB only -- Do you have trouble hearing with one or both ears without a hearing aid? 1.Yes 2.No)					
DE14242	(MHQB -- Do you have any natural teeth at all? (Your own teeth, not artificial?) 1.Yes 2.No)					
DE14247	(MHQB -- Has a dentist ever told you that you have gum problems? 1.Yes 2.No)					
DE14252	(MHQB -- Has a doctor ever said that you had tuberculosis (T.B.)? 1.Yes 2.No)					
DE14260	(MHQB -- Have you had a hernia within the past 12 months? 1.Yes 2.No)					
DE14315	(Dayton MHQB only -- Has a doctor told you that you currently have anemia, or are you currently under treatment for it? 1.Yes, I have it or am under treatment for it 2.Yes, I had it, but it is now cured 3.No, I do not have anemia)					
DE14328	(MHQB -- Did a doctor ever say you had kidney disease? 1.Yes 2.No)					
DE14329	(MHQB -- Have you ever had a kidney, bladder or urine infection? 1.Yes 2.No)					
DE14340	(MHQB -- Has a doctor ever said you have high blood cholesterol? 1.Yes 2.No)					
DE14354	(MHQB -- Without glasses, can you read ordinary newsprint? 1.Yes 2.No)					
DE14355	(MHQB -- Without glasses, can you recognize a friend across the street? 1.Yes 2.No)					

(cont.)

VARIABLE DISEA (cont.)

INPUT VARIABLES (cont.)

DE14359 (MIQB -- Has a doctor ever said you have glaucoma (increased pressure in the eye)? 1.Yes 2.No)
 DE14369 (MIQB -- Has a doctor ever said that you had goiter or thyroid trouble? 1.Yes 2.No)
 DE14379 (Dayton MIQB only -- Has a doctor ever said that you have syphilis (lues, bad blood)? 1.Yes 2.No)
 DE14381 (Dayton MIQB only -- In the past 12 months, have you had gonorrhea, clap, or VD? 1.No 2.Once 3.Twice 4.Three times 5.four times 6.five or more times)
 DE14383 (MIQB -- Have you noticed varicose veins in your legs within the last 12 months? 1.Yes 2.No)
 DE14394 (MIQB -- In the last 12 months, have you had trouble with pimples on your face? 1.Yes 2.No)
 DE14415 (MIQB -- Have you had hemorrhoids (piles) within the past 12 months? 1.Yes 2.No)
 DE14424 (Dayton MIQB only -- Did a doctor or nurse tell you that you had diabetes or prediabetes? 1.Yes 2.No)
 DE15013 (NonDayton MIQB only -- Have you ever had a kidney, bladder, or urine infection? 1.Yes 2.No)
 DE15267 (NonDayton MIQB only -- Do you have any missing limbs, that is, arms, legs, or fingers that are missing or have been amputated? 1.Yes 2.No)
 DE15300 (NonDayton MIQB only -- Can you usually hear and understand what a person says, without seeing his face and without a hearing aid, if he whispers to you from across a quiet room? 1.Yes 2.No)
 DE15318 (NonDayton MIQB only -- Have you ever had hay fever or other allergies to plants and grasses? 1.Yes 2.No)
 DE19003 (NonDayton MIQB only -- During the past 12 months, have you ever felt short of breath? 1.Yes 2.No)
 DE19004 (NonDayton MIQB only -- Has a doctor ever told you that you had an enlarged heart or heart failure? 1.Yes 2.No)
 DE19005 (NonDayton MIQB only -- Has a doctor ever told you that you had an enlarged heart or heart failure? 1.Yes 2.No)
 DE19018 (NonDayton MIQB only -- Have you had chest pain in the past 12 months? 1.Yes 2.No)
 DE19042 (NonDayton MIQB only -- Has a doctor ever said that you had anemia or low blood? 1.Yes 2.No)
 DE19044 (NonDayton MIQB only -- Has a doctor ever said that you had diabetes or prediabetes? 1.Yes 2.No)
 DE19101 (NonDayton MIQB only -- During the past 12 months, have you had arteriosclerosis, hardening of the arteries? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)
 DE19104 (NonDayton MIQB only -- During the past 12 months, have you had chronic hepatitis or yellow jaundice? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)

(cont.)

VARIABLE DISEA (cont.)

INPUT VARIABLES (cont.)

DE19105 (NonDayton MIQ8 only -- During the past 12 months, have you had chronic gall bladder trouble or gallstones? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)
 DE19106 (NonDayton MIQ8 only -- During the past 12 months, have you had phlebitis (thrombophlebitis)? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)
 DE19108 (NonDayton MIQ8 only -- Women only: During the past 12 months, have you had any disease of the uterus or ovary? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)
 DE19109 (NonDayton MIQ8 only -- Women only: During the past 12 months, have you had any lumps in your breasts? 1.No, did not have this 2.Had it, but did not see a doctor 3.Had it, and saw a doctor)

CONSTRUCTION

(Dayton)

DISEA = 0

IF DE13777 = 1 OR DE13780 = 1 THEN DISEA = DISEA + 1
 IF DE13886 = 1 OR DE13890 = 1 THEN DISEA = DISEA + 1
 IF DE14242 = 2 OR DE14247 = 1 THEN DISEA = DISEA + 1
 IF DE14328 = 1 OR DE14329 = 1 THEN DISEA = DISEA + 1
 IF DE14354 = 2 OR DE14355 = 2 THEN DISEA = DISEA + 1
 IF DE13725 = 1 THEN DISEA = DISEA + 1
 IF DE13743 = 1 THEN DISEA = DISEA + 1
 IF DE13758 = 1 THEN DISEA = DISEA + 1
 IF DE13872 = 1 THEN DISEA = DISEA + 1
 IF DE14219 = 1 THEN DISEA = DISEA + 1
 (cont.)

VARIABLE DISEA (cont.)

CONSTRUCTION (cont.)

IF DE14230 = 1 THEN DISEA = DISEA + 1
IF DE14252 = 1 THEN DISEA = DISEA + 1
IF DE14260 = 1 THEN DISEA = DISEA + 1
IF DE14315 = 1 OR DE14315 = 2 THEN DISEA = DISEA + 1
IF DE14340 = 1 THEN DISEA = DISEA + 1
IF DE14359 = 1 THEN DISEA = DISEA + 1
IF DE14369 = 1 THEN DISEA = DISEA + 1
IF DE14379 = 1 THEN DISEA = DISEA + 1
IF DE14381 > 1 THEN DISEA = DISEA + 1
IF DE14383 = 1 THEN DISEA = DISEA + 1
IF DE14394 = 1 THEN DISEA = DISEA + 1
IF DE14415 = 1 THEN DISEA = DISEA + 1
IF DE14424 = 1 THEN DISEA = DISEA + 1

The final scores were transformed to a 0-100 scale:

$DISEA = ((DISEA - MIN)/(MAX - MIN)) * 100$

WHERE MIN=0
MAX=23

The result was rounded to the nearest tenth.

DISEA was set to missing if responses for more than eight of the conditions were missing.

(cont.)

```
VARIABLE DISEA (cont.)
CONSTRUCTION (cont.)
{NonDayton}
    DISEA = 0
    IF DE14242 = 2 OR DE14247 = 1 THEN DISEA = DISEA + 1
    IF DE14354 = 2 OR DE14355 = 2 THEN DISEA = DISEA + 1
    IF DE19003 = 1 OR DE19004 = 1 OR DE19005 = 1 THEN
        DISEA = DISEA + 1
    IF DE19018 = 1 OR DE13758 = 1 THEN DISEA = DISEA + 1
    IF DE13777 = 1 OR DE13780 = 1 THEN DISEA = DISEA + 1
    IF DE13886 = 1 OR DE13890 = 1 THEN DISEA = DISEA + 1
    IF DE14328 = 1 OR DE14329 = 1 OR DE15013 = 1 THEN
        DISEA = DISEA + 1
    IF DE15300 = 2 THEN DISEA = DISEA + 1
    IF DE14359 = 1 THEN DISEA = DISEA + 1
    IF DE15318 = 1 THEN DISEA = DISEA + 1
    IF DE14394 = 1 THEN DISEA = DISEA + 1
    IF DE14369 = 1 THEN DISEA = DISEA + 1
    IF DE13725 = 1 THEN DISEA = DISEA + 1
    IF DE13872 = 1 THEN DISEA = DISEA + 1
    IF DE14252 = 1 THEN DISEA = DISEA + 1
    IF DE14340 = 1 THEN DISEA = DISEA + 1
    IF DE19042 = 1 THEN DISEA = DISEA + 1
    IF DE19044 = 1 THEN DISEA = DISEA + 1
    IF DE14102 = 1 THEN DISEA = DISEA + 1
    IF DE14415 = 1 THEN DISEA = DISEA + 1
    IF DE14260 = 1 THEN DISEA = DISEA + 1
    IF DE14383 = 1 THEN DISEA = DISEA + 1
    (cont.)
```

VARIABLE DISEA (cont.)

CONSTRUCTION (cont.)

```
IF DE19101 = 1 THEN DISEA = DISEA + 1
IF DE19101 = 2 OR DE19101 = 3 THEN DISEA = DISEA + 1
IF DE19104 = 2 OR DE19104 = 3 THEN DISEA = DISEA + 1
IF DE19105 = 2 OR DE19105 = 3 THEN DISEA = DISEA + 1
IF DE19106 = 2 OR DE19106 = 3 THEN DISEA = DISEA + 1
IF DE19108 = 2 OR DE19108 = 3 THEN DISEA = DISEA + 1
IF DE19109 = 2 OR DE19109 = 3 THEN DISEA = DISEA + 1
```

The final scores were transformed to a 0-100 scale:

$DISEA = ((DISEA - MIN) / (MAX - MIN)) * 100$

WHERE MIN=0
MAX=29

The result was rounded to the nearest tenth.

DISEA was set to missing if responses for more than ten of the conditions were missing.

VARIABLE	DISEAX	ADULT HSA PHYSICAL HEALTH
Number of Disease Conditions at Exit		
CODES		
.	- Missing includes those not completing the experiment, those with no MHQB, and item nonresponse	
DISEAX	measures the number of disease conditions that the participant had experienced preceding exit. Higher values indicate a greater number of disease conditions.	

(cont.)

DISEAX VALUE	FREQ	CUM FREQ	%	CUM %
0	785	551	10.83	10.83
3.4	551	1490	18.46	29.30
6.9	889	2379	17.48	46.78
10.3	785	3164	15.44	62.21
13.8	624	3788	12.27	74.48
17.2	456	4244	8.97	83.45
20.7	317	4561	6.23	89.68
24.1	199	4760	3.91	93.59
27.6	130	4890	2.56	96.15
31	86	4976	1.69	97.84
34.5	56	5032	1.10	98.94
37.9	33	5065	0.65	99.59
41.4	11	5076	0.22	99.80
44.8	6	5082	0.12	99.92

(cont.)

VARIABLE DISEAX (cont.)

INPUT VARIABLES

DE13725 (MIQB -- During the past 12 months, have you had pain, aching, swelling or stiffness in your joints? 1.Yes 2.No)

DE13758 (MIQB -- Have you had pain, discomfort, heaviness or pressure in your chest in the past 12 months? 1.Yes 2.No)

DE13777 (MIQB -- Has a doctor ever told you that you had bronchitis or emphysema? 1.Yes 2.No)

DE13780 (MIQB -- During the past 12 months, have you brought up any phlegm from your chest first thing in the morning? 1.Yes 2.No)

DE13872 (MIQB -- Has a doctor ever said that you had high blood pressure? 1.Yes 2.No)

DE13886 (MIQB -- In the past three months, have you ever had stomach pain or stomach ache for as many as three days in one week? 1.Yes 2.No)

DE13890 (MIQB -- Has a doctor ever said that you had an ulcer in your stomach or duodenum? 1.Yes 2.No)

DE14102 (MIQB -- Has a doctor ever told you that you had cancer? 1.Yes 2.No)

DE14242 (MIQB -- Do you have any natural teeth at all? (Your own teeth, not artificial?) 1.Yes 2.No)

DE14247 (MIQB -- Has a dentist ever told you that you have gum problems? 1.Yes 2.No)

DE14252 (MIQB -- Has a doctor ever said that you had tuberculosis (T.B.)? 1.Yes 2.No)

DE14260 (MIQB -- Have you had a hernia within the past 12 months? 1.Yes 2.No)

DE14328 (MIQB -- Did a doctor ever say you had kidney disease? 1.Yes 2.No)

DE14329 (MIQB -- Have you ever had a kidney, bladder or urine infection? 1.Yes 2.No)

DE14340 (MIQB -- Has a doctor ever said you have high blood cholesterol? 1.Yes 2.No)

DE14354 (MIQB -- Without glasses, can you read ordinary newsprint? 1.Yes 2.No)

DE14355 (MIQB -- Without glasses, can you recognize a friend across the street? 1.Yes 2.No)

DE14359 (MIQB -- Has a doctor ever said you have glaucoma? 1.Yes 2.No)

DE14369 (MIQB -- Has a doctor ever said that you had goiter or thyroid trouble? 1.Yes 2.No)

DE14383 (MIQB -- Have you noticed varicose veins in your legs within the last 12 months? 1.Yes 2.No) (cont.)

VALUE	FREQ	CUM FREQ	%	CUM %
48.3	2	5084	0.04	99.96
51.7	1	5085	0.02	99.98
55.2	1	5086	0.02	100.00

VARIABLE DISEAX (cont.)

INPUT VARIABLES {cont.}

DE14394 (MIQB -- In the last 12 months, have you had trouble with
pimples on your face? 1.Yes 2.No)
DE14415 (MIQB -- Have you had hemorrhoids (piles) within the past
12 months? 1.Yes 2.No)
DE15013 (MIQB -- Have you ever had a kidney, bladder, or urine
infection? 1.Yes 2.No)
DE15267 (MIQB -- Do you have any missing limbs, that is, arms,
legs, or fingers that are missing or have been amputated?
1.Yes 2.No)
DE15300 (MIQB -- Can you usually hear and understand what a person
says, without seeing his face and without a hearing aid,
if he whispers to you from across a quiet room? 1.Yes
2.No)
DE15318 (MIQB -- Have you ever had hay fever or other allergies to
plants and grasses? 1.Yes 2.No)
DE19003 (MIQB -- During the past 12 months, have you ever felt short
of breath? 1.Yes 2.No)
DE19004 (MIQB -- Has a doctor ever told you that you had an enlarged
heart or heart failure? 1.Yes 2.No)
DE19005 (MIQB -- Has a doctor ever told you that you had an enlarged
heart or heart failure? 1.Yes 2.No)
DE19018 (MIQB -- Have you had chest pain in the past 12 months?
1.Yes 2.No)
DE19042 (MIQB -- Has a doctor ever said that you had anemia or low
blood? 1.Yes 2.No)
DE19044 (MIQB -- Has a doctor ever said that you had diabetes or
prediabetes? 1.Yes 2.No)
DE19101 (MIQB -- During the past 12 months, have you had
arteriosclerosis, hardening of the arteries? 1.No, did
not have this 2.Had it, but did not see a doctor 3.Had
it, and saw a doctor)
DE19104 (MIQB -- During the past 12 months, have you had chronic
hepatitis or yellow jaundice? 1.No, did not have this
2.Had it, but did not see a doctor 3.Had it, and saw a
doctor)
DE19105 (MIQB -- During the past 12 months, have you had chronic
gall bladder trouble or gallstones? 1.No, did not have
this 2.Had it, but did not see a doctor 3.Had it, and
saw a doctor)
DE19106 (MIQB -- During the past 12 months, have you had phlebitis
(thrombophlebitis)? 1.No, did not have this 2.Had it,
but did not see a doctor 3.Had it, and saw a doctor)
DE19108 (MIQB -- Women only: During the past 12 months, have you
had any disease of the uterus or ovary? 1.No, did not
have this 2.Had it, but did not see a doctor 3.Had it,
and saw a doctor)

(cont.)

```

VARIABLE DISEAX (cont.)
INPUT VARIABLES (cont.)

DE19109 (MIQB -- Women only: During the past 12 months, have you
had any lumps in your breasts? 1.No, did not have this
2.Had it, but did not see a doctor 3.Had it, and saw a
doctor)

CONSTRUCTION
DISEAX = 0
IF DE14242 = 2 OR DE14247 = 1 THEN DISEAX = DISEAX + 1
IF DE14354 = 2 OR DE14355 = 2 THEN DISEAX = DISEAX + 1
IF DE19003 = 1 OR DE19004 = 1 OR DE19005 = 1 THEN
DISEAX = DISEAX + 1
IF DE19018 = 1 OR DE13758 = 1 THEN DISEAX = DISEAX + 1
IF DE13777 = 1 OR DE13780 = 1 OR DE13777 = 2 OR
DE13777 = 3 THEN DISEAX = DISEAX + 1
IF DE13886 = 1 OR DE13890 = 1 THEN DISEAX = DISEAX + 1
IF DE14328 = 1 OR DE14329 = 1 OR DE15013 = 1 THEN
DISEAX = DISEAX + 1
IF DE15300 = 2 THEN DISEAX = DISEAX + 1
IF DE14359 = 1 THEN DISEAX = DISEAX + 1
IF DE15318 = 1 THEN DISEAX = DISEAX + 1
IF DE14394 = 1 THEN DISEAX = DISEAX + 1
IF DE14369 = 1 THEN DISEAX = DISEAX + 1
IF DE13725 = 1 THEN DISEAX = DISEAX + 1
IF DE13872 = 1 THEN DISEAX = DISEAX + 1
IF DE14252 = 1 THEN DISEAX = DISEAX + 1
IF DE14340 = 1 THEN DISEAX = DISEAX + 1

( cont. )

```

VARIABLE DISEAX (cont.)

CONSTRUCTION (cont.)

IF DE19042 = 1 THEN DISEAX = DISEAX + 1
 IF DE19044 = 1 THEN DISEAX = DISEAX + 1
 IF DE14102 = 1 THEN DISEAX = DISEAX + 1
 IF DE14115 = 1 THEN DISEAX = DISEAX + 1
 IF DE14260 = 1 THEN DISEAX = DISEAX + 1
 IF DE14383 = 1 THEN DISEAX = DISEAX + 1
 IF DE15267 = 1 THEN DISEAX = DISEAX + 1
 IF DE19101 = 2 OR DE19101 = 3 THEN DISEAX = DISEAX + 1
 IF DE19104 = 2 OR DE19104 = 3 THEN DISEAX = DISEAX + 1
 IF DE19105 = 2 OR DE19105 = 3 THEN DISEAX = DISEAX + 1
 IF DE19106 = 2 OR DE19106 = 3 THEN DISEAX = DISEAX + 1
 IF DE19108 = 2 OR DE19108 = 3 THEN DISEAX = DISEAX + 1
 IF DE19109 = 2 OR DE19109 = 3 THEN DISEAX = DISEAX + 1

The final scores were transformed to a 0-100 scale:

DISEAX = ((DISEAX - MIN)/(MAX - MIN)) * 100

WHERE MIN=0
 MAX=29

The result was rounded to the nearest tenth.

DISEAX was set to missing if responses for more than ten of the conditions were missing.

VARIABLE	MHI	ADULT IUSA MENTAL HEALTH
Index of Mental Health at Enrollment		
CODES		
- Missing includes those under 14 years; those with no MHQA; and item nonresponse		
MHI rates the participant's mental health, combining measures of anxiety, depression, and psychological well-being based on both the frequency and the intensity of symptoms during the month preceding enrollment. Higher values indicate better mental health: more pronounced feelings of psychological well-being and freedom from feelings of anxiety and depression. MHI is based on a set of 45 input variables. Eight other measures -- ANX, DEP, POSWB, LIES, EMINS, PWB, PSYOS, and LIFE -- are based on subsets of the same 45 input variables.		

MHI	NUMBER OF OBSERVATIONS	5135
	NUMBER OF MISSING	736
	MEAN	74.32
	MEDIAN	77.10
	MINIMUM VALUE	12.20
	MAXIMUM VALUE	100.00
	STANDARD DEVIATION	13.68
	COEFFICIENT OF VARIATION	18.41
	SKEWNESS	-0.91
	KURTOSIS	0.91

INPUT VARIABLES

DE13938 (Dayton only -- How have you been feeling generally during the past month)

DE13939 (Have you been bothered by nervousness or "nerves" during the past month)

DE13942 (How happy, satisfied, or pleased have you been with your personal life during the past month)

DE13943 (Dayton only -- Have you been under, or felt under, any strain, stress, or pressure during the past month)

DE13944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)

DE13945 (Dayton only -- During the past month did you feel depressed)

DE13946 (Have you been anxious, worried, or upset during the past month)

DE13948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month)

DE13949 (Dayton only -- Did you feel relaxed, at ease, or high strung, tight, or keyed up during the past month)

DE13950 (Dayton only -- Have you felt so sad, discouraged, hopeless, or had so many problems that you wondered if anything was worthwhile during the past month)
(cont.)

VARIABLE MIII (cont.)

INPUT VARIABLES (cont.)

DE13952 (Dayton only -- Were you generally tense or did you feel any tension during the past month)
 DE13954 (Have you felt downhearted and blue during the past month)
 DE13956 (Has your daily life been full of things that were interesting to you during the past month)
 DE13957 (Have you been waking up feeling fresh and rested during the past month)
 DE13958 (Have you been feeling emotionally stable and sure of yourself during the past month)
 DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)
 DE14477 (NonDayton only -- How much of the time have you felt lonely during the past month)
 DE14478 (Dayton MIQB only -- Was your love/sex life full and complete during the past month? 1.All of the time 2.Most of the time 3.A good bit of the time 4.Some of the time 5.A little of the time 6.None of the time)
 DE14479 (How much of the time, during the past month, have you felt calm and peaceful?)
 DE14483 (NonDayton only -- Have you been moody or brooded about things during the past month)
 DE14486 (NonDayton only -- Have you felt restless, fidgety, or impatient during the past month)
 DE14491 (How much of the time have you felt loved and wanted during the past month)
 DE18845 (NonDayton only -- How often did you become nervous or jumpy when faced with excitement or unexpected situations during the past month)
 DE18846 (NonDayton only -- During the past month, how much of the time have you felt that the future looks hopeful and promising)
 DE18848 (NonDayton only -- How much of the time did you feel relaxed and free of tension during the past month)
 DE18849 (NonDayton only -- During the past month, how much of the time have you generally enjoyed the things you do)
 DE18851 (NonDayton only -- Did you feel depressed during the past month)
 DE18852 (NonDayton only -- How much of the time have you been very nervous during the past month)
 DE18853 (NonDayton only -- When you got up in the morning, this past month, how often did you expect an interesting day)
 DE18855 (NonDayton only -- How much of the time have you felt tense or high strung during the past month) (cont.)

VARIABLE MHI (cont.)

INPUT VARIABLES (cont.)

DE18856 (NonDayton only -- How often did your hands shake when you tried to do something during the past month)
 DE18857 (NonDayton only -- How often did you feel that you had nothing to look forward to during the past month)
 DE18859 (NonDayton only -- How often have you felt like crying during the past month)
 DE18861 (NonDayton only -- During the past month, how often did you feel that others would be better off if you were dead)
 DE18862 (NonDayton only -- How much of the time were you able to relax without difficulty during the past month)
 DE18863 (NonDayton only -- During the past month, how much of the time did you feel that your love relationships, loving and being loved, were full and complete)
 DE18864 (NonDayton only -- How often, during the past month, did you feel that nothing turned out for you the way you wanted it to)
 DE18865 (NonDayton only -- How much of the time has living been a wonderful adventure for you during the past month)
 DE18867 (NonDayton only -- How often, during the past month, have you felt so down in the dumps that nothing could cheer you up)
 DE18868 (NonDayton only -- Did you ever think about taking your own life during the past month)
 DE18870 (NonDayton only -- How often did you get rattled, upset, or flustered during the past month)
 DE18872 (NonDayton only -- How much of the time were you a happy person during the past month)
 DE18873 (NonDayton only -- How often, during the past month, did you find yourself having difficulty trying to calm down)
 DE18874 (NonDayton only -- How much of the time have you been in low or very low spirits during the past month)
 DE18875 (NonDayton only -- Have you been under, or felt under, any strain, stress, or pressure during the past month)

CONSTRUCTION

(Dayton)

Reversals: DE13938, DE13942, DE13944, DE13948, DE13949,
 DE13956, DE13957, DE13958, DE13959, DE14478,
 DE14479, DE14491

(cont.)

VARIABLE MH1 (cont.)

CONSTRUCTION (cont.)

TEMP = DE13938 + DE13939 + DE13942 + DE13943 + DE13944 +
 DE13945 + DE13946 + DE13948 + DE13949 + DE13950 +
 DE13952 + DE13954 + DE13956 + DE13957 + DE13958 +
 DE13959 + DE14478 + DE14479 + DE14491

MH1 = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=19
 MAX=114

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(NonDayton)

Reversals: DE13942, DE13944, DE13948, DE13956, DE13957,
 DE13958, DE13959, DE14479, DE14491, DE18846,
 DE18848, DE18849, DE18853, DE18862, DE18863,
 DE18865, DE18872

TEMP = DE13939 + DE13942 + DE13944 + DE13946 + DE13948 +
 DE13954 + DE13956 + DE13957 + DE13958 + DE13959 +
 DE14477 + DE14479 + DE14483 + DE14486 + DE14491 +
 DE18845 + DE18846 + DE18848 + DE18849 + DE18851 +
 DE18852 + DE18853 + DE18855 + DE18856 + DE18857 +
 DE18859 + DE18861 + DE18862 + DE18863 + DE18864 +
 DE18865 + DE18867 + DE18868 + DE18870 + DE18872 +
 DE18873 + DE18874 + DE18875

(cont.)

VARIABLE MH1 (cont.)

CONSTRUCTION (cont.)

MH1 = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=38
MAX=226

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

MH1X

NUMBER OF OBSERVATIONS 5084
NUMBER OF MISSING 787
MEAN 76.09
MEDIAN 79.20
MINIMUM VALUE 2.10
MAXIMUM VALUE 100.00
STANDARD DEVIATION 13.69
COEFFICIENT OF VARIATION 18.00
SKEWNESS -1.04
KURTOSIS 1.28

VARIABLE MH1X ADULT HSA
MENTAL HEALTH

Index of Mental Health at Exit

CODES

. - Missing includes those not completing the experiment,
those with no MHQA, and item nonresponse

MH1X rates the participant's mental health, combining measures of anxiety, depression, and psychological well-being based on both the frequency and the intensity of symptoms during the month preceding exit. Higher values indicate better mental health: more pronounced feelings of psychological well-being and freedom from feelings of anxiety and depression. MH1X is based on a set of 38 input variables. Eight other measures -- ANXX, DEPX, POSWBX, TIESX, EMINSX, PWBX, PSYDSX, and LIFEX -- are based on subsets of the same 38 input variables.

INPUT VARIABLES

DE13939 (Have you been bothered by nervousness or "nerves" during
the past month)
(cont.)

VARIABLE MIX (cont.)

INPUT VARIABLES (cont.)

DE13942 (How happy, satisfied, or pleased have you been with your personal life during the past month)
 DE13944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)
 DE13946 (Have you been anxious, worried, or upset during the past month)
 DE13948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month)
 DE13954 (Have you felt downhearted and blue during the past month)
 DE13956 (Has your daily life been full of things that were interesting to you during the past month)
 DE13957 (Have you been waking up feeling fresh and rested during the past month)
 DE13958 (Have you been feeling emotionally stable and sure of yourself during the past month)
 DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)
 DE14477 (How much of the time have you felt lonely during the past month)
 DE14479 (Have you felt calm and peaceful during the past month)
 DE14483 (Have you been moody or brooded about things during the past month)
 DE14486 (Have you felt restless, fidgety, or impatient during the past month)
 DE14491 (How much of the time have you felt loved and wanted during the past month)
 DE18845 (How often did you become nervous or jumpy when faced with excitement or unexpected situations during the past month)
 DE18846 (During the past month, how much of the time have you felt that the future looks hopeful and promising)
 DE18848 (How much of the time did you feel relaxed and free of tension during the past month)
 DE18849 (During the past month, how much of the time have you generally enjoyed the things you do)
 DE18851 (Did you feel depressed during the past month)
 DE18852 (How much of the time have you been very nervous during the past month)
 DE18853 (When you got up in the morning, this past month, how often did you expect an interesting day)
 DE18855 (How much of the time have you felt tense or high strung during the past month)
 DE18856 (How often did your hands shake when you tried to do something during the past month)

(cont.)

VARIABLE MIX (cont.)

INPUT VARIABLES (cont.)

DE18857 (How often did you feel that you had nothing to look forward to during the past month)
 DE18859 (How often have you felt like crying during the past month)
 DE18861 (During the past month, how often did you feel that others would be better off if you were dead)
 DE18862 (How much of the time were you able to relax without difficulty during the past month)
 DE18863 (During the past month, how much of the time did you feel that your love relationships, loving and being loved, were full and complete)
 DE18864 (How often, during the past month, did you feel that nothing turned out for you the way you wanted it to)
 DE18865 (How much of the time has living been a wonderful adventure for you during the past month)
 DE18867 (How often, during the past month, have you felt so down in the dumps that nothing could cheer you up)
 DE18868 (Did you ever think about taking your own life during the past month)
 DE18870 (How often did you get rattled, upset, or flustered during the past month)
 DE18872 (How much of the time were you a happy person during the past month)
 DE18873 (How often, during the past month, did you find yourself having difficulty trying to calm down)
 DE18874 (How much of the time have you been in low or very low spirits during the past month)
 DE18875 (Have you been under, or felt under, any strain, stress, or pressure during the past month)

CONSTRUCTION

Reversals: DE13942, DE13944, DE13948, DE13956, DE13957,
 DE13958, DE13959, DE14479, DE14491, DE18846,
 DE18848, DE18849, DE18853, DE18862, DE18863,
 DE18865, DE18872

TEMP = DE13939 + DE13942 + DE13944 + DE13946 + DE13948 +
 DE13954 + DE13956 + DE13957 + DE13958 + DE13959 +
 DE14477 + DE14479 + DE14483 + DE14486 + DE14491 +
 (cont.)

VARIABLE MHIX (cont.)

CONSTRUCTION (cont.)

DE18845 + DE18846 + DE18848 + DE18849 + DE18851 +
 DE18852 + DE18853 + DE18855 + DE18856 + DE18857 +
 DE18859 + DE18861 + DE18862 + DE18863 + DE18864 +
 DE18865 + DE18867 + DE18868 + DE18870 + DE18872 +
 DE18873 + DE18874 + DE18875

MHIX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=38
 MAX=226

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

ANX

VARIABLE	ANX	ADULT HSA MENTAL HEALTH
Anxiety at Enrollment		
CODES		
.	- Missing includes those under 14 years, those with no MIQA, and item nonresponse	
ANX	measures anxiety during the month preceding enrollment. ANX is based on 11 of the set of 45 input variables used in MHI; those 11 focus on symptoms of anxiety. Higher values indicate that the participant felt more nervous, tense, and keyed up.	

(cont.)

NUMBER OF OBSERVATIONS 5134
 NUMBER OF MISSING 737
 MEAN 22.71
 MEDIAN 20.00
 MINIMUM VALUE 0.00
 MAXIMUM VALUE 95.60
 STANDARD DEVIATION 15.61
 COEFFICIENT OF VARIATION 68.73
 SKEWNESS 1.06
 KURTOSIS 1.24

VARIABLE ANX (cont.)

INPUT VARIABLES

DE13939 (Have you been bothered by nervousness or "nerves" during
the past month)
DE13946 (NonDayton only -- Have you been anxious, worried, or
upset during the past month)
DE13949 (Dayton only -- Did you feel relaxed, at ease, or high
strung, tight, or keyed up during the past month)
DE13952 (Dayton only -- Were you generally tense or did you feel
any tension during the past month)
DE14486 (NonDayton only -- Have you felt restless, fidgety, or
impatient during the past month)
DE18845 (NonDayton only -- How often did you become nervous or
jumpy when faced with excitement or unexpected situations
during the past month)
DE18852 (NonDayton only -- How much of the time have you been
very nervous during the past month)
DE18855 (NonDayton only -- How much of the time have you felt
tense or high strung during the past month)
DE18856 (NonDayton only -- How often did your hands shake when
you tried to do something during the past month)
DE18870 (NonDayton only -- How often did you get rattled, upset,
or flustered during the past month)
DE18873 (NonDayton only -- How often, during the past month, did
you find yourself having difficulty trying to calm down)

CONSTRUCTION

(Dayton)

Reversals: DE13939, DE13952

TEMP = DE13939 + DE13949 + DE13952

ANX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=18

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

(cont.)

VARIABLE ANX (cont.)

CONSTRUCTION (cont.)

(NonDayton)

Reversals: DE13939, DE13946, DE14486, DE18845, DE18852,

DE18855, DE18856, DE18870, DE18873

TEMP = DE13939 + DE13946 + DE14486 + DE18845 + DE18852 +

DE18855 + DE18856 + DE18870 + DE18873

ANX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=54

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

ANXX

NUMBER OF OBSERVATIONS	5084
NUMBER OF MISSING	787
MEAN	19.99
MEDIAN	17.80
MINIMUM VALUE	0.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	14.63
COEFFICIENT OF VARIATION	73.18
SKEWNESS	1.22
KURTOSIS	2.04

VARIABLE ANXX ADULT HISA
MENTAL HEALTH

Anxiety at Exit

CODES

- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse

ANXX measures anxiety during the month preceding exit. ANXX is based on 9 of the set of 38 input variables used in MIIX; those 9 focus on symptoms of anxiety. Higher values indicate that the participant felt more nervous, tense, and keyed up.

INPUT VARIABLES

DE13939 (Have you been bothered by nervousness or "nerves" during the past month)
 DE13946 (Have you been anxious, worried, or upset during the past month)
 DE14486 (Have you felt restless, fidgety, or impatient during the past month)
 DE18845 (How often did you become nervous or jumpy when faced with excitement or unexpected situations during the past month)
 DE18852 (How much of the time have you been very nervous during the past month)
 DE18855 (How much of the time have you felt tense or high strung during the past month)
 DE18856 (How often did your hands shake when you tried to do something during the past month)
 DE18870 (How often did you get rattled, upset, or flustered during the past month)
 DE18873 (How often, during the past month, did you find yourself having difficulty trying to calm down)

CONSTRUCTION

Reversals: DE13939, DE13946, DE14486, DE18845, DE18852, DE18855, DE18856, DE18870, DE18873

TEMP = DE13939 + DE13946 + DE14486 + DE18845 + DE18852 + DE18855 + DE18856 + DE18870 + DE18873 (cont.)

VARIABLE ANXX (cont.)

CONSTRUCTION (cont.)

ANXX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=54

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE DEP ADULT HSA
MENTAL HEALTH
Depression at Enrollment
CODES
- Missing includes those under 14 years, those with
no MHQA, and item nonresponse
DEP measures depression during the month preceding enrollment.
DEP is based on 6 of the set of 45 input variables used in
MHQ; those 6 focus on symptoms of depression. Higher values
indicate that the participant felt more depressed, downhearted
and blue, moody, and in low spirits.

INPUT VARIABLES

DE13943 (Dayton only -- Have you been under, or felt under, any
strain, stress, or pressure during the past month)
DE13945 (Dayton only -- During the past month did you feel
depressed)
DE13954 (Have you felt downhearted and blue during the past month)
DE14483 (NonDayton only -- Have you been moody or brooded about
things during the past month)
(cont.)

DEP	VALUE	FREQ	CUM FREQ	%	CUM %
	0	737	590	11.49	11.49
	5.3	590	995	7.89	19.38
	6.7	405	1069	1.44	20.82
	7	74	1070	0.02	20.84
	10.5	441	1511	8.59	29.43
	13.3	83	1594	1.62	31.05
	14	5	1599	0.10	31.15
	15.8	567	2166	11.04	42.19
	20	150	2316	2.92	45.11
	21.1	973	3289	18.95	64.06
	26.3	463	3752	9.02	73.08
	26.7	145	3897	2.82	75.91
	28.1	2	3899	0.04	75.95
	31.6	293	4192	5.71	81.65
	33.3	75	4267	1.46	83.11
	35.1	1	4268	0.02	83.13
	36.8	262	4530	5.10	88.24
	40	50	4580	0.97	89.21
	42.1	142	4722	2.77	91.98
	46.7	31	4753	0.60	92.58
	47.4	86	4839	1.68	94.25
	52.6	76	4915	1.48	95.73
	53.3	23	4938	0.45	96.18
	56.1	2	4940	0.04	96.22

(cont.)

VARIABLE DEP (cont.)	VALUE	FREQ	CUM FREQ	%	CUM %
INPUT VARIABLES (cont.)					
DE18851 (NonDayton only -- Did you feel depressed during the past month)	57.9	53	4993	1.03	97.25
DE18874 (NonDayton only -- How much of the time have you been in low or very low spirits during the past month)	60	13	5006	0.25	97.51
	63.2	30	5036	0.58	98.09
	66.7	15	5051	0.29	98.38
	68.4	22	5073	0.43	98.81
	73.3	7	5080	0.14	98.95
	73.7	22	5102	0.43	99.38
	78.9	13	5115	0.25	99.63
	80	3	5118	0.06	99.69
	84.2	10	5128	0.20	99.88
	86.7	1	5129	0.02	99.90
	89.5	2	5131	0.04	99.94
	93.3	1	5132	0.02	99.96
	94.7	1	5133	0.02	99.98
	100	1	5134	0.02	100.00
CONSTRUCTION					
(Dayton)					
Reversals: DE13943, DE13945, DE13954					
TEMP = DE13943 + DE13945 + DE13954					
DEP = ((TEMP - MIN)/MAX - MIN) * 100					
WHERE MIN=3					
MAX=18					
The result was rounded to the nearest tenth.					
If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.					
(NonDayton)					
Reversals: DE13954, DE14483, DE18851, DE18874					
TEMP = DE13954 + DE14483 + DE18851 + DE18874					
DEP = ((TEMP - MIN)/(MAX - MIN)) * 100					
WHERE MIN=4					
MAX=23					
The result was rounded to the nearest tenth.					
If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.					
(cont.)					

VARIABLE	DEPX	ADULT HSA MENTAL HEALTH
Depression at Exit		
CODES		
0	787	15.72
1	799	9.74
2	495	25.45
3	6	25.57
4	487	35.15
5	6	35.27
6	646	47.97
7	1201	71.60
8	422	23.62
9	4065	8.30
10	3	79.90
11	309	0.06
12	4374	6.08
13	31.6	86.04
14	35.1	0.04
15	276	86.07
16	135	91.50
17	42.1	94.16
18	47.4	2.66
19	49.1	1.53
20	1	95.69
21	52.6	0.02
22	56.1	95.71
23	57.9	1.06
24	63.2	0.04
25	68.4	96.81
26	70.2	1.06
27	73.7	97.88
28	78.9	0.49
29	84.2	98.37
30	89.5	0.51
31	94.7	98.88
32	100	0.02
33		98.90
34		0.41
35		99.31
36		0.32
37		99.63
38		0.20
39		99.82
40		0.10
41		99.92
42		0.04
43		99.96
44		0.04
45		100.00
46		
47		
48		
49		
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100		

INPUT VARIABLES

DE13954 (Have you felt downhearted and blue during the past month)
DE14483 (Have you been moody or brooded about things during the past month)
DE18851 (Did you feel depressed during the past month)
DE18874 (How much of the time have you been in low or very low spirits during the past month)

CONSTRUCTION

Reversals: DE13954, DE14483, DE18851, DE18874
TEMP = DE13954 + DE14483 + DE18851 + DE18874
DEPX = ((TEMP - MIN)/(MAX - MIN)) * 100
WHERE MIN=4
MAX=23

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

POSWB

NUMBER OF OBSERVATIONS	5134
NUMBER OF MISSING	737
MEAN	62.68
MEDIAN	65.50
MINIMUM VALUE	4.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	17.92
COEFFICIENT OF VARIATION	28.59
SKEWNESS	-0.54
KURTOSIS	-0.25

VARIABLE	POSWB	ADULT HSA MENTAL HEALTH
Positive Well-Being at Enrollment		
CODES		
. - Missing includes those under 14 years; those with no MHQA; and item nonresponse		
POSWB measures positive well-being during the month preceding enrollment. POSWB is based on 10 of the set of 45 input variables used in MHL; those 10 focus on positive attitudes toward life. Higher values indicate that the participant felt more cheerful, calm, and fresh.		

INPUT VARIABLES

DE13956 (Has your daily life been full of things that were interesting to you during the past month)

DE13957 (Have you been waking up feeling fresh and rested during the past month)

DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)

DE14479 (How much of the time, during the past month, have you felt calm and peaceful?)

DE18846 (NonDayton only -- During the past month, how much of the time have you felt that the future looks hopeful and promising)

DE18848 (NonDayton only -- How much of the time did you feel relaxed and free of tension during the past month)

DE18849 (NonDayton only -- During the past month, how much of the time have you generally enjoyed the things you do)

DE18853 (NonDayton only -- When you got up in the morning, this past month, how often did you expect an interesting day) (cont.)

```
VARIABLE POSWB (cont.)

INPUT VARIABLES (cont.)

DE18865 (NonDayton only -- How much of the time has living been
a wonderful adventure for you during the past month)
DE18872 (NonDayton only -- How much of the time were you a happy
person during the past month)

CONSTRUCTION
(Dayton)
  Reversals: DE13956, DE13957, DE13959, DE14479
  TEMP = DE13956 + DE13957 + DE13959 + DE14479
  POSWB = ((TEMP - MIN)/(MAX - MIN)) * 100
           WHERE MIN=4
                MAX=24

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

(NonDayton)
  Reversals: DE13956, DE13957, DE13959, DE14479, DE18846,
            DE18848, DE18849, DE18853, DE18865, DE18872
  TEMP = DE13956 + DE13957 + DE13959 + DE14479 + DE18846 +
            DE18848 + DE18849 + DE18853 + DE18865 + DE18872
           (cont.)
```

VARIABLE POSWB (cont.)

CONSTRUCTION (cont.)

POSWB = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=10
MAX=60

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE POSWBX ADULT HSA
MENTAL HEALTH

Positive Well-Being at Exit

CODES

- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse

POSWBX measures positive well-being during the month preceding exit. POSWBX is based on 10 of the set of 38 input variables used in MIIX; those 10 focus on positive attitudes toward life. Higher values indicate that the participant felt more cheerful, calm, and fresh.

INPUT VARIABLES

DE13956 (Has your daily life been full of things that were interesting to you during the past month)

DE13957 (Have you been waking up feeling fresh and rested during the past month)

DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)

DE14479 (Have you felt calm and peaceful during the past month)

DE18846 (During the past month, how much of the time have you felt that the future looks hopeful and promising)

(cont.)

POSWBX

NUMBER OF OBSERVATIONS 5084
NUMBER OF MISSING 787
MEAN 64.63
MEDIAN 68.00
MINIMUM VALUE 0.00
MAXIMUM VALUE 100.00
STANDARD DEVIATION 18.00
COEFFICIENT OF VARIATION 27.85
SKEWNESS -0.66
KURTOSIS -0.09

VARIABLE POSWBX (cont.)

INPUT VARIABLES (cont.)

DE18848 (How much of the time did you feel relaxed and free of
tension during the past month)
DE18849 (During the past month, how much of the time have you
generally enjoyed the things you do)
DE18853 (When you got up in the morning, this past month, how often
did you expect an interesting day)
DE18865 (How much of the time has living been a wonderful
adventure for you during the past month)
DE18872 (How much of the time were you a happy person during the
past month)

CONSTRUCTION

Reversals: DE13956, DE13957, DE13959, DE14479, DE18846,

DE18848, DE18849, DE18853, DE18865, DE18872

TEMP = DE13956 + DE13957 + DE13959 + DE14479 + DE18846 +

DE18848 + DE18849 + DE18853 + DE18865 + DE18872

POSWBX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=10
MAX=60

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

TIES	VALUE	FREQ	CUM FREQ	%	CUM %
	0	983	52	1.06	1.06
	10	52	174	2.50	3.56
	20	122	361	3.83	7.39
	30	187	580	4.48	11.87
	40	219	913	6.81	18.68
	50	333	1261	7.12	25.80
	60	348	1693	8.84	34.64
	70	432	2153	9.41	44.05
	80	460	3293	23.32	67.37
	90	1140	4033	15.14	82.51
	100	740	4888	17.49	100.00

VARIABLE TIES ADULT HSA
MENTAL HEALTH

Interpersonal Ties at Enrollment

CODES

- Missing includes those under 14 years, those in Dayton with no MIQB, those in nonDayton sites with no MIQA, and item nonresponse

TIES measures the strength of interpersonal ties during the month preceding enrollment. TIES is based on 3 of the set of 45 input variables used in MIH; those focus on the participant's relationships with other people. Higher values indicate that the participant felt more loved and wanted, with a full and complete love life.

INPUT VARIABLES

DE14478 (Dayton MIQB only -- Was your love/sex life full and complete during the past month? 1.All of the time 2.Most of the time 3.A good bit of the time 4.Some of the time 5.A little of the time 6.None of the time)

DE14491 (How much of the time have you felt loved and wanted during the past month)

DE18863 (NonDayton only -- During the past month, how much of the time did you feel that your love relationships, loving and being loved, were full and complete)

CONSTRUCTION

(Dayton)

Reversals: DE14478, DE14491

TEMP = DE14478 + DE14491

TIES = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=12

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(cont.)

VARIABLE TIES (cont.)

CONSTRUCTION (cont.)

(NonDayton)

Reversals: DE14491, DE18863

TEMP = DE14491 + DE18863

TIES = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=12

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	TIESX	ADULT HSA MENTAL HEALTH
Interpersonal Ties at Exit		
CODES		
. = Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
TIESX measures the strength of interpersonal ties during the month preceding exit. TIESX is based on 2 of the set of 38 input variables used in MHIX; those 2 focus on the participant's relationships with other people. Higher values indicate that the participant felt more loved and wanted, with a full and complete love life.		
(cont.)		

TIESX
VALUE

789	FREQ	CUM FREQ	%	CUM %
0	57	57	1.12	1.12
10	106	163	2.09	3.21
20	169	332	3.33	6.53
30	223	555	4.39	10.92
40	315	870	6.20	17.12
50	298	1168	5.86	22.98
60	376	1544	7.40	30.38
70	457	2001	8.99	39.37
80	1387	3388	27.29	66.67
90	757	4145	14.90	81.56
100	937	5082	18.44	100.00

VARIABLE TIESX (cont.)

INPUT VARIABLES

DE14491 (How much of the time have you felt loved and wanted
during the past month)
DE18863 (During the past month, how much of the time did you feel
that your love relationships, loving and being loved,
were full and complete)

CONSTRUCTION

Reversals: DE14491, DE18863

TEMP = DE14491 + DE18863

TIESX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=12

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

EMINS

NUMBER OF OBSERVATIONS	5134
NUMBER OF MISSING	737
MEAN	15.05
MEDIAN	11.40
MINIMUM VALUE	0.00
MAXIMUM VALUE	86.40
STANDARD DEVIATION	12.89
COEFFICIENT OF VARIATION	85.61
SKEWNESS	1.44
KURTOSIS	2.67

VARIABLE	EMINS	ADULT HSA MENTAL HEALTH
Emotional Instability at Enrollment		
CODES		
- Missing includes those under 14 years, those with no MHQA, and item nonresponse		
EMINS measures emotional instability during the month preceding enrollment. EMINS is based on 9 of the set of 45 input variables used in MHI; those 9 focus on symptoms of emotional instability. Higher values indicate a more pronounced absence of control over behavior, thoughts, and feelings and presence of feelings of having nothing to look forward to.		

INPUT VARIABLES

DE13944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)

DE13948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month)

DE13958 (Have you been feeling emotionally stable and sure of yourself during the past month)

DE18857 (NonDayton only -- How often did you feel that you had nothing to look forward to during the past month)

DE18859 (NonDayton only -- How often have you felt like crying during the past month)

DE18861 (NonDayton only -- During the past month, how often did you feel that others would be better off if you were dead)

DE18864 (NonDayton only -- How often, during the past month, did you feel that nothing turned out for you the way you wanted it to)

DE18867 (NonDayton only -- How often, during the past month, have you felt so down in the dumps that nothing could cheer you up)

DE18868 (NonDayton only -- Did you ever think about taking your own life during the past month)

(cont.)

VARIABLE F(MINS (cont.))

CONSTRUCTION

(Dayton)

TEMP = DE13944 + DE13948 + DE13958

F(MINS = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=18

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(NonDayton)

Reversals: DE18857, DE18859, DE18861, DE18864, DE18867,

DE18868

TEMP = DE13944 + DE13948 + DE13958 + DE18857 + DE18859 +

DE18861 + DE18864 + DE18867 + DE18868

F(MINS = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=53

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

EMINSX

NUMBER OF OBSERVATIONS	5084
NUMBER OF MISSING	787
MEAN	14.35
MEDIAN	11.40
MINIMUM VALUE	0.00
MAXIMUM VALUE	93.20
STANDARD DEVIATION	12.30
COEFFICIENT OF VARIATION	85.72
SKEWNESS	1.59
KURTOSIS	3.46

VARIABLE EMINSX ADULT HSA
MENTAL HEALTH

Emotional Instability at Exit

CODES

. - Missing includes those not completing the experiment,
those with no MHQA, and item nonresponse

EMINSX measures emotional instability during the month preceding exit. EMINSX is based on 9 of the set of 38 input variables used in MHIX; those 9 focus on symptoms of emotional instability. Higher values indicate a more pronounced absence of control over behavior, thoughts, and feelings and presence of feelings of having nothing to look forward to.

INPUT VARIABLES

DEI3944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)
DEI3948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month)
DEI3958 (Have you been feeling emotionally stable and sure of yourself during the past month)
DEI8857 (How often did you feel that you had nothing to look forward to during the past month)
DEI8859 (How often have you felt like crying during the past month)
DEI8861 (During the past month, how often did you feel that others would be better off if you were dead)
DEI8864 (How often, during the past month, did you feel that nothing turned out for you the way you wanted it to)
DEI8867 (How often, during the past month, have you felt so down in the dumps that nothing could cheer you up)
DEI8868 (Did you ever think about taking your own life during the past month)

CONSTRUCTION

Reversals: DEI8857, DEI8859, DEI8861, DEI8864, DEI8867,
DEI8868

(cont.)

VARIABLE EMINSX (cont.)

CONSTRUCTION (cont.)

TEMP = DE13944 + DE13948 + DE13958 + DE18857 + DE18859

DE18861 + DE18864 + DE18867 + DE18868

EMINSX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=53

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE PWB

Psychological Well-Being at Enrollment

CODES

• Missing includes those under 14 years; those with no MHQA; and item nonresponse

PWB measures psychological well-being during the month preceding enrollment. PWB is based on 14 of the set of 45 input variables used in MHI; those 14 focus on the participant's peace of mind and fundamental happiness. Higher values indicate that the participant felt more cheerful, loved, and contented. PWB is similar to POSWB, but adds questions about satisfaction with personal life and interpersonal ties.

INPUT VARIABLES

DE13942 (How happy, satisfied, or pleased have you been with your personal life during the past month)
DE13956 (Has your daily life been full of things that were interesting to you during the past month) (cont.)

PWB

NUMBER OF OBSERVATIONS 5135
NUMBER OF MISSING 736
MEAN 64.25
MEDIAN 67.10
MINIMUM VALUE 2.90
MAXIMUM VALUE 100.00
STANDARD DEVIATION 17.53
COEFFICIENT OF VARIATION 27.29
SKEWNESS -0.59
KURTOSIS -0.15

VARIABLE PWB (cont.)

INPUT VARIABLES (cont.)

DE13957 (Have you been waking up feeling fresh and rested during the past month)
 DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)
 DE14479 (How much of the time, during the past month, have you felt calm and peaceful?)
 DE14491 (NonDayton only -- How much of the time have you felt loved and wanted during the past month)
 DE18846 (NonDayton only -- During the past month, how much of the time have you felt that the future looks hopeful and promising)
 DE18848 (NonDayton only -- How much of the time did you feel relaxed and free of tension during the past month)
 DE18849 (NonDayton only -- During the past month, how much of the time have you generally enjoyed the things you do)
 DE18853 (NonDayton only -- When you got up in the morning, this past month, how often did you expect an interesting day)
 DE18862 (NonDayton only -- How much of the time were you able to relax without difficulty during the past month)
 DE18863 (NonDayton only -- During the past month, how much of the time did you feel that your love relationships, loving and being loved, were full and complete)
 DE18865 (NonDayton only -- How much of the time has living been a wonderful adventure for you during the past month)
 DE18872 (NonDayton only -- How much of the time were you a happy person during the past month)

CONSTRUCTION

{Dayton}

Reversals: DE13942, DE13956, DE13957, DE13959, DE14479

TEMP = DE13942 + DE13956 + DE13957 + DE13959 + DE14479

PWB = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=5
 MAX=30

The result was rounded to the nearest tenth. (cont.)

VARIABLE PWB (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(NonDayton)

Reversals: DE13942, DE13956, DE13957, DE13959, DE14479,
DE14491, DE18846, DE18848, DE18849, DE18853,
DE18862, DE18863, DE18865, DE18872

TEMP = DE13942 + DE13956 + DE13957 + DE13959 + DE14479 +
DE14491 + DE18846 + DE18848 + DE18849 + DE18853 +
DE18862 + DE18863 + DE18865 + DE18872

PWB = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=14
MAX=84

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

PWBX

NUMBER OF OBSERVATIONS	5084
NUMBER OF MISSING	787
MEAN	66.29
MEDIAN	70.00
MINIMUM VALUE	1.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	17.71
COEFFICIENT OF VARIATION	26.71
SKEWNESS	-0.72
KURTOSIS	0.04

VARIABLE	PWBX	ADULT HSA MENTAL HEALTH
Psychological Well-Being at Exit		
CODES		
<p>- Missing includes those not completing the experiment, those with no MHA, and item nonresponse</p> <p>PWBX measures psychological well-being during the month preceding exit. PWBX is based on 14 of the set of 38 input variables used in MHA; those 14 focus on the participant's peace of mind and fundamental happiness. Higher values indicate that the participant felt more cheerful, loved, and contented. PWBX is similar to PSWBX, but adds questions about satisfaction with personal life and interpersonal ties.</p>		

INPUT VARIABLES

DE13942 (How happy, satisfied, or pleased have you been with your personal life during the past month)

DE13956 (Has your daily life been full of things that were interesting to you during the past month)

DE13957 (Have you been waking up feeling fresh and rested during the past month)

DE13959 (How much of the time have you felt cheerful, light-hearted during the past month)

DE14479 (Have you felt calm and peaceful during the past month)

DE14491 (How much of the time have you felt loved and wanted during the past month)

DE18846 (During the past month, how much of the time have you felt that the future looks hopeful and promising)

DE18848 (How much of the time did you feel relaxed and free of tension during the past month)

DE18849 (During the past month, how much of the time have you generally enjoyed the things you do)

DE18853 (When you got up in the morning, this past month, how often did you expect an interesting day)

DE18862 (How much of the time were you able to relax without difficulty during the past month)

DE18863 (During the past month, how much of the time did you feel that your love relationships, loving and being loved, were full and complete)

(cont.)

VARIABLE PWBX (cont.)

INPUT VARIABLES (cont.)

DE18865 (How much of the time has living been a wonderful
adventure for you during the past month)
DE18872 (How much of the time were you a happy person during the
past month)

CONSTRUCTION

Reversals: DE13942, DE13956, DE13957, DE13959, DE14479,
DE14491, DE18846, DE18848, DE18849, DE18853,
DE18862, DE18863, DE18865, DE18872

TEMP = DE13942 + DE13956 + DE13957 + DE13959 + DE14479 +
DE14491 + DE18846 + DE18848 + DE18849 + DE18853 +
DE18862 + DE18863 + DE18865 + DE18872

PWBX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=14
MAX=84

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

PSYDS	5135
NUMBER OF OBSERVATIONS	736
NUMBER OF MISSING	19.78
MEAN	16.90
MEDIAN	0.00
MINIMUM VALUE	85.60
MAXIMUM VALUE	13.14
STANDARD DEVIATION	66.45
COEFFICIENT OF VARIATION	1.23
SKWNESS	2.03
KURTOSIS	

ADULT HSA
MENTAL HEALTH

Psychological Distress at Enrollment

CODES

- Missing includes those under 14 years, those with no MIQA, and item nonresponse

PSYDS measures psychological distress during the month preceding enrollment. PSYDS is based on 29 of the set of 45 input variables used in MII; those 29 focus on symptoms of anxiety and depression. Higher values indicate that the participant felt more strained, downhearted, and unstable.

INPUT VARIABLES

DE13939 (Have you been bothered by nervousness or "nerves" during the past month)
 DE13943 (Dayton only -- Have you been under, or felt under, any strain, stress, or pressure during the past month)
 DE13944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)
 DE13945 (Dayton only -- During the past month did you feel depressed)
 DE13946 (Have you been anxious, worried, or upset during the past month)
 DE13948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month)
 DE13949 (Dayton only -- Did you feel relaxed, at ease, or high strung, tight, or keyed up during the past month)
 DE13950 (Dayton only -- Have you felt so sad, discouraged, hopeless, or had so many problems that you wondered if anything was worthwhile during the past month)
 DE13952 (Dayton only -- Were you generally tense or did you feel any tension during the past month)
 DE13954 (Have you felt downhearted and blue during the past month)
 DE13958 (Have you been feeling emotionally stable and sure of yourself during the past month)
 DE14477 (NonDayton only -- How much of the time have you felt lonely during the past month)
 DE14483 (NonDayton only -- Have you been moody or brooded about things during the past month)

(cont.)

VARIABLE PSYDS (cont.)

INPUT VARIABLES (cont.)

```

DE1886 (NonDayton only -- Have you felt restless, fidgety, or
impatient during the past month)
DE18845 (NonDayton only -- How often did you become nervous or
jumpy when faced with excitement or unexpected situations
during the past month)
DE18851 (NonDayton only -- Did you feel depressed during the past
month)
DE18852 (NonDayton only -- How much of the time have you been very
nervous during the past month)
DE18855 (NonDayton only -- How much of the time have you felt
tense or high strung during the past month)
DE18856 (NonDayton only -- How often did your hands shake when you
tried to do something during the past month)
DE18857 (NonDayton only -- How often did you feel that you had
nothing to look forward to during the past month)
DE18859 (NonDayton only -- How often have you felt like crying
during the past month)
DE18861 (NonDayton only -- During the past month, how often did
you feel that others would be better off if you were dead)
DE18864 (NonDayton only -- How often, during the past month, did
you feel that nothing turned out for you the way you
wanted it to)
DE18867 (NonDayton only -- How often, during the past month, have
you felt so down in the dumps that nothing could cheer
you up)
DE18868 (NonDayton only -- Did you ever think about taking your
own life during the past month)
DE18870 (NonDayton only -- How often did you get rattled, upset,
or flustered during the past month)
DE18873 (NonDayton only -- How often, during the past month, did
you find yourself having difficulty trying to calm down)
DE18874 (NonDayton only -- How much of the time have you been in
low or very low spirits during the past month)
DE18875 (NonDayton only -- Have you been under, or felt under, any
strain, stress, or pressure during the past month)

```

CONSTRUCTION

(Dayton)

Reversals: DE13939, DE13943, DE13945, DE13946, DE13950,
DE13952, DE13954

(cont.)

VARIABLE PSYDS (cont.)

CONSTRUCTION (cont.)

TEMP = DE13939 + DE13943 + DE13944 + DE13945 + DE13946 +
 DE13948 + DE13949 + DE13950 + DE13952 + DE13954 +
 DE13958

PSYDS = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=11
 MAX=66

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

{NonDayLon}

Reversals: DE13939, DE13946, DE13954, DE14477, DE14483,
 DE14486, DE18845, DE18851, DE18852, DE18855,
 DE18856, DE18857, DE18859, DE18861, DE18864,
 DE18867, DE18868, DE18870, DE18873, DE18874,
 DE18875

TEMP = DE13939 + DE13944 + DE13946 + DE13948 + DE13954 +
 DE13958 + DE14477 + DE14483 + DE14486 + DE18845 +
 DE18851 + DE18852 + DE18855 + DE18856 + DE18857 +
 DE18859 + DE18861 + DE18864 + DE18867 + DE18868 +
 DE18870 + DE18873 + DE18874 + DE18875

(cont.)

VARIABLE PSYDS (cont.)

CONSTRUCTION (cont.)

PSYDS = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=24
MAX=142

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

PSYDSX

NUMBER OF OBSERVATIONS	5084
NUMBER OF MISSING	787
MEAN	18.09
MEDIAN	15.30
MINIMUM VALUE	0.00
MAXIMUM VALUE	97.50
STANDARD DEVIATION	12.73
COEFFICIENT OF VARIATION	70.36
SKEWNESS	1.34
KURTOSIS	2.55

VARIABLE	PSYDSX	ADULT HISA
		MENTAL HEALTH

Psychological Distress at Exit

CODES

. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse

PSYDSX measures psychological distress during the month preceding exit. PSYDSX is based on 24 of the set of 38 input variables used in MHIX; those 24 focus on symptoms of anxiety and depression. Higher values indicate that the participant felt more strained, downhearted, and unstable.

INPUT VARIABLES

DE13939 (Have you been bothered by nervousness or "nerves" during the past month)

DE13944 (Have you been in firm control of your behavior, thoughts, emotions, feelings during the past month)

DE13946 (Have you been anxious, worried, or upset during the past month)

DE13948 (Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory during the past month) (cont.)

VARIABLE PSYDSX (cont.)

INPUT VARIABLES (cont.)

DE13950 (Have you felt downhearted and blue during the past month)
 DE13958 (Have you been feeling emotionally stable and sure of yourself during the past month)
 DE14077 (How much of the time have you felt lonely during the past month)
 DE14483 (Have you been moody or brooded about things during the past month)
 DE14486 (Have you felt restless, fidgety, or impatient during the past month)
 DE18845 (How often did you become nervous or jumpy when faced with excitement or unexpected situations during the past month)
 DE18851 (Did you feel depressed during the past month)
 DE18852 (How much of the time have you been very nervous during the past month)
 DE18855 (How much of the time have you felt tense or high strung during the past month)
 DE18856 (How often did your hands shake when you tried to do something during the past month)
 DE18857 (How often did you feel that you had nothing to look forward to during the past month)
 DE18859 (How often have you felt like crying during the past month)
 DE18861 (During the past month, how often did you feel that others would be better off if you were dead)
 DE18864 (How often, during the past month, did you feel that nothing turned out for you the way you wanted it to)
 DE18867 (How often, during the past month, have you felt so down in the dumps that nothing could cheer you up)
 DE18868 (Did you ever think about taking your own life during the past month)
 DE18870 (How often did you get rattled, upset, or flustered during the past month)
 DE18873 (How often, during the past month, did you find yourself having difficulty trying to calm down)
 DE18874 (How much of the time have you been in low or very low spirits during the past month)
 DE18875 (Have you been under, or felt under, any strain, stress, or pressure during the past month)

CONSTRUCTION

Reversals: DE13939, DE13946, DE13954, DE14477, DE14483,
 DE14486, DE18845, DE18851, DE18852, DE18855,
 DE18856, DE18857, DE18859, DE18861, DE18864,
 DE18867, DE18868, DE18870, DE18873, DE18874,
 DE18875
 (cont.)

VARIABLE PSYDSX (cont.)

CONSTRUCTION (cont.)

TEMP = DE13939 + DE13944 + DE13946 + DE13948 + DE13954 +
 DE13958 + DE14477 + DE14483 + DE14486 + DE18845 +
 DE18851 + DE18852 + DE18855 + DE18856 + DE18857 +
 DE18859 + DE18861 + DE18864 + DE18867 + DE18868 +
 DE18870 + DE18873 + DE18874 + DE18875

PSYDSX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=24
 MAX=142

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

LIFE	VALUE	FREQ	CUM FREQ	%	CUM %
	0	774	77	1.50	1.50
	20	139	216	2.71	4.21
	40	920	1136	17.94	22.16
	60	1690	2826	32.96	55.12
	80	1798	4624	35.07	90.19
	100	503	5127	9.81	100.00

VARIABLE	LIFE	ADULT HSA MENTAL HEALTH
Life Satisfaction at Enrollment		
CODES		
. - Missing includes those under 14 years, those with no MHQA, and item nonresponse		
LIFE measures satisfaction with life at the time of enrollment. LIFE is based on one of the set of 45 input variables used in MHQ; that one focuses on contentment. Higher values indicate that the participant felt greater happiness with his personal life.		

INPUT VARIABLE

DE13942 (How happy, satisfied, or pleased have you been with
your personal life during the past month)

CONSTRUCTION

Reversal: DE13942

LIFE = ((DE13942 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=6

```

VARIABLE  LIFEX                                ADULT HSA
                                                MENTAL HEALTH

Life Satisfaction at Exit

CODES

. - Missing includes those not completing the experiment,
   those with no MIQA, and item nonresponse

LIFEX measures satisfaction with life at the time of exit.
LIFEX is based on one of the set of 38 input variables used in
MIIX; that one focuses on contentment. Higher values indicate
that the participant felt greater happiness with his personal
life.
    
```

INPUT VARIABLE

DE13942 (How happy, satisfied, or pleased have you been with your personal life during the past month)

CONSTRUCTION

```

Reversal:  DE13942

LIFEX = ((DE13942 - MIN)/(MAX - MIN)) * 100
WHERE MIN=1
      MAX=6
    
```

LIFEX VALUE	FREQ	CUM FREQ	%	CUM %
.	795			
0	64	64	1.26	1.26
20	142	206	2.80	4.06
40	722	928	14.22	18.28
60	1683	2611	33.16	51.44
80	1910	4521	37.63	89.07
100	555	5076	10.93	100.00

SOCIND	4360
NUMBER OF OBSERVATIONS	1511
NUMBER OF MISSING	51.67
MEAN	52.20
MEDIAN	0.00
MINIMUM VALUE	98.20
MAXIMUM VALUE	15.84
STANDARD DEVIATION	30.65
COEFFICIENT OF VARIATION	-0.20
SKEWNESS	-0.05
KURTOSIS	

VARIABLE	SOCIND	ADULT HSA SOCIAL HEALTH
Index of Social Health at Enrollment		
CODES		
. - Missing includes those under 14 years, all Dayton participants, those with no MIQA, and item nonresponse		
SOCIND rates, at enrollment, the frequency of social contacts, amount of group participation, and number of social resources available to the participant. Higher values indicate more favorable social health. SOCIND is based on a set of nine input variables. Two other measures -- SOCONT and GROUP -- are based on subsets of the same nine input variables.		

INPUT VARIABLES

DE18876 (NonDayton only -- About how many families in your neighborhood are you well enough acquainted with that you visit each other in your homes)

DE18877 (NonDayton only -- About how many close friends or relatives do you have, people you can feel at ease with and can talk with about what is on your mind)

DE18878 (NonDayton only -- Over a year's time, about how often do you get together with friends or relatives, like going out together or visiting in each other's homes)

DE18879 (NonDayton only -- During the past month, about how often have you had friends over to your home)

DE18880 (NonDayton only -- About how often have you visited with friends at their homes during the past month)

DE18881 (NonDayton only -- About how often were you on the telephone with close friends or relatives during the past month)

DE18884 (NonDayton only -- How often have you attended a religious service during the past month)

DE18885 (NonDayton only -- About how many volunteer groups or organizations do you belong to, like church groups, clubs or lodges, parent groups, etc.)

DE18886 (NonDayton only -- How active are you in the affairs of these groups or clubs you belong to)

(cont.)

VARIABLE SOCIND (cont.)

CONSTRUCTION

STEP 1:

Variables were recoded:

```

REC8876 = 1 IF DE18876 = 0
          = 2 IF DE18876 = 1
          = 3 IF DE18876 = 2
          = 4 IF DE18876 = 3
          = 5 IF DE18876 = 4
          = 6 IF DE18876 = 5-10
          = 7 IF DE18876 = 11 OR MORE

REC8877 = 1 IF DE18877 = 0
          = 2 IF DE18877 = 1
          = 3 IF DE18877 = 2
          = 4 IF DE18877 = 3
          = 5 IF DE18877 = 4
          = 6 IF DE18877 = 5-9
          = 7 IF DE18877 = 10-20
          = 8 IF DE18877 = 21-25
          = 9 IF DE18877 = 26-35
          = 10 IF DE18877 = 36 OR MORE

REC8878 = 1 IF DE18878 = 7
          = 2 IF DE18878 = 5 OR 6
          = 3 IF DE18878 = 4
          = 4 IF DE18878 = 1 OR 2 OR 3

REC8879 = 1 IF DE18879 = 6
          = 2 IF DE18879 = 5
          = 3 IF DE18879 = 1 OR 2 OR 3 OR 4

REC8880 = 1 IF DE18880 = 6
          = 2 IF DE18880 = 4 OR 5
          = 3 IF DE18880 = 1 OR 2 OR 3

REC8881 = 1 IF DE18881 = 6
          = 2 IF DE18881 = 5
          = 3 IF DE18881 = 3 OR 4
          = 4 IF DE18881 = 2
          = 5 IF DE18881 = 1

REC8884 = 1 IF DE18884 = 6
          = 2 IF DE18884 = 5
          = 3 IF DE18884 = 4
          = 4 IF DE18884 = 3
          = 5 IF DE18884 = 1 OR 2

```

(cont.)

VARIABLE SOCIND (cont.)

CONSTRUCTION (cont.)

REC8885 = 1 IF DE18885 = 0
 = 2 IF DE18885 = 1
 = 3 IF DE18885 = 2
 = 4 IF DE18885 = 3
 = 5 IF DE18885 = 4
 = 6 IF DE18885 = 5 OR MORE

REC8886 = 1 IF DE18886 = 4
 = 2 IF DE18886 = 3
 = 3 IF DE18886 = 2
 = 4 IF DE18886 = 1

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

Z8876 = (REC8876 - 3.506)/1.900
 Z8877 = (REC8877 - 5.624)/1.793
 Z8878 = (REC8878 - 3.236)/0.974
 Z8879 = (REC8879 - 2.567)/0.737
 Z8880 = (REC8880 - 2.299)/0.681
 Z8881 = (REC8881 - 3.654)/1.018
 Z8884 = (REC8884 - 2.216)/1.475
 Z8885 = (REC8885 - 2.034)/1.322
 Z8886 = (REC8886 - 2.124)/1.223

STEP 3:

The standardized recoded variables were summed:

TEMP = Z8876 + Z8877 + Z8878 + Z8879 + Z8880 +
 Z8881 + Z8884 + Z8885 + Z8886
 (cont.)

VARIABLE SOCIND (cont.)

CONSTRUCTION (cont.)

STEP 4:

The final scores were transformed to a 0-100 scale:

$SOCIND = ((TEMP - MIN)/(MAX - MIN)) * 100$

WHERE MIN=-15.359
MAX=14.424

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

SOCINDX

NUMBER OF OBSERVATIONS 5084
NUMBER OF MISSING 787
MEAN 51.03
MEDIAN 51.60
MINIMUM VALUE 0.00
MAXIMUM VALUE 100.00
STANDARD DEVIATION 15.84
COEFFICIENT OF VARIATION 31.04
SKEWNESS -0.23
KURTOSIS -0.07

ADULT HSA
SOCIAL HEALTH

Index of Social Health at Exit

CODES

. - Missing includes those not completing the experiment, those with no MIHQ, and item nonresponse

SOCINDX rates, at exit, the frequency of social contacts, amount of group participation, and number of social resources available to the participant. Higher values indicate more favorable social health. SOCINDX is based on a set of nine input variables. Two other measures -- SOCNTX and GROUPX -- are based on subsets of the same nine input variables.

INPUT VARIABLES

DE18876 (About how many families in your neighborhood are you well enough acquainted with that you visit each other in your homes)

DE18877 (About how many close friends or relatives do you have, people you can feel at ease with and can talk with about what is on your mind)

(cont.)

VARIABLE SOCINDX (cont.)

INPUT VARIABLES (cont.)

DE18878 (Over a year's time, about how often do you get together with friends or relatives, like going out together or visiting in each other's homes)
 DE18879 (During the past month, about how often have you had friends over to your home)
 DE18880 (About how often have you visited with friends at their homes during the past month)
 DE18881 (About how often were you on the telephone with close friends or relatives during the past month)
 DE18884 (How often have you attended a religious service during the past month)
 DE18885 (About how many volunteer groups or organizations do you belong to, like church groups, clubs or lodges, parent groups, etc.)
 DE18886 (How active are you in the affairs of these groups or clubs you belong to)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8876 = 1 IF DE18876 = 0
 = 2 IF DE18876 = 1
 = 3 IF DE18876 = 2
 = 4 IF DE18876 = 3
 = 5 IF DE18876 = 4
 = 6 IF DE18876 = 5-10
 = 7 IF DE18876 = 11 OR MORE

 REC8877 = 1 IF DE18877 = 0
 = 2 IF DE18877 = 1
 = 3 IF DE18877 = 2
 = 4 IF DE18877 = 3
 = 5 IF DE18877 = 4
 = 6 IF DE18877 = 5-9
 = 7 IF DE18877 = 10-20
 = 8 IF DE18877 = 21-25
 = 9 IF DE18877 = 26-35
 = 10 IF DE18877 = 36 OR MORE

(cont.)

VARIABLE SOCINDEX (cont.)

CONSTRUCTION (cont.)

REC8878 = 1 IF DE18878 = 7
= 2 IF DE18878 = 5 OR 6
= 3 IF DE18878 = 4
= 4 IF DE18878 = 1 OR 2 OR 3

REC8879 = 1 IF DE18879 = 6
= 2 IF DE18879 = 5
= 3 IF DE18879 = 1 OR 2 OR 3 OR 4

REC8880 = 1 IF DE18880 = 6
= 2 IF DE18880 = 4 OR 5
= 3 IF DE18880 = 1 OR 2 OR 3

REC8881 = 1 IF DE18881 = 6
= 2 IF DE18881 = 5
= 3 IF DE18881 = 3 OR 4
= 4 IF DE18881 = 2
= 5 IF DE18881 = 1

REC8884 = 1 IF DE18884 = 6
= 2 IF DE18884 = 5
= 3 IF DE18884 = 4
= 4 IF DE18884 = 3
= 5 IF DE18884 = 1 OR 2

REC8885 = 1 IF DE18885 = 0
= 2 IF DE18885 = 1
= 3 IF DE18885 = 2
= 4 IF DE18885 = 3
= 5 IF DE18885 = 4
= 6 IF DE18885 = 5 OR MORE

REC8886 = 1 IF DE18886 = 4
= 2 IF DE18886 = 3
= 3 IF DE18886 = 2
= 4 IF DE18886 = 1

(cont.)

VARIABLE SOCINDX (cont.)

CONSTRUCTION (cont.)

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

Z8876 = (REC8876 - 3.506)/1.900

Z8877 = (REC8877 - 5.624)/1.793

Z8878 = (REC8878 - 3.236)/0.974

Z8879 = (REC8879 - 2.567)/0.737

Z8880 = (REC8880 - 2.299)/0.681

Z8881 = (REC8881 - 3.654)/1.018

Z8884 = (REC8884 - 2.216)/1.475

Z8885 = (REC8885 - 2.034)/1.322

Z8886 = (REC8886 - 2.124)/1.223

STEP 3:

The standardized recoded variables were summed:

TEMP = Z8876 + Z8877 + Z8878 + Z8879 + Z8880 +

Z8881 + Z8884 + Z8885 + Z8886

STEP 4:

The final scores were transformed to a 0-100 scale:

SOCINDX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=-15.359
MAX=14.424

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	SOCNT	VALUE	FREQ	CUM FREQ	%	CUM %
SOCIAL CONTACTS AT ENROLLMENT						
CODES						
- Missing includes those under 14 years, all Dayton participants, those with no MIQA, and item nonresponse						
SOCNT measures the frequency with which the participant visited with friends or relatives during the year preceding enrollment. SOCNT is based on three of the set of nine input variables used in SOCIND; those three focus on social contacts. Higher values indicate more frequent social contacts.						
	1515	0	86	86	1.97	1.97
	107	11.8	193	289	2.46	4.43
	13	15.5	206	495	0.30	4.73
	36	16.8	242	737	0.83	5.56
	47	23.5	289	1026	1.08	6.64
	42	27.3	331	1357	0.96	7.60
	93	28.6	424	1781	2.14	9.73
	14	31.1	438	2219	0.32	10.06
	31	32.4	469	2688	0.71	10.77
	7	33.6	476	3164	0.16	10.93
	62	35.3	538	3702	1.42	12.35
	1	37.5	539	4241	0.02	12.37
	15	39.1	554	4795	0.34	12.72
	70	40.3	624	5419	1.61	14.33
	33	42.9	657	6076	0.76	15.08
	1	43.2	658	6734	0.02	15.11
	175	44.1	833	7567	4.02	19.12
	12	45.4	845	8412	0.28	19.40
	42	47.9	887	9299	0.96	20.36
	20	50.8	907	10206	0.46	20.82
	51	52.1	958	11164	1.17	21.99
	32	54.6	990	12154	0.74	22.73
	1	55.1	991	13145	0.02	22.75
	127	55.9	1118	14263	2.92	25.67
	10	57.2	1128	15391	0.23	25.90
	242	59.7	1370	16761	5.56	31.45
	11	60.9	1381	18142	0.25	31.70
	30	64.7	1411	19553	0.69	32.39
	45	66.4	1456	21009	1.03	33.43
	101	67.6	1557	22566	2.32	35.74
	39	68.9	1596	24162	0.90	36.64
	380	71.4	1976	26138	8.72	45.36
	21	72.7	1997	28135	0.48	45.85
	2	75.1	1999	30134	0.05	45.89
	96	76.5	2095	32229	2.20	48.10
	615	83.2	2710	34939	14.12	62.21
	41	84.5	2751	37690	0.94	63.15
	179	88.2	2930	40620	4.11	67.26
	3	96.1	2933	43553	0.07	67.33
	1423	100	4356	47909	32.67	100.00

VARIABLE	SOCNT	ADULT HSA SOCIAL HEALTH
Social Contacts at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no MIQA, and item nonresponse		
SOCNT measures the frequency with which the participant visited with friends or relatives during the year preceding enrollment. SOCNT is based on three of the set of nine input variables used in SOCIND; those three focus on social contacts. Higher values indicate more frequent social contacts.		

INPUT VARIABLES

DE18878 (NonDayton only -- Over a year's time, about how often do you get together with friends or relatives, like going out together or visiting in each other's homes)
 DE18879 (NonDayton only -- During the past month, about how often have you had friends over to your home)
 DE18880 (NonDayton only -- About how often have you visited with friends at their homes during the past month)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8878 = 1 IF DE18878 = 7 OR 6
 = 2 IF DE18878 = 5 OR 6
 = 3 IF DE18878 = 4
 = 4 IF DE18878 = 1 OR 2 OR 3
 REC8879 = 1 IF DE18879 = 6
 = 2 IF DE18879 = 5
 = 3 IF DE18879 = 1 OR 2 OR 3 OR 4

REC8880 = 1 IF DE18880 = 6
 = 2 IF DE18880 = 4 OR 5
 = 3 IF DE18880 = 1 OR 2 OR 3

(cont.)

VARIABLE SOCONT (cont.)

CONSTRUCTION (cont.)

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

$$Z8878 = (\text{REC8878} - 3.236) / 0.974$$

$$Z8879 = (\text{REC8879} - 2.567) / 0.737$$

$$Z8880 = (\text{REC8880} - 2.299) / 0.681$$

STEP 3:

The standardized recoded variables were summed:

$$\text{TEMP} = Z8878 + Z8879 + Z8880$$

STEP 4:

The final scores were transformed to a 0-100 scale:

$$\text{SOCONT} = ((\text{TEMP} - \text{MIN}) / (\text{MAX} - \text{MIN})) * 100$$

$$\begin{array}{l} \text{WHERE MIN} = -6.329 \\ \text{MAX} = 2.401 \end{array}$$

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE SOCONTX (cont.)

CONSTRUCTION (cont.)

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

$$Z8878 = (REC8878 - 3.236) / 0.974$$

$$Z8879 = (REC8879 - 2.567) / 0.737$$

$$Z8880 = (REC8880 - 2.299) / 0.681$$

STEP 3:

The standardized recoded variables were summed:

$$TEMP = Z8878 + Z8879 + Z8880$$

STEP 4:

The final scores were transformed to a 0-100 scale:

$$SOCONTX = ((TEMP - MIN)/(MAX - MIN)) * 100$$

$$\text{WHERE } MIN = -6.329 \\ MAX = 2.401$$

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

SOCONTOP

NUMBER OF OBSERVATIONS	776
NUMBER OF MISSING	5095
MEAN	70.08
MEDIAN	68.60
MINIMUM VALUE	39.58
MAXIMUM VALUE	94.48
STANDARD DEVIATION	11.32
COEFFICIENT OF VARIATION	16.16
SKEWNESS	0.23
KURTOSIS	-0.80

VARIABLE	SOCONTOP	ADULT HSA SOCIAL HEALTH
Predicted Social Contacts at Enrollment		
CODES		
<p>- Missing includes those under 14 years, all nonDayton participants, those with no MHQA, and item nonresponse</p>		
<p>SOCONTOP is a social contact index score predicted from four enrollment MHQ questions--the participant's age, sex, and race, and an estimate of the participant's social contacts one year after enrollment. Higher values indicate greater social contact.</p>		

NOTE: SOCONTOP is available for enrollment data only.

INPUT VARIABLES

DE13903 (How often have you had trouble getting along with others at work in the past twelve months)

DE13913 (How often have you been under stress or tension at home in the past twelve months)

DE13959 (Have you felt cheerful, fighthearted during the past month)

DE13987 (Were you married at least part of the time during the last six months)

AGE Participant's age in years at enrollment

FEMALE 0 = Male
1 = Female

BLACK 0 = Not black
1 = Black

SOCONT12 Social contact score based on data from the annual health care questionnaire administered in the twelfth month of the study (see Table 2 in Sec. I)

(cont.)

VARIABLE SOCONTOP (cont.)

CONSTRUCTION

STEP 1:

Several variables were recoded or created:

DE13903 = 5 IF DE13903 = .

DE13987 = 0 IF DE13987 = 2

AGE = . IF AGE = . OR AGE < 13

AGESP = MAXIMUM ((AGE-50),0) IF AGE NE .

STEP 2:

The social contact score for Dayton participants based on variables measured one year into the study was regressed on the following eight enrollment variables:

DE13903, DE13913, DE13959, DE13987, AGE, AGESP, BLACK, FEMALE

STEP 3:

A value for each Dayton participant was predicted using the equation in Step 2.

GROUP	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1514	2053	47.12	47.12
	2.2	2053	2128	1.72	48.84
	12.1	75	2158	0.69	49.53
	13.1	30	2178	0.46	49.99
	24	5	2183	0.12	50.10
	24.3	3	2186	0.07	50.17
	25.2	270	2456	6.20	56.37
	26.2	9	2465	0.21	56.58
	26.4	3	2468	0.07	56.64
	36.4	1	2469	0.02	56.67
	37.4	112	2581	2.57	59.24
	38.3	319	2900	7.32	66.56
	39.3	5	2905	0.12	66.67
	48.5	1	2906	0.02	66.70
	49.5	41	2947	0.94	67.64
	50.2	6	2953	0.14	67.78
	50.5	251	3204	5.76	73.54
	50.7	4	3208	0.09	73.63
	51.5	341	3549	7.83	81.46
	61.7	14	3563	0.32	81.78
	62.6	142	3705	3.26	85.04
	63.6	244	3949	5.60	90.64
	73.8	9	3958	0.21	90.84
	74.8	59	4017	1.35	92.20
	75.7	151	4168	3.47	95.66
	76.5	2	4170	0.05	95.71
	86.9	38	4208	0.87	96.58
	87.9	68	4276	1.56	98.14
	100	81	4357	1.86	100.00

VARIABLE	GROUP	ADULT HSA SOCIAL HEALTH
Group Participation at Enrollment		
CODES		
-	Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse	
GROUP	measures the number of voluntary groups or organizations of which the participant was a member at enrollment, as well as his level of activity in the affairs of those groups.	
GROUP	is based on two of the set of nine input variables used in SOCIND; those two focus on group participation. Higher values indicate greater group participation.	

INPUT VARIABLES

DE18885 (NonDayton only -- About how many volunteer groups or organizations do you belong to, like church groups, clubs or lodges, parent groups, etc.)

DE18886 (NonDayton only -- How active are you in the affairs of these groups or clubs you belong to)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8885 = 1 IF DE18885 = 0
 = 2 IF DE18885 = 1
 = 3 IF DE18885 = 2
 = 4 IF DE18885 = 3
 = 5 IF DE18885 = 4
 = 6 IF DE18885 = 5 OR MORE

REC8886 = 1 IF DE18886 = 4
 = 2 IF DE18886 = 3
 = 3 IF DE18886 = 2
 = 4 IF DE18886 = 1

(cont.)

VARIABLE GROUP (cont.)

CONSTRUCTION (cont.)

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

$$Z8885 = (REC8885 - 2.034)/1.322$$

$$Z8886 = (REC8886 - 2.124)/1.223$$

STEP 3:

The standardized recoded variables were summed:

$$TEMP = Z8885 + Z8886$$

STEP 4:

The final scores were transformed to a 0-100 scale:

$$GROUP = ((TEMP - MIN)/(MAX - MIN)) * 100$$

$$\text{WHERE } MIN = -1.701 \\ MAX = 4.534$$

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

GROUPX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	788	2399	47.20	47.20
	2.2	51	2450	1.00	48.20
	12.1	20	2470	0.39	48.59
	13.1	28	2498	0.55	49.14
	24	7	2505	0.14	49.28
	24.3	4	2509	0.08	49.36
	25.2	297	2806	5.84	55.20
	26.2	17	2823	0.33	55.54
	26.4	1	2824	0.02	55.56
	36.4	1	2825	0.02	55.58
	37.4	132	2957	2.60	58.17
	38.3	431	3388	8.48	66.65
	39.3	14	3402	0.28	66.93
	49.5	42	3444	0.83	67.76
	50.2	15	3459	0.30	68.05
	50.5	329	3788	6.47	74.52
	51.5	368	4156	7.24	81.76
	60.7	1	4157	0.02	81.78
	61.7	13	4170	0.26	82.04
	62.6	176	4346	3.46	85.50
	63.6	291	4637	5.73	91.23
	73.8	8	4645	0.16	91.38
	74.8	63	4708	1.24	92.62
	75.7	157	4865	3.09	95.71
	76.5	7	4872	0.14	95.85
	86.9	64	4936	1.26	97.11
	87.9	74	5010	1.46	98.56
	100	73	5083	1.44	100.00

VARIABLE	GROUPX	ADULT HSA SOCIAL HEALTH
Group Participation at Exit		
CODES		
0 - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
GROUPX measures the number of voluntary groups or organizations of which the participant was a member at exit, as well as his level of activity in the affairs of those groups. GROUPX is based on two of the set of nine input variables used in SOCINDX; those two focus on group participation. Higher values indicate greater group participation.		

INPUT VARIABLES

DE18885 (About how many volunteer groups or organizations do you belong to, like church groups, clubs or lodges, parent groups, etc.)

DE18886 (How active are you in the affairs of these groups or clubs you belong to)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8885 = 1 IF DE18885 = 0
 = 2 IF DE18885 = 1
 = 3 IF DE18885 = 2
 = 4 IF DE18885 = 3
 = 5 IF DE18885 = 4
 = 6 IF DE18885 = 5 OR MORE

REC8886 = 1 IF DE18886 = 4
 = 2 IF DE18886 = 3
 = 3 IF DE18886 = 2
 = 4 IF DE18886 = 1

(cont.)

VARIABLE GROUPX (cont.)

CONSTRUCTION (cont.)

STEP 2:

Each recoded variable was standardized to a mean of 0 and a standard deviation of 1:

$$Z8885 = (REC8885 - 2.034)/1.322$$

$$Z8886 = (REC8886 - 2.124)/1.223$$

STEP 3:

The standardized recoded variables were summed:

$$TEMP = Z8885 + Z8886$$

STEP 4:

The final scores were transformed to a 0-100 scale:

$$GROUPX = ((TEMP - MIN)/(MAX - MIN)) * 100$$

$$\begin{aligned} \text{WHERE } MIN &= -1.701 \\ \text{MAX} &= 4.534 \end{aligned}$$

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE SDRS (cont.)

CONSTRUCTION (cont.)

REC8854 = 1 IF 1 <= DE18854 <= 4
 = 2 IF DE18854 = 5

REC8858 = 1 IF DE18858 = 3 OR 4
 = 2 IF DE18858 = 1 OR 2

REC8860 = 1 IF 1 <= DE18860 <= 5
 = 2 IF DE18860 = 6

REC8866 = 1 IF 1 <= DE18866 <= 4
 = 2 IF DE18866 = 5

REC8869 = 1 IF 1 <= DE18869 <= 4
 = 2 IF DE18869 = 5

REC8871 = 1 IF 2 <= DE18871 <= 6
 = 2 IF DE18871 = 1

STEP 2:

The recoded variables were summed;

TEMPA = REC8847 + REC8850 + REC8854 + REC8858 +
 REC8860 + REC8866 + REC8869 + REC8871

STEP 3:

The final scores were transformed to a 0-100 scale:

TEMPB = ((TEMPA-MIN)/(MAX-MIN)) * 100
 WHERE MIN=8
 MAX=16

SDRS = (MAX (TEMPB, 25) - 25) * 4/3

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

SDRSX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	787	2646	52.05	52.05
	4.8	23	2669	0.45	52.50
	11.1	3	2672	0.06	52.56
	16.7	1093	3765	21.50	74.06
	20	3	3768	0.06	74.12
	23.9	22	3790	0.43	74.55
	33.3	681	4471	13.40	87.94
	42.8	17	4488	0.33	88.28
	50	395	4883	7.77	96.05
	55.6	1	4884	0.02	96.07
	61.9	7	4891	0.14	96.20
	66.7	147	5038	2.89	99.10
	83.3	44	5082	0.87	99.96
	100	2	5084	0.04	100.00

VARIABLE	SDRSX	ADULT HSA SOCIAL HEALTH
Socially Desirable Response Set at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
SDRSX measures, at exit, the participant's tendency to respond in a socially desirable manner. Higher values indicate more socially desirable responses.		

INPUT VARIABLES

DE18847 (How often do you eat too much)
DE18850 (Would you say your morals have been above reproach)
DE18854 (How often have there been times in your life when you felt
you acted like a coward)
DE18858 (Would you say that you give every penny you can to charity)
DE18860 (In choosing your friends, how important to you are things
like race, religion, or political belief)
DE18866 (If it is more convenient for you to do so, how often will
you tell a lie)
DE18869 (How often have you done anything of a sexual nature that
society does not approve of)
DE18871 (Are your table manners at home just as good as they are
when you are invited out to dinner)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8847 = 1 IF 1 <= DE18847 <= 4
= 2 IF DE18847 = 5
REC8850 = 1 IF 2 <= DE18850 <= 5
= 2 IF DE18850 = 1
REC8854 = 1 IF 1 <= DE18854 <= 4
= 2 IF DE18854 = 5

(cont.)

```

VARIABLE SDRSX (cont.)
CONSTRUCTION (cont.)

REC8858 = 1 IF DE18858 = 3 OR 4
        = 2 IF DE18858 = 1 OR 2

REC8860 = 1 IF 1 <= DE18860 <= 5
        = 2 IF DE18860 = 6

REC8866 = 1 IF 1 <= DE18866 <= 4
        = 2 IF DE18866 = 5

REC8869 = 1 IF 1 <= DE18869 <= 4
        = 2 IF DE18869 = 5

REC8871 = 1 IF 2 <= DE18871 <= 6
        = 2 IF DE18871 = 1

STEP 2:
The recoded variables were summed:

TEMPA = REC8847 + REC8850 + REC8854 + REC8858 +
        REC8860 + REC8866 + REC8869 + REC8871

STEP 3:
The final scores were transformed to a 0-100 scale:

TEMPB = ((TEMPA-MIN)/(MAX-MIN)) * 100
        WHERE MIN=8
              MAX=16

SDRSX = {MAX (TEMPB, 25) - 25} * 4/3

The results were rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

```

CSOPH	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1512	48	1.10	1.10
	12.5	146	194	3.35	4.45
	14.3	1	195	0.02	4.47
	16.7	1	196	0.02	4.50
	25	305	501	7.00	11.49
	28.6	2	503	0.05	11.54
	37.5	542	1045	12.43	23.97
	42.9	7	1052	0.16	24.13
	50	766	1818	17.57	41.71
	57.1	5	1823	0.12	41.82
	60	1	1824	0.02	41.84
	62.5	883	2707	20.26	62.10
	71.4	1	2708	0.02	62.12
	75	866	3574	19.87	81.99
	80	2	3576	0.05	82.04
	85.7	1	3577	0.02	82.06
	87.5	536	4113	12.30	94.36
	100	246	4359	5.64	100.00

VARIABLE	CSOPH	ADULT HSA SOCIAL HEALTH
Consumer Sophistication at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
CSOPH measures the participant's consumer sophistication and knowledge regarding health care services at enrollment. Higher values indicate greater consumer sophistication.		

INPUT VARIABLES

DE18968 (NonDayton only -- Some operations done by surgeons are not really necessary)
 DE18969 (NonDayton only -- If you have doubts about a doctor's advice, it's a good idea to get another doctor's opinion)
 DE18970 (NonDayton only -- Stomach aches and headaches are hardly ever caused by your emotions)
 DE18971 (NonDayton only -- A medicine prescribed by a doctor can have very different prices, depending on whether or not it has a brand name)
 DE18972 (NonDayton only -- If you have to go into the hospital, your doctor can get you admitted to any hospital you prefer)
 DE18975 (NonDayton only -- Doctors are checked every few years, before their licenses are renewed)
 DE18976 (NonDayton only -- For many illnesses, doctors just don't have any cure)
 DE18977 (NonDayton only -- Two doctors who are equally good at their job may still suggest very different ways of treating the same illness)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8968 = 1 IF DE18968 = 2 OR 3
 = 2 IF DE18968 = 1

(cont.)

VARIABLE CSOPH (cont.)

CONSTRUCTION (cont.)

REC8969 = 1 IF DE18969 = 2 OR 3
 = 2 IF DE18969 = 1

REC8970 = 1 IF DE18970 = 1 OR 3
 = 2 IF DE18970 = 2

REC8971 = 1 IF DE18971 = 2 OR 3
 = 2 IF DE18971 = 1

REC8972 = 1 IF DE18972 = 1 OR 3
 = 2 IF DE18972 = 2

REC8975 = 1 IF DE18975 = 1 OR 3
 = 2 IF DE18975 = 2

REC8976 = 1 IF DE18976 = 2 OR 3
 = 2 IF DE18976 = 1

REC8977 = 1 IF DE18977 = 2 OR 3
 = 2 IF DE18977 = 1

STEP 2:

The recoded variables were summed:

TEMP = REC8968 + REC8969 + REC8970 + REC8971 +

REC8972 + REC8975 + REC8976 + REC8977

STEP 3:

The final scores were transformed to a 0-100 scale:

CSOPH = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=8
 MAX=16

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

CSOPHX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	788	84	1.65	1.65
	12.5	84	248	3.23	4.88
	14.3	164	249	0.02	4.90
	25	311	560	6.12	11.02
	33.3	1	561	0.02	11.04
	37.5	544	1105	10.70	21.74
	42.9	6	1111	0.12	21.86
	50	830	1941	16.33	38.19
	57.1	7	1948	0.14	38.32
	62.5	1036	2984	20.38	58.71
	71.4	4	2988	0.08	58.78
	75	1096	4084	21.56	80.35
	85.7	2	4086	0.04	80.39
	87.5	702	4788	13.81	94.20
	100	295	5083	5.80	100.00

VARIABLE	CSOPHX	ADULT HSA SOCIAL HEALTH
Consumer Sophistication at Exit		
CODES		
0 - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
CSOPHX measures the participant's consumer sophistication and knowledge regarding health care services at exit. Higher values indicate greater consumer sophistication.		

INPUT VARIABLES

DE18968 (Some operations done by surgeons are not really necessary)
 DE18969 (If you have doubts about a doctor's advice, it's a good
 idea to get another doctor's opinion)
 DE18970 (Stomach aches and headaches are hardly ever caused by your
 emotions)
 DE18971 (A medicine prescribed by a doctor can have very different
 prices, depending on whether or not it has a brand name)
 DE18972 (If you have to go into the hospital, your doctor can get
 you admitted to any hospital you prefer)
 DE18975 (Doctors are checked every few years, before their licenses
 are renewed)
 DE18976 (For many illnesses, doctors just don't have any cure)
 DE18977 (Two doctors who are equally good at their job may still
 suggest very different ways of treating the same illness)

CONSTRUCTION

STEP 1:

Variables were recoded:

REC8968 = 1 IF DE18968 = 2 OR 3
 = 2 IF DE18968 = 1
 REC8969 = 1 IF DE18969 = 2 OR 3
 = 2 IF DE18969 = 1

(cont.)

VARIABLE CSOPHX (cont.)

CONSTRUCTION (cont.)

REC8970 = 1 IF DE18970 = 1 OR 3
 = 2 IF DE18970 = 2

REC8971 = 1 IF DE18971 = 2 OR 3
 = 2 IF DE18971 = 1

REC8972 = 1 IF DE18972 = 1 OR 3
 = 2 IF DE18972 = 2

REC8975 = 1 IF DE18975 = 1 OR 3
 = 2 IF DE18975 = 2

REC8976 = 1 IF DE18976 = 2 OR 3
 = 2 IF DE18976 = 1

REC8977 = 1 IF DE18977 = 2 OR 3
 = 2 IF DE18977 = 1

STEP 2:

The recoded variables were summed:

TEMP = REC8968 + REC8969 + REC8970 + REC8971 +
 REC8972 + REC8975 + REC8976 + REC8977

STEP 3:

The final scores were transformed to a 0-100 scale:

CSOPHX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=8
 MAX=16

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

GHINDX

NUMBER OF OBSERVATIONS	4359
NUMBER OF MISSING	1512
MEAN	70.37
MEDIAN	71.60
MINIMUM VALUE	5.70
MAXIMUM VALUE	100.00
STANDARD DEVIATION	14.88
COEFFICIENT OF VARIATION	21.14
SKEWNESS	-0.60
KURTOSIS	0.39

VARIABLE	GHINDX	ADULT HSA GENERAL HEALTH
Index of General Health at Enrollment		
CODES		
<p>. - Missing includes those under 14 years, all Dayton participants, those with no MIQA, and item nonresponse</p>		
<p>GHINDX rates the participant's perception of his health in general at enrollment. Higher values indicate more favorable self-ratings of health in the past, present, and future, less health-related worry, and greater perceived resistance to illness. GHINDX is based on a set of 22 input variables. Four other measures--CURNT, PRIOR, OUTLOK, and RESIST--are based on subsets of the same 22 input variables.</p>		

INPUT VARIABLES

DE18936 (NonDayton only -- According to the doctors I've seen, my health is now excellent)

DE18938 (NonDayton only -- I seem to get sick a little easier than other people)

DE18939 (NonDayton only -- I feel better now than I ever have before)

DE18940 (NonDayton only -- I will probably be sick a lot in the future)

DE18941 (NonDayton only -- I never worry about my health)

DE18942 (NonDayton only -- Most people get sick a little easier than I do)

DE18944 (NonDayton only -- I am somewhat ill)

DE18945 (NonDayton only -- In the future, I expect to have better health than other people I know)

DE18946 (NonDayton only -- I was so sick once I thought I might die)

DE18947 (NonDayton only -- I'm not as healthy now as I used to be) (cont.)

VARIABLE GHINDX (cont.)

INPUT VARIABLES (cont.)

DE18948 (NonDayton only -- I worry about my health more than other people worry about their health)
 DE18950 (NonDayton only -- My body seems to resist illness very well)
 DE18952 (NonDayton only -- I'm as healthy as anybody I know)
 DE18953 (NonDayton only -- I think my health will be worse in the future than it is now)
 DE18954 (NonDayton only -- I've never had an illness that lasted a long period of time)
 DE18957 (NonDayton only -- My health is excellent)
 DE18958 (NonDayton only -- I expect to have a very healthy life)
 DE18961 (NonDayton only -- I have been feeling bad lately)
 DE18963 (NonDayton only -- I have never been seriously ill)
 DE18964 (NonDayton only -- When there is something going around, I usually catch it)
 DE18965 (NonDayton only -- Doctors say that I am now in poor health)
 DE18967 (NonDayton only -- I feel about as good now as I ever have)

CONSTRUCTION

Reversals: DE18938, DE18940, DE18944, DE18946, DE18947,
 DE18948, DE18953, DE18961, DE18964, DE18965

TEMP = DE18936 + DE18938 + DE18939 + DE18940 + DE18941 +
 DE18942 + DE18944 + DE18945 + DE18946 + DE18947 +
 DE18948 + DE18950 + DE18952 + DE18953 + DE18954 +
 DE18957 + DE18958 + DE18961 + DE18963 + DE18964 +
 DE18965 + DE18967

GHINDX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=22
 MAX=110

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(cont.)

GHINDXX

NUMBER OF OBSERVATIONS	5083
NUMBER OF MISSING	788
MEAN	68.98
MEDIAN	70.50
MINIMUM VALUE	8.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	15.06
COEFFICIENT OF VARIATION	21.83
SKEWNESS	-0.58
KURTOSIS	0.40

VARIABLE	GHINDXX	ADULT HSA GENERAL HEALTH
Index of General Health at Exit		
CODES		
- - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
GHINDXX rates the participant's perception of his health in general at exit. Higher values indicate more favorable self- ratings of health in the past, present, and future, less health-related worry, and greater perceived resistance to illness. GHINDXX is based on a set of 22 input variables. Four other measures--CURNTX, PRIORX, OUTLQX, and RESISTX-- are based on subsets of the same 22 input variables.		

INPUT VARIABLES

DEI8936 (According to the doctors I've seen, my health is now
excellent)

DEI8938 (I seem to get sick a little easier than other people)

DEI8939 (I feel better now than I ever have before)

DEI8940 (I will probably be sick a lot in the future)

DEI8941 (I never worry about my health)

DEI8942 (Most people get sick a little easier than I do)

DEI8944 (I am somewhat ill)

DEI8945 (In the future, I expect to have better health than other
people I know)

DEI8946 (I was so sick once I thought I might die)

DEI8947 (I'm not as healthy now as I used to be)

DEI8948 (I worry about my health more than other people worry about
their health)

DEI8950 (My body seems to resist illness very well)

DEI8952 (I'm as healthy as anybody I know)

DEI8953 (I think my health will be worse in the future than it is
now)

(cont.)

VARIABLE GHINDXX (cont.)

INPUT VARIABLES (cont.)

DEI8954 (I've never had an illness that lasted a long period of
time)
DEI8957 (My health is excellent)
DEI8958 (I expect to have a very healthy life)
DEI8961 (I have been feeling bad lately)
DEI8963 (I have never been seriously ill)
DEI8964 (When there is something going around, I usually catch it)
DEI8965 (Doctors say that I am now in poor health)
DEI8967 (I feel about as good now as I ever have)

CONSTRUCTION

Reversals: DEI8938, DEI8940, DEI8944, DEI8946, DEI8947,

DEI8948, DEI8953, DEI8961, DEI8964, DEI8965

TEMP = DEI8936 + DEI8938 + DEI8939 + DEI8940 + DEI8941 +

DEI8942 + DEI8944 + DEI8945 + DEI8946 + DEI8947 +

DEI8948 + DEI8950 + DEI8952 + DEI8953 + DEI8954 +

DEI8957 + DEI8958 + DEI8961 + DEI8963 + DEI8964 +

DEI8965 + DEI8967

GHINDXX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=22
MAX=110

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(cont.)

GH100P

NUMBER OF OBSERVATIONS	3870
NUMBER OF MISSING	2001
MEAN	71.07
MEDIAN	73.44
MINIMUM VALUE	15.33
MAXIMUM VALUE	90.82
STANDARD DEVIATION	11.25
COEFFICIENT OF VARIATION	15.83
SKEWNESS	-1.22
KURTOSIS	1.77

VARIABLE	GH100P	ADULT HSA GENERAL HEALTH
Predicted Index of General Health at Enrollment		
CODES		
- Missing includes those under 14 years, all South Carolina 3-year participants, those with no MHQA, and item nonresponse		
GH100P is a general health index score predicted from enrollment MHQ questions on physiologic health, personal and role limitations, mental health, and general health as well as selected background characteristics. Higher scores indicate that the participant had better physical and mental health, less health-related worry, and fewer chronic conditions.		

NOTE: GH100P is available for enrollment data only.

INPUT VARIABLES

DE1356 (Would you say your health in general is excellent, good, fair, or poor)

DE1357 (Dayton and Seattle only -- Over the past year, has your health caused you a great deal of worry)

DE12836 (Massachusetts and South Carolina only -- has your health caused you a great deal of worry)

DE13661 (During the past three months, how often has your health kept you from doing the kinds of activities other people your age do)

DE13663 (During the past three months, how much pain have you had)

DE13664 (During the past three months, how much has your health worried or concerned you)

DE13665 (Does your health keep you from working at a job, doing work around the house, or going to school)

DE13671 (Dayton only -- Does your health limit the kinds or amounts of other activities you can do)

DE13675 (Dayton only -- Do you have trouble walking)

DE13679 (Dayton only -- Do you have trouble walking as far and as fast as usual for persons your age)

(cont.)

VARIABLE GH100P (cont.)

INPUT VARIABLES (cont.)

```

DE13681 {Dayton only -- Do you have trouble lifting, stooping,
        using chairs, or inclines}
DE13687 {Are you in bed or a chair for most or all of the day}
DE13689 {Dayton only -- Do you have trouble climbing a flight of
        stairs}
DE13714 {Do you think you weigh too much}
DE13724 {Dayton only -- Are you currently taking any of these heart
        medicines: digitalis, digitalis leaf, digitoxin, or
        digoxin}
DE13725 {During the past twelve months, have you had pain, aching,
        swelling, or stiffness in your joints}
DE13743 {Dayton only -- During the past twelve months, have you
        ever felt short of breath or has the doctor told you that
        you had heart failure}
DE13758 {Have you had pain, discomfort, or heaviness in your chest
        in the past twelve months}
DE13777 {Has a doctor ever told you that you had bronchitis or
        emphysema}
DE13810 {Do you smoke cigarettes now}
DE13839 {Dayton only -- When did you most recently have a general
        medical or physical exam when you were not sick or
        pregnant}
DE13872 {Have you ever been told by a doctor that you had high
        blood pressure}
DE13885 {In the last three months, have you ever been troubled with
        stomach pain or stomach ache}
DE13939 {Have you been bothered by nervousness or "nerves" during
        the past month}
DE13942 {During the past month, how happy, satisfied, or pleased
        have you been with your personal life}
DE13944 {During the past month, have you been in firm control of
        your behavior, thoughts, emotions, feelings}
DE13946 {During the past month, have you been anxious, worried, or
        upset}
DE13948 {During the past month, have you had any reason to wonder
        if you were losing your mind, or losing control over the
        way you act, talk, think, feel, or of your memory}
DE13954 {How much of the time, during the past month, have you felt
        downhearted and blue}
        (cont.)

```

VARIABLE GH100P (cont.)

INPUT VARIABLES (cont.)

DE13957 (How often, during the past month, have you been waking up feeling fresh and rested)
 DE13958 (How much of the time, during the past month, have you been feeling emotionally stable and sure of yourself)
 DE13959 (How much of the time, during the past month, have you felt cheerful, light-hearted)
 DE15428 (NonDayton only -- Does your health limit the kind of vigorous activities you can do)
 DE15430 (NonDayton only -- Do you have any trouble walking several blocks or climbing a few flights of stairs)
 DE15432 (NonDayton only -- Do you have trouble bending, lifting or stooping because of your health)
 DE15434 (NonDayton only -- Do you have any trouble walking one block or climbing one flight of stairs)
 DE19003 (NonDayton only -- During the past twelve months, have you ever felt short of breath)
 DE19005 (NonDayton only -- Has a doctor ever told you that you had an enlarged heart or heart failure)
 DE19014 (NonDayton only -- Are you currently taking any of these heart medicines: digitalis, digitalis leaf, digitoxin, or digoxin)
 DE19018 (NonDayton only -- Have you had chest pain in the past twelve months)
 DE19093 (NonDayton only -- When did you last have a general medical or physical exam when you were not sick or pregnant)

SITE Participant's place of residence at enrollment (see index for page number in this codebook)

TOOKPHYS 0 = No enrollment physical examination
 1 = Was administered physical examination at enrollment

TERM3 0 = 5-year enrollment in HIE
 1 = 3-year enrollment in HIE

INCOME1 Participating family's income in 1973 dollars for year preceding interview at baseline

INCOME2 Participating family's income in 1973 dollars for second year preceding interview at baseline

FAMSIZE Count of persons in participating family at enrollment

BLACK 0 = Not black
 1 = Black

(cont.)

VARIABLE GH100P (cont.)

INPUT VARIABLES (cont.)

P25	0 = Not 25% coinsurance 1 = 25% coinsurance
P50	0 = Not 50% coinsurance 1 = 50% coinsurance
P95	0 = Not 95% coinsurance 1 = 95% coinsurance or higher
PIDP	0 = Plans other than those with individual deductibles 1 = Plans with individual deductibles
AGE	Participant's age in years at enrollment
FEMALE	0 = Male 1 = Female
MDVIS	Count of doctor visits in year preceding baseline -1 = Person not present at baseline
EDUCPER	Highest grade of school attended or completed (for participants aged 16 years or older)
EDUCDEC	Highest grade of school attended or completed by person likely to be decision maker in participating family. Value for this input variable was set equal to "own education" if a given participant was 18 years or older; and set equal to education attained by head of family if participant was under 18 years of age.
APERS	Personal limitations at enrollment (see index for page number in this codebook)
AROLE	Role limitations at enrollment (see index for page number in this codebook)
MHI	Mental health index at enrollment (see index for page number in this codebook)
GHINDX	General health index at enrollment (see index for page number in this codebook)

(cont.)

VARIABLE GR100P (cont.)

CONSTRUCTION

STEP 1:

Several temporary variables were created:

(Dayton)

WALK = 0
 = 1 IF DE13675 = 1 OR DE13679 = 1 OR DE13689 = 1 OR
 DE13681 = 1
 = . IF DE13675 = . AND DE13679 = . AND DE13689 = .
 AND DE13681 = .

PHYEXAM = 5 IF DE13839 = 1
 = 4 IF DE13839 = 2
 = 3 IF DE13839 = 3
 = 2 IF DE13839 = 4
 = 1 IF DE13839 = 5

BEGFP = 39.545 IF DE1356 = 1
 = 33.85 IF DE1356 = 2
 = 25.589 IF DE1356 = 3
 = 15.456 IF DE1356 = 4

SHORTBR = DE13743
 = 0 IF DE13743 = 2

CHESTPN = DE13758
 = 0 IF DE13758 = 2

MEDHRT = DE13724
 = 2 IF DE13724 = .

SMOKE = DE13810
 = 2 IF DE13810 = .

(NonDayton)

WALK = 0
 = 1 IF DE15434 = 1 OR DE15430 = 1 OR DE15432 = 1
 = . IF DE15434 = . AND DE15430 = . AND DE15432 = .

BEGFP = 39.545 IF DE1356 = 1
 = 33.85 IF DE1356 = 2
 = 25.589 IF DE1356 = 3
 = 15.456 IF DE1356 = 4

(cont.)

```

VARIABLE CH100P (cont.)
CONSTRUCTION (cont.)

SHORTBR = 0
        = 1 IF DE19003 = 1 OR DE19005 = 1
        = . IF DE19003 = . AND DE19005 = .

CHES1PN = 0
        = 1 IF DE13758 = 1 OR DE19018 = 1
        = . IF DE13758 = . AND DE19018 = .

MEDHRT = DE19014
        = 2 IF DE19014 = .

(All sites)

INCOME = . IF INCOME1 = . AND INCOME2 = .
        = INCOME2 IF INCOME1 = . AND INCOME2 NE .
        = INCOME1 IF INCOME1 NE . AND INCOME2 = .
        = (INCOME1 + INCOME2)/2 IF INCOME1 NE . AND
          INCOME2 NE .

INCOME = INCOME * 9761/9139 IF SITE=1
        = INCOME * 9761/10072 IF SITE=2
        = INCOME * 9761/10904 IF SITE=3 OR 4
        = INCOME * 9761/((9151 + 9258)/2) IF SITE = 5 OR 6

LINC = LOG (MAX (1000, INCOME)) IF INCOME NE .

CHILD = 0 IF AGE >= 18
        = 1 IF AGE < 18
        = . IF AGE = .

FADULT = FEMALE * (1-CHILD)

EDUCAT = EDUCPER IF AGE GE 18
        = EDUCDEC IF AGE LT 18
        = . IF AGE = .

SQAGE = SQRT (AGE)

FAMSIZE = LOG (FAMSIZE)

INMOVIS = 1/(MAX (1, MOVIS))

(cont.)

```

VARIABLE GH100P (cont.)

CONSTRUCTION (cont.)

NOMDVIS = 0
= 1 IF MDVIS <= 0

NEWMEM = 0
= 1 IF MDVIS = .

R2 = 0
= 1 IF 50 <= AROLE < 67

R3 = 0
= 1 IF AROLE = 100

P2 = 0
= 1 IF 25 <= APERS <= 40

P3 = 0
= 1 IF 50 <= APERS <= 60

P4 = 0
= 1 IF 75 <= APERS <= 80

P5 = 0
= 1 IF APERS = 100

ROPO = 0
= 1 IF AROLE < 40 AND APERS < 22

STEP 2:

Using data from the Seattle and Massachusetts sites, a set of regression coefficients was obtained by regressing the derived variable GHINDX on the following list of predictors:

MEDHRT, DE13714, DE13725, SHORT8R, CHESTPN, DE13777,
DE13872, DE13885, DE13661, DE13687, DE15428 OR DE13671,
WALK, DE13665, DE13939, DE13946, DE13942, DE13954,
DE13959, DE13957, DE13948, DE13944, DE13958, DE13663,
DE13664, DE13810 OR SMOKE, DE19093 OR PHYEXAM, DE1357
OR DE12836, BEGFP, TOOKPHYS, TERM3, FAMSIZE, LINC,
BLACK, CHILD, FADULT, FEMALE, EDUCAT, AGE, SQAGE,
INMDVIS, NOMDVIS, NEWMEM, P25, P50, P95, PIDP, R2, R3,
P2, P3, P4, P5, ROPO, MHI

(cont.)

VARIABLE GH100P (cont.)

CONSTRUCTION (cont.)

STEP 3:

The predicted general health index was constructed for each participant by multiplying each predictor by its corresponding regression coefficient. The product of each was then summed across predictors and added to the intercept for the value of GH100P. A predicted value for the general health index was calculated only for participants with no missing values for any of the predictors listed in step 2.

CURNT	4359
NUMBER OF OBSERVATIONS	1512
NUMBER OF MISSING	72.15
MEAN	75.00
MEDIAN	75.00
MINIMUM VALUE	0.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	19.21
COEFFICIENT OF VARIATION	26.63
SKEWNESS	-0.88
KURTOSIS	0.56

VARIABLE	CURNT	ADULT HSA
		GENERAL HEALTH
Current Health at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
CURNT rates the participant's perception of his health at enrollment. CURNT is based on 9 of the set of 22 input variables used in GH100P; those 9 focus on current general health. Higher values indicate more favorable self-ratings of current health, both in the absolute and in comparison with that of others.		

INPUT VARIABLES

DE18936 (NonDayton only -- According to the doctors I've seen, my health is now excellent)
DE18939 (NonDayton only -- I feel better now than I ever have before)
DE18944 (NonDayton only -- I am somewhat ill)
DE18947 (NonDayton only -- I'm not as healthy now as I used to be)
DE18952 (NonDayton only -- I'm as healthy as anybody I know)
DE18957 (NonDayton only -- My health is excellent)
DE18961 (NonDayton only -- I have been feeling bad lately)
DE18965 (NonDayton only -- Doctors say that I am now in poor health)
DE18967 (NonDayton only -- I feel about as good now as I ever have) (cont.)

VARIABLE CURNT (cont.)

CONSTRUCTION

Reversals: DE18944, DE18947, DE18961, DE18965

TEMP = DE18936 + DE18939 + DE18944 + DE18947 + DE18952 +

DE18957 + DE18961 + DE18965 + DE18967

CURNT = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=45

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

CURNTX	NUMBER OF OBSERVATIONS	5083
NUMBER OF MISSING	788	
MEAN	70.96	
MEDIAN	75.00	
MINIMUM VALUE	0.00	
MAXIMUM VALUE	100.00	
STANDARD DEVIATION	19.57	
COEFFICIENT OF VARIATION	27.57	
SKEWNESS	-0.86	
KURTOSIS	0.57	

VARIABLE	CURNTX	ADULT HSA GENERAL HEALTH
Current Health at Exit		
CODES		
-	Missing includes those not completing the experiment, those with no MHQA, and item nonresponse	
CURNTX	rates the participant's perception of his health at exit. CURNTX is based on 9 of the set of 22 input variables used in CHINDXX; those 9 focus on current general health. Higher values indicate more favorable self-ratings of current health, both in the absolute and in comparison with that of others.	

(cont.)

VARIABLE CURNTX (cont.)

INPUT VARIABLES

DE18936 {According to the doctors I've seen, my health is now
excellent}
DE18939 {I feel better now than I ever have before}
DE18944 {I am somewhat ill}
DE18947 {I'm not as healthy now as I used to be}
DE18952 {I'm as healthy as anybody I know}
DE18957 {My health is excellent}
DE18961 {I have been feeling bad lately}
DE18965 {Doctors say that I am now in poor health}
DE18967 {I feel about as good now as I ever have}

CONSTRUCTION

Reversals: DE18944, DE18947, DE18961, DE18965

TEMP = DE18936 + DE18939 + DE18944 + DE18947 + DE18952 +

DE18957 + DE18961 + DE18965 + DE18967

CURNTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=9
MAX=45

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

PRIOR VALUE	FREQ	CUM FREQ	%	CUM %
0	1513	100	2.30	2.30
8.3	100	197	2.23	4.52
12.5	97	198	0.02	4.54
16.7	1	198	1.72	6.26
25	75	273	2.89	9.16
33.3	126	399	6.13	15.28
37.5	267	666	0.05	15.33
41.7	2	668	5.14	20.47
50	224	892	4.29	24.76
58.3	187	1079	7.16	31.92
62.5	312	1391	0.07	31.99
66.7	3	1394	12.00	43.99
75	523	1917	8.28	52.27
83.3	361	2278	9.36	61.63
87.5	408	2686	0.25	61.89
91.7	11	2697	11.52	73.41
100	502	3199	26.60	100.00
	1159	4358		

VARIABLE	PRIOR	ADULT HSA GENERAL HEALTH
Prior Health at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no HQA, and item nonresponse		
PRIOR rates the participant's perception of his prior health at enrollment. PRIOR is based on 3 of the set of 22 input variables used in GHINDX; those 3 focus on past general health. Higher values indicate more favorable self-ratings of past health.		

INPUT VARIABLES

DE18946 (NonDayton only -- I was so sick once I thought I might die)
 DE18954 (NonDayton only -- I've never had an illness that lasted a long period of time)
 DE18963 (NonDayton only -- I have never been seriously ill)

CONSTRUCTION

Reversal: DE18946

TEMP = DE18946 + DE18954 + DE18963

PRIOR = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
 MAX=15

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	PRIORX	ADULT HSA GENERAL HEALTH
Prior Health at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
PRIORX rates the participant's perception of his prior health at exit. PRIORX is based on 3 of the set of 22 input variables used in GHNDXX; those 3 focus on past general health. Higher values indicate more favorable self-ratings of past health.		

INPUT VARIABLES

DE18946 (I was so sick once I thought I might die)
DE18954 (I've never had an illness that lasted a long period of
time)
DE18963 (I have never been seriously ill)

CONSTRUCTION

Reversal: DE18946

TEMP = DE18946 + DE18954 + DE18963

PRIORX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=15

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

PRIORX VALUE	FREQ	CUM FREQ	%	CUM %
0	788	112	2.20	2.20
8.3	112	112	1.73	3.94
16.7	88	200	1.67	5.61
25	85	285	3.25	8.85
33.3	165	450	4.88	13.73
37.5	248	698	0.04	13.77
41.7	2	700	5.90	19.67
50	300	1000	5.53	25.20
58.3	281	1281	8.44	33.64
62.5	429	1710	0.04	33.68
66.7	2	1712	9.86	43.54
75	501	2213	9.76	53.30
83.3	496	2709	11.94	65.24
87.5	607	3316	0.08	65.32
91.7	4	3320	11.49	76.81
100	584	3904	23.20	100.00
	1179	5083		

OUTLOOK	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1512	3	0.07	0.07
	12.5	3	8	0.12	0.18
	16.7	5	9	0.02	0.21
	18.8	1	15	0.14	0.34
	25	12	27	0.28	0.62
	31.3	20	47	0.46	1.08
	33.3	1	48	0.02	1.10
	37.5	66	114	1.51	2.62
	41.7	1	115	0.02	2.64
	43.8	117	232	2.68	5.32
	50	632	864	14.50	19.82
	56.3	613	1477	14.06	33.88
	58.3	8	1485	0.18	34.07
	62.5	566	2051	12.99	47.05
	66.7	11	2062	0.25	47.30
	68.8	492	2554	11.29	58.59
	75	515	3069	11.82	70.41
	81.3	310	3379	7.11	77.52
	83.3	6	3385	0.14	77.66
	87.5	386	3771	8.86	86.51
	91.7	5	3776	0.12	86.63
	93.8	253	4029	5.80	92.43
	100	330	4359	7.57	100.00

VARIABLE	OUTLOOK	ADULT HSA GENERAL HEALTH
Outlook on Health at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
OUTLOOK rates the participant's outlook on health at enrollment. OUTLOOK is based on 4 of the set of 22 input variables used in GHINDX; those 4 focus on future general health. Higher values indicate more favorable self-ratings of future health, both in the absolute and in comparison with that of others.		

INPUT VARIABLES

DE18940 (NonDayton only -- I will probably be sick a lot in the future)
 DE18945 (NonDayton only -- In the future, I expect to have better health than other people I know)
 DE18953 (NonDayton only -- I think my health will be worse in the future than it is now)
 DE18958 (NonDayton only -- I expect to have a very healthy life)

CONSTRUCTION

Reversals: DE18940, DE18953

TEMP = DE18940 + DE18945 + DE18953 + DE18958

OUTLOOK = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
 MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	OUTLOKX	ADULT HSA GENERAL HEALTH	OUTLOKX VALUE	FREQ	CUM FREQ	%	CUM %
Outlook on Health at Exit			0	788	5	0.10	0.10
CODES			6.3	5	13	0.16	0.26
			12.5	8	21	0.16	0.41
			18.8	15	36	0.30	0.71
			25	20	56	0.39	1.10
			31.3	37	93	0.73	1.83
			33.3	1	94	0.02	1.85
			37.5	81	175	1.59	3.44
			41.7	2	177	0.04	3.48
			43.8	135	312	2.66	6.14
			50	889	1201	17.49	23.63
			56.3	797	1998	15.68	39.31
			58.3	9	2007	0.18	39.49
			62.5	688	2695	13.54	53.02
			66.7	7	2702	0.14	53.16
			68.8	516	3218	10.15	63.31
			75	557	3775	10.96	74.27
			81.3	361	4136	7.10	81.37
			83.3	6	4142	0.12	81.49
			87.5	397	4539	7.81	89.30
			91.7	3	4542	0.06	89.36
			93.8	253	4795	4.98	94.33
			100	288	5083	5.67	100.00

OUTLOKX rates the participant's outlook on health at exit. OUTLOKX is based on 4 of the set of 22 input variables used in GHNDXX; those 4 focus on future general health. Higher values indicate more favorable self-ratings of future health, both in the absolute and in comparison with that of others.

INPUT VARIABLES

DE18940 (I will probably be sick a lot in the future)
DE18945 (In the future, I expect to have better health than other people I know)
DE18953 (I think my health will be worse in the future than it is now)
DE18958 (I expect to have a very healthy life)

CONSTRUCTION

Reversals: DE18940, DE18953

TEMP = DE18940 + DE18945 + DE18953 + DE18958

OUTLOKX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

RESIST	VALUE	FREQ	CUM FREQ	%	CUM %
0	1513	12	12	0.28	0.28
6.3	13	25	37	0.30	0.57
12.5	16	41	78	0.37	0.94
18.8	20	61	139	0.46	1.40
25	60	121	260	1.38	2.78
31.3	56	177	437	1.29	4.06
37.5	84	261	708	1.93	5.99
41.7	3	264	972	0.07	6.06
43.8	132	396	1368	3.03	9.09
50	236	632	2000	5.42	14.50
56.3	304	936	2936	6.98	21.48
58.3	11	947	3047	0.25	21.73
62.5	452	1399	3500	10.37	32.10
66.7	8	1407	3508	0.18	32.29
68.8	557	1964	4065	12.78	45.07
75	860	2824	6889	19.73	64.80
81.3	654	3478	10363	15.01	79.81
83.3	6	3484	10369	0.14	79.95
87.5	380	3864	14233	8.72	88.67
91.7	9	3873	14242	0.21	88.87
93.8	254	4127	14696	5.83	94.70
100	231	4358	15127	5.30	100.00

VARIABLE RESIST ADULT HSA
GENERAL HEALTH

Resistance to illness at Enrollment

CODES

. - Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse

RESIST rates the participant's bodily resistance to illness at enrollment. RESIST is based on 4 of the set of 22 input variables used in GHINDX; those 4 focus on resistance to illness. Higher values indicate more favorable self-ratings of resistance.

INPUT VARIABLES

DE18938 (NonDayton only -- I seem to get sick a little easier than other people)
DE18942 (NonDayton only -- Most people get sick a little easier than I do)
DE18950 (NonDayton only -- My body seems to resist illness very well)
DE18964 (NonDayton only -- When there is something going around, I usually catch it)

CONSTRUCTION

Reversals: DE18938, DE18964

TEMP = DE18938 + DE18942 + DE18950 + DE18964

RESIST = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE RESISTX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	WORCON	ADULT HSA GENERAL HEALTH
Health Worry/Concern at Enrollment		
CODES		
. - Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
WORCON measures the participant's health-related worry and concern at enrollment. Higher values indicate a greater tendency to be worried or concerned about personal health.		

INPUT VARIABLES

DE13664 (NonDayton only -- During the past three months, how much has your health worried or concerned you)
 DE18941 (NonDayton only -- I never worry about my health)
 DE18948 (NonDayton only -- I worry about my health more than other people worry about their health)
 DE18955 (NonDayton only -- Others seem more concerned about their health than I am about mine)
 DE18959 (NonDayton only -- My health is a concern in my life)
 (cont.)

WORCON VALUE	FREQ	CUM FREQ	%	CUM %
0	1508	75	1.72	1.72
5.3	75	135	1.38	3.09
6.6	60	136	0.02	3.12
10.5	117	253	2.68	5.80
13.2	4	257	0.09	5.89
15.8	166	423	3.81	9.70
19.7	7	430	0.16	9.86
21.1	271	701	6.21	16.07
26.3	346	1047	7.93	24.00
31.6	434	1481	9.95	33.95
32.9	2	1483	0.05	33.99
35.1	2	1485	0.05	34.04
36.8	463	1948	10.61	44.65
39.5	4	1952	0.09	44.74
42.1	504	2456	11.55	56.29
46.1	3	2459	0.07	56.36
47.4	443	2902	10.15	66.51
52.6	381	3283	8.73	75.25
57.9	353	3636	8.09	83.34
59.2	7	3643	0.16	83.50
63.2	283	3926	6.49	89.98
65.8	6	3932	0.14	90.12
68.4	176	4108	4.03	94.16
72.4	1	4109	0.02	94.18
			(cont.)	

VARIABLE WORCON (cont.)

CONSTRUCTION

Reversals: DE13664, DE18941, DE18955

TEMP = DE13664 + DE18941 + DE18948 + DE18955 + DE18959

WORCON = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=5
MAX=24

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VALUE	FREQ	CUM FREQ	%	CUM %
73.7	102	4211	2.34	96.52
78.9	73	4284	1.67	98.19
84.2	35	4319	0.80	98.99
85.5	1	4320	0.02	99.01
89.5	22	4342	0.50	99.52
92.1	2	4344	0.05	99.57
94.7	12	4356	0.28	99.84
100	7	4363	0.16	100.00

WORCONX

VALUE	FREQ	CUM FREQ	%	CUM %
0	784	60	1.18	1.18
5.3	60	130	1.38	2.56
10.5	70	269	2.73	5.29
13.2	139	271	0.04	5.33
15.8	2	421	2.95	8.28
19.7	4	425	0.08	8.36
21.1	290	715	5.70	14.06
26.3	418	1133	8.22	22.27
31.6	532	1665	10.46	32.73
32.9	3	1668	0.06	32.79
36.8	554	2222	10.89	43.68
39.5	4	2226	0.08	43.76
42.1	592	2818	11.64	55.40
46.1	3	2821	0.06	55.46
47.4	609	3430	11.97	67.43
52.6	461	3891	9.06	76.49
57.9	418	4309	8.22	84.71
59.2	5	4314	0.10	84.80

(cont.)

VARIABLE WORCONX

ADULT HSA
GENERAL HEALTH

Health Worry/Concern at Exit

CODES

- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse

WORCONX measures the participant's health-related worry and concern at exit. Higher values indicate a greater tendency to be worried or concerned about personal health.

INPUT VARIABLES

DE13664 (During the past three months, how much has your health worried or concerned you)

DE18941 (I never worry about my health)

(cont.)

VARIABLE WORCONX (cont.)

INPUT VARIABLES (cont.)

DE18948 (I worry about my health more than other people worry about
their health)

DE18955 (Others seem more concerned about their health than I am
about mine)

DE18959 (My health is a concern in my life)

CONSTRUCTION

Reversals: DE13664, DE18941, DE18955

TEMP = DE13664 + DE18941 + DE18948 + DE18955 + DE18959

WORCONX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=5
MAX=24

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VALUE	FREQ	CUM FREQ	%	CUM %
61.4	1	4315	0.02	84.82
63.2	320	4635	6.29	91.12
65.8	4	4639	0.08	91.19
68.4	185	4824	3.64	94.83
73.7	114	4938	2.24	97.07
78.9	83	5021	1.63	98.70
84.2	33	5054	0.65	99.35
85.5	1	5055	0.02	99.37
89.5	20	5075	0.39	99.76
92.1	1	5076	0.02	99.78
94.7	7	5083	0.14	99.92
100	4	5087	0.08	100.00

VARIABLE	WORRY	ADULT HSA GENERAL HEALTH
Health Worry at Enrollment		
CODES		
. - Missing includes those under 14 years, those with no MHQA, and item nonresponse		
WORRY measures the participant's worry about health at enrollment. Higher values indicate a greater tendency to worry about personal health. WORRY is similar to WORCON, but it excludes the two variables (DE18955 and DE18959) that focus on "concern" about personal health.		

INPUT VARIABLES

DE13664 (During the past three months, how much has your health
worsened or concerned you)
DE18941 (NonDayton only -- I never worry about my health)
DE18948 (NonDayton only -- I worry about my health more than other
people worry about their health)

CONSTRUCTION

(Dayton)

Reversal: DE13664

WORRY = ((DE13664 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=4

The result was rounded to the nearest tenth.

(cont.)

WORRY VALUE	FREQ	CUM FREQ	%	CUM %
0	732	732	15.30	15.30
9.1	786	1271	9.44	24.73
13.6	485	1275	0.08	24.81
18.2	607	1882	11.81	36.62
27.3	689	2571	13.47	50.03
33.3	253	2824	4.92	54.95
36.4	675	3499	13.14	68.09
40.9	4	3503	0.08	68.17
45.5	527	4030	10.26	78.42
54.5	441	4471	8.58	87.00
63.6	267	4738	5.20	92.20
66.7	86	4824	1.67	93.87
68.2	2	4826	0.04	93.91
72.7	152	4978	2.96	96.87
81.8	69	5047	1.34	98.21
90.9	26	5073	0.51	98.72
95.5	2	5075	0.04	98.76
100	64	5139	1.25	100.00

VARIABLE WORRY (cont.)

CONSTRUCTION (cont.)

(NonDayton)

Reversals: DE13664, DE18941

TEMP = DE13664 + DE18941 + DE18948

WORRY = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=14

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	WORRYX	ADULT HSA GENERAL HEALTH
Health Worry at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
WORRYX measures the participant's worry about health at exit. Higher values indicate a greater tendency to worry about personal health. WORRYX is similar to WORCONX, but it excludes the two variables (DE18955 and DE18959) that focus on concern about personal health.		

INPUT VARIABLES

DE13664 (During the past three months, how much has your health
worry or concerned you)
DE18941 (I never worry about my health)
DE18948 (I worry about my health more than other people worry about
their health)

(cont.)

WORRYX VALUE	FREQ	CUM FREQ	%	CUM %
0	784	342	6.72	6.72
9.1	342	854	10.07	16.79
13.6	512	855	0.02	16.81
18.2	710	1565	13.96	30.77
27.3	937	2502	18.42	49.18
36.4	819	3321	16.10	65.28
40.9	4	3325	0.08	65.36
45.5	643	3968	12.64	78.00
54.5	553	4521	10.87	88.87
63.6	299	4820	5.88	94.75
68.2	1	4821	0.02	94.77
72.7	161	4982	3.17	97.94
81.8	72	5054	1.42	99.35
90.9	21	5075	0.41	99.76
100	12	5087	0.24	100.00

VARIABLE WORRYX (cont.)

CONSTRUCTION

Reversals: DE13664, DE18941

TEMP = DE13664 + DE18941 + DE18948

WORRYX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=14

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

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PAIN	VALUE	FREQ	CUM FREQ	%	CUM %
	0	741	1834	35.75	35.75
	33.3	1834	4290	47.88	83.63
	66.7	2456	4993	13.70	97.33
	100	703	5130	2.67	100.00
		137			

VARIABLE PAIN ADULT HSA GENERAL HEALTH

Pain Rating at Enrollment

CODES

. - Missing includes those under 14 years, those with no MHQA, and item nonresponse

PAIN measures the amount of pain experienced by the participant during the three months preceding enrollment. Higher scores indicate greater pain.

INPUT VARIABLE

DE13663 (During the past three months, how much pain have you had)

(cont.)

VARIABLE PAIN (cont.)

CONSTRUCTION

Reversal: DE13663

PAIN = ((DE13663 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=4

The result was rounded to the nearest tenth.

VARIABLE	PAINX	ADULT HSA GENERAL HEALTH
Pain Rating at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
PAINX measures the amount of pain experienced by the participant during the three months preceding exit. Higher scores indicate greater pain.		

INPUT VARIABLE

DE13663 (During the past three months, how much pain have you had)

CONSTRUCTION

Reversal: DE13663

PAINX = ((DE13663 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=4

The result was rounded to the nearest tenth.

PAINX VALUE	FREQ	CUM FREQ	%	CUM %
0	787	1852	36.43	36.43
33.3	1852	4233	46.83	83.26
66.7	2381	4942	13.95	97.21
100	709	5084	2.79	100.00
	142			

EGFP	VALUE	FREQ	CUM FREQ	%	CUM %
	15.456	1518	36	0.83	0.83
	25.589	36	461	9.76	10.59
	33.85	425	2829	54.40	64.99
	39.545	2368	4353	35.01	100.00
		1524			

VARIABLE	EGFP	ADULT HSA GENERAL HEALTH
General Health Rating at Enrollment		
CODES		
- Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
15.456 - Poor		
25.589 - Fair		
33.850 - Good		
39.545 - Excellent		
EGFP rates the participant's general health at enrollment as excellent, good, fair, or poor.		

INPUT VARIABLE

DEI5365 (NonDayton only -- In general, would you say your health is excellent, good, fair, or poor)

CONSTRUCTION

To provide a more meaningful measure of general health, responses to DEI5365 were rescored in terms of means of the participants' scaled values for the variable CURNT. First, all participants who chose each of the 4 response categories for DEI5365 were identified. Then the previously calculated values for CURNT of all participants in each response category were averaged, and all participants in a given category were assigned that mean value as their individual value for EGFP. For example, all who responded "1. Excellent" to DEI5365 were assigned a value of 39.545 for EGFP, since 39.545 was the mean value of CURNT for that group of participants.

EGFP = 39.545 IF DEI5365 = 1
 = 33.850 IF DEI5365 = 2
 = 25.589 IF DEI5365 = 3
 = 15.456 IF DEI5365 = 4

EGFPX	VALUE	FREQ	CUM FREQ	%	CUM %
	15.456	789	57	1.12	1.12
	25.589	550	607	10.82	11.94
	33.850	2846	3453	56.00	67.95
	39.545	1629	5082	32.05	100.00

VARIABLE	EGFPX	ADULT HSA GENERAL HEALTH
General Health Rating at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
15.456	- Poor	
25.589	- Fair	
33.850	- Good	
39.545	- Excellent	
EGFPX rates the participant's general health at exit as excellent, good, fair, or poor.		

INPUT VARIABLE

DEI5365 {In general, would you say your health is excellent, good,
fair, or poor}

CONSTRUCTION

To provide a more meaningful measure of general health, responses to DEI5365 were rescored in terms of means of the participants' scaled values for the variable CURNT. First, all participants who chose each of the 4 response categories for DEI5365 were identified. Then the previously calculated values for CURNT of all participants in each response category were averaged, and all participants in a given category were assigned that mean value as their individual value for EGFP. For example, all who responded "1. Excellent" to DEI5365 were assigned a value of 39.545 for EGFP, since 39.545 was the mean value of CURNT for that group of participants.

EGFPX = 39.545 IF DEI5365 = 1
 = 33.850 IF DEI5365 = 2
 = 25.589 IF DEI5365 = 3
 = 15.456 IF DEI5365 = 4

CIG	VALUE	FREQ	CUM FREQ	%	CUM %
	1	777	2325	45.64	45.64
	2	2325	3180	16.78	62.43
	3	855	5094	37.57	100.00
		1914			

VARIABLE	CIG	ADULT HSA HEALTH HABITS
Cigarette Smoking Status at Enrollment		
CODES		
1 - Missing includes those under 14 years, those with no MIQA, and item nonresponse		
2 - Never smoked cigarettes		
3 - Former cigarette smoker		
4 - Current cigarette smoker		
CIG specifies whether, at enrollment, the participant smoked or had ever smoked cigarettes fairly regularly.		

INPUT VARIABLES

DEI3807 (Whether participant has ever smoked with some regularity)
DEI3810 (Whether participant smokes cigarettes now)

CONSTRUCTION

(Dayton)

CIG = 1 IF DEI3807 = 2
= 2 IF DEI3807 = 1 AND DEI3810 = 2
= 3 IF DEI3807 = 1 AND DEI3810 = 1
= . IF DEI3807 = . OR (DEI3807 = 1 AND DEI3810 = .)

(NonDayton)

CIG = 1 IF DEI3810 = 2 AND DEI3807 = 2
= 2 IF DEI3810 = 2 AND DEI3807 = 1
= 3 IF DEI3810 = 1
= . IF (DEI3810 = 2 AND DEI3807 = .) OR DEI3810 = .

VARIABLE	CIGX	ADULT HSA HEALTH HABITS
Cigarette Smoking Status at Exit		
CODES		
1		- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse
2		1 - Never smoked cigarettes
3		2 - Former cigarette smoker
		3 - Current cigarette smoker
		CIGX specifies whether, at exit, the participant smoked or had ever smoked cigarettes fairly regularly.

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
DE13810 (Whether participant smokes cigarettes now)

CONSTRUCTION

CIGX = 1 IF DE13810 = 2 AND DE13807 = 2
= 2 IF DE13810 = 2 AND DE13807 = 1
= 3 IF DE13810 = 1
= . IF (DE13810 = 2 AND DE13807 = .) OR DE13810 = .

CIGX VALUE	FREQ	CUM FREQ	%	CUM %
1	820			
2	2464	2464	48.78	48.78
3	933	3397	18.47	67.25
	1654	5051	32.75	100.00

VARIABLE	CAMTX	ADULT HSA HEALTH HABITS
Current Cigarette Smoker:	Amount Participant Smoked at Exit	
CODES		
.	- Missing includes those who never smoked, former smokers, those not completing the experiment, those with no MHQA, and item nonresponse	
1	- Less than one pack a day	
2	- About one pack a day	
3	- About two packs a day	
4	- More than two packs a day	
	CAMTX specifies, for current cigarette smokers only, the amount smoked daily (scored as an ordinal variable) at exit.	

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
DE13810 (Whether participant smokes cigarettes now)
DE13812 (Packs of cigarettes participant smokes per day)

CONSTRUCTION

CAMTX = DE13812 IF DE13810 = 1
= . IF (DE13810 = 2 AND DE13807 = 2) OR (DE13810 = 2
AND DE13807 = 1) OR DE13810 = . OR (DE13810 = 2
AND DE13807 = .)

CAMTX VALUE	FREQ	CUM FREQ	%	CUM %
1	4220	603	36.52	36.52
2	603	1297	42.04	78.56
3	694	1609	18.90	97.46
4	312	1651	2.54	100.00
	42			

CDUR	CDUR	FREQ	CUM		CUM
VALUE			FREQ	%	%
1	3963	176	176	9.22	9.22
2	176	367	543	19.24	28.46
3	383	926	926	20.07	48.53
4	286	1212	1212	14.99	63.52
5	248	1460	1460	13.00	76.52
6	151	1611	1611	7.91	84.43
7	121	1732	1732	6.34	90.78
8	85	1817	1817	4.46	95.23
9	63	1880	1880	3.30	98.53
10	28	1908	1908	1.47	100.00

VARIABLE	CDUR	ADULT HSA HEALTH HABITS
Current Cigarette Smoker:	Number of Years Participant Smoked at Enrollment	
CODES		
1 - Missing includes those who never smoked, former smokers, those under 14 years, those with no MHQA, and item nonresponse		
2 - Less than 2 years		
3 - 2 - 5 years		
4 - 6 - 10 years		
5 - 11 - 15 years		
6 - 16 - 20 years		
7 - 21 - 25 years		
8 - 26 - 30 years		
9 - 31 - 35 years		
10 - 36 - 40 years		
11 - More than 40 years		
CDUR specifies, for current cigarette smokers only, the length of time, at enrollment, that the participant had been smoking (scored as an ordinal variable).		

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
DE13808 (Dayton only -- Number of years participant has smoked)
DE13810 (Whether participant smokes cigarettes now)
DE18823 (NonDayton only -- Number of years participant has smoked)

(cont.)

VARIABLE CDUR (cont.)

CONSTRUCTION

{Dayton}

IF DE13810 = 1 THEN DO

CDUR = 1	IF DE13808 = 0	- 1.9
= 2	IF DE13808 = 2	- 5
= 3	IF DE13808 = 6	- 10
= 4	IF DE13808 = 11	- 15
= 5	IF DE13808 = 16	- 20
= 6	IF DE13808 = 21	- 25
= 7	IF DE13808 = 26	- 30
= 8	IF DE13808 = 31	- 35
= 9	IF DE13808 = 36	- 40
= 10	IF DE13808 > 40	

END

CDUR = . IF DE13810 = . OR (DE13807 = 1 AND DE13810 = 2)
OR DE13807 = 2

(NonDayton)

IF DE13810 = 1 THEN DO

CDUR = DE18823
= 10 IF DE18823 = 0

END

CDUR = . IF (DE13810 = 2 AND DE13807 = 2) OR (DE13810 = 2
AND DE13807 = 1) OR (DE13810 = .) OR (DE13810 = 2
AND DE13807 = .)

CDURX VALUE	FREQ	CUM FREQ	%	CUM %
1	4225	155	9.42	9.42
2	155	410	15.49	24.91
3	255	691	17.07	41.98
4	281	965	16.65	58.63
5	274	1189	13.61	72.24
6	224	1352	9.90	82.14
7	163	1442	5.47	87.61
8	90	1524	4.98	92.59
9	82	1598	4.50	97.08
10	74	1646	2.92	100.00

VARIABLE	CDURX	ADULT HSA HEALTH HABITS
Current Cigarette Smoker:	Number of Years Participant Smoked at Exit	
CODES		
1	- Missing includes those who never smoked, former smokers, those not completing the experiment, those with no MHQA, and item nonresponse	
2	- Less than 2 years	
3	- 2 - 5 years	
4	- 6 - 10 years	
5	- 11 - 15 years	
6	- 16 - 20 years	
7	- 21 - 25 years	
8	- 26 - 30 years	
9	- 31 - 35 years	
10	- 36 - 40 years	
	- More than 40 years	
CDURX specifies, for current cigarette smokers only, the length of time, at exit, that the participant had been smoking (scored as an ordinal variable).		

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
DE13810 (Whether participant smokes cigarettes now)
DE18823 (Number of years participant has smoked)

CONSTRUCTION

```

IF DE13810 = 1 THEN DO
  CDURX = DE18823
  = 10 IF DE18823 = 0
END

CDURX = . IF (DE13810 = 2 AND DE13807 = 2) OR (DE13810 = 2
AND DE13807 = 1) OR DE13810 = . OR (DE13810 = 2
AND DE13807 = .)

```


VARIABLE XAMTX (cont.)
 CONSTRUCTION (cont.)
 (NonDayton)

XAMTX = DE18826 IF DE13810 = 2 AND DE13807 = 1
 = . IF DE13810 = 1 OR (DE13810 = 2 AND DE13807 = 2) OR
 DE13810 = . OR (DE13810 = 2 AND DE13807 = .)

XAMTX VALUE	FREQ	CUM FREQ	%	CUM %
1	4939	357	38.31	38.31
2	357	761	43.35	81.65
3	404	890	13.84	95.49
4	129	932	4.51	100.00

VARIABLE XAMTX ADULT HSA
 HEALTH HABITS

Former Cigarette Smoker: Amount Participant Smoked, when
 Used To Smoke, at Exit

CODES

- 1 - Missing includes those who never smoked, current smokers, those not completing the experiment, those with no MHQA, and item nonresponse
- 2 - Less than one pack a day
- 3 - About one pack a day
- 4 - About two packs a day
- 5 - More than two packs a day

XAMTX specifies, for former cigarette smokers only, the amount previously smoked daily (scored as an ordinal variable) at exit.

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
 DE13810 (Whether participant smokes cigarettes now)
 DE18826 (Packs smoked per day when participant smoked)

CONSTRUCTION

XAMTX = DE18826 IF DE13810 = 2 AND DE13807 = 1
 = . IF DE13810 = 1 OR (DE13810 = 2 AND DE13807 = 2)
 OR DE13810 = . OR (DE13810 = 2 AND DE13807 = .)

VARIABLE	XDUR	ADULT HSA HEALTH HABITS
Former Cigarette Smoker:	Number of Years Participant Smoked, When Used To Smoke, at Enrollment	
CODES		
1	- Missing includes those who never smoked, current smokers, those under 14 years, those with no MIQA, and item nonresponse	
2	- Less than 2 years	
3	- 2 to 5 years	
4	- 6 to 10 years	
5	- 11 to 15 years	
6	- 16 to 20 years	
7	- 21 to 25 years	
8	- 26 to 30 years	
9	- 31 to 35 years	
10	- 36 to 40 years	
	- More than 40 years	
	XDUR specifies, for former cigarette smokers only, the length of time, at enrollment, that the participant had smoked before stopping (scored as an ordinal variable).	

INPUT VARIABLES

- DE13807 (Whether participant has ever smoked with some regularity)
- DE13808 (Dayton only -- Number of years participant has smoked)
- DE13810 (Whether participant smokes cigarettes now)
- DE18825 (NonDayton only -- Number of years participant has smoked)

(cont.)

XDUR VALUE	FREQ	CUM FREQ	%	CUM %
1	5017	128	14.99	14.99
2	128	351	26.11	41.10
3	223	524	20.26	61.36
4	173	638	13.35	74.71
5	114	731	10.89	85.60
6	93	779	5.62	91.22
7	48	819	4.68	95.90
8	40	838	2.23	98.13
9	19	849	1.29	99.42
10	11	854	0.59	100.00
	5			

VARIABLE XDUR (cont.)

CONSTRUCTION

{Dayton}

IF DE13807 = 1 AND DE13810 = 2 THEN DO

XDUR = 1	IF DE13808 = 0 - 1.9
= 2	IF DE13808 = 2 - 5
= 3	IF DE13808 = 6 - 10
= 4	IF DE13808 = 11 - 15
= 5	IF DE13808 = 16 - 20
= 6	IF DE13808 = 21 - 25
= 7	IF DE13808 = 26 - 30
= 8	IF DE13808 = 31 - 35
= 9	IF DE13808 = 36 - 40
= 10	IF DE13808 > 40

END

XDUR = . IF {DE13807 = 1 AND DE13810 = 2} OR {DE13807 = 1
AND DE13810 = .} OR {DE13807 = . AND DE13810 = .}
OR DE13807 = 2 OR DE13810 = 1

{NonDayton}

IF DE13810 = 2 AND DE13807 = 1 THEN DO

XDUR = DE18825
= 10 IF DE18825 = 0

END

XDUR = . IF DE13810 = 1 OR {DE13810 = 2 AND DE13807 = 2}
OR DE13810 = . OR {DE13810 = 2 AND DE13807 = .}

VARIABLE	XDURX	ADULT HSA HEALTH HABITS
Former Cigarette Smoker:	Number of Years Participant Smoked, When Used To Smoke, at Exit	
CODES		
1 - Missing includes those who never smoked, current smokers, those not completing the experiment, those with no MHQA, and item nonresponse		
2 - Less than 2 years		
3 - 2 to 5 years		
4 - 6 to 10 years		
5 - 11 to 15 years		
6 - 16 to 20 years		
7 - 21 to 25 years		
8 - 26 to 30 years		
9 - 31 to 35 years		
10 - 36 to 40 years		
11 - More than 40 years		

VARIABLE	XDURX	ADULT HSA HEALTH HABITS
Former Cigarette Smoker:	Number of Years Participant Smoked, When Used To Smoke, at Exit	
CODES		
1 - Missing includes those who never smoked, current smokers, those not completing the experiment, those with no MHQA, and item nonresponse		
2 - Less than 2 years		
3 - 2 to 5 years		
4 - 6 to 10 years		
5 - 11 to 15 years		
6 - 16 to 20 years		
7 - 21 to 25 years		
8 - 26 to 30 years		
9 - 31 to 35 years		
10 - 36 to 40 years		
11 - More than 40 years		

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
DE13810 (Whether participant smokes cigarettes now)
DE18825 (Number of years participant has smoked)

CONSTRUCTION

IF DE13810 = 2 AND DE13807 = 1 THEN DO

XDURX = DE18825
= 10 IF DE18825 = 0

END

XDURX = . IF DE13810 = 1 OR (DE13810 = 2 AND DE13807 = 2)
OR DE13810 = . OR (DE13810 = 2 AND DE13807 = .)
(cont.)

XDURX	VALUE	FREQ	CUM FREQ	%	CUM %
1	144	4940	144	15.47	15.47
2	239	144	383	25.67	41.14
3	174	239	557	18.69	59.83
4	128	174	685	13.75	73.58
5	106	128	791	11.39	84.96
6	54	106	845	5.80	90.76
7	36	54	881	3.87	94.63
8	29	36	910	3.12	97.74
9	14	29	924	1.50	99.25
10	7	14	931	0.75	100.00

VARIABLE XDURX (cont.)

CONSTRUCTION (cont.)

XSTOP = . IF (DE13807 = 1 AND DE13810 = 2 AND DE13811 = .)
OR (DE13807 = 1 AND (DE13810 = . OR DE13811 = .))
OR DE13807 = 2 OR DE13810 = 1

(NonDayton)

XSTOP = DE18827 IF DE13810 = 2 AND DE13807 = 1

= . IF DE13810 = 1 OR (DE13810 = 2 AND DE13807 = 2)
OR DE13810 = . OR (DE13810 = 2 AND DE13807 = .)

XSTOPX	VALUE	FREQ	CUM FREQ	%	CUM %
	1	4940	100	10.74	10.74
	2	100	168	7.30	18.05
	3	83	251	8.92	26.96
	4	179	430	19.23	46.19
	5	501	931	53.81	100.00

1 192 1

VARIABLE XSTOPX ADULT HSA
HEALTH HABITS

Former Cigarette Smoker: Length of Time Since Participant
Stopped Smoking at Exit

CODES

- Missing includes those who never smoked, current smokers,
those not completing the experiment, those with no MHQA,
and item nonresponse
- 1 - Six months or less
- 2 - Seven months to one year
- 3 - More than one year and up to two years
- 4 - More than two years and up to five years
- 5 - More than five years

XSTOPX specifies, for former cigarette smokers only, the length
of time, at exit, since the participant had stopped smoking
(scored as an ordinal variable).

(cont.)

VARIABLE XSTOPX (cont.)

INPUT VARIABLES

DE13807 (Whether participant has ever smoked with some regularity)
 DE13810 (Whether participant smokes cigarettes now)
 DE18827 (Length of time since participant smoked regularly)

CONSTRUCTION

XSTOPX = DE18827 IF DE13810 = 2 AND DE13807 = 1
 = . IF DE13810 = 1 OR (DE13810 = 2 AND DE13807 = 2)
 OR DE13810 = . OR (DE13810 = 2 AND DE13807 = .)

VARIABLE MOVOL

Monthly Volume of Ethanol Consumed at Enrollment

CODES

. - Missing includes those under 14 years, those with no
 MHQA, and item nonresponse

MOVOL specifies the quantity of ethanol (in ounces) consumed
 by the participant monthly in beer, wine, and liquor at
 enrollment.

MOVOL

NUMBER OF OBSERVATIONS 5036
 NUMBER OF MISSING 835
 MEAN 11.37
 MEDIAN 2.08
 MINIMUM VALUE 0.00
 MAXIMUM VALUE 475.00
 STANDARD DEVIATION 26.97
 COEFFICIENT OF VARIATION 237.13
 SKEWNESS 6.60
 KURTOSIS 68.17

INPUT VARIABLES

DE13814 (Have you ever had a drink of beer, wine, or liquor)
 DE13815 (Dayton only -- During the 12 months of your life when you
 were drinking the most, about how often did you drink)
 DE13816 (Dayton only -- During the past 12 months, about how often
 did you drink)
 DE13817 (Dayton only -- How often do you currently drink beer)
 DE13818 (How much beer do you usually drink in 24 hours)
 DE13819 (Dayton only -- How often do you currently drink wine)
 DE13820 (Dayton only -- How often do you currently drink liquor)
 DE13821 (How much wine do you usually drink in 24 hours)
 DE13822 (How much liquor do you usually drink in 24 hours)
 (cont.)

VARIABLE MOVOL (cont.)

INPUT VARIABLES (cont.)

DE18829 (NonDayton only -- How often did you drink beer, wine, or
liquor during the 12 months of your life when you drank
the most)
DE18830 (NonDayton only -- During the past 12 months, how often
did you drink beer, wine, or liquor)
DE18831 (NonDayton only -- How often do you currently drink beer)
DE18832 (NonDayton only -- How often do you currently drink wine)
DE18833 (NonDayton only -- How often do you currently drink hard
liquor)
QBEER (Temporary variable -- Amount of beer drunk in one day)
QWINE (Temporary variable -- Amount of wine drunk in one day)
QLIQ (Temporary variable -- Amount of liquor drunk in one day)
QFBEER (Temporary variable -- Quantity of ethanol consumed in beer
per year)
QFWINE (Temporary variable -- Quantity of ethanol consumed in wine
per year)
QFLIQ (Temporary variable -- Quantity of ethanol consumed in
liquor per year)
DBEER (Temporary variable -- Did participant drink beer)
DWINE (Temporary variable -- Did participant drink wine)
DLIQ (Temporary variable -- Did participant drink liquor)

CONSTRUCTION

{Dayton}

STEP 1:

The quantity of beer, wine, and liquor consumed was recoded to
indicate the number of ounces of ethanol consumed. The number of
ounces of fluid (one bottle of beer = 12 ounces; one bottle of
wine = 26 ounces; one glass of wine = 4 ounces; one fifth of
liquor = 30 ounces) was multiplied by the ethanol content per ounce
(.04 for beer; .15 for wine; .45 for liquor).

QBEER = 238 * .04 IF DE13818 = 1
= 153 * .04 IF DE13818 = 2
= 85 * .04 IF DE13818 = 3
= 34 * .04 IF DE13818 = 4
= 24 * .04 IF DE13818 = 5
= 12 * .04 IF DE13818 = 6

(cont.)

VARIABLE MOVOL (cont.)

CONSTRUCTION (cont.)

QWINE = 104 * .15 IF DE13821 = 1
 = 52 * .15 IF DE13821 = 2
 = 26 * .15 IF DE13821 = 3
 = 22 * .15 IF DE13821 = 4
 = 14 * .15 IF DE13821 = 5
 = 6 * .15 IF DE13821 = 6

QLIQ = 45 * .45 IF DE13822 = 1
 = 30 * .45 IF DE13822 = 2
 = 23 * .45 IF DE13822 = 3
 = 16 * .45 IF DE13822 = 4
 = 13 * .45 IF DE13822 = 5
 = 8.5 * .45 IF DE13822 = 6
 = 5 * .45 IF DE13822 = 7
 = 2 * .45 IF DE13822 = 8

STEP 2:

The number of days per year on which the participant drank each type of alcohol was based on responses to frequency questions. The number of days was multiplied by the quantity of ethanol consumed per day for each type of alcohol (QF = quantity * frequency).

QFBEER = QBEER * 3 IF DE13817 = 1
 = QBEER * 7.5 IF DE13817 = 2
 = QBEER * 48 IF DE13817 = 3
 = QBEER * 130 IF DE13817 = 4
 = QBEER * 300 IF DE13817 = 5
 = QBEER * 365 IF DE13817 = 6
 = QBEER * 0 IF DE13817 = 9

QFWINE = QWINE * 3 IF DE13819 = 1
 = QWINE * 7.5 IF DE13819 = 2
 = QWINE * 48 IF DE13819 = 3
 = QWINE * 130 IF DE13819 = 4
 = QWINE * 300 IF DE13819 = 5
 = QWINE * 365 IF DE13819 = 6
 = QWINE * 0 IF DE13819 = 9

(cont.)

VARIABLE MDVOL (cont.)

CONSTRUCTION (cont.)

```

QFLIQ = QLIQ * 3 IF DE13820 = 1
      = QLIQ * 7.5 IF DE13820 = 2
      = QLIQ * 48 IF DE13820 = 3
      = QLIQ * 130 IF DE13820 = 4
      = QLIQ * 300 IF DE13820 = 5
      = QLIQ * 365 IF DE13820 = 6
      = QLIQ * 0 IF DE13820 = 9

```

STEP 3:

Whether or not the participant drank each type of alcohol was calculated as shown in SAS code below:

```

IF DE13814 = 2 OR DE13815 = 1 OR DE13815 = 9 OR
DE13816 = 1 OR DE13816 = 9 OR DE13817 = 9
THEN DBEER = 0;
ELSE IF (1 <= DE13817 <= 6 AND 1 <= DE13818 <= 6)
THEN DBEER = 1;
ELSE IF (1 <= DE13817 <= 6 AND DE13818 < 0) OR
(DE13817 < 0 AND 1 <= DE13818 <= 6)
THEN DBEER = .;

IF DE13814 = 2 OR DE13815 = 1 OR DE13815 = 9 OR
DE13816 = 1 OR DE13816 = 9 OR DE13819 = 9
THEN DWINE = 0;
ELSE IF (1 <= DE13819 <= 6 AND 1 <= DE13821 <= 6)
THEN DWINE = 1;
ELSE IF (1 <= DE13819 <= 6 AND DE13821 < 0) OR
(DE13819 < 0 AND 1 <= DE13821 <= 6)
THEN DWINE = .;

IF DE13814 = 2 OR DE13815 = 1 OR DE13815 = 9 OR
DE13816 = 1 OR DE13816 = 9 OR DE13820 = 9
THEN DLIQ = 0;
ELSE IF (1 <= DE13820 <= 6 AND 1 <= DE13822 <= 8)
THEN DLIQ = 1;
ELSE IF (1 <= DE13820 <= 6 AND DE13822 < 0) OR
(DE13820 < 0 AND 1 <= DE13822 <= 8)
THEN DLIQ = .;

```

(cont.)

VARIABLE MOVOL (cont.)

CONSTRUCTION (cont.)

STEP 4:

The total annual volume of ethanol consumed was calculated by summing across the annual volume for each type of alcohol. Monthly volume was calculated by dividing the annual volume by 12.

```

MOVOL = 0 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 0
      = QPBEER/12 IF DBEER = 1 AND DWINE = 0 AND DLIQ = 0
      = QFWINE/12 IF DBEER = 0 AND DWINE = 1 AND DLIQ = 0
      = QFLIQ/12 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 1
      = (QPBEER + QFLIQ)/12 IF DBEER = 1 AND DWINE = 0 AND
        DLIQ = 1
      = (QFWINE + QFLIQ)/12 IF DBEER = 0 AND DWINE = 1 AND
        DLIQ = 1
      = (QPBEER + QFWINE)/12 IF DBEER = 1 AND DWINE = 1 AND
        DLIQ = 0
      = (QPBEER + QFWINE + QFLIQ)/12 IF DBEER = 1 AND
        DWINE = 1 AND DLIQ = 1
      = . IF DBEER = . AND DWINE = . AND DLIQ = .

```

(NonDayton)

STEP 1:

The quantity of beer, wine, and liquor consumed was recoded to indicate the number of ounces of ethanol consumed. The number of ounces of fluid (one bottle of beer = 12 ounces; one bottle of wine = 26 ounces; one glass of wine = 4 ounces; one fifth of liquor = 30 ounces) was multiplied by the ethanol content per ounce (.04 for beer; .15 for wine; .45 for liquor).

```

QBEER = 238 * .04 IF DE13818 = 1
      = 153 * .04 IF DE13818 = 2
      = 85 * .04 IF DE13818 = 3
      = 34 * .04 IF DE13818 = 4
      = 24 * .04 IF DE13818 = 5
      = 12 * .04 IF DE13818 = 6

QWINE = 104 * .15 IF DE13821 = 1
      = 52 * .15 IF DE13821 = 2
      = 26 * .15 IF DE13821 = 3
      = 22 * .15 IF DE13821 = 4
      = 14 * .15 IF DE13821 = 5
      = 6 * .15 IF DE13821 = 6
      = 0 * .15 IF DE13821 = 7

```

(cont.)

VARIABLE MOVOL (cont.)

CONSTRUCTION (cont.)

QLIQ = 45 * .45 IF DE13822 = 1
 = 30 * .45 IF DE13822 = 2
 = 23 * .45 IF DE13822 = 3
 = 16 * .45 IF DE13822 = 4
 = 13 * .45 IF DE13822 = 5
 = 8.5 * .45 IF DE13822 = 6
 = 5 * .45 IF DE13822 = 7
 = 2 * .45 IF DE13822 = 8

STEP 2:

The number of days per year on which the participant drank each type of alcohol was based on responses to frequency questions. The number of days was multiplied by the quantity of ethanol consumed per day for each type of alcohol (QF = quantity * frequency).

QFBEER = QBEER * 365 IF DE18831 = 1
 = QBEER * 300 IF DE18831 = 2
 = QBEER * 182 IF DE18831 = 3
 = QBEER * 78 IF DE18831 = 4
 = QBEER * 24 IF DE18831 = 5
 = QBEER * 7.5 IF DE18831 = 6
 = QBEER * 3 IF DE18831 = 7
 = QBEER * 0 IF DE18831 = 8

QFWINE = QWINE * 365 IF DE18832 = 1
 = QWINE * 300 IF DE18832 = 2
 = QWINE * 182 IF DE18832 = 3
 = QWINE * 78 IF DE18832 = 4
 = QWINE * 24 IF DE18832 = 5
 = QWINE * 7.5 IF DE18832 = 6
 = QWINE * 3 IF DE18832 = 7
 = QWINE * 0 IF DE18832 = 8

QFLIQ = QLIQ * 365 IF DE18833 = 1
 = QLIQ * 300 IF DE18833 = 2
 = QLIQ * 182 IF DE18833 = 3
 = QLIQ * 78 IF DE18833 = 4
 = QLIQ * 24 IF DE18833 = 5
 = QLIQ * 7.5 IF DE18833 = 6
 = QLIQ * 3 IF DE18833 = 7
 = QLIQ * 0 IF DE18833 = 8

(cont.)

VARIABLE MOVOL (cont.)
CONSTRUCTION (cont.)

STEP 3:

Whether or not the participant drank each type of alcohol was calculated as shown in SAS code below:

```
IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR  
DE18831 = 8 THEN DBEER = 0;  
ELSE IF (1 <= DE18831 <= 7 AND 1 <= DE13818 <= 6)  
THEN DBEER = 1;  
ELSE IF (1 <= DE18831 <= 7 AND DE13818 < 0) OR  
(DE18831 < 0 AND 1 <= DE13818 <= 6)  
THEN DBEER = .;
```

```
IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR  
DE18832 = 8 THEN DWINE = 0;  
ELSE IF (1 <= DE18832 <= 7 AND 1 <= DE13821 <= 7)  
THEN DWINE = 1;  
ELSE IF (1 <= DE18832 <= 7 AND DE13821 < 0) OR  
(DE18832 < 0 AND 1 <= DE13821 <= 7)  
THEN DWINE = .;
```

```
IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR  
DE18833 = 8 THEN DLIQ = 0;  
ELSE IF (1 <= DE18833 <= 7 AND 1 <= DE13822 <= 8)  
THEN DLIQ = 1;  
ELSE IF (1 <= DE18833 <= 7 AND DE13822 < 0) OR  
(DE18833 < 0 AND 1 <= DE13822 <= 8)  
THEN DLIQ = .;
```

STEP 4:

The total annual volume of ethanol consumed was calculated by summing across the annual volume for each type of alcohol. Monthly volume was calculated by dividing the annual volume by 12.

```
MOVOL = 0 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 0  
= QFBEER/12 IF DBEER = 1 AND DWINE = 0 AND DLIQ = 0  
= QFWINE/12 IF DBEER = 0 AND DWINE = 1 AND DLIQ = 0  
= QFLIQ/12 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 1  
= (QFBEER + QFLIQ)/12 IF DBEER = 1 AND DWINE = 0 AND  
DLIQ = 1  
= (QFWINE + QFLIQ)/12 IF DBEER = 0 AND DWINE = 1 AND  
DLIQ = 1  
= (QFBEER + QFWINE)/12 IF DBEER = 1 AND DWINE = 1 AND  
DLIQ = 0  
= (QFBEER + QFWINE + QFLIQ)/12 IF DBEER = 1 AND  
DWINE = 1 AND DLIQ = 1  
= . IF DBEER = . AND DWINE = . AND DLIQ = .
```

MOVOLX

NUMBER OF OBSERVATIONS	4986
NUMBER OF MISSING	885
MEAN	11.90
MEDIAN	1.89
MINIMUM VALUE	0.00
MAXIMUM VALUE	666.94
STANDARD DEVIATION	31.25
COEFFICIENT OF VARIATION	262.59
SKEWNESS	8.15
KURTOSIS	104.06

VARIABLE	MOVOLX	ADULT HSA HEALTH HABITS
Monthly Volume of Ethanol Consumed at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
MOVOLX specifies the quantity of ethanol (in ounces) consumed by the participant monthly in beer, wine, and liquor at exit.		

INPUT VARIABLES

DE13814 (Have you ever had a drink of beer, wine, or liquor)
DE13818 (How much beer do you usually drink in 24 hours)
DE13821 (How much wine do you usually drink in 24 hours)
DE13822 (How much liquor do you usually drink in 24 hours)
DE18829 (How often did you drink beer, wine, or liquor during the
12 months of your life when you drank the most)
DE18830 (During the past 12 months, how often did you drink beer,
wine, or liquor)
DE18831 (How often do you currently drink beer)
DE18832 (How often do you currently drink wine)
DE18833 (How often do you currently drink hard liquor)
QBEEER (Temporary variable -- Amount of beer drunk in one day)
QWINE (Temporary variable -- Amount of wine drunk in one day)
QLTIQ (Temporary variable -- Amount of liquor drunk in one day)
QFBEER (Temporary variable -- Quantity of ethanol consumed in
beer per year)
QFWINE (Temporary variable -- Quantity of ethanol consumed in
wine per year)
QFLTIQ (Temporary variable -- Quantity of ethanol consumed in
liquor per year)
DBEER (Temporary variable -- Did participant drink beer)
DWINE (Temporary variable -- Did participant drink wine)
DLTIQ (Temporary variable -- Did participant drink liquor)
(cont.)

VARIABLE MOVOLX (cont.)

CONSTRUCTION

STEP 1:

The quantity of beer, wine, and liquor consumed was recoded to indicate the number of ounces of ethanol consumed. The number of ounces of fluid (one bottle of beer = 12 ounces; one bottle of wine = 26 ounces; one glass of wine = 4 ounces; one fifth of liquor = 30 ounces) was multiplied by the ethanol content per ounce (.04 for beer; .15 for wine; .45 for liquor).

QBEER = 238 * .04 IF DE13818 = 1
 = 153 * .04 IF DE13818 = 2
 = 85 * .04 IF DE13818 = 3
 = 34 * .04 IF DE13818 = 4
 = 24 * .04 IF DE13818 = 5
 = 12 * .04 IF DE13818 = 6

QWINE = 104 * .15 IF DE13821 = 1
 = 52 * .15 IF DE13821 = 2
 = 26 * .15 IF DE13821 = 3
 = 22 * .15 IF DE13821 = 4
 = 14 * .15 IF DE13821 = 5
 = 6 * .15 IF DE13821 = 6
 = 0 * .15 IF DE13821 = 7

QLIQ = 45 * .45 IF DE13822 = 1
 = 30 * .45 IF DE13822 = 2
 = 23 * .45 IF DE13822 = 3
 = 16 * .45 IF DE13822 = 4
 = 13 * .45 IF DE13822 = 5
 = 8.5 * .45 IF DE13822 = 6
 = 5 * .45 IF DE13822 = 7
 = 2 * .45 IF DE13822 = 8

(cont.)

VARIABLE MOVOLX (cont.)

CONSTRUCTION (cont.)

STEP 2:

The number of days per year on which the participant drank each type of alcohol was based on responses to frequency questions. The number of days was multiplied by the quantity of ethanol consumed per day for each type of alcohol (QF = quantity * frequency).

QFBEER = QBEER * 365 IF DE18831 = 1
 = QBEER * 300 IF DE18831 = 2
 = QBEER * 182 IF DE18831 = 3
 = QBEER * 78 IF DE18831 = 4
 = QBEER * 24 IF DE18831 = 5
 = QBEER * 7.5 IF DE18831 = 6
 = QBEER * 3 IF DE18831 = 7
 = QBEER * 0 IF DE18831 = 8

QFWINE = QWINE * 365 IF DE18832 = 1
 = QWINE * 300 IF DE18832 = 2
 = QWINE * 182 IF DE18832 = 3
 = QWINE * 78 IF DE18832 = 4
 = QWINE * 24 IF DE18832 = 5
 = QWINE * 7.5 IF DE18832 = 6
 = QWINE * 3 IF DE18832 = 7
 = QWINE * 0 IF DE18832 = 8

QFLIQ = QLIQ * 365 IF DE18833 = 1
 = QLIQ * 300 IF DE18833 = 2
 = QLIQ * 182 IF DE18833 = 3
 = QLIQ * 78 IF DE18833 = 4
 = QLIQ * 24 IF DE18833 = 5
 = QLIQ * 7.5 IF DE18833 = 6
 = QLIQ * 3 IF DE18833 = 7
 = QLIQ * 0 IF DE18833 = 8

STEP 3:

Whether or not the participant drank each type of alcohol was calculated as shown in SAS code below:

(cont.)

VARIABLE MOVOLX (cont.)

CONSTRUCTION (cont.)

```

IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR
DE18831 = 8 THEN DBEER = 0;
ELSE IF {1 <= DE18831 <= 7 AND 1 <= DE13818 <= 6}
THEN DBEER = 1;
ELSE IF {1 <= DE18831 <= 7 AND DE13818 < 0} OR
{DE18831 < 0 AND 1 <= DE13818 <= 6}
THEN DBEER = .;

```

```

IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR
DE18832 = 8 THEN DWINE = 0;
ELSE IF {1 <= DE18832 <= 7 AND 1 <= DE13821 <= 7}
THEN DWINE = 1;
ELSE IF {1 <= DE18832 <= 7 AND DE13821 < 0} OR
{DE18832 < 0 AND 1 <= DE13821 <= 7}
THEN DWINE = .;

```

```

IF DE13814 = 2 OR DE18829 = 7 OR 7 <= DE18830 <= 8 OR
DE18833 = 8 THEN DLIQ = 0;
ELSE IF {1 <= DE18833 <= 7 AND 1 <= DE13822 <= 8}
THEN DLIQ = 1;
ELSE IF {1 <= DE18833 <= 7 AND DE13822 < 0} OR
{DE18833 < 0 AND 1 <= DE13822 <= 8}
THEN DLIQ = .;

```

STEP 4:

The total annual volume of ethanol consumed was calculated by summing across the annual volume for each type of alcohol. Monthly volume was calculated by dividing the annual volume by 12.

```

MOVOLX = 0 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 0
= QFBEER/12 IF DBEER = 1 AND DWINE = 0 AND DLIQ = 0
= QFWINE/12 IF DBEER = 0 AND DWINE = 1 AND DLIQ = 0
= QFLIQ/12 IF DBEER = 0 AND DWINE = 0 AND DLIQ = 1
= (QFBEER + QFLIQ)/12 IF DBEER = 1 AND DWINE = 0 AND
DLIQ = 1
= (QFWINE + QFLIQ)/12 IF DBEER = 0 AND DWINE = 1 AND
DLIQ = 1
= (QFBEER + QFWINE)/12 IF DBEER = 1 AND DWINE = 1 AND
DLIQ = 0
= (QFBEER + QFWINE + QFLIQ)/12 IF DBEER = 1 AND
DWINE = 1 AND DLIQ = 1
= . IF DBEER = . AND DWINE = . AND DLIQ = .

```

PDRNK	VALUE	FREQ	CUM FREQ	%	CUM %
	0	698	4769	92.19	92.19
	1	316	5085	6.11	98.30
	2	65	5150	1.26	99.56
	3	16	5166	0.31	99.87
	4	6	5172	0.12	99.98
	5	1	5173	0.02	100.00

VARIABLE	PDRNK	ADULT HSA HEALTH HABITS
Number of Drinking-Related Problems at Enrollment		
CODES		
- Missing includes those under 14 years, those with no MHQA, and item nonresponse		
PDRNK specifies how many problems the participant had at enrollment that were related to drinking. Possible values range from 0 (no problems) to 5 (nonDayton -- all five problems) or 6 (Dayton -- all six problems). The problems were specified by yes answers to certain MHQ questions: for nonDayton participants, DE13826, DE13837, DE18842, DE18843, and DE18844; for Dayton participants, DE13826, DE13827, DE13828, DE13829, DE13837, and DE13838.		

INPUT VARIABLES

DE13814 (Have you ever had a drink of beer, wine, or liquor)
DE13815 (Dayton only -- During the 12 months of your life when you
were drinking the most, about how often did you drink)
DE13816 (Dayton only -- During the past 12 months, about how often
did you drink)
DE13826 (Physician advised you to stop or cut down on your
drinking)
DE13827 (Dayton only -- Physician advised you to stop or cut down
on drinking because of cirrhosis of the liver or
alcoholic liver disease)
DE13828 (Dayton only -- Physician advised you to stop or cut down
on drinking for D.T.s)
DE13829 (Dayton only -- Did the doctor ever tell you to stop or
cut down on drinking for safety when driving)
DE13837 (Has a doctor ever said that you had cirrhosis of the
liver)
DE13838 (Dayton only -- Have you ever been in a car accident (as
a driver or walking) within an hour after drinking)
DE18829 (NonDayton only -- How often did you drink beer, wine,
or liquor during the 12 months of your life when you
drank the most)
DE18830 (NonDayton only -- During the past 12 months, how often
did you drink beer, wine, or liquor)
DE18842 (NonDayton only -- Have you ever had D.T.s (delirium
tremens))
(cont.)

```
VARIABLE PDRNK (cont.)

INPUT VARIABLES (cont.)

DE18843 (NonDayton only -- Required medical attention, while
under the influence of liquor)
DE18844 (NonDayton only -- Had a traffic accident, or been
stopped by police, while driving under the influence)

CONSTRUCTION
(Dayton)

PDRNK was constructed for Dayton participants as shown in SAS code
below:

      IF (DE13814 = 2 OR DE13815 = 1 OR DE13815 = 9) THEN PDRNK = 0;
      ELSE DO;
        TEMP3826 = 0;
        TEMP3827 = 0;
        TEMP3828 = 0;
        TEMP3829 = 0;
        TEMP3837 = 0;
        TEMP3838 = 0;
        IF DE13826 = 1 THEN TEMP3826 = 1;
        IF DE13827 = 1 THEN TEMP3827 = 1;
        IF DE13828 = 1 THEN TEMP3828 = 1;
        IF DE13829 = 1 THEN TEMP3829 = 1;
        IF DE13837 = 1 THEN TEMP3837 = 1;
        IF DE13838 > 1 THEN TEMP3838 = 1;
        PDRNK = TEMP3826 + TEMP3827 + TEMP3828 +
          TEMP3829 + TEMP3837 + TEMP3838;

        IF 1 <= DE13816 <= 9 AND DE13826 = . AND
          DE13827 = . AND DE13828 = . AND DE13829 = . AND
          DE13837 = . AND DE13838 = . THEN PDRNK = .;
        IF DE13814 = . AND DE13815 = . AND DE13816 = .
          THEN PDRNK = .;

      END;

      (cont.)
```

```
VARIABLE PDRNK (cont.)
CONSTRUCTION (cont.)
(NonDayton)

PDRNK was constructed for nonDayton participants as shown in SAS
code below:

  IF (DE13814 = 2 OR DE18829 = 7) THEN PDRNK = 0;
  ELSE DO;
    TEMP3826 = 0;
    TEMP3837 = 0;
    TEMP8842 = 0;
    TEMP8843 = 0;
    TEMP8844 = 0;
    IF DE13826 = 1 THEN TEMP3826 = 1;
    IF DE13837 = 1 THEN TEMP3837 = 1;
    IF DE18842 = 1 THEN TEMP8842 = 1;
    IF DE18843 = 1 THEN TEMP8843 = 1;
    IF DE18844 = 1 THEN TEMP8844 = 1;
    PDRNK = TEMP3826 + TEMP3837 + TEMP8842 +
            TEMP8843 + TEMP8844;
    IF 1 <= DE18830 <= 8 AND DE13826 = . AND
       DE13837 = . AND DE18842 = . AND DE18843 = . AND
       DE18844 = . THEN PDRNK = .;
    IF DE13814 = . AND DE18829 = . AND DE18830 = .
       THEN PDRNK = .;
  END;
```

PDRNKX VALUE	FREQ	CUM FREQ	%	CUM %
0	759	4681	91.57	91.57
1	4681	5003	6.30	97.87
2	322	5083	1.57	99.43
3	80	5104	0.41	99.84
4	21	5111	0.14	99.98
5	7	5112	0.02	100.00

VARIABLE	PDRNKX	ADULT HSA HEALTH HABITS
Number of Drinking-Related Problems at Exit		
CODES		
0		Missing includes those not completing the experiment, those with no MHQA, and item nonresponse
1		PDRNKX specifies how many problems the participant had at exit that were related to drinking. Possible values range from 0 (no problems) to 5 (all five problems). The problems were specified by yes answers to certain MHQ questions: DE13826, DE13837, DE18842, DE18843, and DE18844.

INPUT VARIABLES

DE13814 (Have you ever had a drink of beer, wine, or liquor)
 DE13826 (Physician advised you to stop or cut down on your drinking)
 DE13837 (Has a doctor ever said that you had cirrhosis of the liver)
 DE18829 (How often did you drink beer, wine, or liquor during the
 12 months of your life when you drank the most)
 DE18830 (During the past 12 months, how often did you drink beer,
 wine, or liquor)
 DE18842 (Have you ever had D.T.s (delirium tremens))
 DE18843 (Required medical attention, while under the influence of
 liquor)
 DE18844 (Had a traffic accident, or been stopped by police, while
 driving under the influence)

CONSTRUCTION

PDRNKX was constructed for all participants as shown in SAS code
 below:

(cont.)

```

VARIABLE PDRNKX (cont.)
CONSTRUCTION (cont.)
  IF (DE13814 = 2 OR DE18829 = 7) THEN PDRNKX = 0;
  ELSE DO;
    TEMP3826 = 0;
    TEMP3837 = 0;
    TEMP8842 = 0;
    TEMP8843 = 0;
    TEMP8844 = 0;
    IF DE13826 = 1 THEN TEMP3826 = 1;
    IF DE13837 = 1 THEN TEMP3837 = 1;
    IF DE18842 = 1 THEN TEMP8842 = 1;
    IF DE18843 = 1 THEN TEMP8843 = 1;
    IF DE18844 = 1 THEN TEMP8844 = 1;
    PDRNKX = TEMP3826 + TEMP3837 + TEMP8842 +
              TEMP8843 + TEMP8844;
    IF 1 <= DE18830 <= 8 AND DE13826 = . AND
       DE13837 = . AND DE18842 = . AND DE18843 = . AND
       DE18844 = . THEN PDRNKX = .;
    IF DE13814 = . AND DE18829 = . AND DE18830 = .
       THEN PDRNKX = .;
  END;

```


VARIABLE	GENEXX	ADULT HSA HEALTH HABITS
Overall Physical Activity at Exit		
CODES		
1		- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse
2		1 - Not very active, sitting and walking mostly
3		2 - Fairly active physically, moderate or strenuous activity several times a week
4		3 - Quite active physically, at least moderate activity every day
		4 - Very active physically, strenuous activity most days
		GENEXX measures the participant's overall physical activity at exit.

GENEXX VALUE	FREQ	CUM FREQ	%	CUM %
1	791	1073	21.12	21.12
2	1073	2980	37.54	58.66
3	1907	4617	32.22	90.89
4	1637	5080	9.11	100.00

INPUT VARIABLES

DE13868 (Which statement describes your physical activity)

CONSTRUCTION

GENEXX = DE13868
= . IF DE13868 = .

VARIABLE	MCLSR	ADULT HSA HEALTH HABITS	FREQ	CUM FREQ	%	CUM %
Metabolic Cost of Leisure Activities at Enrollment			1529			
CODES			322	322	7.42	7.42
			67	389	1.54	8.96
			379	768	8.73	17.69
			433	1201	9.97	27.66
			45	1246	1.04	28.70
			262	1508	6.03	34.73
			340	1848	7.83	42.56
			296	2144	6.82	49.38
			21	2165	0.48	50.86
			409	2574	9.42	60.28
			114	2688	2.63	62.91
			133	2821	3.06	65.97
			125	2946	2.88	68.85
			256	3202	5.90	74.75
			144	3346	3.32	78.06
			16	3362	0.37	78.43
			27	3389	0.62	79.05
			56	3445	1.29	80.34
			17	3462	0.39	80.73
			103	3565	2.37	83.11
			144	3709	3.32	86.42
			34	3743	0.78	87.21
			30	3773	0.69	87.90
			32	3805	0.74	88.63
			124	3929	2.86	91.49
			21	3950	0.48	91.97
			22	3972	0.51	92.48
			46	4018	1.06	93.54
			25	4043	0.58	94.11
			12	4055	0.28	94.39
			37	4092	0.85	95.24
			34	4126	0.78	96.03
			49	4175	1.13	97.15
			64	4239	1.47	98.63
			36	4275	0.83	99.46
			67	4342	1.54	100.00

MCLSR
VALUE

ADULT HSA
HEALTH HABITS

Metabolic Cost of Leisure Activities at Enrollment

CODES

- Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse

MCLSR specifies the amount of energy that the participant expended weekly on leisure activities at enrollment. Higher scores indicate greater expenditures of energy.

INPUT VARIABLES

DE18819 (NonDayton only -- Number of hours spent in an average week in strenuous activities)

DE18820 (NonDayton only -- Number of hours spent in an average week in medium or moderate activities)

CONSTRUCTION

The two variables were first recoded so that scores would indicate the median number of hours specified by the original response.

TEMPA = 0 IF DE18819 = 1
 = 0.5 IF DE18819 = 2
 = 2.5 IF DE18819 = 3
 = 4.5 IF DE18819 = 4
 = 8 IF DE18819 = 5
 = 20 IF DE18819 = 6

TEMPB = 0 IF DE18820 = 1
 = 1.5 IF DE18820 = 2
 = 4 IF DE18820 = 3
 = 8 IF DE18820 = 4
 = 13 IF DE18820 = 5
 = 20 IF DE18820 = 6

The average metabolic cost per minute was multiplied by the number of minutes the participant reported engaging in each set of activities.

(cont.)

VARIABLE MCLSR (cont.)

CONSTRUCTION (cont.)

The average metabolic cost per minute of the activities was based on tables published by M. J. Karvonen. "Work and Activity Classifications," in Leonard A. Larson (ed.), Fitness, Health, and Work Capacity: International Standards for Assessment, MacMillan Publishing Company, Inc., New York, 1974, Chap. 2, pp. 38-54.

TEMPC = TEMPA * 60 * 7.5

TEMPO = TEMPB * 60 * 4.9

MCLSR = TEMPC + TEMPO

The result was rounded to the nearest integer.

MCLSR was set to missing if either DE18819 or DE18820 was missing.

VARIABLE	MCLSRX	ADULT HSA HEALTH HABITS
Metabolic Cost of Leisure Activities at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
MCLSRX specifies the amount of energy that the participant expended weekly on leisure activities at exit. Higher scores indicate greater expenditures of energy.		

INPUT VARIABLES

DE18819 (Number of hours spent in an average week in strenuous activities)

DE18820 (Number of hours spent in an average week in medium or moderate activities)

(cont.)

MCLSRX VALUE	FREQ	CUM FREQ	%	CUM %
0	798	395	7.79	7.79
225	92	487	1.81	9.60
441	438	925	8.63	18.23
666	515	1440	10.15	28.39
1125	57	1497	1.12	29.51
1176	313	1810	6.17	35.68
1401	371	2181	7.31	42.99
1566	382	2563	7.53	50.52
2025	34	2597	0.67	51.19
2301	524	3121	10.33	61.52
2352	129	3250	2.54	64.07
2466	138	3388	2.72	66.79
2577	102	3490	2.01	68.80
3201	290	3780	5.72	74.51
3477	163	3943	3.21	77.73
3600	15	3958	0.30	78.02
3822	28	3986	0.55	78.57
4041	72	4058	1.42	79.99
4047	25	4083	0.49	80.49
4377	129	4212	2.54	83.03

(cont.)

VARIABLE MCLSRX (cont.)

CONSTRUCTION

The two variables were first recoded so that scores would indicate the median number of hours specified by the original response.

TEMPA = 0 IF DE18819 = 1

= 0.5 IF DE18819 = 2

= 2.5 IF DE18819 = 3

= 4.5 IF DE18819 = 4

= 8 IF DE18819 = 5

= 20 IF DE18819 = 6

TEMPB = 0 IF DE18820 = 1

= 1.5 IF DE18820 = 2

= 4 IF DE18820 = 3

= 8 IF DE18820 = 4

= 13 IF DE18820 = 5

= 20 IF DE18820 = 6

The average metabolic cost per minute was multiplied by the number of minutes the participant reported engaging in each set of activities.

The average metabolic cost per minute of the activities was based on tables published by M. J. Karvonen, "Work and Activity Classifications," in Leonard A. Larson (ed.), Fitness, Health, and Work Capacity: International Standards for Assessment, MacMillan Publishing Company, Inc., New York, 1974, Chap. 2, pp. 38-54.

TEMPC = TEMPA * 60 * 7.5

TEMPO = TEMPB * 60 * 4.9

MCLSRX = TEMPC + TEMPO

The result was rounded to the nearest integer.

MCLSRX was set to missing if either DE18819 or DE18820 was missing.

VALUE	FREQ	CUM FREQ	%	CUM %
4776	161	4373	3.17	86.20
4947	43	4416	0.85	87.05
5847	32	4448	0.63	87.68
5880	27	4475	0.53	88.21
5952	127	4602	2.50	90.72
6105	22	4624	0.43	91.15
7005	28	4652	0.55	91.70
7422	46	4698	0.91	92.61
7905	26	4724	0.51	93.12
9000	15	4739	0.30	93.42
9441	41	4780	0.81	94.22
9480	40	4820	0.79	95.01
10176	78	4898	1.54	96.55
11352	53	4951	1.05	97.60
12822	41	4992	0.81	98.40
14880	81	5073	1.60	100.00

MCWRK	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1522	142	3.27	3.27
	177	142	160	0.41	3.68
	306	18	396	9.11	12.79
	483	236	644	5.43	18.22
	816	248	892	5.70	23.92
	885	158	1050	3.63	27.55
	993	7	1057	0.16	27.71
	1191	237	1294	5.45	33.16
	1593	85	1379	1.95	35.11
	1632	6	1385	0.14	35.25
	1701	89	1474	2.05	37.30
	1809	213	1687	4.90	42.20
	1899	155	1842	3.56	45.76
	2409	20	1862	0.46	46.22
	2517	72	1934	1.66	47.88
	2652	193	2127	4.44	52.32
	2829	65	2192	1.50	53.82
	2832	94	2286	2.16	55.98
	3138	5	2291	0.12	56.10
	3225	7	2298	0.16	56.26
	3537	112	2410	4.91	61.17
	3648	105	2515	2.58	63.75
	4080	26	2541	0.60	64.35
	4245	191	2732	4.39	68.74
	4257	69	2801	1.59	70.33
	4464	243	3044	5.59	75.92
	4965	68	3112	1.56	77.48
	5484	285	3397	6.55	84.03
	5673	57	3454	1.31	85.34
	6912	211	3665	4.85	90.19
	7080	240	3905	5.52	95.71
	7386	8	3913	0.18	95.89
	7896	16	3929	0.37	96.26
	8712	30	3959	0.69	96.95
	9732	70	4029	1.61	98.56
	11160	58	4087	1.33	99.89
		510	4597	11.73	111.62

VARIABLE	MCWRK	ADULT HSA HEALTH HABITS
Metabolic Cost of Work Activities at Enrollment		
CODES		
. - Missing includes those under 14 years, all Dayton participants, those with no MHQA, and item nonresponse		
MCWRK specifies the amount of energy that the participant expended weekly on work activities at enrollment. Higher scores indicate greater expenditures of energy.		

INPUT VARIABLES

DE18817 (NonDayton only -- Hours spent doing heavy or strenuous work in an average week)

DE18818 (NonDayton only -- Hours spent doing things that take a medium amount of physical activity in an average week)

CONSTRUCTION

The two variables were first recoded so that scores would indicate the median number of hours specified by the original response.

TEMPA	= 0	IF DE18817 = 1
	= 0.5	IF DE18817 = 2
	= 2.5	IF DE18817 = 3
	= 4.5	IF DE18817 = 4
	= 8	IF DE18817 = 5
	= 20	IF DE18817 = 6
TEMPB	= 0	IF DE18818 = 1
	= 1.5	IF DE18818 = 2
	= 4	IF DE18818 = 3
	= 8	IF DE18818 = 4
	= 13	IF DE18818 = 5
	= 20	IF DE18818 = 6

The average metabolic cost per minute was multiplied by the number of minutes the participant reported engaging in each set of activities.

(cont.)

VARIABLE MCWRKX (cont.)

CONSTRUCTION

The two variables were first recoded so that scores would indicate the median number of hours specified by the original response.

TEMPA = 0 IF DE18817 = 1
 = 0.5 IF DE18817 = 2
 = 2.5 IF DE18817 = 3
 = 4.5 IF DE18817 = 4
 = 8 IF DE18817 = 5
 = 20 IF DE18817 = 6

TEMPB = 0 IF DE18818 = 1
 = 1.5 IF DE18818 = 2
 = 4 IF DE18818 = 3
 = 8 IF DE18818 = 4
 = 13 IF DE18818 = 5
 = 20 IF DE18818 = 6

The average metabolic cost per minute was multiplied by the number of minutes the participant reported engaging in each set of activities.

The average metabolic cost per minute of the activities was based on tables published by M. J. Karvonen, "Work and Activity Classifications," in Leonard A. Larson (ed.), Fitness, Health, and Work Capacity: International Standards for Assessment, MacMillan Publishing Company, Inc., New York, 1974, Chap. 2, pp. 38-54.

TEMPC = TEMPA * 60 * 5.9

TEMPO = TEMPB * 60 * 3.4

MCWRKX = TEMPC + TEMPO

The result was rounded to the nearest integer.

MCWRKX was set to missing if either DE18817 or DE18818 was missing.

VALUE	FREQ	CUM FREQ	%	CUM %
3648	52	3040	1.02	59.83
4080	164	3204	3.23	63.06
4245	83	3287	1.63	64.69
4257	244	3531	4.80	69.49
4464	110	3641	2.17	71.66
4965	227	3868	4.47	76.13
5484	79	3947	1.56	77.68
5673	225	4172	4.43	82.11
6912	152	4324	2.99	85.10
7080	9	4333	0.18	85.28
7386	9	4342	0.18	85.46
7896	21	4363	0.41	85.87
8712	77	4440	1.52	87.38
9732	83	4523	1.63	89.02
11160	558	5081	10.98	100.00

MC

NUMBER OF OBSERVATIONS 773
NUMBER OF MISSING 5098
MEAN 8725.56
MEDIAN 8160.00
MINIMUM VALUE 0.00
MAXIMUM VALUE 22740.00
STANDARD DEVIATION 6113.76
COEFFICIENT OF VARIATION 70.07
SKEWNESS 0.57
KURTOSIS -0.44

VARIABLE MC ADULT HSA
HEALTH HABITS

Metabolic Cost of Work and Leisure Activities at Enrollment

CODES

- Missing includes those under 14 years; all Seattle,
Massachusetts, and South Carolina participants; those
with no MHQA; and item nonresponse

MC specifies the amount of energy that the participant
expended weekly on both leisure and work activities at
enrollment. Higher scores indicate greater expenditures of
energy.

NOTE: MC is available for enrollment data only.

INPUT VARIABLES

DE13865 (Dayton only - In the past year, the number of hours spent
per week on light activities)
DE13866 (Dayton only - In the past year, the number of hours spent
per week on medium activities)
DE13867 (Dayton only - In the past year, the number of hours spent
per week on strenuous activities)

CONSTRUCTION

The three variables were first recoded so that scores would indicate
the median number of hours specified by the original response.

TEMPA = 0 IF DE13865 = 1
= 3 IF DE13865 = 2
= 10.5 IF DE13865 = 3
= 20.5 IF DE13865 = 4
= 30.5 IF DE13865 = 5
= 40 IF DE13865 = 6

(cont.)

VARIABLE MC (cont.)

CONSTRUCTION (cont.)

TEMPB = 0 IF DE13866 = 1
= 1 IF DE13866 = 2
= 3.5 IF DE13866 = 3
= 8 IF DE13866 = 4
= 13 IF DE13866 = 5
= 18 IF DE13866 = 6

TEMPC = 0 IF DE13867 = 1
= 1 IF DE13867 = 2
= 3.5 IF DE13867 = 3
= 8 IF DE13867 = 4
= 13 IF DE13867 = 5
= 18 IF DE13867 = 6

The average metabolic cost per minute was multiplied by the number of minutes the participant reported engaging in each set of activities.

The average metabolic cost per minute of the activities was based on tables published by M. J. Karvonen, "Work and Activity Classifications," in Leonard A. Larson (ed.), Fitness, Health, and Work Capacity: International Standards for Assessment, MacMillan Publishing Company, Inc., New York, 1974, Chap. 2, pp. 38-54.

TEMPO = TEMPA * 60 * 3.4
TEMPE = TEMPB * 60 * 4.5
TEMPE = TEMPC * 60 * 9.0

MC = TEMPO + TEMPE + TEMPF

The result was rounded to the nearest integer.

MC was set to missing if DE13865, DE13866, or DE13867 was missing.

WTLS

NUMBER OF OBSERVATIONS	5038
NUMBER OF MISSING	833
MEAN	152.56
MEDIAN	148.00
MINIMUM VALUE	70.00
MAXIMUM VALUE	350.00
STANDARD DEVIATION	34.07
COEFFICIENT OF VARIATION	22.33
SKWENESS	0.83
KURTOSIS	1.16

WTLSX

NUMBER OF OBSERVATIONS	5018
NUMBER OF MISSING	853
MEAN	154.69
MEDIAN	150.00
MINIMUM VALUE	55.00
MAXIMUM VALUE	381.00
STANDARD DEVIATION	34.97
COEFFICIENT OF VARIATION	22.61
SKWENESS	0.92
KURTOSIS	1.62

VARIABLE	WTLS	ADULT HSA HEALTH HABITS
Weight in Pounds at Enrollment		
CODES		
. - Missing includes those under 14 years, those with no MHQA, and item nonresponse		
WTLS specifies the participant's self-reported weight in pounds without heavy clothing at enrollment. Outlier values were left unchanged in the file.		

INPUT VARIABLES

DE13712 (Weight in pounds)

CONSTRUCTION

WTLS = DE13712
= . IF DE13712 = .

VARIABLE	WTLSX	ADULT HSA HEALTH HABITS
Weight in Pounds at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
WTLSX specifies the participant's self-reported weight in pounds without heavy clothing at exit. Outlier values were left unchanged in the file.		

(cont.)

VARIABLE WTLBSX (cont.)

INPUT VARIABLES

DEI3712 (Weight in pounds)

CONSTRUCTION

WTLBSX = DEI3712
= . IF DEI3712 = .

HTIN
VALUE

```

VARIABLE HTIN ADULT HSA
HEALTH HABITS
Height in Inches at Enrollment
CODES
. - Missing includes those under 14 years, those with
no MHQA, and item nonresponse
HTIN specifies the participant's self-reported height in
inches without shoes at enrollment. Outlier values were left
unchanged in the file.
  
```

INPUT VARIABLES

DEI3620 {NonDayton only -- Height without shoes: feet}
DEI3621 {NonDayton only -- Height without shoes: inches}
DEI3656 {Dayton only, -- Height without shoes: feet}
DEI3657 {Dayton only -- Height without shoes: inches}

CONSTRUCTION

{Dayton}

HTIN = DEI3657 + {12 * DEI3656}
= . IF DEI3657 = . OR DEI3656 = .
(cont.)

HTIN VALUE	FREQ	CUM FREQ	%	CUM %
39	855	1	0.02	0.02
48	1	2	0.02	0.04
51	1	3	0.02	0.06
54	1	4	0.02	0.08
55	1	5	0.02	0.10
56	1	6	0.02	0.12
57	9	15	0.18	0.30
58	15	30	0.30	0.60
59	46	76	0.92	1.52
60	116	192	2.31	3.83
61	185	377	3.69	7.52
62	332	709	6.62	14.14
63	362	1071	7.22	21.35
64	478	1549	9.53	30.88
65	409	1958	8.15	39.04
66	505	2463	10.07	49.10
67	442	2905	8.81	57.92
68	421	3326	8.39	66.31
69	336	3662	6.70	73.01
70	391	4053	7.80	80.80
71	320	4373	6.38	87.18
72	260	4633	5.18	92.36
73	150	4783	2.99	95.36
74	127	4910	2.53	97.89
75	51	4961	1.02	98.90
76	37	4998	0.74	99.64
77	7	5005	0.14	99.78
78	2	5007	0.04	99.82
			(cont.)	

VARIABLE HTIN (cont.)
 CONSTRUCTION (cont.)
 (NonDayton)
 $HTIN = DE13621 + (12 * DE13620)$
 $= . \text{ IF } DE13621 = . \text{ OR } DE13620 = .$

VARIABLE	HTINX	ADULT HSA HEALTH HABITS
Height in Inches at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
HTINX specifies the participant's self-reported height in inches without shoes at exit. Outlier values were left unchanged in the file.		
INPUT VARIABLES		
DE13620 (Height without shoes: feet)		
DE13621 (Height without shoes: inches)		
CONSTRUCTION		
$HTINX = DE13621 + (12 * DE13620)$ $= . \text{ IF } DE13621 = . \text{ OR } DE13620 = .$		

VALUE	FREQ	CUM FREQ	%	CUM %
79	5	5012	0.10	99.92
80	2	5014	0.04	99.96
92	1	5015	0.02	99.98
96	1	5016	0.02	100.00

HTINX VALUE	FREQ	CUM FREQ	%	CUM %
50	832	1	0.02	0.02
53	1	3	0.04	0.06
55	2	5	0.04	0.10
56	1	6	0.02	0.12
57	6	12	0.12	0.24
58	18	30	0.36	0.60
59	48	78	0.95	1.55
60	127	205	2.52	4.07
61	192	397	3.81	7.88
62	351	748	6.97	14.84
63	365	1113	7.24	22.09
64	455	1568	9.03	31.12
65	431	1999	8.55	39.67
66	452	2451	8.97	48.64
67	465	2916	9.23	57.87
68	405	3321	8.04	65.91
69	339	3660	6.73	72.63
70	369	4029	7.32	79.96
71	329	4358	6.53	86.49
72	287	4645	5.70	92.18
73	156	4801	3.10	95.28
74	124	4925	2.46	97.74
75	54	4979	1.07	98.81
76	38	5017	0.75	99.56
77	14	5031	0.28	99.84
78	2	5033	0.04	99.88
79	2	5035	0.04	99.92
80	1	5036	0.02	99.94
81	1	5037	0.02	99.96
89	1	5038	0.02	99.98
92	1	5039	0.02	100.00

OWTCR	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1133	1133	78.13	78.13
	50	3702	3702	10.11	88.24
	100	479	4181	11.76	100.00
		557	4738		

VARIABLE	OWTCR	ADULT HSA HEALTH HABITS
Overweight According to Weight/Height Criteria at Enrollment		
CODES		
<ul style="list-style-type: none"> - Missing includes those under 14 years, those with no HQA, and item nonresponse 0 - Normal weight 50 - Moderately overweight 100 - Severely overweight 		
OWTCR specifies the participant's amount overweight at enrollment (scored as an ordinal variable), based on criteria of overweight applied to indicators of weight adjusted for height.		

INPUT VARIABLES

```

DE13620 (NonDayton only -- Height without shoes: feet)
DE13621 (NonDayton only -- Height without shoes: inches)
DE13656 (Dayton only -- Height without shoes: feet)
DE13657 (Dayton only -- Height without shoes: inches)
DE13712 (Weight in pounds)
WTKIL (Temporary variable -- Weight in kilograms)
HTMET (Temporary variable -- Height in meters)
WH1_5 (Temporary variable -- Weight divided by height raised to the 1.5 power)
WH2 (Temporary variable -- Weight divided by height squared)
SEX (Sex of participant: 1=male, 2=female)

```

CONSTRUCTION

```

(Construction of WTKIL and HTMET)

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(Dayton)

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WTKIL = DE13712 * .4536
HTMET = ((12*DE13656)+DE13657) * .0254

```

(cont.)

VARIABLE OWTCCR (cont.)
CONSTRUCTION (cont.)
(NonDayton)

WTKIL = DEI3712 * .4536
HTMET = ((12*DEI3620)+DEI3621) * .0254

(Construction of WH1_5 and WH2)

WH1_5 = WTKIL/(HTMET**1.5)
WH2 = WTKIL/(HTMET*HTMET)

TEMP = 0 IF (SEX = 2 AND 0 < WH1_5 < 33.0) OR
(SEX = 1 AND 0 < WH2 < 27.0)
= 1 IF (SEX = 2 AND 33.0 < = WH1_5 < 36.0) OR
(SEX = 1 AND 27.0 < = WH2 < 29.3)
= 2 IF (SEX = 2 AND 36.0 < = WH1_5) OR
(SEX = 1 AND 29.3 < = WH2)

OWTCR = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=0
MAX=2

OWTCR was set to missing if SEX, weight, or height was missing.

OWTCRX	FREQ	CUM FREQ	%	CUM %
VALUE				
0	873	3795	75.93	75.93
50	3795	4337	10.84	86.78
100	542	4998	13.23	100.00

VARIABLE	OWTCRX	ADULT HSA HEALTH HABITS
Overweight According to Weight/Height Criteria at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
0 - Normal weight		
50 - Moderately overweight		
100 - Severely overweight		
OWTCRX specifies the participant's amount overweight at exit (scored as an ordinal variable), based on criteria of over- weight applied to indicators of weight adjusted for height.		

(cont.)

VARIABLE OWTORX (cont.)

INPUT VARIABLES

DEI3620 (Height without shoes: feet)
 DEI3621 (Height without shoes: inches)
 DEI3712 (Weight in pounds)
 WTKIL (Temporary variable -- Weight in kilograms)
 HTMET (Temporary variable -- Height in meters)
 WH1_5 (Temporary variable -- Weight divided by height raised to the 1.5 power)
 WH2 (Temporary variable -- Weight divided by height squared)
 SEX (Sex of participant: 1=male, 2=female)

CONSTRUCTION

(Construction of WH1_5 and WH2)

WTKIL = DEI3712 * .4536
 HTMET = ((12 * DEI3620) + DEI3621) * .0254
 WH1_5 = WTKIL/(HTMET ** 1.5)
 WH2 = WTKIL/(HTMET * HTMET)

TEMP = 0 IF {SEX = 2 AND 0 < WH1_5 < 33.0} OR
 {SEX = 1 AND 0 < WH2 < 27.0}
 = 1 IF {SEX = 2 AND 33.0 <= WH1_5 < 36.0} OR
 {SEX = 1 AND 27.0 <= WH2 < 29.3}
 = 2 IF {SEX = 2 AND 36.0 <= WH1_5} OR
 {SEX = 1 AND 29.3 <= WH2}

OWTORX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=0
 MAX=2

OWTORX was set to missing if SEX, weight, or height was missing.

ANS	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1570	217	5.05	5.05
	25	217	1008	18.39	23.44
	50	791	1730	16.79	40.22
	75	722	3713	46.11	86.33
	100	1983	4301	13.67	100.00
		588			

VARIABLE	ANS	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction with Obtaining Answers to Medical Questions at Baseline or Enrollment	
		CODES	
		<p>- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse</p> <p>ANS measures the participant's satisfaction, at baseline or enrollment, with his ability to readily obtain answers to medical questions. Values for ANS are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.</p>	

INPUT VARIABLE

DEI2663 (If I have a medical question, I can reach someone for help without any problem)

CONSTRUCTION

Reversal: DEI2663

ANS = ((DEI2663 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	ANSX	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction with Obtaining Answers to Medical Questions at Exit	
	CODES		
	.	- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse	
		ANSX measures the participant's satisfaction, at exit, with his ability to readily obtain answers to medical questions. Higher values indicate greater satisfaction.	

ANSX VALUE	FREQ	CUM FREQ	%	CUM %
0	855	92	1.83	1.83
25	92	843	14.97	16.81
50	751	843	14.97	16.81
75	922	1765	18.38	35.19
100	2699	4464	53.81	89.00
	552	5016	11.01	100.00

INPUT VARIABLE

DEI2663 (If I have a medical question, I can reach someone for help without any problem)

CONSTRUCTION

Reversal: DEI2663
 ANSX = ((DEI2663 - MIN)/(MAX - MIN)) * 100
 WHERE MIN=1
 MAX=5

APPT	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1585	557	13.00	13.00
	25	557	2147	37.10	50.09
	50	1590	2643	11.57	61.67
	75	496	4102	34.04	95.71
	100	1459	4286	4.29	100.00
		184			

VARIABLE	APPT	SATISFACTION: ADULT HSA MEDICAL
Satisfaction with Length of Wait for Medical Appointments at Baseline or Enrollment		
CODES		
.	- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse	
	APPT measures the participant's satisfaction, at baseline or enrollment, with his ability to readily obtain medical appointments. Values for APPT are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.	

INPUT VARIABLE

DE12676 (It's hard to get an appointment for medical care right away)

CONSTRUCTION

APPT = ((DE12676 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	APPTX	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction with length of Wait for Medical Appointments at Exit	
CODES			
		- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse	
		APPTX measures the participant's satisfaction, at exit, with his ability to readily obtain medical appointments. Higher values indicate greater satisfaction.	

APPTX VALUE	FREQ	CUM FREQ	%	CUM %
0	856	338	6.74	6.74
25	338	2122	35.57	42.31
50	1784	2960	16.71	59.02
75	838	4864	37.97	96.99
100	1904	5015	3.01	100.00
	151			

INPUT VARIABLE

DE12676 {It's hard to get an appointment for medical care right away)

CONSTRUCTION

APPTX = ((DE12676 - MIN)/(MAX - MIN)) * 100
WHERE MIN=1
MAX=5

CONV	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1585	108	2.52	2.52
	25	108	949	19.62	22.14
	50	841	1648	16.31	38.45
	75	699	4056	56.18	94.63
	100	2408	4286	5.37	100.00

VARIABLE	CONV	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Convenience of Medical Care at Baseline or Enrollment			
CODES			
<p>. - Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse</p>			
<p>CONV measures the participant's satisfaction, at baseline or enrollment, with the convenience of the places where he can obtain medical care. Values for CONV are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.</p>			

INPUT VARIABLE

DE12681 (Places where you can get medical care are very conveniently located)

CONSTRUCTION

Reversal: DE12681

CONV = ((DE12681 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

CONVX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	853	74	1.48	1.48
	25	868	942	17.30	18.77
	50	873	1815	17.40	36.17
	75	3024	4839	60.26	96.43
	100	179	5018	3.57	100.00

VARIABLE	CONVX	SATISFACTION: ADULT HSA MEDICAL
		Satisfaction with Convenience of Medical Care at Exit
	CODES	
	.	- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse
	CONVX	measures the participant's satisfaction, at exit, with the convenience of the places where he can obtain medical care. Higher values indicate greater satisfaction.

INPUT VARIABLE

DE12681 (Places where you can get medical care are very conveniently located)

CONSTRUCTION

Reversal: DE12681

CONVX = ((DE12681 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

EMRG	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1576	463	10.78	10.78
	25	463	1462	23.26	34.04
	50	999	2336	20.35	54.39
	75	874	3251	37.60	91.99
	100	1615	4295	8.01	100.00
		344			

VARIABLE	EMRG	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction With Availability of Emergency Care at Baseline or Enrollment			
CODES			
-		- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse	
		EMRG measures the participant's satisfaction, at baseline or enrollment, with his ability to readily obtain medical care in an emergency. Values for EMRG are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.	

INPUT VARIABLE

DE12668 {In an emergency, it's very hard to get medical care quickly}

CONSTRUCTION

EMRG = ((DE12668 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	EMRGX	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction with Availability of Emergency Care at Exit	
CODES			
		. - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse	
		EMRGX measures the participant's satisfaction, at exit, with his ability to readily obtain medical care in an emergency. Higher values indicate greater satisfaction.	

EMRGX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	851	314	6.26	6.26
	25	314	1271	19.06	25.32
	50	957	2380	22.09	47.41
	75	1109	4607	44.36	91.77
	100	2227	5020	8.23	100.00
		413			

INPUT VARIABLE

DE12668 (In an emergency, it's very hard to get medical care quickly)

CONSTRUCTION

EMRGX = {(DE12668 - MIN)/(MAX - MIN)} * 100
WHERE MIN=1
MAX=5

HOURL	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1588	230	5.37	5.37
	25	230	1299	24.96	30.33
	50	1069	1954	15.29	45.62
	75	655	411	50.36	95.98
	100	2157	4283	4.02	100.00
		172			

VARIABLE	HOURL	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Medical Office Hours at Baseline or Enrollment			
CODES			
0	Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse		
HOURL	measures the participant's satisfaction, at baseline or enrollment, with office hours for medical care. Values for HOURL are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.		

INPUT VARIABLE

DE12689 (Office hours when you can get medical care are good for most people)

CONSTRUCTION

Reversal: DE12689

HOURL = ((DE12689 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	HOURX	ADULT HSA SATISFACTION: MEDICAL
Satisfaction with Medical Office Hours at Exit		
CODES		
.	- Missing includes those not completing the experiment, those with no MHQA, and item nonresponse	
HOURX	measures the participant's satisfaction, at exit, with office hours for medical care. Higher values indicate greater satisfaction.	

INPUT VARIABLE

DE12689 (Office hours when you can get medical care are good for most people)

CONSTRUCTION

Reversal: DE12689

HOURX = ((DE12689 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

HOURX VALUE	FREQ	CUM FREQ	%	CUM %
.	851	.	.	.
0	164	164	3.27	3.27
25	1108	1272	22.07	25.34
50	990	2262	19.72	45.06
75	2627	4889	52.33	97.39
100	131	5020	2.61	100.00

PARK VALUE	FREQ	CUM FREQ	%	CUM %
0	1579	1579	12.07	12.07
25	518	2097	25.30	37.37
50	1086	3183	25.35	62.72
75	616	3799	14.35	77.07
100	1637	5436	38.14	115.21
	435	5871	10.14	125.35

VARIABLE	PARK	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Parking for Medical Care at Baseline or Enrollment			
CODES			
0		Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse	
PARK		PARK measures the participant's satisfaction, at baseline or enrollment, with the parking facilities available where he receives medical care. Values for PARK are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.	

INPUT VARIABLE

DE12661 (Parking is a problem when you have to get medical care)

CONSTRUCTION

PARK = ((DE12661 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	PARKX	SATISFACTION: MEDICAL	ADULT HISA
		Satisfaction with Parking for Medical Care at Exit	
CODES			
		- Missing includes those not completing the experiment, those with no HIOA, and item nonresponse	
		PARKX measures the participant's satisfaction, at exit, with the parking facilities available where he receives medical care. Higher values indicate greater satisfaction.	

PARKX VALUE	FREQ	CUM FREQ	%	CUM %
0	858	387	7.72	7.72
25	387	1540	23.00	30.72
50	1153	2320	15.56	46.28
75	780	4529	44.07	90.35
100	2209	5013	9.66	100.00
	484			

INPUT VARIABLE

DE12661 (Parking is a problem when you have to get medical care)

CONSTRUCTION

PARKX = ((DE12661 - MIN)/(MAX - MIN)) * 100
WHERE MIN=1
MAX=5

VARIABLE	TRVL	ADULT HSA SATISFACTION: MEDICAL
Satisfaction with Travel Time to Medical Care at Baseline or Enrollment		
CODES		
1	Missing includes those under 18 at baseline, all Dayton participants, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse	
TRVL measures the participant's satisfaction, at baseline or enrollment, with the amount of time he must travel to obtain medical care. Values for TRVL are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.		
INPUT VARIABLE		
DE12657 (NonDayton only -- It takes me a long time to get to the place where I receive medical care)		
CONSTRUCTION		
TRVL = ((DE12657 - MIN)/(MAX - MIN)) * 100		
WHERE MIN=1		
MAX=5		

TRVL VALUE	FREQ	CUM FREQ	%	CUM %
0	2248	107	2.95	2.95
25	107	561	12.53	15.48
50	454	860	8.25	23.74
75	299	3245	65.83	89.57
100	2385	3623	10.43	100.00

VARIABLE	TRVLX	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction With Travel Time to Medical Care at Exit	
CODES			
		. - Missing includes those not completing the experiment, those with no MIQA, and item nonresponse	
		TRVLX measures the participant's satisfaction, at exit, with the amount of time he must travel to obtain medical care. Higher values indicate greater satisfaction.	

TRVLX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	858	97	1.94	1.94
	25	97	760	13.23	15.16
	50	663	1109	6.96	22.12
	75	349	4503	67.70	89.83
	100	510	5013	10.17	100.00

INPUT VARIABLE

DE12657 (It takes me a long time to get to the place where I receive medical care)

CONSTRUCTION

TRVLX = ((DE12657 - MIN)/(MAX - MIN)) * 100
WHERE MIN=1
MAX=5

WAIT	VALUE	FREQ	CUM FREQ	%	CUM %
	0	2250	806	22.26	22.26
	25	806	2600	49.54	71.80
	50	1794	2949	9.64	81.44
	75	349	3566	17.04	98.48
	100	617	3621	1.52	100.00
		55			

VARIABLE WAIT SATISFACTION: ADULT HSA MEDICAL

Satisfaction With Waiting time at Medical Office at Baseline or Enrollment

CODES

. - Missing includes those under 18 at baseline, all Dayton participants, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MIQA in the South Carolina 3-year group, and item nonresponse

WAIT measures the participant's satisfaction, at baseline or enrollment, with the waiting time at his doctor's office. Values for WAIT are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MIQ form A. Higher values indicate greater satisfaction.

INPUT VARIABLE

DE12654 (NonDayton only -- People are usually kept waiting a long time when they are at the doctor's office)

CONSTRUCTION

WAIT = ((DE12654 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

WAITX VALUE	FREQ	CUM FREQ	%	CUM %
0	860	639	12.75	12.75
25	639	3228	51.67	64.42
50	2589	3946	14.33	78.75
75	718	4977	20.58	99.32
100	1031	5011	0.68	100.00
	34			

VARIABLE	WAITX	ADULT HSA SATISFACTION: MEDICAL
Satisfaction with Waiting Time at Medical Office at Exit		
CODES		
0 - Missing includes those not completing the experiment, those with no MHQA, and item nonresponse		
WAITX measures the participant's satisfaction, at exit, with the waiting time at his doctor's office. Higher values indicate greater satisfaction.		

INPUT VARIABLE

DE12654 {People are usually kept waiting a long time when they are
at the doctor's office}

CONSTRUCTION

WAITX = ((DE12654 - MIN)/(MAX - MIN)) * 100
WHERE MIN=1
MAX=5

AVMD	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1562	334	7.75	7.75
	12.5	334	668	7.75	15.50
	25	975	1643	22.63	38.13
	37.5	412	2055	9.56	47.69
	50	1019	3074	23.65	71.34
	62.5	375	3449	8.70	80.04
	75	732	4181	16.99	97.03
	87.5	74	4255	1.72	98.75
	100	54	4309	1.25	100.00

VARIABLE AVMD ADULT HSA
Satisfaction: MEDICAL

Satisfaction with Availability of family Doctors at
Baseline or Enrollment

CODES

- Missing includes those under 18 at baseline, any
participant with no baseline questionnaire except
South Carolina 3-year participants, those with no
MIQA in the South Carolina 3-year group, and item
nonresponse

AVMD measures the participant's satisfaction, at baseline or
enrollment, with the availability of family doctors. Values
for AVMD are based on information taken from the baseline
questionnaire for all participants except those in the South
Carolina 3-year group. For that group, information was taken
from the enrollment MIQ form A. Higher values indicate
greater satisfaction.

INPUT VARIABLES

DE12653 (NonDayton only -- There is a big shortage of family
doctors around here)
DE12674 (There are enough family doctors around here)

CONSTRUCTION

{Dayton}

Reversal: DE12674

AVMD = ((DE12674 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

(cont.)

VARIABLE AVMD (cont.)

CONSTRUCTION (cont.)

(NonDayton)

Reversal: DE12674

TEMP = DE12653 + DE12674

AVMD = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

AVMDX	FREQ	CUM FREQ	%	CUM %
0	847	109	2.17	2.17
12.5	109	300	3.80	5.97
25	191	1050	14.93	20.90
37.5	750	1525	9.46	30.35
50	475	3287	35.07	65.43
62.5	1762	3860	11.41	76.83
75	573	4863	19.96	96.80
87.5	1003	4983	2.39	99.18
100	120	5024	0.82	100.00

VARIABLE AVMDX ADULT HSA
SATISFACTION: MEDICAL

Satisfaction with Availability of Family Doctors at Exit

CODES

. - Missing includes those not completing the experiment, those with no MIQA, and item nonresponse

AVMDX measures the participant's satisfaction, at exit, with the availability of family doctors. Higher values indicate greater satisfaction.

INPUT VARIABLES

DE12653 (There is a big shortage of family doctors around here)
DE12674 (There are enough family doctors around here)

(cont.)

VARIABLE AVMDX (cont.)

CONSTRUCTION

Reversal: DE12674
 IEMP = DE12653 + DE12674
 AVMDX = ((IEMP - MIN)/(MAX - MIN)) * 100
 WHERE MIN=2
 MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	AVSP	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Availability of Medical Specialists at Baseline or Enrollment			
CODS			
- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse			
AVSP measures the participant's satisfaction, at baseline or enrollment, with the availability of medical specialists. Values for AVSP are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.			

INPUT VARIABLE

DE12690 (There are enough doctors in this area who specialize)
 (cont.)

AVSP	VALUE	FREQ	CUM FREQ	%	CUM %
0	1581	239	239	5.57	5.57
25	724	963	963	16.88	22.45
50	1202	2165	2165	28.02	50.47
75	1770	3935	3935	41.26	91.73
100	355	4290	4290	8.28	100.00

VARIABLE AVSP (cont.)

CONSTRUCTION

Reversal: DE12690

AVSP = ((DE12690 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	AVSPX	ADULT USA SATISFACTION: MEDICAL
Satisfaction With Availability of Medical Specialists at Exit		
CODES		
. - Missing includes those not completing the experiment, those with no MHOA, and item nonresponse		
AVSPX measures the participant's satisfaction, at exit, with the availability of medical specialists. Higher values indicate greater satisfaction.		

AVSPX VALUE	FREQ	CUM FREQ	%	CUM %
0	849	144	2.87	2.87
25	144	783	12.72	15.59
50	639	2658	37.34	52.93
75	1875	4765	41.96	94.88
100	2107	5022	5.12	100.00

INPUT VARIABLE

DE12690 (There are enough doctors in this area who specialize)

CONSTRUCTION

Reversal: DE12690

AVSPX = ((DE12690 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	AVHOS	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction With Availability of Hospitals at Baseline or Enrollment			
CODES			
<p>- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MIQA in the South Carolina 3-year group, and item nonresponse</p>			
<p>AVHOS measures the participant's satisfaction, at baseline or enrollment, with the availability of hospitals. Values for AVHOS are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MIQ form A. Higher values indicate greater satisfaction.</p>			

AVHOS	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1572	185	4.30	4.30
	12.5	185	375	4.42	8.72
	25	663	1038	15.42	24.15
	37.5	179	1217	4.16	28.31
	50	949	2166	22.08	50.38
	62.5	450	2616	10.47	60.85
	75	1360	3976	31.64	92.49
	87.5	184	4160	4.28	96.77
	100	139	4299	3.23	100.00

INPUT VARIABLES

DE12659 (NonDayton only -- More hospitals are needed in this area)
DE12695 (There are enough hospitals in this area)

CONSTRUCTION

{Dayton}

Reversal: DE12695

AVHOS = ((DE12695 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

{NonDayton}

Reversal: DE12695

TEMP = DE12659 + DE12695

(cont.)

VARIABLE AVIOS (cont.)

CONSTRUCTION (cont.)

AVIOS = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE AVIOSX ADULT HSA
Satisfaction: MEDICAL
Satisfaction With Availability of Hospitals at Exit
CODES
- Missing includes those not completing the experiment,
those with no MIQA, and item nonresponse
AVIOSX measures the participant's satisfaction, at exit, with
the availability of hospitals. Higher values indicate greater
satisfaction.

INPUT VARIABLES

DE12659 (More hospitals are needed in this area)
DE12695 (There are enough hospitals in this area)

CONSTRUCTION

Reversal: DE12695

TEMP = DE12659 + DE12695

AVIOSX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

(cont.)

AVIOSX VALUE	FREQ	CUM FREQ	%	CUM %
0	847	119	2.37	2.37
12.5	119	307	3.74	6.11
25	188	876	11.33	17.44
37.5	569	1156	5.57	23.01
50	280	2522	27.19	50.20
62.5	1366	3152	12.54	62.74
75	630	4684	30.49	93.23
87.5	1532	4886	4.02	97.25
100	202	5024	2.75	100.00
	138			

VARIABLE AVH0SX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

CONTIS VALUE	FREQ	CUM FREQ	%	CUM %
0	1570	47	1.09	1.09
12.5	47	112	1.51	2.60
37.5	373	485	8.67	11.28
50	84	569	1.95	13.23
62.5	437	1006	10.16	23.39
75	159	1165	3.70	27.09
87.5	2146	3311	49.90	76.98
100	476	3787	11.07	88.05
	514	4301	11.95	100.00

VARIABLE CONTIS ADULT IISA
SATISFACTION: MEDICAL

Reported Continuity of Medical Care at Baseline or Enrollment

CODES

- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse

CONTIS reflects the participant's assessment, at baseline or enrollment, of the continuity of his medical care. Values for CONTIS are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater continuity.

INPUT VARIABLES

DE12652 (NonDayton only -- I see the same doctor just about every time I go for medical care)
DE12678 (I hardly ever see the same doctor when I go for medical care)

(cont.)

VARIABLE CONTS (cont.)

CONSTRUCTION

(Dayton)

CONTS = ((DEI2678 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

(NonDayton)

Reversal: DEI2652

IFMP = DEI2652 + DEI2678

CONTS = ((IFMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

CONTSX	VALUE	FREQ	CUM FREQ	%	CUM %
.	0	848	23	0.46	0.46
	12.5	23	82	1.18	1.63
	25	59	455	7.43	9.06
	37.5	373	563	2.15	11.21
	50	108	1132	11.33	22.54
	62.5	569	1301	3.37	25.90
	75	169	3931	52.36	78.26
	87.5	2630	4537	12.07	90.33
	100	606	5023	9.68	100.00
		486			

VARIABLE	CONTSX	SATISFACTION: MEDICAL	ADULT HSA
Reported Continuity of Medical Care at Exit			
CODES			
.			
- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse			
CONTSX reflects the participant's assessment, at exit, of the continuity of his medical care. Higher values indicate greater continuity.			

(cont.)

VARIABLE CONTSX (cont.)

INPUT VARIABLES

DE12652 (1 see the same doctor just about every time I go for
medical care)
DE12678 (1 hardly ever see the same doctor when I go for medical
care)

CONSTRUCTION

Reversal: DE12652

TEMP = DE12652 + DE12678

CONTSX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

MCOST	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1555	394	9.13	9.13
	12.5	394	1012	23.45	23.45
	25	618	2209	51.18	51.18
	37.5	1197	2731	63.28	63.28
	50	522	3520	81.56	81.56
	62.5	789	3835	88.86	88.86
	75	315	4223	97.85	97.85
	87.5	388	4286	99.31	99.31
	100	63	4316	100.00	100.00
		30			

VARIABLE	MCOST	SATISFACTION: MEDICAL	ADULT HSA
		Satisfaction With Medical Costs at Baseline or Enrollment	
		CODES	
		<ul style="list-style-type: none"> - Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse 	
		MCOST measures the participant's satisfaction, at baseline or enrollment, with doctors' fees and other costs of medical care services. Values for MCOST are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.	

INPUT VARIABLES

DE12664 (The fees doctors charge are too high)
 DE12672 (The amount charged for medical care is reasonable)

CONSTRUCTION

Reversal: DE12672
 TEMP = DE12664 + DE12672
 $MCOST = ((TEMP - MIN) / (MAX - MIN)) * 100$
 WHERE MIN=2
 MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

MCOSTX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	808	359	7.15	7.15
	12.5	674	1033	13.42	20.57
	25	1648	2681	32.81	53.37
	37.5	598	3279	11.91	65.28
	50	1191	4470	23.71	88.99
	62.5	265	4735	5.28	94.27
	75	257	4992	5.12	99.38
	87.5	23	5015	0.46	99.84
	100	8	5023	0.16	100.00

VARIABLE	MCOSTX	SATISFACTION:	ADULT HSA MEDICAL
Satisfaction with Medical Costs at Exit			
CODES			
. - Missing includes those not completing the experiment, those with no MIQA, and item nonresponse			
MCOSTX measures the participant's satisfaction, at exit, with doctors' fees and other costs of medical care services. Higher values indicate greater satisfaction.			

INPUT VARIABLES

DE12664 (The fees doctors charge are too high)
DE12672 (The amount charged for medical care is reasonable)

CONSTRUCTION

Reversal: DE12672

TEMP = DE12664 + DE12672

MCOSTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

ART		NUMBER OF OBSERVATIONS	4325
NUMBER OF MISSING		MEAN	1546
MEDIAN		MINIMUM VALUE	54.18
MAXIMUM VALUE		STANDARD DEVIATION	56.30
COEFFICIENT OF VARIATION		SKENNESS	0.00
KURTOSIS			100.00
			15.71
			28.99
			-0.34
			0.11

VARIABLE	ART	SATISFACTION: MEDICAL	ADULT HISA
Satisfaction with Art of Medical Care at Baseline or Enrollment			
CODES			
<p>- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MIQA in the South Carolina 3-year group, and item nonresponse</p>			
<p>ART measures the participant's satisfaction, at baseline or enrollment, with the interpersonal aspects of the doctor-patient relationship. Values for ART are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MIQ form A. Higher values indicate greater satisfaction.</p>			

INPUT VARIABLES	
DE12655 (NonDayton only -- Doctors never recommend surgery "an operation" unless there is no other way to solve the problem)	
DE12656 (NonDayton only -- Sometimes doctors make the patient feel foolish)	
DE12658 (NonDayton only -- Doctors always treat their patients with respect)	
DE12660 (NonDayton only -- Doctors always do their best to keep the patient from worrying)	
DE12667 (Dayton only -- Doctors always tell their patients what to expect during treatment)	
DE12679 (Dayton only -- Doctors act like they are doing their patients a favor by treating them)	
DE12680 (Doctors always avoid unnecessary patient expenses)	
DE12682 (Doctors cause people to worry a lot because they don't explain medical problems to patients)	
DE12687 (Doctors respect their patients' feelings)	
DE12692 (Dayton only -- Doctors let their patients tell them everything that the patient thinks is important)	
DE12696 (Doctors hardly ever explain the patient's medical problems to him)	
	(cont.)

VARIABLE ART (cont.)

CONSTRUCTION

{Dayton}

Reversals: DE12667, DE12680, DE12687, DE12692

TEMP = DE12667 + DE12679 + DE12680 + DE12682 + DE12687 +

DE12692 + DE12696

ART = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
MAX=35

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

{NonDayton}

Reversals: DE12655, DE12658, DE12660, DE12680, DE12687

TEMP = DE12655 + DE12656 + DE12658 + DE12660 + DE12680 +

DE12682 + DE12687 + DE12696

ART = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=8
MAX=40

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

ARIX	NUMBER OF OBSERVATIONS	5024
	NUMBER OF MISSING	847
	MEAN	54.41
	MEDIAN	56.30
	MINIMUM VALUE	0.00
	MAXIMUM VALUE	100.00
	STANDARD DEVIATION	14.31
	COEFFICIENT OF VARIATION	26.29
	SKEWNESS	-0.36
	KURTOSIS	0.24

VARIABLE	ARIX	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Art of Medical Care at Exit			
CODES			
.	-	Missing includes those not completing the experiment, those with no MIQA, and item nonresponse	
ARIX	measures the participant's satisfaction, at exit, with the interpersonal aspects of the doctor-patient relationship. Higher values indicate greater satisfaction.		

INPUT VARIABLES

DE12655 (Doctors never recommend surgery "an operation" unless there is no other way to solve the problem)
 DE12656 (Sometimes doctors make the patient feel foolish)
 DE12658 (Doctors always treat their patients with respect)
 DE12660 (Doctors always do their best to keep the patient from worrying)
 DE12680 (Doctors always avoid unnecessary patient expenses)
 DE12682 (Doctors cause people to worry a lot because they don't explain medical problems to patients)
 DE12687 (Doctors respect their patients' feelings)
 DE12696 (Doctors hardly ever explain the patient's medical problems to him)

CONSTRUCTION

Reversals: DE12655, DE12658, DE12660, DE12680, DE12687

TEMP = DE12655 + DE12656 + DE12658 + DE12660 + DE12680 +

DE12682 + DE12687 + DE12696

ARTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=8
 MAX=40

The result was rounded to the nearest tenth.

(cont.)

VARIABLE ARTX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

TECH	NUMBER OF OBSERVATIONS
	4325
	1546
	52.74
	53.60
	0.00
	100.00
	26.58
	-0.05
	0.27

TECH	NUMBER OF MISSING
	MEAN
	MEDIAN
	MINIMUM VALUE
	MAXIMUM VALUE
	STANDARD DEVIATION
	COEFFICIENT OF VARIATION
	SKEWNESS
	KURTOSIS

VARIABLE TECH ADULT IPSA
Satisfaction with Technical Quality of Medical Care

at Baseline or Enrollment

CODES

- Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse

TECH measures the participant's satisfaction, at baseline or enrollment, with the technical quality of his medical care. Values for TECH are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.

INPUT VARIABLES

DE12662 (Doctors aren't as thorough as they should be)
DE12669 (Most people are encouraged to get a yearly exam when they go for medical care)
DE12671 (Sometimes doctors take unnecessary risks in treating their patients)
DE12673 (Doctors are very careful to check everything when examining their patients)
DE12684 (Doctors ask what foods patients eat and explain why certain foods are best)
(cont.)

VARIABLE TECH (cont.)

INPUT VARIABLES (cont.)

DE12686 (The medical problems I've had in the past are ignored
when I seek care for a new medical problem)
DE12693 (Doctors don't advise patients about ways to avoid illness
or injury)

CONSTRUCTION

Reversals: DE12669, DE12673, DE12684

TEMP = DE12662 + DE12669 + DE12671 + DE12673 + DE12684 +

DE12686 + DE12693

TECH = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
MAX=35

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

TECHX	5024
NUMBER OF OBSERVATIONS	847
NUMBER OF MISSING	52.94
MEAN	53.60
MINIMUM VALUE	0.00
MAXIMUM VALUE	100.00
STANDARD DEVIATION	12.94
COEFFICIENT OF VARIATION	24.45
SKEWNESS	-0.15
KURTOSIS	0.19

VARIABLE	TECHX	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Technical Quality of Medical Care at Exit			
CODES			
- Missing includes those not completing the experiment, those with no MQQA, and item nonresponse			
TECHX measures the participant's satisfaction, at exit, with the technical quality of his medical care. Higher values indicate greater satisfaction.			

INPUT VARIABLES

DE12662 (Doctors aren't as thorough as they should be)
 DE12669 (Most people are encouraged to get a yearly exam when they go for medical care)
 DE12671 (Sometimes doctors take unnecessary risks in treating their patients)
 DE12673 (Doctors are very careful to check everything when examining their patients)
 DE12684 (Doctors ask what foods patients eat and explain why certain foods are best)
 DE12686 (The medical problems I've had in the past are ignored when I seek care for a new medical problem)
 DE12693 (Doctors don't advise patients about ways to avoid illness or injury)

CONSTRUCTION

Reversals: DE12669, DE12673, DE12684

TEMP = DE12662 + DE12669 + DE12671 + DE12673 + DE12684 +
 DE12686 + DE12693

TECHX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
 MAX=35

The result was rounded to the nearest tenth. (cont.)

VARIABLE TFCHX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

MDOFF	VALUE	FREQ	CUM FREQ	%	CUM %
	0	1554	50	1.16	1.16
	12.5	50	122	1.67	2.83
	25	463	585	10.73	13.55
	37.5	286	871	6.63	20.18
	50	1165	2036	26.99	47.16
	62.5	531	2567	12.30	59.46
	75	1346	3913	31.18	90.64
	87.5	237	4150	5.49	96.13
	100	167	4317	3.87	100.00

VARIABLE MDOFF ADULT HSA

SATISFACTION: MEDICAL

Satisfaction With Medical Office Facilities at Baseline or Enrollment

CODES

1 - Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHQA in the South Carolina 3-year group, and item nonresponse

MDOFF measures the participant's satisfaction, at baseline or enrollment, with his doctor's office facilities. Values for MDOFF are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHQ form A. Higher values indicate greater satisfaction.

INPUT VARIABLES

DE12675 (I think my doctor's office has everything needed to provide complete medical care)
DE12685 (My doctor's office lacks some things needed to provide complete medical care)

(cont.)

VARIABLE MDOFF (cont.)

CONSTRUCTION

Reversal: DE12675

TEMP = DE12675 + DE12685

MDOFF = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	MDOFFX	SATISFACTION: MEDICAL	ADULT HSA
Satisfaction with Medical Office Facilities at Exit			
CODES			
. - Missing includes those not completing the experiment, those with no MHOA, and item nonresponse			
MDOFFX measures the participant's satisfaction, at exit, with his doctor's office facilities. Higher values indicate greater satisfaction.			

INPUT VARIABLES

DE12675 (I think my doctor's office has everything needed to provide complete medical care)
DE12685 (My doctor's office lacks some things needed to provide complete medical care)

(cont.)

MDOFFX

VALUE	FREQ	CUM FREQ	%	CUM %
0	849	25	0.50	0.50
12.5	53	78	1.06	1.55
25	437	515	8.70	10.26
37.5	273	788	5.44	15.69
50	1534	2322	30.55	46.24
62.5	803	3125	15.99	62.23
75	1554	4679	30.94	93.17
87.5	209	4888	4.16	97.33
100	134	5022	2.67	100.00

VARIABLE MDOFFX (cont.)

CONSTRUCTION

Reversal: DE12675

TEMP = DE12675 + DE12685

MDOFFX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=-2

MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	MGSAT	SATISFACTION: MEDICAL	ADULT NSA
General Satisfaction with Medical Care at Baseline or Enrollment			
CODES			
1		Missing includes those under 18 at baseline, any participant with no baseline questionnaire except South Carolina 3-year participants, those with no MHA in the South Carolina 3-year group, and item nonresponse	
MGSAT summarizes the participant's satisfaction, at baseline or enrollment, with his medical care overall. Values for MGSAT are based on information taken from the baseline questionnaire for all participants except those in the South Carolina 3-year group. For that group, information was taken from the enrollment MHA form A. Higher values indicate greater satisfaction.			

(cont.)

MGSAT	VALUE	FREQ	CUM FREQ	%	CUM %
0	0	1546	23	0.53	0.53
6.3	23	29	52	0.67	1.20
8.3	1	58	111	0.02	1.23
12.5	16.7	1	112	0.02	2.57
16.7	18.8	100	212	2.31	2.59
25	261	473	683	6.04	4.90
31.3	260	733	1416	6.01	10.94
33.3	17	750	1433	0.39	16.95
37.5	487	1237	1556	11.26	17.34
41.7	18	1255	1574	0.42	28.60
43.8	428	1683	1742	9.90	29.02
50	709	2392	1981	16.39	38.91
56.3	570	2962	2551	13.18	55.31
58.3	19	2981	2570	0.44	68.49
62.5	500	3481	2970	11.56	68.93
66.7	14	3495	3014	0.32	80.49
68.8	326	3821	3396	7.54	80.81
75	313	4134	3709	7.24	88.35
81.3	107	4241	3816	2.47	95.58
83.3	4	4245	3820	0.09	98.06
87.5	54	4299	3874	1.25	99.15
91.7	3	4302	3877	0.07	99.40
				(cont.)	99.47

VARIABLE MCSAT (cont.)	VALUE	FREQ	CUM FREQ	%	CUM %
INPUT VARIABLES (cont.)					
DE12666 (I'm satisfied with the medical care I receive)	93.8	14	4316	0.32	99.79
DE12670 (The care I received from doctors in the last few years is just about perfect)	100	9	4325	0.21	100.00
DE12683 (Most people receive medical care that could be better)					
DE12694 (There are things about the medical care I receive that could be better)					
CONSTRUCTION					
Reversals: DE12666, DE12670					
TEMP = DE12666 + DE12670 + DE12683 + DE12694					
MCSAT = ((TEMP - MIN)/(MAX - MIN)) * 100					
WHERE MIN=4					
MAX=20					
The result was rounded to the nearest tenth.					
If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.					

VARIABLE	MGSATX	SATISFACTION: MEDICAL	ADULT HSA
General Satisfaction with Medical Care at Exit			
CODES			
- Missing includes those not completing the experiment, those with no MHOA, and item nonresponse			
MGSATX summarizes the participant's satisfaction, at exit, with his medical care overall. Higher values indicate greater satisfaction.			

INPUT VARIABLES

DEI2666 (I'm satisfied with the medical care I receive)
 DEI2670 (the care I received from doctors in the last few years is just about perfect)
 DEI2683 (Most people receive medical care that could be better)
 DEI2694 (There are things about the medical care I receive that could be better)

CONSTRUCTION

Reversals: DEI2666, DEI2670

TEMP = DEI2666 + DEI2670 + DEI2683 + DEI2694

MGSATX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
 MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

MGSATX VALUE	FREQ	CUM FREQ	%	CUM %
0	846	12	0.24	0.24
6.3	12	33	0.42	0.66
12.5	21	75	0.84	1.49
16.7	42	77	0.04	1.53
18.8	2	149	1.43	2.97
25	174	323	3.46	6.43
31.3	214	537	4.26	10.69
33.3	1	538	0.02	10.71
37.5	430	968	8.56	19.26
41.7	4	972	0.08	19.34
43.8	505	1477	10.05	29.39
50	814	2291	16.20	45.59
56.3	826	3117	16.44	62.03
58.3	5	3122	0.10	62.13
62.5	760	3882	15.12	77.25
66.7	7	3889	0.14	77.39
68.8	519	4408	10.33	87.72
75	359	4767	7.14	94.87
81.3	165	4932	3.28	98.15
83.3	1	4933	0.02	98.17
87.5	64	4997	1.27	99.44
91.7	1	4998	0.02	99.46
93.8	22	5020	0.44	99.90
100	5	5025	0.10	100.00

DACESX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	809	9	0.18	0.18
	8.3	31	40	0.62	0.80
	16.7	88	128	1.75	2.55
	25	207	335	4.12	6.67
	33.3	330	665	6.57	13.24
	37.5	2	667	0.04	13.28
	41.7	821	1488	16.35	29.63
	50	673	2161	13.40	43.03
	58.3	1107	3268	22.04	65.07
	62.5	1	3269	0.02	65.09
	66.7	499	3768	9.94	75.03
	75	1015	4783	20.21	95.24
	83.3	136	4919	2.71	97.95
	91.7	65	4984	1.29	99.24
	100	38	5022	0.76	100.00

VARIABLE	DACESX	SATISFACTION:	ADULT HSA DENTAL
Satisfaction with Access to Dental Care at Exit			
CODES			
- Missing includes those not completing the experiment, those with no MHA, and item nonresponse			
DACESX measures the participant's satisfaction, at exit, with the accessibility of dental care. Higher values indicate greater satisfaction.			

NOTE: DACESX is available for exit data only.

INPUT VARIABLES

DE16842 (People are usually kept waiting a long time at the dentist's office)
 DE16850 (It's hard to get an appointment for dental care right away)
 DE19812 (Office hours are good for most people)

CONSTRUCTION

Reversal: DE19812

TEMP = DE16842 + DE16850 + DE19812

DACESX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
 MAX=15

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	DAVCNX	SATISFACTION: DENTAL	ADULT HSA
		Satisfaction with Availability and Convenience of Dental Care at Exit	
		CODES	
		- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse	
		DAVCNX measures the participant's satisfaction, at exit, with the availability and convenience of dental care. Higher values indicate greater satisfaction.	

NOTE: DAVCNX is available for exit data only.

INPUT VARIABLES

DE16844 (There are enough dentists around here)
DE16846 (Places where you can get dental care are very conveniently located)

CONSTRUCTION

Reversals: DE16844, DE16846

TEMP = DE16844 + DE16846

DAVCNX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

DAVCNX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	850	9	0.18	0.18
	12.5	9	33	0.48	0.66
	25	24	179	2.91	3.57
	37.5	106	390	4.20	7.77
	50	211	1343	18.98	26.75
	62.5	953	2519	23.42	50.17
	75	1176	4705	43.54	93.71
	87.5	2186	4892	3.72	97.43
	100	187	5021	2.57	100.00
		129			

DCONTX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	862	45	0.90	0.90
	25	45	388	6.85	7.75
	50	303	642	5.07	12.82
	75	254	3807	63.19	76.00
	100	3165	5009	24.00	100.00
		1202			

VARIABLE DCONTX ADULT HSA
SATISFACTION: DENTAL

Reported Continuity of Dental Care at Exit

CODES

- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse

DCONTX reflects the participant's assessment, at exit, of the continuity of his dental care. Higher values indicate greater continuity.

NOTE: DCONTX is available for exit data only.

INPUT VARIABLE

DE16849 (I see the same dentist just about every time I go for dental care)

CONSTRUCTION

Reversal: DE16849

DCONTX = ((DE16849 - MIN)/(MAX - MIN)) * 100

WHERE MIN=1
MAX=5

VARIABLE	DCOSTX	SATISFACTION: DENTAL	ADULT HSA
		Satisfaction With Cost of Dental Care at Exit	
CODES			
		- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse	
		DCOSTX measures the participant's satisfaction, at exit, with the cost of dental care. Higher values indicate greater satisfaction.	

NOTE: DCOSTX is available for exit data only.

INPUT VARIABLES

DE16840 (The fees dentists charge are too high)
DE16847 (Dentists always avoid unnecessary patient expenses)

CONSTRUCTION

Reversal: DE16847

TEMP = DE16840 + DE16847

DCOSTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

DCOSTX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	849	153	3.05	3.05
	12.5	153	585	8.60	11.65
	25	1162	1747	23.14	34.79
	37.5	1285	3032	25.59	60.37
	50	1340	4372	26.68	87.06
	62.5	420	4792	8.36	95.42
	75	198	4990	3.94	99.36
	87.5	26	5016	0.52	99.88
	100	6	5022	0.12	100.00

VARIABLE	DPA1NX	ADULT HISA SATISFACTION: DENTAL
Satisfaction With Management of Dental Pain at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MHOA, and item nonresponse		
DPA1NX measures the participant's satisfaction, at exit, with his dentist's management of the pain caused by dental procedures. Higher values indicate greater satisfaction.		

NOTE: DPA1NX is available for exit data only.

INPUT VARIABLES

DE16845 (Dentists should do more to reduce pain)
DE19811 (Sometimes I avoid going to the dentist because it is
painful)
DE19816 (I am not concerned about feeling pain when I go for
dental care)

CONSTRUCTION

Reversal: DE19816

TEMP = DE16845 + DE19811 + DE19816

DPA1NX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=15

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value
was replaced by the mean of the nonmissing input variables used
in constructing the scale. A missing value was assigned to the
scale only if all of the input variables composing the scale
were missing.

DPA1NX VALUE	FREQ	CUM FREQ	%	CUM %
0	849	87	1.73	1.73
8.3	87	211	2.47	4.20
12.5	124	212	0.02	4.22
16.7	1	411	3.96	8.18
25	199	900	9.74	17.92
33.3	489	1252	7.01	24.93
37.5	352	1254	0.04	24.97
41.7	2	1974	14.34	39.31
50	720	2729	15.03	54.34
58.3	755	3594	17.22	71.57
66.7	865	4174	11.55	83.11
75	580	4772	11.91	95.02
83.3	598	4929	3.13	98.15
87.5	157	4930	0.02	98.17
91.7	1	4995	1.29	99.46
100	65	5022	0.54	100.00
	27			

VARIABLE	DQUALX	SATISFACTION: ADULT HSA DENTAL
Satisfaction with Quality of Dental Care at Exit		
CODES		
- Missing includes those not completing the experiment, those with no MIQA, and item nonresponse		
DQUALX measures the participant's satisfaction, at exit, with the technical and interpersonal aspects of the dentist-patient relationship. Higher values indicate greater satisfaction.		

NOTE: DQUALX is available for exit data only.

INPUT VARIABLES

DE16839 (Dentists are very careful to check everything when
examining their patients)
DE16843 (Dentists always treat their patients with respect)
DE16848 (Dentists aren't as thorough as they should be)
DE16851 (Dentists are able to relieve or cure most dental problems
that people have)
DE19813 (Dentists usually explain what they are going to do and how
much it will cost before they begin treatment)
DE19814 (Dentists should do more to keep people from having
problems with their teeth)
DE19815 (Dentists' offices are very modern and up to date)

CONSTRUCTION

Reversals: DE16839, DE16843, DE16851, DE19813, DE19815
TEMP = DE16839 + DE16843 + DE16848 + DE16851 + DE19813 +
DE19814 + DE19815

DQUALX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
MAX=35

The result was rounded to the nearest tenth. (cont.)

DQUALX VALUE	FRFQ	CUM FREQ	%	CUM %
0	849	1	0.02	0.02
3.6	1	2	0.02	0.04
14.3	1	3	0.02	0.06
17.9	2	5	0.04	0.10
21.4	5	10	0.10	0.20
25	4	14	0.08	0.28
28.6	8	22	0.16	0.44
32.1	34	56	0.68	1.12
33.3	1	57	0.02	1.14
35	1	58	0.02	1.16
35.7	31	89	0.62	1.77
37.5	1	90	0.02	1.79
39.3	80	170	1.59	3.39
41.7	2	172	0.04	3.43
42.9	107	279	2.13	5.56
45.8	1	280	0.02	5.58
46.4	171	451	3.41	8.98
50	382	833	7.61	16.59
53.6	396	1229	7.89	24.47
57.1	430	1659	8.56	33.04
58.3	3	1662	0.06	33.09
60.7	646	2308	12.86	45.96
62.5	3	2311	0.06	46.02
64.3	602	2913	11.99	58.01
66.7	6	2919	0.12	58.12
67.9	770	3689	15.33	73.46
70	1	3690	0.02	73.48
70.8	5	3695	0.10	73.58
71.4	511	4206	10.18	83.75
75	481	4687	9.58	93.33
78.6	138	4825	2.75	96.08
79.2	3	4828	0.06	96.14
82.1	65	4893	1.29	97.43
85.7	55	4948	1.10	98.53
87.5	1	4949	0.02	98.55
89.3	29	4978	0.58	99.12
92.9	20	4998	0.40	99.52
96.4	19	5017	0.38	99.90
100	5	5022	0.10	100.00

VARIABLE DQUALX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

DQSATX VALUE	FREQ	CUM FREQ	%	CUM %
0	855	148	2.95	2.95
25	148	1391	24.78	27.73
50	1243	2591	23.92	51.66
75	1200	4748	43.00	94.66
100	2157	5016	5.34	100.00
	268			

VARIABLE DQSATX ADULT HSA
Satisfaction: DENTAL
General Satisfaction with Dental Care at Exit
CODES
- Missing includes those not completing the experiment,
those with no MIQA, and item nonresponse
DQSATX measures the participant's satisfaction, at exit, with
his dental care overall. Higher values indicate greater
satisfaction.

NOTE: DQSATX is available for exit data only.

INPUT VARIABLE

DE16838 (There are things about the dental care I receive that
could be better)

CONSTRUCTION

$DQSATX = ((DE16838 - MIN)/(MAX - MIN)) * 100$
WHERE MIN=1
MAX=5

V. CODEBOOK FOR CHILD HEALTH STATUS
AND ATTITUDE FILE

FILENAME	VALUE	FREQ	CUM FREQ	%	CUM %
	DHCHAA	2840	2840	100.00	100.00

VARIABLE	FILENAME	CHILD HSA HEADER
Name of File		
FILENAME is a unique 6-character code used for administrative purposes in the HIE to identify a data file. It is DHCHAA for all records in the child health status and attitude file.		

VARIABLE	PERSON	CHILD HSA HEADER
Person Identifier		
PERSON is an 8-character alphanumeric code that uniquely identifies the participant in the HIE to whom the following data refer. The 2nd character designates the site in which the participant resided at enrollment: A=Dayton, B=Seattle, E=Fitchburg, F=Franklin County, G=Charleston, H=Georgetown County.		

VARIABLE	SITE	CHILD IISA HEADER
Site		
CODES		
1	Dayton, Ohio	
2	Seattle, Washington	
3	Fitchburg, Massachusetts	
4	Franklin County, Massachusetts	
5	Charleston, South Carolina	
6	Georgetown County, South Carolina	
SITE identifies the participant's place of residence at enrollment.		

SITE VALUE	FREQ	CUM FREQ	%	CUM %
1	405	405	14.26	14.26
2	1080	1485	38.03	52.29
3	269	1754	9.47	61.76
4	345	2099	12.15	73.91
5	297	2396	10.46	84.37
6	404	2800	15.63	100.00

VARIABLE	INSTAT	CHILD IISA HEADER
Insurance Status		
CODES		
1	Ever HIE-insured	
2	Ever HMO-insured	
INSTAT describes the participant's insurance status in the HIE.		

INSTAT VALUE	FREQ	CUM FREQ	%	CUM %
1	2606	2606	91.76	91.76
2	234	2840	8.24	100.00

VARIABLE	ENRTERM	CHILD HSA HEADER
Enrollment Term		
CODES		
3 - 3 years		
5 - 5 years		
ENRTERM distinguishes the participants who accepted 3-year and 5-year terms of enrollment.		

ENRTERM	FREQ	CUM FREQ	%	CUM %
3	1669	1669	58.77	58.77
5	1171	2840	41.23	100.00

VARIABLE	AROLE	CHILD HSA PHYSICAL HEALTH
Role Activity Limitations at Enrollment		
CODES		
0 - Missing includes those born during the experiment, all South Carolina 3-year participants, those with no MIQA, and item nonresponse		
0 - (0-4 years) Takes part in ordinary play		
0 - (5-13 years) Has no limitations		
100 - (0-4 years) Unable to take part in ordinary play or is limited in kinds or amounts of play or cannot do everything that he wants to do for unlimited lengths of time		
100 - (5-13 years) Unable to go to school or is limited in kinds or amounts of schoolwork or cannot do everything that he wants to do for unlimited lengths of time		
AROLE measures the participant's role activity limitations at enrollment, combining information on type and duration of limitations and the ability to play or study as usual.		

AROLE	FREQ	CUM FREQ	%	CUM %
0	953	1819	96.40	96.40
100	68	1887	3.60	100.00

VARIABLE AROLI. (cont.)

INPUT VARIABLES

DE12931 (Dayton only -- Child able to take part in ordinary play)
 DE12932 (Length of time child's health has limited ordinary play)
 DE12933 (Has child's health limited kind or amount of play)
 DE13228 (Length of time child's health has limited kind or amount of play)
 DE13371 (Length of time child's health has kept him from school)
 DE13372 (Child unable to do certain kinds or amounts of schoolwork because of health)
 DE13373 (Length of time child's health has limited schoolwork)
 DE13374 (Dayton only -- Child limited in amount or kind of other activities because of health)
 DE13375 (Dayton only -- Length of time child has been limited in other activities)
 DE13547 (Child's health keeps him from going to school)
 DE15371 (Nondayton only -- Health keeps child from taking part in ordinary play)
 DE15372 (Nondayton only -- Health limits child in any way)
 DE15373 (Nondayton only -- Length of time health has limited child)

CONSTRUCTION

(Dayton)

(0-4 years of age:)

Two temporary variables were created:

TEMPA = 0 IF DE12931 = 1 AND DE12932 = 1 OR 2
 = 1 IF DE12931 = 2 AND DE12932 = 3
 = -2 IF DE12931 = 2 AND DE12932 = 1
 = -2 IF DE12931 = 2 AND DE12932 = 1
 = -3 IF DE12931 = 1 AND DE12932 NE .
 TEMPB = 0 IF DE12933 = 2 AND DE13228 = 1 OR 2
 = 1 IF DE12933 = 1 AND DE13228 = 3
 = 2 IF DE12933 = 1 AND DE13228 = 1
 = -2 IF DE12933 = 1 AND DE13228 = 1
 = -3 IF DE12933 = 2 AND DE13228 NE .

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

The two temporary variables were recoded:

```

TEMPC = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 2

TEMPD = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 2
  
```

The recoded temporary variables were combined to create the derived variable:

```

AROLE = . IF TEMPC = -2 AND TEMPD = -2
        = 0 IF TEMPC = 0 OR TEMPD = 0
        = 100 IF TEMPC = 1 OR TEMPD = 1
  
```

(5-13 years of age.)

Three temporary variables were created:

```

TEMPA = 0 IF DE13547 = 2 OR 8 AND DE13371 = .
        = 1 IF DE13547 = 1 AND DE13371 = 1 OR 2
        = 2 IF DE13547 = 1 AND DE13371 = 3
        = . IF DE13547 = 1 AND DE13371 = .
        = -2 IF DE13547 = .
        = -3 IF DE13547 = 2 OR 8 AND DE13371 NE .

TEMPB = 0 IF DE13372 = 2 OR 8 AND DE13373 = .
        = 1 IF DE13372 = 1 AND DE13373 = 1 OR 2
        = 2 IF DE13372 = 1 AND DE13373 = 3
        = . IF DE13372 = 1 AND DE13373 = .
        = -2 IF DE13372 = .
        = -3 IF DE13372 = 2 OR 8 AND DE13373 NE .

TEMPC = 0 IF DE13374 = 2 AND DE13375 = .
        = 1 IF DE13374 = 1 AND DE13375 = 1 OR 2
        = 2 IF DE13374 = 1 AND DE13375 = 3
        = . IF DE13374 = 1 AND DE13375 = .
        = -2 IF DE13374 = .
        = -3 IF DE13374 = 2 AND DE13375 NE .
  
```

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

The three temporary variables were recoded:

```

TEMPD = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 1 OR 2

TEMPE = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 1 OR 2

TEMPT = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = 1 OR 1 OR 2

```

the recoded temporary variables were combined to create the derived variable:

```

AROLE = 0 IF TEMPD = 0 OR TEMPE = 0 OR TEMPT = 0
        = 100 IF TEMPD = 1 OR TEMPE = 1 OR TEMPT = 1

```

AROLE was set to missing if two or more of TEMPD, TEMPE, and TEMPT were -2.

(NonDayton)

(0-4 years of age)

Three temporary variables were created:

```

TEMPA = 0 IF DE15371 = 2 AND DE12932 = 1 OR 2
        = 1 IF DE15371 = 1 AND DE12932 = 1 OR 2
        = 2 IF DE15371 = 1 AND DE12932 = 3
        = 3 IF DE15371 = 1 AND DE12932 = 3
        = -2 IF DE15371 = 1
        = -3 IF DE15371 = 2 AND DE12932 NE .

```

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

```

TEMPB = 0 IF DE12933 = 2 AND DE13228 = 1 OR 2
        = 1 IF DE12933 = 1 AND DE13228 = 3
        = 2 IF DE12933 = 1 AND DE13228 = 3
        = 3 IF DE12933 = 1 AND DE13228 = 3
        = -2 IF DE12933 = 2 AND DE13228 NE .
        = -3 IF DE12933 = 2 AND DE13228 NE .

TEMPC = 0 IF DE15372 = 2 AND DE15373 = 1 OR 2
        = 1 IF DE15372 = 1 AND DE15373 = 3
        = 2 IF DE15372 = 1 AND DE15373 = 3
        = 3 IF DE15372 = 1 AND DE15373 = 3
        = -2 IF DE15372 = 2 AND DE15373 NE .
        = -3 IF DE15372 = 2 AND DE15373 NE .

```

The three temporary variables were recoded:

```

TEMPO = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 1
        = 2 IF TEMPA = 2

TEMPF = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 1
        = 2 IF TEMPB = 2

TEMPG = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = 1 OR 1
        = 2 IF TEMPC = 2

```

The recoded temporary variables were combined to create the derived variable:

```

AROLE = 0 IF TEMPO = 0 OR TEMPE = 0 OR TEMPF = 0
        = 100 IF {TEMPO = 1 OR 2} OR {TEMPE = 1 OR 2}
              OR {TEMPF = 1 OR 2}

```

AROLE was set to missing if two or more of TEMPO, TEMPE, and TEMPF were -2.

(cont.)

VARIABLE AROLE (cont.)
CONSTRUCTION (cont.)
(5-13 years of age:)

Three temporary variables were created:

```

TEMPA = 0 IF DE15372 = 2 AND DE15373 = . OR 2
        - 1 IF DE15372 = 1 AND DE15373 = 1 OR 2
        - 2 IF DE15372 = 1 AND DE15373 = 3
        - 3 IF DE15372 = 1 AND DE15373 = .
        - 2 IF DE15372 = 1 AND DE15373 = .
        - 3 IF DE15372 = . AND DE15373 NE .

TEMPB = 0 IF {DE13372 = 2 AND DE13373 = .}
        OR {DE13372 = 3}
        - 1 IF DE13372 = 1 AND DE13373 = 1 OR 2
        - 2 IF DE13372 = 1 AND DE13373 = 3
        - 3 IF DE13372 = 1 AND DE13373 = .
        - 2 IF DE13372 = . AND DE13373 NE .
        - 3 IF DE13372 = 2 AND DE13373 NE .

TEMPC = 0 IF {DE13547 = 2 AND DE13371 = .}
        OR {DE13547 = 3}
        - 1 IF DE13547 = 1 AND DE13371 = 1 OR 2
        - 2 IF DE13547 = 1 AND DE13371 = 3
        - 3 IF DE13547 = 1 AND DE13371 = .
        - 2 IF DE13547 = . AND DE13371 NE .
        - 3 IF DE13547 = 2 AND DE13371 NE .

```

The three temporary variables were recoded:

```

TEMPO = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = . OR 1
        = 2 IF TEMPA = 2

TEMPE = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = . OR 1
        = 2 IF TEMPB = 2

TEMPE = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = . OR 1
        = 2 IF TEMPC = 2

```

(cont.)

VARIABLE AROLE (cont.)

CONSTRUCTION (cont.)

The recoded temporary variables were combined to create the derived variable:

AROLE = 0 IF TEMPD = 0 OR TEMPE = 0
OR TEMPF = 0

= 100 IF { TEMPD = 1 OR 2 } OR { TEMPE = 1 OR 2 }
OR { TEMPF = 1 OR 2 }

AROLE was set to missing if two or more of TEMPD, TEMPE, and TEMPF were -2.

AROLEX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	862	1932	97.67	97.67
	100	46	1978	2.33	100.00

VARIABLE	AROLEX	CHILD HSA PHYSICAL HEALTH
Role Activity Limitations at Exit		
CODES		
0	- Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse	
0	(0-4 years) Takes part in ordinary play	
0	(5-13 years) Has no limitations	
100	(0-4 years) Unable to take part in ordinary play or is limited in kinds or amounts of play or cannot do everything that he wants to do for unlimited lengths of time	
100	(5-13 years) Unable to go to school or is limited in kinds or amounts of schoolwork or cannot do everything that he wants to do for unlimited lengths of time	
AROLEX measures the participant's role activity limitations at exit, combining information on type and duration of limitations and the ability to play or study as usual.		

(cont.)

VARIABLE AROLEX (cont.)

INPUT VARIABLES

DEI2932 (Length of time child's health has limited ordinary play)
 DEI2933 (Has child's health limited kind or amount of play)
 DEI3228 (Length of time child's health has limited kind or
 amount of play)
 DEI3371 (Length of time child's health has kept him from school)
 DEI3372 (Child unable to do certain kinds or amounts of
 schoolwork because of health)
 DEI3373 (Length of time child's health has limited schoolwork)
 DEI3547 (Child's health keeps him from going to school)
 DEI5371 (Health keeps child from taking part in ordinary play)
 DEI5372 (Health limits child in any way)
 DEI5373 (Length of time health has limited child)

CONSTRUCTION

(0-4 years of age)

Three temporary variables were created:

TEMPA = 0 IF DEI5371 = 2 AND DEI2932 = 1 OR 2
 = 1 IF DEI5371 = 1 AND DEI2932 = 3
 = 2 IF DEI5371 = 1 AND DEI2932 = 3
 = -2 IF DEI5371 = 1 AND DEI2932 = 3
 = -3 IF DEI5371 = 2 AND DEI2932 = NE

TEMPB = 0 IF DEI2933 = 2 AND DEI3228 = 1 OR 2
 = 1 IF DEI2933 = 1 AND DEI3228 = 3
 = 2 IF DEI2933 = 1 AND DEI3228 = 3
 = -2 IF DEI2933 = 1 AND DEI3228 = 3
 = -3 IF DEI2933 = 2 AND DEI3228 = NE

TEMPC = 0 IF DEI5372 = 2 AND DEI5373 = 1 OR 2
 = 1 IF DEI5372 = 1 AND DEI5373 = 3
 = 2 IF DEI5372 = 1 AND DEI5373 = 3
 = -2 IF DEI5372 = 1 AND DEI5373 = 3
 = -3 IF DEI5372 = 2 AND DEI5373 = NE

(cont.)

VARIABLE AROLEX (cont.)

CONSTRUCTION (cont.)

The three temporary variables were recoded:

TEMPD = -2 IF TEMPA = -2 OR -3
 = 0 IF TEMPA = 0
 = 1 IF TEMPA = . OR 1
 = 2 IF TEMPA = 2

TEMPE = -2 IF TEMPB = -2 OR -3
 = 0 IF TEMPB = 0
 = 1 IF TEMPB = . OR 1
 = 2 IF TEMPB = 2

TEMPF = -2 IF TEMPC = -2 OR -3
 = 0 IF TEMPC = 0
 = 1 IF TEMPC = . OR 1
 = 2 IF TEMPC = 2

The recoded temporary variables were combined to create the derived variable:

AROLEX = 0 IF TEMPD = 0 OR TEMPE = 0 OR TEMPF = 0
 = 100 IF { TEMPD = 1 OR 2 } OR { TEMPE = 1 OR 2 }
 OR { TEMPF = 1 OR 2 }

AROLEX was set to missing if two or more of TEMPD, TEMPE, and TEMPF were -2.

(5-13 years of age)

Three temporary variables were created:

TEMPA = 0 IF DE15372 = 2 AND DE15373 = .
 = 1 IF DE15372 = 1 AND DE15373 = 1 OR 2
 = 2 IF DE15372 = 1 AND DE15373 = 3
 = . IF DE15372 = 1 AND DE15373 = .
 = -2 IF DE15372 = . AND DE15373 = NE
 = -3 IF DE15372 = 2 AND DE15373 = NE

TEMPB = 0 IF { DE13372 = 2 AND DE13373 = . }
 OR { DE13372 = 3 }
 = 1 IF DE13372 = 1 AND DE13373 = 1 OR 2
 = 2 IF DE13372 = 1 AND DE13373 = 3
 = . IF DE13372 = 1 AND DE13373 = .
 = -2 IF DE13372 = . AND DE13373 = NE
 = -3 IF DE13372 = 2 AND DE13373 = NE

(cont.)

VARIABLE AROLEX (cont.)

CONSTRUCTION (cont.)

```

TEMPC = 0 IF (DE13547 = 2 AND DE13371 = .)
          OR (DE13547 = 3)
      = 1 IF DE13547 = 1 AND DE13371 = 1 OR 2
      = 2 IF DE13547 = 1 AND DE13371 = 3
      = 3 IF DE13547 = 1 AND DE13371 = .
      = -2 IF DE13547 = 2 AND DE13371 NE .
      = -3 IF DE13547 = 2 AND DE13371 NE .

```

The three temporary variables were recoded:

```

TEMPD = -2 IF TEMPA = -2 OR -3
      = 0 IF TEMPA = 0
      = 1 IF TEMPA = 1 OR 1
      = 2 IF TEMPA = 2

```

```

TEMPB = -2 IF TEMPB = -2 OR -3
      = 0 IF TEMPB = 0
      = 1 IF TEMPB = 1 OR 1
      = 2 IF TEMPB = 2

```

```

TEMPC = -2 IF TEMPC = -2 OR -3
      = 0 IF TEMPC = 0
      = 1 IF TEMPC = 1 OR 1
      = 2 IF TEMPC = 2

```

The recoded temporary variables were combined to create the derived variable:

```

AROLEX = 0 IF TEMPD = 0 OR TEMPE = 0
          OR TEMPF = 0
      = 100 IF (TEMPD = 1 OR 2) OR (TEMPE = 1 OR 2)
          OR (TEMPF = 1 OR 2)

```

AROLEX was set to missing if two or more of TEMPD, TEMPE, and TEMPF were -2.

VARIABLE	APIY	CHILD IISA PHYSICAL HEALTH	APIY VALUE	FREQ	CUM FREQ	%	CUM %
Physical Activity Limitations at Enrollment							
CODES							
		- Missing includes those born during the experiment, all South Carolina 3-year participants, those with no MIQA, and item nonresponse	0	953	1844	97.72	97.72
		APIY measures the participant's physical activity limitations at enrollment, combining information on his inability to walk unless assisted by an adult or by canes, crutches, artificial limbs, or braces, and the duration of his limitations. Higher scores indicate more extensive limitations of physical activity.	33.3	26	1870	1.38	99.10
			66.7	6	1876	0.32	99.42
			100	11	1887	0.58	100.00
INPUT VARIABLES							
DE13238	(Dayton only -- Does child use crutches, artificial limbs, or braces to walk)						
DE13239	(Dayton only -- Length of time child has used crutches, artificial limbs, or braces to walk)						
DE13391	(Dayton only -- Does child have trouble walking as far or fast as others of same age)						
DE13392	(Dayton only -- Length of time child has had trouble walking as far or fast)						
DE13395	(Dayton only -- Does child have trouble lifting, stooping, using chairs or inclines)						
DE13396	(Dayton only -- Length of time child has had trouble lifting, stooping, using chairs or inclines)						
DE13397	(Dayton only -- Does child use canes, crutches, artificial limbs, or braces to walk)						
DE13551	(Dayton only -- Length of time child has used canes, crutches, artificial limbs, or braces to walk)						
DE15368	(NonDayton only -- Child unable to walk unless assisted by an adult, crutches, artificial limbs, or braces)						
DE15369	(NonDayton only -- Length of time child has been unable to walk without assistance)						
DE15428	(NonDayton only -- Does child's health limit vigorous activities)						
DE15429	(NonDayton only -- Length of time child's health has limited vigorous activities)						
		(cont.)					

```

VARIABLE APHY (cont.)

INPUT VARIABLES (cont.)

DEI5430 (NonDayton only -- Child has trouble walking several
        blocks because of health)
DEI5431 (NonDayton only -- Length of time child has had trouble
        walking several blocks because of health)
DEI5432 (NonDayton only -- Child has trouble bending, lifting,
        stooping because of health)
DEI5433 (NonDayton only -- Length of time child has had trouble
        bending, lifting, or stooping)
DEI5434 (NonDayton only -- Child has trouble walking one block
        because of health)
DEI5435 (NonDayton only -- Length of time child has had trouble
        walking one block)
DEI5436 (NonDayton only -- Child unable to walk unless assisted
        by canes, crutches, artificial limbs, or braces)
DEI5437 (NonDayton only -- Length of time child has been unable
        to walk without assistance)

```

CONSTRUCTION

{Dayton}

(0-4 years of age)

A temporary variable was created:

```

TEMP = 0 IF DEI3238 = 2 AND DEI3239 = 1 OR 2
      = 1 IF DEI3238 = 1 AND DEI3239 = 1 OR 2
      = 2 IF DEI3238 = 1 AND DEI3239 = 3
      = 3 IF DEI3238 = 1 AND DEI3239 = 3
      = -2 IF DEI3238 = 1 AND DEI3239 = 3
      = -3 IF DEI3238 = 2 AND DEI3239 NE .

```

The temporary variable was recoded to create the derived variable:

```

APHY = . IF TEMP = -2 OR -3
      = 0 IF TEMP = 0
      = 100 IF TEMP = 1 OR 2 OR .

```

(cont.)

VARIABLE APIHY (cont.)

CONSTRUCTION (cont.)

(5-13 years of age)

Three temporary variables were created:

```

TEMPA = 0 IF DE13397 = 2 AND DE13551 = 1 OR 2
        = 1 IF DE13397 = 1 AND DE13551 = 3
        = 2 IF DE13397 = 1 AND DE13551 = 3
        = -2 IF DE13397 = 1 AND DE13551 = 1
        = -3 IF DE13397 = 2 AND DE13551 NE .

TEMPB = 0 IF DE13391 = 2 AND DE13392 = 1 OR 2
        = 1 IF DE13391 = 1 AND DE13392 = 3
        = 2 IF DE13391 = 1 AND DE13392 = 3
        = -2 IF DE13391 = 1 AND DE13392 = 1
        = -3 IF DE13391 = 2 AND DE13392 NE .

TEMPC = 0 IF DE13395 = 2 AND DE13396 = 1 OR 2
        = 1 IF DE13395 = 1 AND DE13396 = 3
        = 2 IF DE13395 = 1 AND DE13396 = 3
        = -2 IF DE13395 = 1 AND DE13396 = 1
        = -3 IF DE13395 = 2 AND DE13396 NE .

```

The three temporary variables were recoded:

```

TEMPO = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 2

TEMPE = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 2

TEMPE = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = 1 OR 2

```

(cont.)

VARIABLE APIY (cont.)

CONSTRUCTION (cont.)

The recoded temporary variables were combined to create the derived variable:

APIY = 0 IF TEMPD = 0 OR TEMPE = 0 OR TEMPF = 0
 = 100 IF TEMPD = 1 OR TEMPE = 1 OR TEMPF = 1

APIY was set to missing if two or more of TEMPD, TEMPE, and TEMPF were -2.

(NonDayton)

(0-4 years of age)

A temporary variable was created:

TEMP = 0 IF DE15368 = 2 OR 3 AND DE15369 = .
 = 1 IF DE15368 = 1 AND DE15369 = 1 OR 2
 = 2 IF DE15368 = 1 AND DE15369 = 3
 = . IF DE15368 = 1 AND DE15369 = .
 = -2 IF DE15368 = .
 = -3 IF DE15368 = 2 OR 3 AND DE15369 NE .

The temporary variable was recoded to create the derived variable:

APIY = . IF TEMP = -2 OR -3
 = 0 IF TEMP = 0
 = 100 IF TEMP = 1 OR 2 OR .

(5-13 years of age)

Five temporary variables were created:

TEMPA = 0 IF DE15434 = 2 AND DE15435 = 1 OR 2
 = 1 IF DE15434 = 1 AND DE15435 = 1 OR 2
 = 2 IF DE15434 = 1 AND DE15435 = 3
 = . IF DE15434 = 1 AND DE15435 = .
 = -2 IF DE15434 = .
 = -3 IF DE15434 = 2 AND DE15435 NE .

(cont.)

VARIABLE APHY (cont.)

CONSTRUCTION (cont.)

```

TEMPB = 0 IF DE15436 = 2 AND DE15437 = 1 OR 2
        = 1 IF DE15436 = 1 AND DE15437 = 3
        = 2 IF DE15436 = 1 AND DE15437 = 3
        = -2 IF DE15436 = 1 AND DE15437 = 3
        = -3 IF DE15436 = 2 AND DE15437 NE .

TEMPC = 0 IF DE15428 = 2 AND DE15429 = 1 OR 2
        = 1 IF DE15428 = 1 AND DE15429 = 3
        = 2 IF DE15428 = 1 AND DE15429 = 3
        = -2 IF DE15428 = 1 AND DE15429 = 3
        = -3 IF DE15428 = 2 AND DE15429 NE .

TEMPO = 0 IF DE15430 = 2 AND DE15431 = 1 OR 2
        = 1 IF DE15430 = 1 AND DE15431 = 3
        = 2 IF DE15430 = 1 AND DE15431 = 3
        = -2 IF DE15430 = 1 AND DE15431 = 3
        = -3 IF DE15430 = 2 AND DE15431 NE .

TEMPE = 0 IF DE15432 = 2 AND DE15433 = 1 OR 2
        = 1 IF DE15432 = 1 AND DE15433 = 3
        = 2 IF DE15432 = 1 AND DE15433 = 3
        = -2 IF DE15432 = 1 AND DE15433 = 3
        = -3 IF DE15432 = 2 AND DE15433 NE .

```

Four of these temporary variables were combined to create two new temporary variables:

```

TEMPF = 0 IF TEMPE = 0 AND TEMPC = 0
        = 1 IF TEMPE = 1 OR TEMPC = 1
        = 2 IF TEMPE = 2 OR TEMPC = 2

TEMPO = 0 IF TEMPB = 0 AND TEMPA = 0
        = 1 IF TEMPB = 1 OR TEMPA = 1
        = 2 IF TEMPB = 2 OR TEMPA = 2

```

The temporary variables were combined to create the derived variable:

```

APHY = 100 IF TEMPO >= 1 AND TEMPF >= 1 AND TEMPO >= 1
      = 66.7 IF TEMPO = 0 AND TEMPF >= 1 AND TEMPO >= 1
      = 33.3 IF TEMPO = 0 AND TEMPF >= 1 AND TEMPO = 0
      = 0 IF TEMPO = 0 AND TEMPF = 0 AND TEMPO = 0
      (cont.)

```


VARIABLE APIY (cont.)

CONSTRUCTION (cont.)

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values on an individual basis.

VARIABLE	APIYX	PHYSICAL HEALTH	CHILD HSA
Physical Activity Limitations at Exit			
CODES			
<p>- Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse</p>			
<p>APIYX measures the participant's physical activity limitations at exit, combining information on his inability to walk unless assisted by an adult or by crutches, canes, artificial limbs, or braces, and the duration of his limitations. Higher scores indicate more extensive limitations of physical activity.</p>			

APIYX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	865	1932	97.82	97.82
	33.3	20	1952	1.01	98.84
	66.7	8	1960	0.41	99.24
	100	15	1975	0.76	100.00

INPUT VARIABLES

DE15368 (Child unable to walk unless assisted by an adult, crutches, artificial limbs, or braces)

DE15369 (Length of time child has been unable to walk without assistance)

DE15428 (Does child's health limit vigorous activities)

DE15429 (Length of time child's health has limited vigorous activities)

DE15430 (Child has trouble walking several blocks because of health)

DE15431 (Length of time child has had trouble walking several blocks because of health)

(cont.)

VARIABLE APIYX (cont.)

INPUT VARIABLES (cont.)

DE15432 (Child has trouble bending, lifting, stooping because of health)
 DE15433 (Length of time child has had trouble bending, lifting, or stooping)
 DE15434 (Child has trouble walking one block because of health)
 DE15435 (Length of time child has had trouble walking one block)
 DE15436 (Child unable to walk unless assisted by canes, crutches, artificial limbs, or braces)
 DE15437 (Length of time child has been unable to walk without assistance)

CONSTRUCTION

(0-4 years of age)

A temporary variable was created:

TEMP = 0 IF DE15368 = 2 OR 3 AND DE15369 = .
 = 1 IF DE15368 = 1 AND DE15369 = 1 OR 2
 = 2 IF DE15368 = 1 AND DE15369 = 3
 = . IF DE15368 = 1 AND DE15369 = .
 = -2 IF DE15368 = .
 = -3 IF DE15368 = 2 OR 3 AND DE15369 NE .

This temporary variable was recoded to create the derived variable:

APIYX = . IF TEMP = -2 OR -3
 = 0 IF TEMP = 0
 = 100 IF TEMP = 1 OR 2 OR .

(5-13 years of age)

Five temporary variables were created:

TEMPA = 0 IF DE15434 = 2 AND DE15435 = .
 = 1 IF DE15434 = 1 AND DE15435 = 1 OR 2
 = 2 IF DE15434 = 1 AND DE15435 = 3
 = . IF DE15434 = 1 AND DE15435 = .
 = -2 IF DE15434 = .
 = -3 IF DE15434 = 2 AND DE15435 NE . (cont.)

VARIABLE APIYX (cont.)

CONSTRUCTION (cont.)

```

TEMPB = 0 IF DE15436 = 2 AND DE15437 = 1 OR 2
        = 1 IF DE15436 = 1 AND DE15437 = 1 OR 2
        = 2 IF DE15436 = 1 AND DE15437 = 3
        = 3 IF DE15436 = 1 AND DE15437 = 3
        = -2 IF DE15436 = 1 AND DE15437 = 3
        = -3 IF DE15436 = 2 AND DE15437 NE .

TEMPC = 0 IF DE15428 = 2 AND DE15429 = 1 OR 2
        = 1 IF DE15428 = 1 AND DE15429 = 1 OR 2
        = 2 IF DE15428 = 1 AND DE15429 = 3
        = 3 IF DE15428 = 1 AND DE15429 = 3
        = -2 IF DE15428 = 1 AND DE15429 = 3
        = -3 IF DE15428 = 2 AND DE15429 NE .

TEMPD = 0 IF DE15430 = 2 AND DE15431 = 1 OR 2
        = 1 IF DE15430 = 1 AND DE15431 = 1 OR 2
        = 2 IF DE15430 = 1 AND DE15431 = 3
        = 3 IF DE15430 = 1 AND DE15431 = 3
        = -2 IF DE15430 = 1 AND DE15431 = 3
        = -3 IF DE15430 = 2 AND DE15431 NE .

TEMPE = 0 IF DE15432 = 2 AND DE15433 = 1 OR 2
        = 1 IF DE15432 = 1 AND DE15433 = 1 OR 2
        = 2 IF DE15432 = 1 AND DE15433 = 3
        = 3 IF DE15432 = 1 AND DE15433 = 3
        = -2 IF DE15432 = 1 AND DE15433 = 3
        = -3 IF DE15432 = 2 AND DE15433 NE .

```

four of these temporary variables were combined to create two new temporary variables:

```

TEMFF = 0 IF TEMPE = 0 AND TEMPC = 0
        = 1 IF TEMPE = 1 OR TEMPC = 1
        = 2 IF TEMPE = 2 OR TEMPC = 2

TEMFG = 0 IF TEMPB = 0 AND TEMPA = 0
        = 1 IF TEMPB = 1 OR TEMPA = 1
        = 2 IF TEMPB = 2 OR TEMPA = 2

```

(cont.)

VARIABLE APIYX (cont.)

CONSTRUCTION (cont.)

The temporary variables were combined to create the derived variable:

APIYX = 100 IF TEMPG >= 1 AND TEMPF >= 1 AND TEMPD >= 1
 = 66.7 IF TEMPG = 0 AND TEMPF >= 1 AND TEMPD >= 1
 = 33.3 IF TEMPG = 0 AND TEMPF >= 1 AND TEMPD = 0
 = 0 IF TEMPG = 0 AND TEMPF = 0 AND TEMPD = 0

Persons with response patterns inconsistent with the above patterns and persons with partially missing data were assigned scale values on an individual basis.

VARIABLE	ASMO	CHILD HSA PHYSICAL HEALTH
Mobility Limitations at Enrollment		
CODES		
. - Missing includes those under 5 years at enrollment, those born during the experiment, all South Carolina 3-year participants, those with no MHQA, and item nonresponse		
0 - Has no limitations		
100 - Has had one or more mobility limitations of some kind for some length of time		
ASMO measures the participant's limitations in mobility at enrollment, combining information on his need for help in, for example, eating, dressing, or getting around the neighborhood; his restriction to bed or indoors; limitations in his use of public transportation; and the duration of his limitations.		

(cont.)

ASMO

VALUE

0	1563	1267	99.22	99.22
100	1267	1277	0.78	100.00

VARIABLE ASMO (cont.)

INPUT VARIABLES

DE13376 (Child needs help eating, dressing, bathing, or using the toilet because of health)
 DE13377 (Length of time help has been needed)
 DE13393 (Dayton only -- Child has trouble using public transportation because of health)
 DE13552 (Dayton only -- Child needs help to go outside because of health)
 DE13553 (Dayton only -- Length of time help has been needed)
 DE13554 (Child in bed or chair most or all of day because of health)
 DE13555 (Length of time child has had to stay in bed)
 DE13556 (Dayton only -- Child in hospital or other medical facility because of health)
 DE13557 (Dayton only -- Length of time child has been in hospital)
 DE15422 (NonDayton only -- Child's health limits use of public transportation or bicycle)
 DE15423 (NonDayton only -- Length of time child's health has limited use of public transportation or bicycle)
 DE15424 (NonDayton only -- Child needs help getting around neighborhood because of health)
 DE15425 (NonDayton only -- Length of time child has needed help getting around neighborhood because of health)
 DE15426 (NonDayton only -- Child must stay indoors most of the day because of health)
 DE15427 (NonDayton only -- Length of time child has had to stay indoors)

CONSTRUCTION

(Dayton)

Five temporary variables were created:

TEMPA = 0 IF DE13376 = 2 AND DE13377 = 1 OR 2
 = 1 IF DE13376 = 1 AND DE13377 = 1 OR 2
 = 2 IF DE13376 = 1 AND DE13377 = 3
 = 3 IF DE13376 = 1 AND DE13377 = 1
 = -2 IF DE13376 = 2 AND DE13377 = 1
 = -3 IF DE13376 = 2 AND DE13377 = 3

TEMPB = 0 IF DE13393 = 2
 = 2 IF DE13393 = 1
 = -2 IF DE13393 = 3
 (cont.)

VARIABLE ASMO (cont.)

CONSTRUCTION (cont.)

```

TEMPC = 0 IF DE13556 = 2 AND DE13557 = 1 OR 2
        = 1 IF DE13556 = 1 AND DE13557 = 3
        = 2 IF DE13556 = 1 AND DE13557 = 3
        = -2 IF DE13556 = 1 AND DE13557 = 1
        = -3 IF DE13556 = 2 AND DE13557 NE .

TEMPO = 0 IF DE13554 = 2 AND DE13555 = 1 OR 2
        = 1 IF DE13554 = 1 AND DE13555 = 3
        = 2 IF DE13554 = 1 AND DE13555 = 3
        = -2 IF DE13554 = 1 AND DE13555 = 1
        = -3 IF DE13554 = 2 AND DE13555 NE .

TEMPE = 0 IF DE13552 = 2 AND DE13553 = 1 OR 2
        = 1 IF DE13552 = 1 AND DE13553 = 3
        = 2 IF DE13552 = 1 AND DE13553 = 3
        = -2 IF DE13552 = 1 AND DE13553 = 1
        = -3 IF DE13552 = 2 AND DE13553 NE .

```

The five temporary variables were recoded:

```

TEMPF = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 2

TEMPG = -2 IF TEMPB = -2
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 2

TEMPIH = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = 1 OR 2

TEMPI = -2 IF TEMPD = -2 OR -3
        = 0 IF TEMPD = 0
        = 1 IF TEMPD = 1 OR 2

TEMPJ = -2 IF TEMPE = -2 OR -3
        = 0 IF TEMPE = 0
        = 1 IF TEMPE = 1 OR 2

```

(cont.)

VARIABLE ASMO (cont.)

CONSTRUCTION (cont.)

the recorded temporary variables were combined to create the derived variable:

```

ASMO = 0 IF TEMPF = 0 OR TEMPG = 0 OR TEMPH = 0
      OR TEMPI = 0 OR TEMPJ = 0
      = 100 IF TEMPF = 1 OR TEMPG = 1 OR TEMPH = 1
      OR TEMPI = 1 OR TEMPJ = 1

```

ASMO was set to missing if three or more of TEMPF, TEMPG, TEMPH, TEMPI, and TEMPJ were -2.

{NonDayton}

Five temporary variables were created:

```

TEMPA = 0 IF DE13376 = 2 AND DE13377 = 1 OR 2
        = 1 IF DE13376 = 1 AND DE13377 = 1 OR 2
        = 2 IF DE13376 = 1 AND DE13377 = 3
        = 3 IF DE13376 = 1 AND DE13377 = 3
        = -2 IF DE13376 = 1 AND DE13377 = 3
        = -3 IF DE13376 = 2 AND DE13377 NE .

```

```

TEMPB = 0 IF DE13554 = 2 AND DE13555 = 1 OR 2
        = 1 IF DE13554 = 1 AND DE13555 = 1 OR 2
        = 2 IF DE13554 = 1 AND DE13555 = 3
        = 3 IF DE13554 = 1 AND DE13555 = 3
        = -2 IF DE13554 = 2 AND DE13555 NE .
        = -3 IF DE13554 = 2 AND DE13555 NE .

```

```

TEMPC = 0 IF DE15426 = 2 AND DE15427 = 1 OR 2
        = 1 IF DE15426 = 1 AND DE15427 = 1 OR 2
        = 2 IF DE15426 = 1 AND DE15427 = 3
        = 3 IF DE15426 = 1 AND DE15427 = 3
        = -2 IF DE15426 = 2 AND DE15427 NE .
        = -3 IF DE15426 = 2 AND DE15427 NE .

```

```

TEMPD = 0 IF DE15422 = 2 AND DE15423 = 1 OR 2
        = 1 IF DE15422 = 1 AND DE15423 = 1 OR 2
        = 2 IF DE15422 = 1 AND DE15423 = 3
        = 3 IF DE15422 = 1 AND DE15423 = 3
        = -2 IF DE15422 = 2 AND DE15423 NE .
        = -3 IF DE15422 = 2 AND DE15423 NE .

```

(cont.)

VARIABLE ASMO (cont.)

CONSTRUCTION (cont.)

```

TEMPE = 0 IF DE15424 = 2 AND DE15425 = 1 OR 2
        = 1 IF DE15424 = 1 AND DE15425 = 3
        = 2 IF DE15424 = 1 AND DE15425 = 1
        = -2 IF DE15424 = 1 AND DE15425 = 2
        = -3 IF DE15424 = 2 AND DE15425 NE .

```

The five temporary variables were recoded:

```

TEMPF = -2 IF TEMPA = -2 OR -3
        = 0 IF TEMPA = 0
        = 1 IF TEMPA = 1 OR 1
        = 2 IF TEMPA = 2

TEMPG = -2 IF TEMPB = -2 OR -3
        = 0 IF TEMPB = 0
        = 1 IF TEMPB = 1 OR 1
        = 2 IF TEMPB = 2

TEMPI = -2 IF TEMPC = -2 OR -3
        = 0 IF TEMPC = 0
        = 1 IF TEMPC = 1 OR 1
        = 2 IF TEMPC = 2

TEMPJ = -2 IF TEMPD = -2 OR -3
        = 0 IF TEMPD = 0
        = 1 IF TEMPD = 1 OR 1
        = 2 IF TEMPD = 2

TEMPK = -2 IF TEMPE = -2 OR -3
        = 0 IF TEMPE = 0
        = 1 IF TEMPE = 1 OR 1
        = 2 IF TEMPE = 2

```

The recoded temporary variables were combined to create the derived variable:

```

ASMO = 0 IF TEMPF = 0 OR TEMPG = 0 OR TEMPH = 0
        OR TEMPI = 0 OR TEMPJ = 0
        = 100 IF (TEMPF = 1 OR 2) OR (TEMPG = 1 OR 2)
        OR (TEMPI = 1 OR 2) OR (TEMPJ = 1 OR 2)

```

ASMO was set to missing if three or more of TEMPF, TEMPG, TEMPH, TEMPI, and TEMPJ were -2.

VARIABLE ASMOX (cont.)

CONSTRUCTION

Five temporary variables were created:

TEMPA = 0 IF DE13376 = 2 AND DE13377 = 1 OR 2
= 1 IF DE13376 = 1 AND DE13377 = 1 OR 2
= 2 IF DE13376 = 1 AND DE13377 = 3
= . IF DE13376 = 1 AND DE13377 = .
= -2 IF DE13376 = . AND DE13377 = .
= -3 IF DE13376 = 2 AND DE13377 = NE .

TEMPB = 0 IF DE13554 = 2 AND DE13555 = 1 OR 2
= 1 IF DE13554 = 1 AND DE13555 = 1 OR 2
= 2 IF DE13554 = 1 AND DE13555 = 3
= . IF DE13554 = 1 AND DE13555 = .
= -2 IF DE13554 = . AND DE13555 = .
= -3 IF DE13554 = 2 AND DE13555 = NE .

TEMPC = 0 IF DE15426 = 2 AND DE15427 = 1 OR 2
= 1 IF DE15426 = 1 AND DE15427 = 1 OR 2
= 2 IF DE15426 = 1 AND DE15427 = 3
= . IF DE15426 = 1 AND DE15427 = .
= -2 IF DE15426 = . AND DE15427 = .
= -3 IF DE15426 = 2 AND DE15427 = NE .

TEMPE = 0 IF DE15422 = 2 AND DE15423 = 1 OR 2
= 1 IF DE15422 = 1 AND DE15423 = 1 OR 2
= 2 IF DE15422 = 1 AND DE15423 = 3
= . IF DE15422 = 1 AND DE15423 = .
= -2 IF DE15422 = . AND DE15423 = .
= -3 IF DE15422 = 2 AND DE15423 = NE .

TEMPF = 0 IF DE15424 = 2 AND DE15425 = 1 OR 2
= 1 IF DE15424 = 1 AND DE15425 = 1 OR 2
= 2 IF DE15424 = 1 AND DE15425 = 3
= . IF DE15424 = 1 AND DE15425 = .
= -2 IF DE15424 = . AND DE15425 = .
= -3 IF DE15424 = 2 AND DE15425 = NE .

(cont.)

VARIABLE ASMOX (cont.)

CONSTRUCTION (cont.)

The five temporary variables were recoded:

TEMPF = -2 IF TEMPA = -2 OR -3
 = 0 IF TEMPA = 0
 = 1 IF TEMPA = 1 OR 1
 = 2 IF TEMPA = 2

TEMPC = -2 IF TEMPB = -2 OR -3
 = 0 IF TEMPB = 0
 = 1 IF TEMPB = 1 OR 1
 = 2 IF TEMPB = 2

TEMPH = -2 IF TEMPC = -2 OR -3
 = 0 IF TEMPC = 0
 = 1 IF TEMPC = 1 OR 1
 = 2 IF TEMPC = 2

TEMPI = -2 IF TEMPD = -2 OR -3
 = 0 IF TEMPD = 0
 = 1 IF TEMPD = 1 OR 1
 = 2 IF TEMPD = 2

TEMPJ = -2 IF TEMPE = -2 OR -3
 = 0 IF TEMPE = 0
 = 1 IF TEMPE = 1 OR 1
 = 2 IF TEMPE = 2

The recoded temporary variables were combined to create the derived variable:

ASMOX = 0 IF TEMPI = 0 OR TEMPG = 0 OR TEMPH = 0
 OR TEMPI = 0 OR TEMPJ = 0
 = 100 IF (TEMPF = 1 OR 2) OR (TEMPC = 1 OR 2)
 OR (TEMPI = 1 OR 2) OR (TEMPJ = 1 OR 2)
 OR (TEMPJ = 1 OR 2)

ASMOX was set to missing if three or more of TEMPF, TEMPG, TEMPH, TEMPI, and TEMPJ were -2.

ATOTL	VALUE	FREQ	CUM FREQ	%	CUM %
	0	952	1803	95.50	95.50
	100	85	1888	4.50	100.00

VARIABLE	ATOTL	CHILD HSA PHYSICAL HEALTH
All Activity Limitations at Enrollment		
CODES		
<p>- Missing includes those born during the experiment, all South Carolina 3-year participants, those with no MIQA, and item nonresponse</p> <p>0 - Has no limitations</p> <p>100 - Has had one or more limitations of some kind for some length of time</p>		
<p>ATOTL measures all limitations (i.e., physical, role activity, self-care, mobility) of any duration that the participant had at enrollment.</p>		

INPUT VARIABLES

DE1320 (NonDayton only -- How long has child needed extra help with eating, dressing, bathing, or using the toilet)

DE15370 (NonDayton only -- Because of health, does child need more help than usual in eating, dressing, bathing, or using the toilet)

APHY Index of physical activity limitations, of any duration, at enrollment (see index for page number in this codebook)

AROLE Index of role activity limitations, of any duration, at enrollment (see index for page number in this codebook)

ASELF (Temporary variable) See construction below.

ASMO Index of mobility limitations, of any duration, at enrollment (see index for page number in this codebook)

CONSTRUCTION

(Dayton)

(0-4 years of age)

ATOTL = 0 IF APHY = 0 OR AROLE = 0 OR ASMO = 0
 = 100 IF APHY = 100 OR AROLE = 100 OR ASMO = 100

The construction of APHY, AROLE, and ASMO required six temporary variables altogether. If three or more of those six temporary variables were -2 or -3, ATOTL was set to missing. (cont.)

VARIABLE ATOIL (cont.)

CONSTRUCTION (cont.)

(5-13 years of age)

ATOTL = 0 IF APHY = 0 OR AROLE = 0 OR ASMO = 0
 = 100 IF APHY = 100 OR AROLE = 100 OR ASMO = 100

The construction of APIHY, AROLE, and ASMO required eleven temporary variables altogether. If six or more of those eleven temporary variables were -2 or -3, ATOTL was set to missing.

(NonDayton)

(0-4 years of age)

ASELF = -2 IF (DE15370 = .) OR (DE15370 = 2 AND DE13230 NE .)
 = 0 IF DE15370 = 2 AND DE13230 = .
 = 100 IF DE15370 = 1 AND DE13230 = . OR 1 OR 2 OR 3

ATOIL = 0 IF APHY = 0 OR AROLE = 0 OR ASELF = 0
 = 100 IF APHY = 100 OR AROLE = 100 OR ASELF = 100

the construction of APIHY, AROLE, and ASELF required five temporary variables altogether. If three or more of those five temporary variables were -2 or -3, ATOTL was set to missing.

(5-13 years of age)

ATOTL = 0 IF APHY = 0 OR AROLE = 0 OR ASMO = 0
 = 100 IF APHY = 100 OR AROLE = 100 OR ASMO = 100

ATOTL was set to missing if one or more of APHY, AROLE, and ASMO was missing.

AIOILX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	861	1906	96.31	96.31
	100	73	1979	3.69	100.00

VARIABLE	AIOILX	CHILD HSA PHYSICAL HEALTH
All Activity Limitations at Exit		
CODES		
. - Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse		
0 - Has no limitations		
100 - Has had one or more limitations of some kind for some length of time		
AIOILX measures all limitations (i.e., physical, role activity, self-care, mobility) of any duration that the participant had at exit.		

INPUT VARIABLES

DL13230 (How long has child needed extra help with eating, dressing, bathing, or using the toilet)
DL15370 (Because of health, does child need more help than usual in eating, dressing, bathing, or using the toilet)
APIYX Index of physical activity limitations, of any duration, at exit (see index for page number in this codebook)
AROLEX Index of role activity limitations, of any duration, at exit (see index for page number in this codebook)
ASFLIX (Temporary variable) See construction below
ASHOX Index of mobility limitations, of any duration, at exit (see index for page number in this codebook)

(cont.)

VARIABLE ATOTLX (cont.)

CONSTRUCTION

{0-4 years of age}

ASFLFX = -2 IF (DE15370 = .) OR (DE15370 = 2 AND
DE13230 NE .)

= 0 IF DE15370 = 2 AND DE13230 = .

= 100 IF DE15370 = 1 AND DE13230 = . OR 1 OR 2 OR 3

ATOTLX = 0 IF APHYX = 0 OR AROLEX = 0 OR ASELEX = 0

= 100 IF APHYX = 100 OR AROLEX = 100 OR ASELEX = 100

The construction of APHYX, AROLEX, and ASELEX required five temporary variables altogether. If three or more of those five temporary variables were -2 or -3, ATOTLX was set to missing.

{5-13 years of age}

ATOTLX = 0 IF APHYX = 0 OR AROLEX = 0 OR ASMOX = 0

= 100 IF APHYX = 100 OR AROLEX = 100 OR ASMOX = 100

ATOTLX was set to missing if one or more of APHYX, AROLEX, and ASMOX was missing.

VARIABLE MIH (cont.)

CONSTRUCTION

Reversals: DE15456, DE15457, DE15459, DE15463, DE15465,
DE15466

TEMP = DE15455 + DE15456 + DE15457 + DE15458 +

DE15459 + DE15460 + DE15461 + DE15462 +

DE15463 + DE15464 + DE15465 + DE15466

MIH = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=12
MAX=72

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	MMIX	CHILD HSA MENTAL HEALTH	MMIX VALUE	FREQ	CUM FREQ	%	CUM %
Index of Mental Health at Exit				1495	1	0.07	0.07
CODES			25	1	1	0.07	0.07
			26.7	2	3	0.15	0.22
			33.3	1	4	0.07	0.30
			35	3	7	0.22	0.52
			43.3	1	8	0.07	0.60
			46.7	3	11	0.22	0.82
			48.6	1	12	0.07	0.89
			50	4	16	0.30	1.19
			51.7	7	23	0.52	1.71
			53.3	1	24	0.07	1.78
			55	6	30	0.45	2.23
			56.7	8	38	0.60	2.83
			58.3	10	48	0.74	3.57
			60	8	56	0.60	4.16
			61.7	15	71	1.12	5.28
			63.3	14	85	1.04	6.32
			65	12	97	0.89	7.21
			65.5	1	98	0.07	7.29
			66.7	23	121	1.71	9.00
			68.3	18	139	1.34	10.34
			69.1	1	140	0.07	10.41
			70	27	167	2.01	12.42
			70.9	1	168	0.07	12.49
			71.7	32	200	2.38	14.87
			72.7	1	201	0.07	14.94
			73.3	33	234	2.45	17.40
			74.5	1	235	0.07	17.47
			75	41	276	3.05	20.52
			76.7	55	331	4.09	24.61
			78	1	332	0.07	24.68
			78.3	57	389	4.24	28.92
			80	71	460	5.28	34.20
			81.7	86	546	6.39	40.60
			81.8	1	547	0.07	40.67
			83.3	87	634	6.47	47.14
			83.6	2	636	0.15	47.29
			85	109	745	8.10	55.39
			85.5	3	748	0.22	55.61
			86.7	103	851	7.66	63.27
			87.3	2	853	0.15	63.42
			88.3	103	956	7.66	71.08
			89.1	1	957	0.07	71.15
			90	94	1051	6.99	78.14
			91.7	66	1117	4.91	83.05
						(cont.)	

INPUT VARIABLES

DE15455 (During the past month, how much of the time did child seem to feel lonely)

DE15456 (During the past month, how much of the time did child seem relaxed and free of tension)

DE15457 (During the past month, how much of the time did child seem to enjoy things he did)

DE15458 (During the past month, how much of the time did child seem to be downhearted or blue)

DE15459 (During the past month, how much was child able to relax without difficulty)

DE15460 (During the past month, how much was child bothered by nervousness)

DE15461 (During the past month, how much of the time did child seem restless, fidgety, or impatient)

DE15462 (During the past month, how much of the time did child seem to be moody or to brood about things)

DE15463 (During the past month, how much of the time did child seem to be cheerful and lighthearted)

DE15464 (During the past month, how much of the time did child seem anxious or worried)

DE15465 (During the past month, how much of the time did child seem to be a happy person)

DE15466 (During the past month, how much of the time did child wake up feeling fresh and rested)

(cont.)

VARIABLE MIIX (cont.)

CONSTRUCTION

Reversals: DE15456, DE15457, DE15459, DE15463, DE15465,
DE15466

TEMP = DE15455 + DE15456 + DE15457 + DE15458 +

DE15459 + DE15460 + DE15461 + DE15462 +

DE15463 + DE15464 + DE15465 + DE15466

MIIX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=12
MAX=72

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VALUE	FREQ	CUM FREQ	%	CUM %
93.3	49	1166	3.64	86.69
95	40	1206	2.97	89.67
96.7	50	1256	3.72	93.38
98.3	36	1292	2.68	96.06
100	53	1345	3.94	100.00

SOREL	VALUE	FREQ	CUM FREQ	%	CUM %
	4.2	1563	1	0.08	0.08
	25	1	8	0.55	0.63
	33.3	7	15	0.55	1.18
	41.7	17	32	1.33	2.51
	45.8	2	34	0.16	2.66
	50	81	115	6.34	9.01
	54.2	3	118	0.24	9.24
	58.3	123	241	9.63	18.87
	62.5	13	254	1.02	19.89
	66.7	120	374	9.40	29.29
	70.8	8	382	0.63	29.91
	75	257	639	20.13	50.04
	79.2	14	653	1.10	51.14
	81.3	1	654	0.08	51.21
	83.3	205	859	16.05	67.27
	87.5	17	876	1.33	68.60
	91.7	180	1056	14.10	82.69
	95.8	6	1062	0.47	83.16
	100	215	1277	16.84	100.00

VARIABLE	SOREL	CHILD IISA SOCIAL HEALTH
Social Relations at Enrollment		
CODES		
-	Missing includes those under 5 years at enrollment, those born during the experiment, all South Carolina 3-year participants, those with no MHQA, and item nonresponse	
SOREL	rates the quality of the personal interactions of participants aged 5 to 13 years, during the three months preceding enrollment, based on how well the participant gets along with other children, the family, and the teacher. Higher scores indicate better social relationships.	

INPUT VARIABLES

DE13294 (During the past three months, how well has child gotten along with other children)
 DE13296 (During the past three months, how well has child gotten along with family)
 DE13302 (During the past three months, how well has child gotten along with teacher and classmates)
 DE15448 (NonDayton only -- During the past three months, how well has child gotten along with family)
 DE15449 (NonDayton only -- During the past three months, how well has child gotten along with teacher and classmates)

CONSTRUCTION

{Dayton}

Reversals: DE13294, DE13296, DE13302

TEMP = DE13294 + DE13296 + DE13302

SOREL = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
 MAX=15

The result was rounded to the nearest tenth.

(cont.)

VARIABLE SORTED. (cont.)
CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

(NonDayton)

The construction of the social relations scale is complicated because two DEI pairs ask the same question: DEI3296 is repeated by DEI5448; and DEI3302 is repeated by DEI5449. To account for cases where the parent responds differently to identical questions, each such pair was averaged:

Reversals: DEI3294, DEI3296, DEI3302, DEI5448, DEI5449

TEMPA = . IF DEI3296 = . AND DEI5448 = .
= DEI5448 IF DEI3296 = . AND DEI5448 NE .
= DEI3296 IF DEI3296 NE . AND DEI5448 = .
= (DEI3296 + DEI5448)/2 IF
DEI3296 NE . AND DEI5448 NE .

TEMPB = . IF DEI3302 = . AND DEI5449 = .
= DEI5449 IF DEI3302 = . AND DEI5449 NE .
= DEI3302 IF DEI3302 NE . AND DEI5449 = .
= (DEI3302 + DEI5449)/2 IF
DEI3302 NE . AND DEI5449 NE .

TEMPC = TEMPA + TEMPB + DEI3294
(cont.)

VARIABLE SORELX (cont.)

CONSTRUCTION (cont.)

SORELX = ((TEMPC - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
MAX=15

The result was rounded to the nearest tenth.

If one or more of TEMPA, TEMPB, and DEI3294 were missing, each missing value was replaced by the mean of the nonmissing variables used in constructing the scale. A missing value was assigned to the scale only if all of the variables composing the scale were missing.

VARIABLE	SORELX	CHILD HSA SOCIAL HEALTH
Social Relations at Exit		
CODES		
. - Missing includes those under 5 years at exit, those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse		
SORELX rates the quality of the personal interactions of participants aged 5 to 13 years, during the three months preceding exit, based on how well the participant gets along with other children, the family, and the teacher. Higher scores indicate better social relationships.		

INPUT VARIABLES

DEI3294 (During the past three months, how well has child gotten along with other children)
DEI5448 (During the past three months, how well has child gotten along with family)
DEI5449 (During the past three months, how well has child gotten along with teacher and classmates)
(cont.)

SORELX VALUE	FREQ	CUM FREQ	%	CUM %
18.8	1495	1	0.07	0.07
31.3	2	3	0.15	0.22
33.3	2	5	0.15	0.37
37.5	7	12	0.52	0.89
41.7	2	14	0.15	1.04
43.8	6	20	0.45	1.49
50	36	56	2.68	4.16
54.2	1	57	0.07	4.24
56.3	38	95	2.83	7.06
58.3	11	106	0.82	7.88
62.5	72	178	5.35	13.23
66.7	15	193	1.12	14.35
68.8	105	298	7.81	22.16
75	162	460	12.05	34.20
81.3	164	624	12.19	46.39
83.3	28	652	2.08	48.48
87.5	213	865	15.84	64.31
91.7	29	894	2.16	66.47
93.8	207	1101	15.39	81.86
95.8	1	1102	0.07	81.93
100	243	1345	18.07	100.00

VARIABLE SORELX (cont.)

INPUT VARIABLES (cont.)

DE15879 (MIQA at exit only -- During the past three months, how well has child gotten along with adults outside the family? 1.Very well, no problems 2.Quite well, hardly any problems 3.Pretty well, occasional problems 4.Not too well, frequent problems 5.Not well at all, serious problems)

CONSTRUCTION

Reversals: DE13294, DE15448, DE15449, DE15879

TEMP = DE13294 + DE15448 + DE15449 + DE15879

SORELX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	GINDX	CHILD HSA GENERAL HEALTH
Index of General Health at Enrollment		
CODES		
. - Missing includes those born during the experiment, all Dayton participants, all South Carolina 3-year participants, those with no MIQA, and item nonresponse		
GINDX rates the participant's general health and resistance to illness at enrollment. Higher scores indicate better general health and resistance to illness. GINDX is based on a set of seven input variables. Three other measures--CURNI, PRIOR, an RSISI--are based on subsets of the same seven input variables.		

INPUT VARIABLES

DEI5365 (NonDayton only -- In general, child's health is
excellent, good, fair or poor)
DEI5416 (NonDayton only -- Child's health is excellent)
DEI5417 (NonDayton only -- Child was so sick once thought
he might die)
DEI5418 (NonDayton only -- Child seems to resist illness
very well)
DEI5419 (NonDayton only -- Child seems to be less healthy than
other children)
DEI5420 (NonDayton only -- Child has never been seriously ill)
DEI5421 (NonDayton only -- When something is going around,
child usually catches it)

CONSTRUCTION

Reversals: DEI5365, DEI5417, DEI5419, DEI5421
TEMP = DEI5365 + DEI5416 + DEI5417 + DEI5418 + DEI5419 +
DEI5420 + DEI5421

GINDX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
MAX=34

The result was rounded to the nearest tenth.

(cont.)

GINDX VALUE	FREQ	CUM FREQ	%	CUM %
0	1284	1	0.06	0.06
3.7	1	2	0.13	0.19
7.4	1	3	0.06	0.26
14.8	3	7	0.19	0.45
18.5	2	9	0.13	0.58
22.2	6	15	0.39	0.96
25.9	8	23	0.51	1.48
29.6	3	26	0.19	1.67
33.3	4	30	0.26	1.93
37	12	42	0.77	2.70
38.9	2	44	0.13	2.83
40.7	10	54	0.64	3.47
44.4	10	64	0.64	4.11
47.5	1	65	0.06	4.18
48.1	21	86	1.35	5.53
51.9	35	121	2.25	7.78
55.6	41	162	2.64	10.41
56.2	1	163	0.06	10.48
59.3	37	200	2.38	12.85
63	69	269	4.43	17.29
66.7	94	363	6.04	23.33
70.4	102	465	6.56	29.88
73.5	1	466	0.06	29.95
74.1	98	564	6.30	36.25
77.8	132	696	8.48	44.73
81.5	118	814	7.58	52.31
82.1	1	815	0.06	52.38
85.2	149	964	9.58	61.95
86.4	1	965	0.06	62.02
88.9	133	1098	8.55	70.57
90.7	2	1100	0.13	70.69
92.6	152	1252	9.77	80.46
93.3	1	1253	0.06	80.53
95.1	2	1255	0.13	80.66
96.3	144	1399	9.25	89.91
99.4	1	1400	0.06	89.97
100	156	1556	10.03	100.00

VARIABLE GINDX (cont.)

CONSTRUCTION (cont.)

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	GINDX	CHILD'S GENERAL HEALTH
Index of General Health at Exit		
CODES		
-	Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse	
GINDX	rates the participant's general health and resistance to illness at exit. Higher scores indicate better general health and resistance to illness. GINDX is based on a set of seven input variables. Three other measures--CURNIX, PRIORX, and RSISX--are based on subsets of the same seven input variables.	

INPUT VARIABLES

DEI5365 (In general, child's health is excellent, good, fair or poor)
 DEI5416 (Child's health is excellent)
 DEI5417 (Child was so sick once thought he might die)
 DEI5418 (Child seems to resist illness very well)
 DEI5419 (Child seems to be less healthy than other children)
 DEI5420 (Child has never been seriously ill)
 DEI5421 (When something is going around, child usually catches it)
 (cont.)

GINDX VALUE	FREQ	%	CUM %
11.1	861	1	0.05
14.8	1	2	0.10
18.5	2	4	0.20
22.2	1	5	0.25
29.6	5	10	0.51
33.3	13	23	1.16
34.6	1	24	1.21
37	10	34	1.72
40.7	13	47	2.38
44.4	25	72	3.64
48.1	23	95	4.80
51.9	59	154	7.78
55.6	49	203	10.26
56.2	3	206	10.41
59.3	74	280	14.15
60.5	3	283	14.30
63	83	366	18.49
64.8	1	367	18.55
66.7	121	488	24.66
67.4	1	489	24.71
69.1	1	490	24.76
70.4	132	622	31.43
72.6	1	623	31.48
73.5	1	624	31.53
74.1	148	772	39.01
77.8	175	947	47.85
81.5	158	1105	55.84

(cont.)

VARIABLE GINDXX (cont.)

CONSTRUCTION

Reversals: DE15365, DE15417, DE15419, DE15421

TFMP = DE15365 + DE15416 + DE15417 + DE15418 + DE15419 +

DE15420 + DE15421

GINDXX = ((TFMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=7
MAX=34

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VALUE	FREQ	CUM FREQ	%	CUM %
82.1	1	1106	0.05	55.89
85.2	212	1318	10.71	66.60
86.4	1	1319	0.05	66.65
88.1	1	1320	0.05	66.70
88.9	167	1487	8.04	75.14
90.7	1	1488	0.05	75.19
92.6	208	1696	10.51	85.70
93.3	1	1697	0.05	85.75
96.3	131	1828	6.62	92.37
100	151	1979	7.63	100.00

CURNT	VALUF	FREQ	CUM FREQ	%	CUM %
	0	1204	3	0.19	0.19
	9.1	3	4	0.06	0.26
	18.2	5	9	0.32	0.58
	27.3	10	19	0.64	1.22
	36.4	13	32	0.84	2.06
	40.9	2	34	0.13	2.19
	45.5	14	48	0.90	3.09
	54.5	48	96	3.09	6.17
	63.6	89	185	5.72	11.89
	72.7	218	403	14.01	25.90
	81.8	260	663	16.71	42.61
	90.9	248	911	15.94	58.55
	95.5	3	914	0.19	58.74
	100	642	1556	41.26	100.00

VARIABLE	CURNT	CHILD HSA GENERAL HEALTH
Current Health at Enrollment		
CODES		
<p>- Missing includes those born during the experiment, all Dayton participants, all South Carolina 3-year participants, those with no MIQA, and item nonresponse</p>		
<p>CURNT rates the participant's health at enrollment. CURNT is based on three of the set of seven input variables used in GINDX; those three focus on current general health. Higher scores indicate better current health.</p>		

INPUT VARIABLES

DE15365 (NonDayton only -- In general, child's health is excellent, good, fair or poor)
 DE15416 (NonDayton only -- Child's health is excellent)
 DE15419 (NonDayton only -- Child seems to be less healthy than other children)

CONSTRUCTION

Reversals: DE15365, DE15419
 $TEMP = DE15365 + DE15416 + DE15419$
 $CURNT = ((TEMP - MIN)/(MAX - MIN)) * 100$
 WHERE MIN=3
 MAX=14

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

CURNTX	VALUF	FREQ	CUM FREQ	%	CUM %
	9.1	861	1	0.05	0.05
	13.6	1	2	0.05	0.10
	18.2	2	4	0.10	0.20
	27.3	7	11	0.35	0.56
	36.4	11	22	0.56	1.11
	45.5	28	50	1.42	2.53
	54.5	89	139	4.50	7.02
	63.6	159	298	8.03	15.06
	68.2	2	300	0.10	15.16
	72.7	357	657	18.04	33.20
	81.8	363	1020	18.34	51.54
	90.9	312	1332	15.77	67.31
	95.5	1	1333	0.05	67.36
	100	646	1979	32.64	100.00

VARIABLE	CURNTX	CHILD HSA GENERAL HEALTH
Current Health at Exit		
CODES		
. - Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse		
CURNTX rates the participant's health at exit. CURNTX is based on three of the set of seven input variables used in GINDEX; those three focus on current general health. Higher scores indicate better current health.		

INPUT VARIABLES

DEI5365 (In general, child's health is excellent, good, fair or poor)
 DEI5416 (Child's health is excellent)
 DEI5419 (Child seems to be less healthy than other children)

CONSTRUCTION

Reversals: DEI5365, DEI5419

TEMP = DEI5365 + DEI5416 + DEI5419

CURNTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=3
 MAX=14

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

PRIORX					
VALUE	FREQ	CUM FREQ	%	CUM %	
0	861	861	4.19	4.19	
12.5	83	944	2.93	7.13	
25	58	1002	2.04	9.17	
37.5	80	1082	2.82	11.99	
50	40	1122	1.41	13.40	
62.5	223	1345	8.15	21.55	
75	94	1439	3.28	24.83	
87.5	169	1608	4.75	29.58	
100	349	1957	9.54	39.12	
	883	1979	44.62	100.00	

VARIABLE	PRIORX	CHILD HISA GENERAL HEALTH
Prior Health at Exit		
CODES		
0 - Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse		
PRIORX rates the participant's health preceding exit. PRIORX is based on two of the set of seven input variables used in GINDXX; those two focus on past general health. Higher scores indicate better past health.		

INPUT VARIABLES

DE15417 (Child was so sick once thought he might die)
DE15420 (Child has never been seriously ill)

CONSTRUCTION

Reversal: DE15417

TEMP = DE15417 + DE15420

PRIORX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

RSIST					
VALUE	FREQ	CUM FREQ	%	CUM %	
0	1284	14	0.90	0.90	
12.5	14	35	1.35	2.25	
25	21	105	4.50	6.75	
37.5	70	156	3.28	10.03	
50	51	156	12.79	22.82	
62.5	199	355	7.01	29.82	
75	109	464	37.60	67.42	
87.5	585	1049	16.32	83.74	
100	254	1303	16.26	100.00	
	253	1556			

VARIABLE	RSIST	CHILD HSA GENERAL HEALTH
Resistance to illness at Enrollment		
CODES		
<p>- Missing includes those born during the experiment, all Dayton participants, all South Carolina 3-year participants, those with no MIQA, and item nonresponse</p>		
<p>RSIST rates the participant's resistance to illness at enrollment. RSIST is based on two of the set of seven input variables used in GINDX; those two focus on resistance to illness. Higher scores indicate greater resistance to illness.</p>		

INPUT VARIABLES

DE15418 (NonDayton only -- Child seems to resist illness very well)
DE15421 (NonDayton only -- When something is going around, child usually catches it)

CONSTRUCTION

Reversal: DE15421

TEMP = DE15418 + DE15421

RSIST = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

RSISTX	VALUE	FREQ	CUM FREQ	%	CUM %
	0	861	11	0.56	0.56
	12.5	11	23	0.61	1.16
	25	81	104	4.09	5.26
	37.5	55	159	2.78	8.03
	50	263	422	13.29	21.32
	62.5	181	603	9.15	30.47
	75	794	1397	40.12	70.59
	87.5	306	1703	15.46	86.05
	100	276	1979	13.95	100.00

VARIABLE	RSISTX	CHILD HSA GENERAL HEALTH
Resistance to illness at Exit		
CODES		
- Missing includes those 14 years and older at exit, those not completing the experiment, those with no MIQA, and item nonresponse		
RSISTX rates the participant's resistance to illness at exit. RSISTX is based on two of the set of seven input variables used in GINDXX; those two focus on resistance to illness. Higher scores indicate greater resistance to illness.		

INPUT VARIABLES

DE15418 (Child seems to resist illness very well)
DE15421 (When something is going around, child usually catches it)

CONSTRUCTION

Reversal: DE15421

TEMP = DE15418 + DE15421

RSISTX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=2
MAX=10

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

SATF	VALUE	FREQ	CUM FREQ	%	CUM %
	37.5	2224	2	0.33	0.33
	50	2	5	0.49	0.81
	56.3	5	10	0.81	1.62
	62.5	15	25	2.44	4.06
	68.8	22	47	3.57	7.63
	75	38	85	6.17	13.80
	81.3	69	154	11.20	25.00
	87.5	88	242	14.29	39.29
	91.7	3	245	0.49	39.77
	93.8	129	374	20.94	60.71
	100	242	616	39.29	100.00

VARIABLE	SATF	CHILD HSA GENERAL HEALTH
Satisfaction with Development at Enrollment		
CODES		
- Missing includes those 5 years and older at enrollment, those born during the experiment, all South Carolina 3-year participants, those with no MIQA, and item nonresponse		
SATF measures the parent's/guardian's satisfaction at enrollment with the development of participants aged 0 to 4 years. Higher scores indicate greater satisfaction.		

INPUT VARIABLES

DE13606 (Satisfaction with child's growth or development)
 DE13607 (Satisfaction with child's eating habits)
 DE13608 (Satisfaction with child's sleeping habits)
 DE13609 (Satisfaction with child's bowel habits)

CONSTRUCTION

Reversals: DE13606, DE13607, DE13608, DE13609

TEMP = DE13606 + DE13607 + DE13608 + DE13609

SATF = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
 MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

VARIABLE	SATFX	CHILD USA GENERAL HEALTH
Satisfaction with Development at Exit		
CODES		
. - Missing includes those 5 years and older at exit, those not completing the experiment, those with no MIIQA, and item nonresponse		
SATFX measures the parent's/guardian's satisfaction at exit with the development of participants aged 0 to 4 years. Higher scores indicate greater satisfaction.		

INPUT VARIABLES

DE13606 (Satisfaction with child's growth or development)
 DE13607 (Satisfaction with child's eating habits)
 DE13608 (Satisfaction with child's sleeping habits)
 DE13609 (Satisfaction with child's bowel habits)

CONSTRUCTION

Reversals: DE13606, DE13607, DE13608, DE13609

TEMP = DE13606 + DE13607 + DE13608 + DE13609

SATFX = ((TEMP - MIN)/(MAX - MIN)) * 100

WHERE MIN=4
 MAX=20

The result was rounded to the nearest tenth.

If one or more input variables were missing, each missing value was replaced by the mean of the nonmissing input variables used in constructing the scale. A missing value was assigned to the scale only if all of the input variables composing the scale were missing.

SATFX VALUE	FREQ	CUM FREQ	%	CUM %
37.5	2206	2	0.32	0.32
43.8	2	3	0.16	0.47
50	2	5	0.32	0.79
56.3	6	11	0.95	1.74
58.3	1	12	0.16	1.89
62.5	12	24	1.89	3.79
66.7	1	25	0.16	3.94
68.8	35	60	5.52	9.46
75	43	103	6.78	16.25
81.3	56	159	8.83	25.08
83.3	1	160	0.16	25.24
87.5	87	247	13.72	38.96
91.7	2	249	0.32	39.27
93.8	130	379	20.51	59.78
100	255	634	40.22	100.00

Appendix A

PARTICIPATION INCENTIVE PAYMENTS

HIE-insured families were paid a participation incentive (PI) if their HIE plans could conceivably impose a greater financial burden than their existing health insurance policies.¹ Calculated yearly, the PI consisted of (1) an amount calculated to be the *maximum* difference between what the family would have to pay for health care under its HIE insurance plan and what it would have paid under its existing insurance plan, unless (2) the premium a family paid to maintain its existing insurance exceeded the maximum difference. In that case, the family was paid an amount equal to the premium payment.

The calculation of item 1 ignored the family's actual medical expenses. To illustrate, consider family X whose HIE plan specified 95 percent coinsurance up to a maximum out-of-pocket expenditure of \$450, above which care was free.² Family X's existing insurance specified a \$100 deductible, above which the family had to pay 20 percent coinsurance. Under its HIE policy, the family had to spend \$473.68 for medical services (with the 5 percent reimbursement) to reach the \$450 out-of-pocket maximum. For the same charge under its existing insurance, the family would have paid \$100 (the deductible) plus 20 percent of the amount between \$100 and \$473.68. The maximum difference was thus $473.68 - 100 - 0.2 (473.68 - 100) = 298.94$. Family X was entitled to \$298.94 per year for that portion of its participation incentive.

The total PI could not exceed the MDE specified in the family's HIE plan unless the family's share of its insurance premium exceeded the MDE. For example, if family X paid an insurance premium of \$300, its

¹Participation incentive payments were not offered to families receiving free care (plan A, described on p. 3) who had no premium to pay, families who had no health insurance before the experiment, and families whose other policies had equal or less generous terms, under all circumstances, than their HIE plan.

²In HIE terminology, maximum out-of-pocket expenditure is called "maximum dollar expenditure," or MDE.

total PI entitlement was \$450, not \$598.94 (300 + 298.94). If the family paid a premium of \$600, its PI was \$600 because the premium exceeded the MDE of \$450. On the other hand, a family who had a high MDE in its HIE plan and an existing insurance policy with 0 percent coinsurance, no deductible, and an employer-paid premium was entitled to the full MDE amount. The purpose of PI payments was to ensure that a family was no worse off financially by participating in the experiment--whether because of the cost of its insurance premium or the "worse" terms of its HIE insurance plan compared with its existing policy.³

As encouragement for families to complete their assigned enrollment terms, a portion of the family's annual PI was withheld until the last year of the term.⁴ The family received its full annual PI that last year, and the amount previously withheld was paid as part of a completion bonus when the family completed the physical screening examination and medical health questionnaire at exit.⁵

To measure enrollees' responsiveness to PI payments, a subset of families received their full annual PI in the next-to-last, as well as the last, year of their term. That "super PI bonus" was offered to 44.4 percent of the families assigned to insurance plans requiring 95 percent coinsurance, the highest rate (plans K-N, described on pp. 3-4). Super PI

³Calculation of PI is further described in Clasquin and Brown, op. cit. The formula on p. 20 of that report should read $PI = \max[K \times PG, PR]$.

⁴The percentage of PI withheld depended on the site and assigned enrollment term, as follows:

	<i>3-yr Term</i>	<i>5-yr Term</i>
Dayton	25	15
Seattle	25	15
Fitchburg	33.3	25
Franklin Co.	33.3	25
Charleston	33.3	20
Georgetown Co.	33.3	20

If the discounted PI was not enough to reimburse the cost of the family's insurance premium, however, the family received the full amount of its premium. The difference between the premium and the discounted PI was then subtracted from the withheld amount.

⁵The rest of the completion bonus was the largest annual PI to which the family had been entitled during its enrollment (minus the withheld amount) or \$120, whichever was greater.

recipients represented all sites and both terms of enrollment except Dayton enrollees assigned to three-year terms, who had already begun their next-to-last year when super PI was instituted. Within the 95 percent coinsurance plans, super PI recipients were chosen using the "finite selection model." That model was developed by RAND to assign enrollees to experimental insurance plans so that, across plans, families resembled each other in 24 health and socioeconomic characteristics.⁶

⁶The finite selection model is described in Carl N. Morris, "A Finite Selection Model for Experimental Design of the Health Insurance Study," *Journal of Econometrics*, Vol. 11, 1979, pp. 43-61.

Appendix B

HIE DATA FILES

This appendix identifies the data files that the HIE has either issued or expects to issue, grouped in topical series. As a tape of each file is issued, a companion codebook is published as a RAND Note. One Note may contain the codebooks for several files. In addition to issuing files and codebooks, HIE staff will prepare a user's guide to provide assistance in understanding and using the HIE database for analysis.

The list below cites codebooks for the files that have been issued, and file names for those not yet issued. At this time it is impossible to predict exact issue dates for future files and codebooks. This preliminary list is to alert prospective users to the variety of subject matter covered by the HIE database and to the existence of related files that should be used together.

Before ordering a file or codebook, be sure to verify its availability with the RAND Publications Department, using the reference numbers cited below (e.g., MS3).

ISSUED TO DATE

Master Sample Series

MS1. *Vol. 1: Codebook for Eligibility-Family Changes File*, by S. M. Polich and C. d'Arc Taylor, The RAND Corporation, N-2264/1-HHS, May 1986.

MS2. *Vol. 2: Codebook for Full Sample Demographic File*, by S. M. Polich, N. F. Campbell, C. d'Arc Taylor, D. L. Wesley, J. W. Keesey, and E. S. Bloomfield, The RAND Corporation, N-2264/2-HHS, May 1986.

Aggregated Claims Series

AC1. *Vol. 1: Codebook for Fee-for-Service Annual Expenditures and Visit Counts*, by C. E. Peterson, M. Nelsen, and E. S. Bloomfield, The RAND Corporation, N-2360/1-HHS, May 1986.

ISSUED TO DATE (cont.)

AC2-AC4. *Vol. 2: Codebooks for Fee-for-Service Visits--Outpatient, Inpatient, and Dental*, by C. E. Peterson, M. Nelsen, D. L. Wesley, and E. S. Bloomfield, The RAND Corporation, N-2360/2-HHS, June 1986.

- AC2. FFS outpatient visits
- AC3. FFS inpatient visits
- AC4. FFS dental visits

AC5-AC6. *Vol. 3: Codebooks for Fee-for-Service Treatment Episodes and Annual Episode Counts*, by C. E. Peterson, C. d'Arc Taylor, and E. S. Bloomfield, The RAND Corporation, N-2360/3-HHS, June 1986.

- AC5. FFS treatment episodes
- AC6. FFS annual episode counts

Claims Line-Item Series

LI1-LI14. *Vol. 1: Codebooks for Fee-for-Service Claims*, by C. E. Peterson, M. Nelsen, D. L. Wesley, E. S. Bloomfield, and S. M. Polich, The RAND Corporation, N-2347/1-HHS, June 1986.

- LI1. FFS data: hospital inpatient services
- LI2. FFS data: inpatient physician procedures billed by institutions
- LI3. FFS data: drugs prescribed by physicians
- LI4. FFS data: supplies prescribed by physicians
- LI5. FFS data: services rendered by physicians
- LI6. FFS data: drugs sold by physicians
- LI7. FFS data: supplies sold by physicians
- LI8. FFS data: injections administered by physicians
- LI9. FFS data: outpatient services billed by institutions
- LI10. FFS data: services rendered by dentists
- LI11. FFS data: drugs prescribed by dentists
- LI12. FFS data: drugs purchased
- LI13. FFS data: supplies purchased from pharmacies
- LI14. FFS data: supplies purchased from nonpharmacy suppliers

LI15-LI25. *Vol. 2: Codebooks for Health Maintenance Organization Claims*, by C. E. Peterson, M. Nelsen, E. S. Bloomfield, D. L. Wesley, and A. M. Bell, The RAND Corporation, N-2347/2-HHS, August 1986.

- LI15. Seattle HMO data: hospital inpatient services
- LI16. Seattle HMO data: inpatient physician services
- LI17. Seattle HMO data: drugs prescribed by physicians
- LI18. Seattle HMO data: supplies prescribed by physicians
- LI19. Seattle HMO data: services rendered by physicians
- LI20. Seattle HMO data: drugs dispensed by physicians

ISSUED TO DATE (cont.)

- LI21. Seattle HMO data: supplies dispensed by physicians
- LI22. Seattle HMO data: injections administered by physicians
- LI23. Seattle HMO data: outpatient services provided by institutions
- LI24. Seattle HMO data: drugs dispensed
- LI25. Seattle HMO data: supplies dispensed

LI26-LI29. *Vol. 3: Codebooks for Seattle Fee-for-Service Claims for Comparison with Health Maintenance Organization Claims*, by C. E. Peterson, M. Nelsen, and D. L. Wesley, The RAND Corporation, N-2347/3-HHS, October 1986.

- LI26. Seattle FFS data for HMO comparison: hospital inpatient services
- LI27. Seattle FFS data for HMO comparison: inpatient physician procedures billed by institutions
- LI28. Seattle FFS data for HMO comparison: outpatient services rendered by physicians
- LI29. Seattle FFS data for HMO comparison: injections administered by physicians

HIE Reference Series

RF1. *Vol. 1: Codes Used in HIE Claims--Diagnoses, Symptoms, Procedures, Drugs, and Supplies*, by M. Nelsen and C. A. Edwards, The RAND Corporation, N-2349/1-HHS, May 1986.

Health Status and Attitude Series

HS1-HS2. *Vol. 1: Codebooks for Adults and Children at Enrollment and Exit*, by E. M. Sloss, L. L. Colbert, D. L. Wesley, A. M. Bell, and A. B. Holland, The RAND Corporation, N-2447/1-HHS, November 1986.

- HS1. Adults at enrollment and exit
- HS2. Children at enrollment and exit

Medical History Questionnaire Series

MH1A-MH3A. *Vol. 1: Codebooks for Adults at Enrollment and Exit, Form A*, by C. A. Edwards, A. B. Holland, L. Y. Weissler, and M. Nelsen, The RAND Corporation, N-2485/1-HHS, August 1986.

- MH1A. Dayton adults at enrollment, Form A
- MH2A. NonDayton adults at enrollment, Form A
- MH3A. Adults at exit, Form A

ISSUED TO DATE (cont.)

MH1B-MH3B. *Vol. 2: Codebooks for Adults at Enrollment and Exit, Form B*, by C. A. Edwards, A. B. Holland, L. Y. Weissler, and M. Nelsen, The RAND Corporation, N-2485/2-HHS, October 1986.

- MH1B. Dayton adults at enrollment, Form B
- MH2B. NonDayton adults at enrollment, Form B
- MH3B. Adults at exit, Form B

MH4A-MH6B. *Vol. 3: Codebooks for Children at Enrollment and Exit*, by C. A. Edwards, A. M. Bell, D. L. Wesley, L. Y. Weissler, and M. Nelsen, The RAND Corporation, N-2485/3-HHS, November 1986.

- MH4A. Dayton children at enrollment, Form A
- MH4B. Dayton children at enrollment, Form B
- MH5A. NonDayton children at enrollment, Form A
- MH5B. NonDayton children at enrollment, Form B
- MH6A. Children at exit, Form A
- MH6B. Children at exit, Form B

MH7A-MH9B. *Vol. 4: Codebooks for Infants at Enrollment and Exit*, by C. A. Edwards, A. B. Holland, D. L. Wesley, A. M. Bell, L. Y. Weissler, and M. Nelsen, The RAND Corporation, N-2485/4-HHS, November 1986.

- MH7A. Dayton infants at enrollment, Form A
- MH7B. Dayton infants at enrollment, Form B
- MH8A. NonDayton infants at enrollment, Form A
- MH8B. NonDayton infants at enrollment, Form B
- MH9A. Infants at exit, Form A
- MH9B. Infants at exit, Form B

Insurance Preference

IP1. *Codebooks for Insurance Preference Files: Relation between Expense Limit and Premium*, by E. S. Bloomfield, L. Y. Weissler, and A. B. Holland, The RAND Corporation, N-2508-HHS, October 1986.

TO BE ISSUED

Master Sample Series

- MS3. Supplemental data file

Aggregated Claims Series

- AC7. HMO and Seattle FFS annual expenditures and visit counts
- AC8. HMO and Seattle FFS outpatient visits
- AC9. HMO and Seattle FFS inpatient visits

TO BE ISSUED (cont.)

HIE Reference Series

- RF2. Providers cited in HIE data
- RF3. User's guide to HIE data

Medical Disorder Series

- MD1. Adult medical disorders at enrollment and exit
- MD2. Infant and child medical disorders at enrollment and exit

Dental Examinations

- DE1. Adults and children at enrollment and exit

Appendix C
HIE PUBLICATIONS ON HEALTH STATUS AND ATTITUDES

SERIES PUBLICATIONS

Conceptualization and Measurement of Health for Adults in the Health Insurance Study:

Vol. I, Model of Health and Methodology, by John E. Ware, Jr., et al., The RAND Corporation, R-1987/1-HEW, May 1980.

Vol. II, Physical Health in Terms of Functioning, by Anita L. Stewart et al., The RAND Corporation, R-1987/2-HEW, July 1978.

Vol. III, Mental Health, by John E. Ware, Jr., et al., The RAND Corporation, R-1987/3-HEW, December 1979.

Vol. IV, Social Health, by Cathy A. Donald et al., The RAND Corporation, R-1987/4-HEW, August 1978.

Vol. V, General Health Perceptions, by John E. Ware, Jr., Allyson Davies-Avery, and Cathy A. Donald, The RAND Corporation, R-1987/5-HEW, September 1978.

Vol. VI, Analysis of Relationships among Health Status Measures, by John E. Ware, Jr., Allyson Davies-Avery, and Robert H. Brook, The RAND Corporation, R-1987/6-HEW, November 1980.

Vol. VII, Power Analysis of Health Status Measures, by William H. Rogers, Kathleen N. Williams, and Robert H. Brook, The RAND Corporation, R-1987/7-HEW, March 1979.

Vol. VIII, Overview, by Robert H. Brook et al., The RAND Corporation, R-1987/8-HEW, October 1979. Also published as "Overview of Adult Health Status Measures Fielded in Rand's Health Insurance Study" in Supplement to *Medical Care*, Vol. 17, No. 7, July 1979.

Conceptualization and Measurement of Health Habits for Adults in the Health Insurance Study:

Vol. I, Smoking, by Anita L. Stewart, Robert H. Brook, and Robert L. Kane, The RAND Corporation, R-2374/1-HEW, June 1979.

Vol. II, Overweight, by Anita L. Stewart, Robert H. Brook, and Robert L. Kane, The RAND Corporation, R-2374/2-HEW, July 1980.

Construction and Scoring of Aggregate Functional Status Measures:

Vol. I, by Anita L. Stewart, John E. Ware, Jr., and Robert H. Brook, The RAND Corporation, R-2551-1-HHS, August 1982. Also published as

"Advances in the Measurement of Functional Status: Construction of Aggregate Indexes," *Medical Care*, Vol. 19, No. 5, May 1981, pp. 473-488.

Vol. II, *Appendixes*, by Anita L. Stewart, John E. Ware, Jr., and Robert H. Brook, The RAND Corporation, N-1706-1-HHS, August 1982.

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Brook, Robert H., et al., *New England Journal of Medicine*, Vol. 310, No. 22, 31 May 1984, p. 1470: response to letters to the editor grouped under the heading "Does Free Care Improve Adults' Health?" pp. 1468-1469.

Davies, Allyson R., et al., "Consumer Acceptance of Prepaid and Fee-for-Service Medical Care: Results from a Randomized Controlled Trial," *Health Services Research*, Vol. 21, No. 3, August 1986, pp. 429-452.

Davies, Allyson R., and John E. Ware, Jr., *Measuring Health Perceptions in the Health Insurance Experiment*, The RAND Corporation, R-2711-HHS, October 1981.

Davies, Allyson R., and John E. Ware, Jr., *Development of a Dental Satisfaction Questionnaire for the Health Insurance Experiment*, The RAND Corporation, R-2712-HHS, April 1982. Also published as "Measuring Patient Satisfaction with Dental Care," *Social Science and Medicine*, Vol. 15A, No. 6, December 1981, pp. 751-760.

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Williams, Ann W., John E. Ware, Jr., and Cathy A. Donald, "A Model of Mental Health, Life Events, and Social Supports Applicable to General Populations," *Journal of Health and Social Behavior*, Vol. 22, No. 4, December 1981, pp. 324-336.

Appendix D

**DAYTON ENROLLMENT AND REVISED (NONDAYTON) VERSIONS
OF MEDICAL HISTORY QUESTIONNAIRE FORM A**

NOTE: The numbers in the right margins
correspond to the DEI numbers referred
to throughout the codebooks.

MEDICAL HISTORY QUESTIONNAIRE FORM A
DAYTON ENROLLMENT, AGES 0-4

HIEI#44
UOSI#171
OMB#85-R-0238
Expires: 12/80

Health Insurance Study
Dayton, Ohio

**MEDICAL HISTORY
FORM A
Ages 0-4**

TO BE FILLED OUT ABOUT: _____

TO BE FILLED OUT BY: _____

(Adult in family who knows the most about this child's health.)

A NOTE ABOUT THE FORM

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, feel free to call the following person, who will be happy to help you.

Mr. Tom Harper
223-8765

If you cannot fill the form out, and no one in your family can help you, call Mr. Harper and he will send an interviewer to help you.

Instructions on how to fill out the form are on the next page.

INSTRUCTIONS

1. Read each question carefully.
2. Circle the number of the answer which most closely fits this child. (See example below.)
3. Follow any red instructions which tell you to go to another question or page.
4. If there are no red instructions go to the very next question.
5. Look at the example below, and begin on the next page.

EXAMPLE — HOW TO FILL OUT FORM.

1. HAS THIS CHILD EVER HAD A COLD?
NO 2 (GO to q. 3)
YES 1 (GO to q. 2)

2. How long did this child's most recent cold last?
..... Days

3. HAS THIS CHILD EVER TAKEN ASPIRIN?
YES 1 (GO to q. 5, next page)
NO 2 (GO to q. 4)

4. Why hasn't this child ever taken aspirin?
(Circle one.)

Allergic 1
No reason, never
needed it 2
Don't believe in taking
medicines 3
Other reason 4
What?

(Circle the number of the answer which best describes this child.)

(A red instruction next to your answer tells you which question to go to next.)

(If there is no red instruction next to your answer go to the very next question.)

BEGIN ON THE NEXT PAGE

IF YOU HAVE ANY QUESTIONS OR
PROBLEMS, CALL TOM HARPER
AT 223-8765

MEDICAL HISTORY, FORM A, AGES 0-4

1. HOW MUCH DID THIS CHILD WEIGH AT BIRTH? 3600
_____ POUNDS _____ OUNCES 3601
2. WAS THIS CHILD BORN PREMATURELY? (THAT IS, EARLY OR NOT CARRIED AT 3602
LEAST 8-1/2 MONTHS.)
(Circle one.)
YES 1
NO 2
DON'T KNOW 8
3. AT WHAT AGE DID THIS CHILD FIRST SIT UP WITHOUT HELP? (WRITE IN NUMBER 3603
OF MONTHS OR IF DOESN'T SIT UP YET, CIRCLE "99".)
_____ MONTHS
DOESN'T SIT UP YET 99
4. AT WHAT AGE DID THIS CHILD FIRST WALK WITHOUT HELP? (WRITE IN NUMBER 3604
OF MONTHS OR IF DOESN'T WALK YET, CIRCLE "99".)
_____ MONTHS
DOESN'T WALK YET 99
5. AT WHAT AGE DID THIS CHILD SPEAK A REAL WORD FOR THE FIRST TIME? (FOR 3605
EXAMPLE, "MAMA" OR "DADA".) (WRITE IN NUMBER OF MONTHS OR IF DOESN'T
TALK YET, CIRCLE "99".)
_____ MONTHS
DOESN'T TALK YET 99
6. CONSIDERING THIS CHILD'S PROGRESS IN SITTING UP, WALKING, AND TALKING, 3606
HOW DO YOU FEEL ABOUT THE WAY HE/SHE IS GROWING UP OR DEVELOPING?
(Circle one.)
VERY SATISFIED 1
SOMEWHAT SATISFIED 2
NEITHER SATISFIED NOR WORRIED 3
SOMEWHAT WORRIED 4
VERY WORRIED 5

7. HOW DO YOU FEEL ABOUT THIS CHILD'S EATING HABITS? 3607

(Circle one.)

- VERY SATISFIED 1
- SOMEWHAT SATISFIED 2
- NEITHER SATISFIED NOR WORRIED 3
- SOMEWHAT WORRIED 4
- VERY WORRIED 5

8. HOW DO YOU FEEL ABOUT THIS CHILD'S SLEEPING HABITS? 3608

(Circle one.)

- VERY SATISFIED 1
- SOMEWHAT SATISFIED 2
- NEITHER SATISFIED NOR WORRIED 3
- SOMEWHAT WORRIED 4
- VERY WORRIED 5

9. HOW DO YOU FEEL ABOUT THIS CHILD'S BOWEL HABITS? 3609

(Circle one.)

- VERY SATISFIED 1
- SOMEWHAT SATISFIED 2
- NEITHER SATISFIED NOR WORRIED 3
- SOMEWHAT WORRIED 4
- VERY WORRIED 5

10. HOW MUCH TIME HAVE DOCTORS SPENT TALKING TO YOU ABOUT THIS CHILD'S EATING, SLEEPING, AND BOWEL HABITS? 3610

(Circle one.)

- TOO MUCH TIME 1
- ENOUGH TIME 2
- NOT ENOUGH TIME 3
- HAVEN'T TALKED WITH A DOCTOR
ABOUT THESE HABITS 9

11. HAS THIS CHILD HAD THE FOLLOWING IMMUNIZATIONS? CIRCLE YES, NO, OR DON'T KNOW FOR EACH.

DPT (DIPHTHERIA, WHOOPING COUGH, AND TETANUS) ("DIPHTHERIA" PRONOUNCED "DIP-THEER-EE-UH")	YES 1	3611
	NO 2	
	DON'T KNOW . . 8	
POLIO	YES 1	3612
	NO 2	
	DON'T KNOW . . 8	
SMALLPOX	YES 1	3613
	NO 2	
	DON'T KNOW . . 8	
REGULAR MEASLES	YES 1	3614
	NO 2	
	DON'T KNOW . . 8	
GERMAN MEASLES	YES 1	3615
	NO 2	
	DON'T KNOW . . 8	
MUMPS	YES 1	3616
	NO 2	
	DON'T KNOW . . 8	
OTHER, DON'T KNOW WHAT FOR	YES 1	3617
	NO 2	
	DON'T KNOW . . 8	

12. HAS THIS CHILD EVER ACCIDENTALLY SWALLOWED ANY MEDICINES, PILLS OR POISON? 3618

(Circle one.)

NEVER	1
ONCE	2
TWICE	3
THREE OR MORE TIMES	4
DON'T KNOW	8

13. IS THIS CHILD ALLERGIC TO PENICILLIN OR AMPICILLIN? 3619
("PENICILLIN" PRONOUNCED "PEN-ih-SIL-IN")
("AMPICILLIN" PRONOUNCED "AMP-ih-SIL-IN")
(Circle one.)
YES 1
NO 2
DON'T KNOW 8
14. HOW TALL IS THIS CHILD WITHOUT SHOES ON? 3620
_____ FEET _____ INCHES 3621
15. HOW MUCH DOES THIS CHILD WEIGH WITHOUT HEAVY CLOTHING? 3622
_____ POUNDS

EAR INFECTIONS

16. DURING THE PAST 12 MONTHS, ABOUT HOW MANY TIMES HAS THIS CHILD EVER 3623
HAD AN EAR INFECTION? (WRITE IN NUMBER OF TIMES OR IF NO EAR INFECTIONS
CIRCLE "99".)
HASN'T HAD AN EAR
INFECTION 99 — (GO to q. 21, next page)
NUMBER OF
_____ TIMES (GO to q. 17)
17. During the past 12 months, how much have this child's ear infections worried 3624
or concerned you?
(Circle one.)
A lot 1
Somewhat 2
A little 3
Not at all 4
18. In general, when this child has had an ear infection, how many days has it 3625
lasted?
_____ Days

19. In general, when this child has had an ear infection, how many days has it kept this child in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3626

_____ Days in bed

20. During the past 12 months, when this child has had an ear infection, how often has it kept him from doing the kinds of activities other children the same age do? 3627

(Circle one.)

- All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

COLDS

21. DURING THE PAST 12 MONTHS, ABOUT HOW MANY COLDS HAS THIS CHILD HAD? 3628
(WRITE IN NUMBER OR IF NO COLDS, CIRCLE "99".)

HAS'N'T HAD A COLD .. 99 — (GO to q. 26. next page)

NUMBER OF
_____ COLDS (GO to q. 22)

22. During the past 12 months, how much have this child's colds worried or concerned you? 3629

(Circle one.)

- A lot 1
Somewhat 2
A little 3
Not at all 4

23. In general, when this child has had a cold, how many days has it lasted? 3630

_____ Days

24. In general, when this child has had a cold, how many days has it kept this child in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3631

_____ Days in bed

25. During the past 12 months, when this child has had a cold, how often has it kept him from doing the kinds of activities other children the same age do? 3632

(Circle one.)

- All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

FUTURE HEALTH EXPENSES

26. HOW MUCH DO YOU THINK THIS CHILD'S HEALTH CARE WILL COST DURING THE NEXT 12 MONTHS? 3633
3634

INCLUDE EVERY EXPENSE FOR DOCTORS, DENTISTS, NURSES, CLINICS, PSYCHIATRISTS, MEDICAL TESTS, DRUGS, HOSPITALS, ETC.

INCLUDE EXPENSES YOU WILL PAY AND EXPENSES WHICH WILL BE PAID BY INSURANCE, MEDICAID, MEDICARE, AND OTHER PEOPLE.

(Circle one.)

- LESS THAN \$100 1
BETWEEN \$100-\$500 2
(ABOUT HOW MUCH? \$ _____)
BETWEEN \$500-\$1000 3
(ABOUT HOW MUCH? \$ _____)
OVER \$1000 4
(ABOUT HOW MUCH? \$ _____)

MEDICAL APPLIANCES

The next questions are about eyeglasses, contact lenses, hearing aids, and braces for teeth.

27. DOES THIS CHILD WEAR EYEGLASSES OR CONTACT LENSES? 3637
NO 2 — (GO to q. 31)
YES 1 — (GO to q. 28)
28. When was the last time this child got a new pair of eyeglasses or contact lenses? 3638
3639
..... Month Year
29. Did this child wear eyeglasses or contact lenses before that time? 3640
No 2 — (GO to q. 31)
Yes 1 — (GO to q. 30)
30. When was the last time this child got a new pair of eyeglasses or contact lenses before that time? 3641
3642
..... Month Year
31. DOES THIS CHILD WEAR A HEARING AID? 3643
NO 2 — (GO to q. 35)
YES 1 — (GO to q. 32)
32. When was the last time this child got a new hearing aid? 3644
3645
..... Month Year
33. Did this child wear a hearing aid before that time? 3646
No 2 — (GO to q. 35)
Yes 1 — (GO to q. 34)
34. When was the last time this child got a new hearing aid before that time? 3647
3648
..... Month Year
35. DOES THIS CHILD WEAR BRACES FOR TEETH? 3649
NO 2 — (GO to q. 39, next page)
YES 1 — (GO to q. 36)
36. When was the last time this child got new braces for teeth? 2864
2898
..... Month Year

37. Did this child wear braces for teeth before that time? 2917
No 2 — (GO to q. 39)
Yes 1 — (GO to q. 38)
38. When was the last time this child got new braces for teeth before that time? 2918
..... Month Year 2919

GENERAL HEALTH

The next few questions are about this child's overall health.

39. IS THIS CHILD ABLE TO TAKE PART IN ALL ORDINARY PLAY WITH OTHER CHILDREN? 2931
YES 1 — (GO to q. 41)
NO 2 — (GO to q. 40)
40. How long has this child been unable to take part in all ordinary play? 2932
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3
41. IS THIS CHILD LIMITED IN THE KIND OR AMOUNT OF PLAY HE CAN DO BECAUSE OF HEALTH? 2933
NO 2 — (GO to q. 43)
YES 1 — (GO to q. 42)
42. How long has this child been limited in the kind or amount of play because of health? 3228
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3
43. DOES THIS CHILD NEED MORE HELP THAN USUAL FOR CHILDREN OF THE SAME AGE IN EATING, DRESSING, BATHING, OR USING THE TOILET? 3229
NO 2 — (GO to q. 45, next page)
YES 1 — (GO to q. 44, next page)

44. How long has this child needed more help than usual for children of the same age in eating, dressing, bathing, or using the toilet? 3230

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

45. DOES THIS CHILD USE CRUTCHES, ARTIFICIAL LIMBS, OR BRACES TO WALK? 3238

NO 2 — (GO to q. 47)

YES 1 — (GO to q. 46)

46. How long has this child used crutches, artificial limbs, or braces to walk? 3239

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

47. IS THIS CHILD IN BED FOR ALL OR MOST OF THE DAY BECAUSE OF HEALTH? 3240

NO 2 — (GO to q. 49)

YES 1 — (GO to q. 48)

48. How long has this child been in bed for all or most of the day because of health? 3241

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

49. IS THIS CHILD IN A HOSPITAL OR OTHER MEDICAL FACILITY BECAUSE OF HEALTH? 3242

NO 2 — (GO to q. 51, next page)

YES 1 — (GO to q. 50)

50. How long has this child been in a hospital or other medical facility because of health? 3243

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

MEDICINES TAKEN

These last few questions are about the prescription medicines this child has taken in the last 48 hours (2 days). It is very important that you answer only for that time and that you answer only about prescription medicines this child actually took.

51. DID THIS CHILD TAKE ANY PRESCRIPTION MEDICINES IN THE LAST 48 HOURS? 3244

NO 2 — (GO to q. 53, page 14)

YES 1 — (GO to q. 52)

52. How many different prescription medicines did this child take in the last 48 hours? 3245

..... Prescription medicines

For each different type of medicine, copy the requested information from the label on the bottle. Fill out one box for each type of medicine this child took.

IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL".

A. Name of medicine:	3246
Instructions: How often does the label instruct this child to take the medicine?	3247
.....	3248
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.)	3249
.....	3250
Prescription number:	3251
Name of pharmacy (drug store):	NC
Phone number of pharmacy:	NC
Dosage (strength of medicine):	NC
.....	3252
.....	3635

B. Name of medicine:	3253
Instructions: How often does the label instruct this child to take the medicine?	3254
.....	3255
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.)	3256
.....	3257
Prescription number:	3258
Name of pharmacy (drug store):	NC
Phone number of pharmacy:	NC
Dosage (strength of medicine):	NC
.....	3636
.....	3259

	3260
	3261
C. Name of medicine: _____	3262
Instructions: How often does the label instruct this child to take the medicine? _____	3263
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3264
	3265
Prescription number: _____	
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	NC
	3266
	3331

	3267
	3268
D. Name of medicine: _____	3269
Instructions: How often does the label instruct this child to take the medicine? _____	3270
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3271
	3272
Prescription number: _____	
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	NC
	3273
	3332

	3274
	3275
E. Name of medicine: _____	3276
Instructions: How often does the label instruct this child to take the medicine? _____	3277
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3278
	3281
Prescription number: _____	
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	NC
	3282
	3333

53. NAME OF PERSON WHO FILLED OUT THIS FORM: _____ 3283

54. IF THE PERSON WHO WAS ASKED TO FILL THE FORM OUT DID NOT FILL IT OUT 3284
ALONE, CIRCLE REASONS FOR HELP:

PERSON WHO WAS ASKED TO FILL FORM OUT:	CAN'T READ WELL ENOUGH	1
	HAS EYESIGHT PROBLEM	2
	HAS ARTHRITIS OR OTHER WRITING LIMITATION	3
	DOESN'T SPEAK ENGLISH WELL ENOUGH	4
	IS AWAY FROM HOME AND WILL NOT RETURN BEFORE FORM IS DUE	5
	OTHER: _____	
	_____	6

55. DATE FORM WAS COMPLETED: _____ / _____ / _____
Month Day Year

3285
3286
3287

THIS IS THE END OF THE MEDICAL HISTORY FOR CHILDREN 0-4 YEARS OLD. THANK YOU VERY MUCH. IF YOU HAVE ANY COMMENTS, PLEASE WRITE THEM BELOW.

[illegible]

**MEDICAL HISTORY QUESTIONNAIRE FORM A
DAYTON ENROLLMENT, AGES 5-13**

HIEI#45
UOSI#172
OMB#85-R-0238
Expires: 12/80

Health Insurance Study
Dayton, Ohio

**MEDICAL HISTORY
FORM A
Ages 5-13**

TO BE FILLED OUT ABOUT: _____

TO BE FILLED OUT BY: _____
(Adult in family who knows the most about this child's health.)

A NOTE ABOUT THE FORM

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, feel free to call the following person, who will be happy to help you.

Mr. Tom Harper
223-8765

If you cannot fill the form out, and no one in your family can help you, call Mr. Harper and he will send an interviewer to help you.

Instructions on how to fill out the form are on the next page.

INSTRUCTIONS

1. Read each question carefully.
2. Circle the number of the answer which most closely fits this child. (See example below.)
3. Follow any red instructions which tell you to go to another question or page.
4. If there are no red instructions go to the very next question.
5. Look at the example below, and begin on the next page.

EXAMPLE — HOW TO FILL OUT FORM.

1. HAS THIS CHILD EVER HAD A COLD?
NO ② (GO to q. 3)
YES 1 (GO to q. 2)

2. How long did this child's most recent cold last?
..... Days

3. HAS THIS CHILD EVER TAKEN ASPIRIN?
YES 1 (GO to q. 5 next page)
NO ② (GO to q. 4)

4. Why hasn't this child ever taken aspirin?
(Circle one.)

Allergic 1
No reason, never
needed it ②
Don't believe in taking
medicines 3
Other reason 4
What?

*Circle the
number of the
answer which
best describes
this child.*

*A red in-
struction next
to your answer
tells you
which question
to go to next.*

*If there is no
red instruction
next to your
answer go to
the very next
question.*

BEGIN ON THE NEXT PAGE

IF YOU HAVE ANY QUESTIONS OR
PROBLEMS, CALL TOM HARPER
AT 223-8765

FORM A, AGES 5-13

1. HOW MUCH DID THIS CHILD WEIGH AT BIRTH? 3291
_____ POUNDS _____ OUNCES 3292

2. WAS THIS CHILD BORN PREMATURELY? (THAT IS, EARLY OR NOT CARRIED AT 3293
LEAST 8-1/2 MONTHS.)

(Circle one.)

- YES 1
NO 2
DON'T KNOW 8

3. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG WITH 3294
OTHER CHILDREN?

(Circle one.)

- VERY WELL 1
QUITE WELL 2
PRETTY WELL 3
NOT TOO WELL 4
NOT WELL AT ALL 5

4. DURING THE PAST 3 MONTHS, HOW MUCH HAVE YOU BEEN WORRIED ABOUT HOW 3295
WELL THIS CHILD GETS ALONG WITH OTHER CHILDREN?

(Circle one.)

- A LOT 1
SOMEWHAT 2
A LITTLE 3
NOT AT ALL 4

5. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG WITH 3296
THE FAMILY?

(Circle one.)

- VERY WELL 1
QUITE WELL 2
PRETTY WELL 3
NOT TOO WELL 4
NOT WELL AT ALL 5

6. DURING THE PAST 3 MONTHS, HOW WORRIED HAVE YOU BEEN ABOUT HOW WELL THIS CHILD GETS ALONG WITH THE FAMILY? 3297

(Circle one.)

A LOT 1
SOMEWHAT 2
A LITTLE 3
NOT AT ALL 4

7. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD DONE IN SCHOOL? 3301
(CONSIDER NURSERY SCHOOL OR KINDERGARTEN AS "SCHOOL.")

(Circle one.)

NOT IN SCHOOL 9 — (GO to q. 10, next page)
EXCELLENT STUDENT 1
GOOD STUDENT 2
AVERAGE STUDENT 3 } — (GO to q. 8)
BELOW AVERAGE STUDENT 4
POOR STUDENT 5

8. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG IN SCHOOL WITH TEACHER AND CLASSMATES? 3302

(Circle one.)

VERY WELL 1
QUITE WELL 2
PRETTY WELL 3
NOT TOO WELL 4
NOT WELL AT ALL 5

9. DURING THE LAST 3 MONTHS IN SCHOOL, HOW WORRIED HAVE YOU BEEN ABOUT HOW WELL THIS CHILD GETS ALONG IN SCHOOL? 3303

(Circle one.)

A LOT 1
SOMEWHAT 2
A LITTLE 3
NOT AT ALL 4

10. IS THIS CHILD ALLERGIC TO PENICILLIN OR AMPICILLIN? 3304
("PENICILLIN" PRONOUNCED "PEN-IH-SIL-IN")
("AMPICILLIN" PRONOUNCED "AMP-IH-SIL-IN")
(Circle one.)
YES 1
NO 2
DON'T KNOW 8
11. HOW TALL IS THIS CHILD WITHOUT SHOES ON? 3305
_____ FEET _____ INCHES 3306
12. HOW MUCH DOES THIS CHILD WEIGH WITHOUT HEAVY CLOTHING? 3307
_____ POUNDS

FEVER CONVULSIONS, EPILEPSY, CONVULSIONS
--

13. HAS A DOCTOR EVER SAID THAT THIS CHILD HAS FEVER CONVULSIONS, EPILEPSY, 3321
OR CONVULSIONS?
("CONVULSIONS" PRONOUNCED "KUN-VULL-SHUNS")
("EPILEPSY" PRONOUNCED "EP-IH-LEP-SEE")
NO 2 — (GO to q. 21, next page)
YES 1 — (GO to q. 14)
14. During the past 12 months, has a doctor prescribed any medicines for the 3322
fever convulsions, epilepsy, or convulsions?
Yes 1
No 2
15. Does this child currently take any medicines for fever convulsions, epilepsy. 3323
or convulsions, whether or not a doctor prescribed them?
Yes 1
No 2
16. Is this child currently under a doctor's care or supervision for fever convul- 3324
sions, epilepsy, or convulsions?
Yes 1
No 2

17. During the past 3 months, how much has this child's fever convulsions, epilepsy, or convulsions worried or concerned you? 3325

(Circle one.)

A lot 1
Somewhat 2
A little 3
Not at all 4

18. During the past 3 months, how many attacks of fever convulsions, epilepsy, or convulsions has this child had? (IF NO ATTACKS, WRITE IN "0".) 3326

_____ Attacks

19. During the past 3 months, how often have fever convulsions, epilepsy, or convulsions kept this child from doing the kinds of activities other children the same age do? 3327

(Circle one.)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

20. During the past 30 days, how many days have fever convulsions, epilepsy, or convulsions kept this child in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3334

_____ Days in bed

ASTHMA

21. HAS A DOCTOR EVER SAID THAT THIS CHILD HAS ASTHMA? 3335

NO 2 — (GO to q. 31, page 8)
YES 1 — (GO to q. 22)

22. How many attacks of asthma has this child had in the last 12 months? (IF NO ATTACKS, WRITE IN "0".) 3336

_____ Attacks

23. Has a doctor told you that this child has now outgrown asthma? (No longer has it.) 3337

Yes 1
No 2

24. During the past 12 months, has a doctor prescribed any medicines for this child's asthma? 3341

Yes 1

No 2

25. Does this child currently take any medicines for asthma? 3342

Yes 1

No 2

26. Is this child currently under a doctor's care or supervision for asthma? 3343

Yes 1

No 2

27. During the past 12 months, how much pain or distress has asthma caused this child? 3344

(Circle one.)

A lot 1

Some 2

A little 3

None at all 4

28. During the past 12 months, how much has this child's asthma worried or concerned you? 3345

(Circle one.)

A lot 1

Somewhat 2

A little 3

Not at all 4

29. During the past 12 months, how often has asthma kept this child from doing the kinds of activities other children the same age do? 3346

(Circle one.)

All of the time 1

Most of the time 2

Some of the time 3

A little of the time 4

None of the time 5

30. During the past 12 months, how many days has asthma kept this child in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3347

_____ Days in bed

FUTURE HEALTH EXPENSES

31. HOW MUCH DO YOU THINK THIS CHILD'S HEALTH CARE WILL COST DURING THE NEXT 12 MONTHS? 3361
3362

INCLUDE EVERY EXPENSE FOR DOCTORS, DENTISTS, NURSES, CLINICS, PSYCHIATRISTS, MEDICAL TESTS, DRUGS, HOSPITALS, ETC.

INCLUDE EXPENSES YOU WILL PAY AND EXPENSES WHICH WILL BE PAID BY INSURANCE, MEDICAID, MEDICARE, AND OTHER PEOPLE.

(Circle one.)

- LESS THAN \$100 1
BETWEEN \$100-\$500 2
(ABOUT HOW MUCH? \$_____)
BETWEEN \$500-\$1000 3
(ABOUT HOW MUCH? \$_____)
OVER \$1000 4
(ABOUT HOW MUCH? \$_____)

MEDICAL APPLIANCES

THE NEXT QUESTIONS ARE ABOUT EYEGLASSES, CONTACT LENSES, HEARING AIDS, AND BRACES FOR TEETH.

32. DOES THIS CHILD WEAR EYEGLASSES OR CONTACT LENSES? 3363

NO 2 — (GO to q. 36, next page)
YES 1 — (GO to q. 33)

33. When was the last time this child got a new pair of eyeglasses or contact lenses? 3364
3365

_____ Month _____ Year

34. Did this child wear eyeglasses or contact lenses before that time? 3366

No 2 — (GO to q. 36)
Yes 1 — (GO to q. 35)

35. When was the last time this child got a new pair of eyeglasses or contact lenses before that time? 3367
3381

_____ Month _____ Year

36. DOES THIS CHILD WEAR A HEARING AID? 3382
NO 2 — (GO to q. 40)
YES 1 — (GO to q. 37)
37. When was the last time this child got a new hearing aid? 3383
Month Year 3384
38. Did this child wear a hearing aid before that time? 3385
No 2 — (GO to q. 40)
Yes 1 — (GO to q. 39)
39. When was the last time this child got a new hearing aid before that time? 3386
Month Year 3387
40. DOES THIS CHILD WEAR BRACES FOR TEETH? 3541
NO 2 — (GO to q. 44, next page)
YES 1 — (GO to q. 41)
41. When was the last time this child got new braces for teeth? 3542
Month Year 3543
42. Did this child wear braces for teeth before that time? 3544
No 2 — (GO to q. 44, next page)
Yes 1 — (GO to q. 43)
43. When was the last time this child got new braces for teeth before that time? 3545
Month Year 3546

GENERAL HEALTH

THE NEXT FEW QUESTIONS ARE ABOUT THIS CHILD'S OVERALL HEALTH.

44. IS THIS CHILD UNABLE TO GO TO SCHOOL BECAUSE OF HEALTH? (CONSIDER NURSERY SCHOOL OR KINDERGARTEN AS "SCHOOL".) 3547

(Circle one.)

DON'T KNOW 8 } — (GO to q. 46)
NO 2 }
YES 1 — (GO to q. 45)

45. How long has this child been unable to go to school because of health? 3371

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

46. IS THIS CHILD LIMITED IN THE AMOUNT OR KIND OF SCHOOLWORK (S)HE CAN DO BECAUSE OF HEALTH? 3372

(Circle one.)

DON'T KNOW 8 } — (GO to q. 48)
NO 2 }
YES 1 — (GO to q. 47)

47. How long has this child been limited in schoolwork? 3373

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

48. IS THIS CHILD LIMITED IN THE AMOUNT OR KIND OF OTHER ACTIVITIES (SUCH AS PLAYING, HELPING AROUND THE HOUSE, HOBBIES) BECAUSE OF HEALTH? 3374

NO 2 — (GO to q. 50, next page)
YES 1 — (GO to q. 49)

49. How long has this child been limited in other activities? 3375

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

50. DOES THIS CHILD NEED HELP EATING, DRESSING, BATHING, OR USING THE TOILET BECAUSE OF HEALTH? 3376

NO 2 — (GO to q. 52)

YES 1 — (GO to q. 51)

51. How long has this child needed such help because of health? 3377

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

52. DOES THIS CHILD HAVE TROUBLE WALKING AS FAR AND AS FAST AS IS USUAL FOR PERSONS OF THE SAME AGE? 3391

NO 2 — (GO to q. 54)

YES 1 — (GO to q. 53)

53. How long has this child had trouble walking? 3392

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

54. DOES THIS CHILD HAVE TROUBLE USING PUBLIC TRANSPORTATION BECAUSE OF HEALTH? 3393

NO 2 — (GO to q. 56)

YES 1 — (GO to q. 55)

55. How long has this child had trouble using public transportation because of health? 3394

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

56. DOES THIS CHILD HAVE TROUBLE LIFTING, STOOPING, USING CHAIRS OR INCLINES (WALKING UP RAMPS OR HILLS)? 3395

NO 2 — (GO to q. 58, next page)

YES 1 — (GO to q. 57, next page)

57. How long has this child had such trouble? 3396

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

58. DOES THIS CHILD USE CANES, CRUTCHES, ARTIFICIAL LIMBS OR BRACES TO WALK? 3397

NO 2 — (GO to q. 60)

YES 1 — (GO to q. 59)

59. How long has this child used canes, crutches, artificial limbs, or braces? 3551

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

60. DOES THIS CHILD NEED HELP TO GO OUTSIDE BECAUSE OF HEALTH? 3552

NO 2 — (GO to q. 62)

YES 1 — (GO to q. 61)

61. How long has this child needed help to go outside? 3553

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

62. IS THIS CHILD IN BED OR CHAIR FOR MOST OR ALL OF THE DAY BECAUSE OF HEALTH? 3554

NO 2 — (GO to q. 64)

YES 1 — (GO to q. 63)

63. How long has this child been in bed or chair because of health? 3555

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

64. IS THIS CHILD IN A HOSPITAL OR OTHER MEDICAL FACILITY BECAUSE OF HEALTH? 3556

NO 2 — (GO to q. 66, next page)

YES 1 — (GO to q. 65, next page)

65. How long has this child been in a hospital or medical facility?

3557

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

MEDICINES TAKEN

THESE LAST FEW QUESTIONS ARE ABOUT THE PRESCRIPTION MEDICINES THIS CHILD HAS TAKEN IN THE LAST 48 HOURS (2 DAYS). IT IS VERY IMPORTANT THAT YOU ANSWER ONLY FOR THAT TIME AND THAT YOU ANSWER ONLY ABOUT PRESCRIPTION MEDICINES THIS CHILD ACTUALLY TOOK.

66. DID THIS CHILD TAKE ANY PRESCRIPTION MEDICINES IN THE LAST 48 HOURS?

3559

NO 2 — (GO to q. 68, page 15)

YES 1 — (GO to q. 67)

67. How many different prescription medicines did this child take in the last 48 hours? 3560

_____ Prescription medicines

For each different type of medicine, copy the requested information from the label on the bottle. Fill out one box for each type of medicine this child took.

IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL".

	3561
A. Name of medicine: _____	3562
Instructions: How often does the label instruct this child to take the medicine? _____	3563
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3564
Prescription number: _____	3565
Name of pharmacy (drug store): _____ <input type="text" value="NC"/>	3566
Phone number of pharmacy: _____ <input type="text" value="NC"/>	
Dosage (strength of medicine): _____ <input type="text" value="NC"/>	3567
	3568

	3569
	3570
B. Name of medicine: _____	3571
Instructions: How often does the label instruct this child to take the medicine? _____	3572
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3573
	3574
Prescription number: _____ <input type="text" value="NC"/>	
Name of pharmacy (drug store): _____ <input type="text" value="NC"/>	
Phone number of pharmacy: _____ <input type="text" value="NC"/>	
Dosage (strength of medicine): _____	3575
	3576

	3577
	3578
	3579
C. Name of medicine: _____	
Instructions: How often does the label instruct this child to take the medicine? _____	3580
How much should this child take each time? (Be sure to say whether it is number of pills, number of teaspoons, or what.) _____	3581
	3582
Prescription number: _____ <input type="text" value="NC"/>	
Name of pharmacy (drug store): _____ <input type="text" value="NC"/>	
Phone number of pharmacy: _____ <input type="text" value="NC"/>	
Dosage (strength of medicine): _____	3583
	3650

68. NAME OF PERSON WHO FILLED OUT THIS FORM: _____ 3651

69. IF THE PERSON WHO WAS ASKED TO FILL THE FORM OUT DID NOT FILL IT OUT ALONE, CIRCLE REASONS FOR HELP. 3652

PERSON WHO WAS ASKED TO FILL FORM OUT:	CAN'T READ WELL ENOUGH	1
	HAS EYESIGHT PROBLEM	2
	HAS ARTHRITIS OR OTHER WRITING LIMITATION	3
	DOESN'T SPEAK ENGLISH WELL ENOUGH	4
	IS AWAY FROM HOME AND WILL NOT RETURN BEFORE FORM IS DUE	5
	OTHER: _____ _____	6

70. DATE FORM WAS COMPLETED: _____ / _____ / _____
Month Day Year

3653
3654
3655

THIS IS THE END OF THE MEDICAL HISTORY FOR CHILDREN 5-13 YEARS OLD. THANK YOU VERY MUCH. IF YOU HAVE ANY COMMENTS, PLEASE WRITE THEM BELOW.

[illegible]

4568

DO NOT WRITE ON THIS PAGE

DEI	REASON	DEI	REASON	DEI	REASON	DEI	REASON
4569	4594	4619	4644	4669	4694	4719	4744
4570	4595	4620	4645	4670	4695	4720	4745
4571	4596	4621	4646	4671	4696	4721	4746
4572	4597	4622	4647	4672	4697	4722	4747
4573	4598	4623	4648	4673	4698	4723	4748
4574	4599	4624	4649	4674	4699	4724	4749
4575	4600	4625	4650	4675	4700	4725	4750
4576	4601	4626	4651	4676	4701	4726	4751
4577	4602	4627	4652	4677	4702	4727	4752
4578	4603	4628	4653	4678	4703	4728	4753
4579	4604	4629	4654	4679	4704	4729	4754
4580	4605	4630	4655	4680	4705	4730	4755
4581	4606	4631	4656	4681	4706	4731	4756
4582	4607	4632	4657	4682	4707	4732	4757
4583	4608	4633	4658	4683	4708	4733	4758
4584	4609	4634	4659	4684	4709	4734	4759
4585	4610	4635	4660	4685	4710	4735	4760
4586	4611	4636	4661	4686	4711	4736	4761
4587	4612	4637	4662	4687	4712	4737	4762
4588	4613	4638	4663	4688	4713	4738	4763
4589	4614	4639	4664	4689	4714	4739	4764
4590	4615	4640	4665	4690	4715	4740	4765
4591	4616	4641	4666	4691	4716	4741	4766
4592	4617	4642	4667	4692	4717	4742	4767
4593	4618	4643	4668	4693	4718	4743	4768

MEDICAL HISTORY QUESTIONNAIRE FORM A (PART 1)
DAYTON ENROLLMENT, AGES 14 AND OLDER

HI#46
UOSI#173
OMB#85R-0238
Expires: 12/80

Health Insurance Study
Dayton, Ohio

MEDICAL HISTORY
FORM A, PART 1
Ages 14-74

TO BE FILLED OUT ABOUT: _____
(The above person should fill out this form, if at all possible. If this person is unable to complete the form, someone else may help.)

A NOTE ABOUT THE FORM

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, feel free to call the following person, who will be happy to help you.

Mr. Tom Harper
223-8765

If you cannot fill the form out, and no one in your family can help you, call Mr. Harper and he will send an interviewer to help you.

Instructions on how to fill out the form are on the next page.

INSTRUCTIONS

1. Read each question carefully.
2. Circle the number of the answer which most closely fits you. (See example below.)
3. Follow any red instructions which tell you to go to another question or page.
4. If there are no red instructions go to the very next question.
5. Look at the example below, and begin on the next page.

EXAMPLE - HOW TO FILL OUT FORM.

1. HAVE YOU EVER HAD A COLD?
NO 2 (GO to q. 3)
YES 1 (GO to q. 2)

2. How long did your most recent cold last?
..... Days

3. HAVE YOU EVER TAKEN ASPIRIN?
YES 1 (GO to q. 5, next page)
NO 2 (GO to q. 4)

4. Why haven't you ever taken aspirin?
(Circle one)

Allergic 1
No reason, never
needed it 2
Don't believe in taking
medicines 3
Other reason 4
What?

*Circle the
number of the
answer which
best describes
you.*

*A red in-
struction next
to your answer
tells you
which question
to go to next.*

*If there is no
red instruction
next to your
answer go to
the very next
question.*

BEGIN ON THE NEXT PAGE

IF YOU HAVE ANY QUESTIONS OR
PROBLEMS, CALL TOM HARPER
AT 223-8765

Revised 8/19/74

FORM A, AGES 14 AND OLDER

HEIGHT AND EATING HABITS

1. HOW TALL ARE YOU WITHOUT SHOES ON? 3656
_____ FEET _____ INCHES 3657

2. HOW OFTEN DO YOU EAT BREAKFAST? 3658
(Circle one.)
ALMOST EVERY DAY 1
SOMETIMES 2
RARELY OR NEVER 3

3. HOW OFTEN DO YOU EAT IN BETWEEN YOUR REGULAR MEALS? 3659
(Circle one.)
ALMOST EVERY DAY 1
SOMETIMES 2
RARELY OR NEVER 3

4. IS YOUR APPETITE GOOD? 3660
YES 1
NO 2

GENERAL HEALTH

5. DURING THE PAST 3 MONTHS, HOW OFTEN HAS YOUR HEALTH KEPT YOU FROM DOING THE KINDS OF ACTIVITIES OTHER PEOPLE YOUR AGE DO? 3661

(Circle one.)

ALL OF THE TIME 1
MOST OF THE TIME 2
SOME OF THE TIME 3
A LITTLE OF THE TIME 4
NONE OF THE TIME 5

6. DURING THE PAST 30 DAYS, HOW MANY DAYS HAS YOUR HEALTH KEPT YOU IN BED ALL OR MOST OF THE DAY? (IF NO DAYS IN BED, WRITE IN "0".) 3662

_____ DAYS IN BED

7. DURING THE PAST 3 MONTHS, HOW MUCH PAIN HAVE YOU HAD? 3663

(Circle one.)

A LOT 1
SOME 2
A LITTLE 3
NONE 4

8. DURING THE PAST 3 MONTHS, HOW MUCH HAS YOUR HEALTH WORRIED OR CONCERNED YOU? 3664

(Circle one.)

A LOT 1
SOMEWHAT 2
A LITTLE 3
NOT AT ALL 4

9. DOES YOUR HEALTH KEEP YOU FROM WORKING AT A JOB, DOING WORK AROUND THE HOUSE, OR GOING TO SCHOOL? 3665

NO 2 — (GO to q. 11, next page)

YES 1 — (GO to q. 10)

10. How long has your health kept you from working at a job, doing work around the house, or going to school? 3666

(Circle one.)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

11. ARE YOU UNABLE TO DO CERTAIN KINDS OF JOBS, HOUSEWORK, OR SCHOOL- 3667
WORK BECAUSE OF YOUR HEALTH?

NO 2 — (GO to q. 13)

YES 1 — (GO to q. 12)

12. How long have you been unable to do certain kinds of jobs, housework, or 3668
schoolwork because of your health?

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

13. DOES YOUR HEALTH LIMIT THE AMOUNT OF WORK, HOUSEWORK, OR SCHOOL- 3669
WORK YOU CAN DO?

NO 2 — (GO to q. 15)

YES 1 — (GO to q. 14)

14. How long has your health limited the amount of work, housework, or school- 3670
work you can do?

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

15. DOES YOUR HEALTH LIMIT THE KINDS OR AMOUNTS OF OTHER ACTIVITIES YOU 3671
CAN DO (SUCH AS SPORTS, HOBBIES, READING, WATCHING TV, AND SO FORTH)?

NO 2 — (GO to q. 17)

YES 1 — (GO to q. 16)

16. How long has your health limited the kinds or amounts of other activities you 3672
can do?

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

17. DO YOU NEED HELP WITH EATING, DRESSING, BATHING, OR USING THE TOILET? 3673

NO 2 — (GO to q. 19, next page)

YES 1 — (GO to q. 18, next page)

18. How long have you needed help with eating, dressing, bathing, or using the 3674
toilet?

(Circle one.)

Less than 1 month 1

1 - 3 months 2

More than 3 months 3

19. DO YOU HAVE TROUBLE WALKING? 3675
NO 2 — (GO to q. 21)
YES 1 — (GO to q. 20)
20. How long have you had trouble walking? 3676
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3
21. DOES YOUR HEALTH PREVENT YOU FROM DRIVING OR USING PUBLIC TRANSPORTATION? 3677
NO 2 — (GO to q. 23)
YES 1 — (GO to q. 22)
22. How long has your health prevented driving or using public transportation? 3678
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3
23. DO YOU HAVE TROUBLE WALKING AS FAR AND AS FAST AS IS USUAL FOR PERSONS YOUR AGE? 3679
NO 2 — (GO to q. 25)
YES 1 — (GO to q. 24)
24. How long have you had trouble walking as far and as fast as persons your age? 3680
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3
25. DO YOU HAVE TROUBLE LIFTING, STOOPING, USING CHAIRS, OR INCLINES (WALKING UP RAMPS OR HILLS)? 3681
NO 2 — (GO to q. 27)
YES 1 — (GO to q. 26)
26. How long have you had trouble lifting, stooping, using chairs or inclines? 3682
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3

27. DO YOU USE CANES, CRUTCHES, ARTIFICIAL LIMBS, OR BRACES TO WALK? 3683
NO 2 — (GO to q. 29)
YES 1 — (GO to q. 28)

28. How long have you used canes, crutches, or artificial limbs to walk? 3684
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3

29. DO YOU NEED HELP TO GO OUTSIDE BECAUSE OF HEALTH? 3685
NO 2 — (GO to q. 31)
YES 1 — (GO to q. 30)

30. How long have you needed help to go outside because of health? 3686
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3

31. ARE YOU IN BED OR A CHAIR FOR MOST OR ALL OF THE DAY BECAUSE OF HEALTH? 3687
NO 2 — (GO to q. 33)
YES 1 — (GO to q. 32)

32. How long have you been in bed or a chair most or all of the day because of health? 3688
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3

33. DO YOU HAVE TROUBLE CLIMBING A FLIGHT OF STAIRS? 3689
NO 2 — (GO to q. 35, next page)
YES 1 — (GO to q. 34)

34. How long have you had trouble climbing a flight of stairs? 3690
(Circle one.)
Less than 1 month 1
1 - 3 months 2
More than 3 months 3

35. ARE YOU IN A HOSPITAL OR OTHER MEDICAL FACILITY BECAUSE OF HEALTH? 3691

NO 2 — (GO to q. 37)

YES 1 — (GO to q. 36)

36. How long have you been in a hospital or other medical facility because of health? 3692

(Circle one.)

Less than one month 1

1 - 3 months 2

More than 3 months 3

DIET

37. ARE YOU ON A SPECIAL DIET? 3693

NO 2 — (GO to q. 42, page 8)

YES 1 — (GO to q. 38)

38. What is the diet for? Answer "Yes" or "No" for each reason.

(Circle one for each.)

To lose weight	Yes 1	3694
	No 2	

Diabetes	Yes 1	3695
	No 2	

Kidney failure	Yes 1	3696
	No 2	

Ulcers	Yes 1	3697
	No 2	

Allergies	Yes 1	3698
	No 2	

High cholesterol	Yes 1	3699
	No 2	

Heart trouble or high blood pressure	Yes 1	3700
	No 2	

Pregnancy (IF YOU ARE MALE	Yes 1	3701
CIRCLE 9 FOR "Male - Does	No 2	
not apply".)	Male - Does	
	not apply .. 9	

Other	Yes 1	3702
(What?.....)	No 2	

39. What kind of a diet is it? Answer "Yes" or "No" for each kind.

(Circle one for each.)

Low calorie	Yes 1	3703
	No 2	

Low fat or cholesterol	Yes 1	3704
	No 2	

Low protein	Yes 1	3705
	No 2	

Low salt	Yes 1	3706
	No 2	

Low carbohydrate	Yes 1	3707
	No 2	

Bland diet	Yes 1	3708
	No 2	

Other	Yes 1	3709
(What? _____)	No 2	

NC

40. Was this diet ordered by a doctor, nurse, clinic, or dietician? 3710

Yes	1
No	2

41. In general, do you follow your diet? 3711

(Circle one.)

All of the time	1
Most of the time	2
Some of the time	3
A little of the time	4
None of the time	5

WEIGHT

42. HOW MUCH DO YOU WEIGH WITHOUT HEAVY CLOTHES? 3712
_____ POUNDS
43. WHAT IS THE MOST YOU HAVE EVER WEIGHED, NOT COUNTING TIMES WHEN YOU WERE PREGNANT? 3713
_____ POUNDS
44. DO YOU THINK YOU WEIGH TOO MUCH, OR HAS A DOCTOR OR NURSE TOLD YOU THAT YOU NOW WEIGH TOO MUCH? 3714
NO 2 — (GO to q. 52, page 9)
YES 1 — (GO to q. 45)
45. Are you going to Weight-Watchers, a reducing salon or exercise gym or health spa to lose weight? 3715
Yes 1
No 2
46. Are you taking reducing pills which have been prescribed by a doctor? 3716
Yes 1
No 2
47. Are you currently on a diet to lose weight? 3717
Yes 1
No 2
48. Are you currently under the care or supervision of a doctor to lose weight? 3718
Yes 1
No 2
49. Are you doing any special exercises to lose weight? 3719
Yes 1
No 2
50. During the past 3 months, how much has your weight worried or concerned you? 3720
(Circle one.)
A lot 1
Somewhat 2
A little 3
Not at all 4

51. During the past 3 months, how often has your weight kept you from doing the kinds of activities other people your age do? 3721

(Circle one.)

- All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

ALLERGY

52. ARE YOU ALLERGIC TO PENICILLIN OR AMPICILLIN? 3722

("Penicillin" pronounced "Pen-ih-SIL-in")

("Ampicillin" pronounced "Am-pih-SIL-in")

(Circle one.)

- YES 1
NO 2
DON'T KNOW 8

HEART MEDICINES

53. HAVE YOU EVER TAKEN ANY OF THESE HEART MEDICINES: DIGITALIS, DIGITALIS LEAF, DIGITOXIN, OR DIGOXIN? 3723

("Digitalis" pronounced "Dij-ih-TAL-iss")

("Digitoxin" pronounced "Dij-ih-TOX-in")

("Digoxin" pronounced "Dij-OX-in")

NO 2 — (GO to q. 55, next page)

YES 1 — (GO to q. 54)

54. Are you currently taking any of these heart medicines: digitalis, digitalis leaf, digitoxin, or digoxin? 3724

Yes 1

No 2

JOINT PROBLEMS

55. DURING THE PAST 12 MONTHS HAVE YOU HAD PAIN, ACHING, SWELLING OR STIFFNESS IN YOUR JOINTS? FOR EXAMPLE, YOUR FINGERS, HIP, KNEE? (DO NOT COUNT PROBLEMS DUE TO INJURY.) 3725

NO 2 — (GO to q. 66, page 12)

YES 1 — (GO to q. 56)

56. Have you had any of these problems in the last 12 months? Answers "Yes" or "No" for each problem. 3726

a. Pain or aching in any of your joints on most days for at least one month? Yes 1 3726
No 2

b. Swelling of a joint with pain present when the joint was touched on most days for at least one month? Yes 1 3727
No 2

c. Stiffness in the joints and muscles when first getting out of the bed in the morning on most mornings for at least one month? Yes 1 — (GO to part d below) 3728
No 2 — (GO to q. 57)

d. Stiffness in the joints and muscles when first getting out of bed in the morning which lasted for at least 15 minutes? Yes 1 3729
No 2

57. Can you do these things without the help of another person or a special device? Answer "Yes" or "No" for each thing.

(Circle one for each.)

Walk up and down stairs without help? Yes 1 3730
No 2

Get into and out of a car without help? Yes 1 3731
No 2

Bathe yourself without help? Yes 1 3732
No 2

Feed yourself without help? Yes 1 3733
No 2

Get into bed without help? Yes 1 3734
No 2

58. Has a doctor ever said you have rheumatism or arthritis? 3735
("Rheumatism" pronounced "ROO-muh-tiz-um")
("Arthritis" pronounced "Are-THRY-tis")
(Circle one.)
No 2
Yes 1
59. How many aspirins do you usually take for the problems with your joints or muscles? 3736
(Circle one.)
None 1
Less than 1 a day 2
1 - 3 a day 3
4 - 12 a day 4
13 or more a day 5
60. Has a doctor ever said that you have gout? 3737
No 2 — (GO to q. 62)
Yes 1 — (GO to q. 61)
61. Are you currently taking colchicine, allopurinol (zyloprim), or benemid for your gout or high uric acid level? 3738
("Colchicine" pronounced "KOLE-chis-seen")
("Allopurinol" pronounced "Al-low-PURE-in-all")
("Zyloprim" pronounced "ZY-low-prim")
("Benemid" pronounced "BEN-eh-mid")
Yes 1
No 2
62. During the past 3 months how much pain has the trouble with your joints caused you? 3739
(Circle one.)
A lot 1
Some 2
A little 3
None at all 4
63. During the past 3 months, how much has the trouble with your joints worried or concerned you? 3740
(Circle one.)
A lot 1
Somewhat 2
A little 3
Not at all 4

64. During the past 3 months, how often has the trouble with your joints kept you 3741
from doing the kinds of activities other people your age do?

(Circle one.)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

65. During the past 30 days, how many days has the trouble with your joints kept 3742
you in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".)

_____ Days in bed

SHORTNESS OF BREATH OR HEART FAILURE

66. DURING THE PAST 12 MONTHS, HAVE YOU EVER FELT SHORT OF BREATH OR HAS 3743
THE DOCTOR EVER TOLD YOU THAT YOU HAD HEART FAILURE?

NO 2 — (GO to q. 81, page 15)

YES 1 — (GO to q. 67)

67. In the past 3 months, did you ever wake up at night so short of breath that you 3744
had to sit on the side of the bed or get up for relief?

Yes 1
No 2

68. In the past 3 months, have you been troubled by shortness of breath when 3745
you hurried or walked uphill?

(Circle one.)

Yes 1
No 2
Do not hurry or walk
uphill 9

69. In the past 3 months, have you been short of breath when you walked with 3746
people of your own age on level ground?

(Circle one.)

Yes 1
No 2
Do not walk on level
ground 9

70. In the past 3 months, have you had to stop because of shortness of breath when you walked at your own pace on level ground? 3747

(Circle one.)

Yes 1
No 2
Do not walk on level
ground 9

71. In the past 3 months, have you been bothered by shortness of breath when you bathed or dressed yourself? 3748

Yes 1
No 2

72. Has a doctor ever said that you had a weak heart or heart failure? 3749

Yes 1
No 2

73. Thinking of the past 3 months, did your ankles ever swell during the day enough to make your shoes feel tight? 3750

No 2 — (GO to q. 75)
Yes 1 — (GO to q. 74)

74. When this happened, were they usually still swollen the next morning? 3751

Yes 1
No 2

75. In the last 3 months, did you sleep on more than one pillow because of a problem with shortness of breath? 3752

Yes 1
No 2

76. Do you currently take diuretic (or fluid) pills which have been prescribed by a doctor? 3753

("Diuretic" pronounced "Die-yuh-RET-ik")

Yes 1
No 2

77. During the past 3 months, how much pain has your shortness of breath or heart failure caused you? 3754

(Circle one.)

A lot 1
Some 2
A little 3
None at all 4

78. During the past 3 months, how much has your shortness of breath or heart failure worried or concerned you? 3755

(Circle one.)

- A lot 1
Somewhat 2
A little 3
Not at all 4

79. During the past 3 months, how often has your shortness of breath or heart failure kept you from doing the kinds of activities other people your age do? 3756

(Circle one.)

- All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

80. During the past 30 days, how many days has your shortness of breath or heart failure kept you in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3757

_____ Days in bed

CHEST PAIN, DISCOMFORT, HEAVINESS, OR PRESSURE

81. HAVE YOU HAD PAIN, DISCOMFORT, HEAVINESS OR PRESSURE IN YOUR CHEST IN THE PAST 12 MONTHS? 3758

NO 2 — (GO to q. 96, page 18)

YES 1 — (GO to q. 82)

82. Do you get this feeling in your chest when you walk uphill or hurry? 3759

(Circle one.)

No 2 — (GO to q. 87, next page)

Yes 1

Do not walk uphill or }

hurry 9 } — (GO to q. 83)

83. Do you get this feeling in your chest when you walk at an ordinary pace on the level? 3760

(Circle one.)

Yes 1

No 2

Do not walk on level 9

84. What do you usually do when you get this feeling in your chest while walking? 3761

(Circle one.)

Stop 1

Slow down 2

Continue at same pace 3

85. If you stand still, what happens to this feeling in your chest? 3762

(Circle one.)

Goes away in less than 10 minutes 1

Goes away in 10 to 30 minutes 2

Lasts over 30 minutes 3

Don't stand still 9

Don't know 8

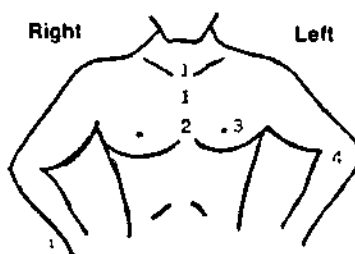
86. If you get this feeling in your chest while walking, do you usually place a nitroglycerine pill (small white pill) under your tongue?
("Nitroglycerine" pronounced "Ny-tro-GLISS-er-in")

3763

(Circle one.)

Take pill - no relief of pain in
10 minutes 1
Take pill - some relief of pain in
10 minutes 2
Take pill - relief of pain within
10 minutes 3
Do not take pill 4

87. Where do you get this pain?



(Circle one for each.)

Upper or middle chest (1 on picture)	Yes 1	3764
	No 2	
Lower chest (2 on picture)	Yes 1	3765
	No 2	
Left chest (3 on picture)	Yes 1	3766
	No 2	
Left arm (4 on picture)	Yes 1	3767
	No 2	
Somewhere else	Yes 1	3768
	No 2	

88. Are you currently under a doctor's care or supervision for this chest pain?

3769

Yes 1
No 2

89. Has a doctor ever said you had a heart attack?

3770

Yes 1
No 2

90. Has a doctor ever said that you have angina? 3771
("Angina" pronounced "An-JI-na" or "AN-ji-na")
(Circle one.)
Yes 1
No 2
Don't know 8
91. In the last 12 months, did you take a nitroglycerine pill (small white pill) 3772
under your tongue for the chest pain?
("Nitroglycerine" pronounced "Ny-tro-GLISS-er-in")
(Circle one.)
Yes, and it helped 1
Yes, but it did not help 2
No, I never took a pill
under my tongue 3
92. During the past 3 months, how much pain has your chest pain or heart trouble 3773
caused you?
(Circle one.)
A lot 1
Some 2
A little 3
None at all 4
93. During the past 3 months, how much has your chest pain or heart trouble 3774
worried or concerned you?
(Circle one.)
A lot 1
Somewhat 2
A little 3
Not at all 4
94. During the past 3 months, how often has your chest pain or heart trouble kept 3775
you from doing the kinds of activities other people your age do?
(Circle one.)
All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5
95. During the past 30 days, how many days has your chest pain or heart trouble 3776
kept you in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".)
_____ Days in bed

BRONCHITIS, EMPHYSEMA, PHLEGM

96. HAS A DOCTOR EVER TOLD YOU THAT YOU HAD BRONCHITIS OR EMPHYSEMA? 3777

("Bronchitis" pronounced "Bron-KY-tis")

("Emphysema" pronounced "Em-fih-SEE-ma")

NO 2 — (GO to q. 99)

YES 1 — (GO to q. 97)

97. Are you currently under a doctor's care or supervision for the bronchitis or 3778
emphysema?

Yes 1

No 2

98. During the past 12 months, have you had any phlegm (thick spit) from your 3779
chest first thing in the morning?

("Phlegm" pronounced "Flem")

Yes 1 — (GO to q. 104, next page)

No 2 — (GO to q. 112, page 21)

99. DURING THE PAST 12 MONTHS, HAVE YOU HAD ANY PHLEGM (THICK SPIT) FROM 3780
YOUR CHEST FIRST THING IN THE MORNING?

NO 2 — (GO to q. 114, page 21)

YES 1 — (GO to q. 100)

100. When do you have this phlegm? (ANSWER YES OR NO FOR EACH TIME.)

(Circle one for each.)

Winter? Yes 1 3781

No 2

Summer? Yes 1 3782

No 2

Other times? Yes 1 3783

No 2

101. At what time of year do you bring up the most phlegm? 3784

(Circle one.)

Winter 1

Summer 2

No difference between

winter and summer 3

102. Usually, what color is the phlegm? 3785
(Circle one.)
Green 1
Yellow 2
Clear 3
Blood-streaked 4
103. Do you bring up phlegm at other times besides morning? 3786
(Circle one.)
No - morning only 1
Yes - during the day 2
Yes - at night 3
Yes - both during the day
and at night 4
104. Do you bring up phlegm on most days for at least 3 months of the year? 3787
Yes 1
No 2
105. Are you currently bringing up phlegm? 3788
Yes 1
No 2
106. Are you currently under a doctor's care or supervision for this problem? 3789
Yes 1 — (GO to q. 108, next page)
No 2 — (GO to q. 107)
107. Have you ever seen a doctor about the phlegm? 3790
No 2 — (GO to q. 109, next page)
Yes 1 — (GO to q. 108)

108. In the last 12 months, did a doctor prescribe any of these treatments for your bronchitis, phlegm, or emphysema? **CIRCLE YES OR NO FOR EACH.**

(Circle one for each.)

Do breathing exercises or postural drainage	Yes 1	3791
	No 2	
Use a breathing machine	Yes 1	3792
	No 2	
Avoid or decrease smoking	Yes 1	3793
	No 2	
Get regular checkups	Yes 1	3794
	No 2	
Get lots of rest	Yes 1	3795
	No 2	
Decrease (slow down) activity	Yes 1	3796
	No 2	

109. Whether or not a doctor prescribed them, do you do any of these for your bronchitis, phlegm, or emphysema? **CIRCLE YES OR NO FOR EACH.**

(Circle one for each.)

Do breathing exercises or postural drainage?	Yes 1	3797
	No 2	
Use a breathing machine?	Yes 1	3798
	No 2	
Avoid or decrease smoking?	Yes 1	3799
	No 2	
Get regular checkups?	Yes 1	3800
	No 2	
Decrease (slow down) activity	Yes 1	3801
	No 2	

116. During how many years have you smoked regularly? 3808

_____ Years

117. During those years that you smoked regularly, on the average, how many 3809
packs a day did you smoke?

(Circle one.)

Less than 3/4 pack
a day 1
About 1 pack a day 3
About 2 packs a day 3
About 3 or more packs
a day 4

118. Do you smoke cigarettes now? 3810

Yes 1 — (GO to q. 120)

No 2 — (GO to q. 119)

119. How long has it been since you smoked fairly regularly? 3811

_____ Years _____ (GO to q. 121)

120. On the average, about how many packs of cigarettes a day do you currently 3812
smoke?

(Circle one.)

Less than 3/4 pack
a day 1
About 1 pack a day 2
About 2 packs a day 3
About 3 or more packs
a day 4

121. Has a doctor ever told you to stop smoking? 3813

Yes 1

No 2

DRINKING

122. HAVE YOU EVER HAD AT LEAST ONE DRINK OF BEER, WINE, OR LIQUOR? 3814

NO 2 — (GO to q. 143, page 28)

YES 1 — (GO to q. 123)

123. During the 12 months of your life when you were drinking the most, about 3815
now often did you drink?

(Circle one.)

Never 9 }
No more than 2 or 3 times }
a year 1 } — (GO to q. 143, page 28)

More than 3 but less than }
12 times a year 2 }
About 1 - 7 times }
a month 3 } — (GO to q. 124)
About 2 or 3 times }
a week 4 }
Just about every day 5 }
Every day 6 }

124. During the past 12 months, about how often did you drink? 3816

(Circle one.)

Never 9 }
No more than 2 or 3 times }
a year 1 } — (GO to q. 134, page 26)

More than 3 but less than 12 }
times a year 2 }
About 1 - 7 times a }
month 3 } — (GO to q. 125, next page)
About 2 or 3 times a }
week 4 }
Just about every day 5 }
Every day 6 }

125. How often do you currently drink beer?

3817

(Circle one.)

- | | | |
|------------------------------|---------|-------------------|
| Never drink beer | 9 | —— (GO to q. 127) |
| No more than 2 or 3 times | | |
| a year | 1 | |
| More than 3 but less than 12 | | |
| times a year | 2 | |
| About 1 - 7 times a | | |
| month | 3 | —— (GO to q. 126) |
| About 2 or 3 times a | | |
| week | 4 | |
| Just about every day | 5 | |
| Every day | 6 | |

126. When you drink beer, how much do you usually drink in 24 hours?

3818

(Circle one.)

- | | |
|------------------------------|---------|
| 6 quarts or more (18 cans or | |
| bottles or more) | 1 |
| 4 - 5 quarts (about 12 - 15 | |
| bottles or cans) | 2 |
| 2 - 3 quarts (about 6 - 9 | |
| bottles or cans) | 3 |
| 1 quart (about 3 bottles or | |
| cans) | 4 |
| 2 bottles or cans | 5 |
| 1 bottle or can (or less) | 6 |

127. How often do you currently drink wine?

3819

(Circle one.)

- | | | |
|------------------------------|---------|------------------------------|
| Never drink wine | 9 | —— (GO to q. 129, next page) |
| No more than 2 or 3 times | | |
| a year | 1 | |
| More than 3 but less than 12 | | |
| times a year | 2 | |
| About 1 - 7 times a | | |
| month | 3 | —— (GO to q. 128) |
| About 2 or 3 times a | | |
| a week | 4 | |
| Just about every day | 5 | |
| Every day | 6 | |

128. When you drink wine, how much do you usually drink in 24 hours?

3821

(Circle one.)

- 3 or more bottles 1
- 2 bottles 2
- 1 bottle (about 6 - 7 wine
glasses) 3
- 5 - 6 wine glasses (3 water
glasses) 4
- 3 - 4 wine glasses (2 water
glasses) 5
- 1 - 2 wine glasses (1 water
glass) 6

129. How often do you currently drink liquor?

3820

(Circle one.)

- Never drink liquor 9 — (GO to q. 131)
- No more than 2 or 3 times
a year 1
- More than 3 but less than
12 times a year 2
- About 1 - 7 times a
month 3 — (GO to q. 130)
- About 2 or 3 times a
week 4
- Just about every day 5
- Every day 6

130. When you drink liquor, how much do you usually have in 24 hours? (1 shot = 1 ounce)

3822

(Circle one.)

- More than 2 pints 1
- 2 pints (1 quart) 2
- One-fifth (about 1-1/2
pints) 3
- 1 pint (about 16
shots) 4
- 11 - 15 shots 5
- 7 - 10 shots 6
- 4 - 6 shots 7
- 1 - 3 shots 8

131. During the past 3 months, how much has your drinking worried or concerned you? 3823

(Circle one.)

A lot 1
Somewhat 2
A little 3
Not at all 4

132. During the past 3 months, how often has your drinking kept you from doing the kinds of activities other people your age do? 3824

(Circle one)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

133. During the past 30 days, how many days has your drinking kept you in bed all or most of the day? (IF NO DAYS IN BED, WRITE IN "0".) 3825

_____ Days in bed

134. Has a doctor ever told you to stop or cut down on your drinking? 3826

No 2 — (GO to q. 138, next page)
Yes 1 — (GO to q. 135)

135. Did the doctor tell you to stop or cut down on drinking because of cirrhosis of the liver or alcoholic liver disease? 3827

("Cirrhosis" pronounced "Seer-ROW-sis")

Yes 1
No 2

136. Did the doctor ever tell you to stop or cut down on drinking for D.T.'s (Delirium Tremens)? 3828

("Delirium Tremens" pronounced "Dih-LIR-ee-um - TREM-uns")

Yes 1
No 2

137. Did the doctor ever tell you to stop or cut down on drinking for safety when driving? 3829

Yes 1
No 2

138. Are you currently doing any of these things to cut down, stop, or keep from drinking? (ANSWER "YES" OR "NO" FOR EACH THING.)

(Circle one for each.)

Going to AA (Alcoholics Anonymous)	Yes 1	3830
	No 2	

Going to a counselor	Yes 1	3831
	No 2	

Talking to a social worker	Yes 1	3832
	No 2	

Talking to a doctor	Yes 1	3833
	No 2	

Seeing a psychologist or psychiatrist ("Psychologist" pronounced "Sy-KOL-ow-jist") ("Psychiatrist" pronounced "SY-KY-uh-trist")	Yes 1	3834
	No 2	

139. Have you ever stopped drinking completely? 3835

No	2	— (GO to q. 141)
Yes	1	— (GO to q. 140)

140. How long did you stop completely, the last time you stopped? 3836

(Circle one.)

Less than 2 weeks	1
2 weeks to less than 1 month	2
1 month to less than 3 months	3
3 months to less than 6 months	4
6 months to less than 12 months	5
1 year or more	6

141. Has a doctor ever said that you had cirrhosis of the liver? 3837
("Cirrhosis" pronounced "Seer-ROW-sis")

Yes	1
No	2

142. Have you ever been in a car accident (as a driver or walking) within an hour after drinking? 3838

(Circle one.)

Never 1
Once 2
Twice 3
3 times 4
More than 3 times 5

MEDICAL EXAM, IMMUNIZATION, EYE TEST

143. WHEN DID YOU MOST RECENTLY HAVE A GENERAL MEDICAL OR PHYSICAL EXAM WHEN YOU WERE NOT SICK OR PREGNANT? 3839

(Circle one.)

NEVER 1 — (GO to q. 145)
5 OR MORE YEARS AGO 2
MORE THAN 2 BUT LESS THAN 5 3 } (GO to q. 144)
1 TO 2 YEARS AGO 4
WITHIN THE PAST 12 MONTHS 5

144. Was this exam needed for work, school, camp, insurance or some other reason like that? 3840

Yes 1
No 2

145. WHEN DID YOU MOST RECENTLY HAVE AN IMMUNIZATION, VACCINATION, OR INJECTION TO PREVENT SICKNESS OR ILLNESS? 3841
("Immunization" pronounced "IM-u-ny-ZA-shun")
("Vaccination" pronounced "Vak-si-NAY-shun")

(Circle one.)

NEVER 1 — (GO to q. 147, next page)
5 MORE MORE YEARS AGO 2
MORE THAN 2 BUT LESS THAN 5 3 } (GO to q. 146, next page)
1 to 2 YEARS AGO 4
WITHIN THE PAST 12 MONTHS 5

146. Was this immunization, vaccination, or injection needed for work, school, camp, insurance, foreign travel, or some other reason like that? 3842

Yes 1

No 2

147. WHEN DID YOU MOST RECENTLY HAVE YOUR EYES TESTED FOR VISION? 3843

(Circle one.)

NEVER 1 — (GO to q. 149)

5 OR MORE YEARS AGO 2

MORE THAN 2 BUT LESS THAN 5 3

1 TO 2 YEARS AGO 4

WITHIN THE PAST 12 MONTHS 5

(GO to q. 148)

148. Was this test needed for work, school, camp, insurance, or some other reason like that? 3844

Yes 1

No 2

QUESTIONS FOR FEMALES

(MALES—GO to q. 154, next page)

(FEMALES—GO to q. 149)

149. WHEN DID YOU MOST RECENTLY HAVE A ROUTINE FEMALE EXAMINATION WITH A PAP SMEAR? 3845

(Circle one.)

WITHIN THE PAST 12 MONTHS 1
1 TO 2 YEARS AGO 2
MORE THAN 2 BUT LESS THAN 5 3
5 OR MORE YEARS AGO 4
NEVER 5

150. ARE YOU CURRENTLY TAKING BIRTH CONTROL PILLS? 3846

YES 1 — (GO to q. 152)

NO 2 — (GO to q. 151)

151. Are you pregnant now?

3847

Yes 1

No 2

152. HAVE YOU BEEN PREGNANT IN THE LAST 5 YEARS?

3848

NO 2 — (GO to q. 154, next page)

YES 1 — (GO to q. 153)

153. During your last pregnancy, when did you first begin receiving medical care for the pregnancy? 3849

(Circle one.)

During the first 3 months
of your pregnancy 1

During the second 3
months of your
pregnancy 2

During the last 3 months
of your pregnancy 3

No care before delivery .. 4

SLEEPING PILLS

154. HAS A DOCTOR EVER PRESCRIBED SLEEPING PILLS FOR YOU? 3850

YES 1

NO 2

155. ARE YOU CURRENTLY USING SLEEPING PILLS WHICH ARE PRESCRIBED BY A DOCTOR? 3851

(Circle one.)

NO 1

ONCE A MONTH OR LESS 2

A FEW TIMES A MONTH 3

A FEW TIMES A WEEK 4

EVERY NIGHT 5

156. During the past 3 months, how much has your use of sleeping pills worried or concerned you? 3852

(Circle one.)

A lot 1

Somewhat 2

A little 3

Not at all 4

Do not take sleeping
pills 9

TRANQUILIZERS, SEDATIVES

157. HAS A DOCTOR PRESCRIBED TRANQUILIZERS OR SEDATIVES FOR YOU IN THE LAST 12 MONTHS? 3853

("Tranquilizers" pronounced "TRAN-kwil-eye-zers")

NO 2 — (GO to q. 160, next page)

YES 1 — (GO to q. 158)

158. Are you currently using tranquilizers or sedatives which were prescribed by a doctor? 3854

(Circle one.)

No 1 — (GO to q. 160, next page)

Once a month or less .. 2

A few times a month .. 3

A few times a week 4

Every day 5

Twice a day or more .. 6

— (GO to q. 159)

159. During the past 3 months, how much has your use of tranquilizers or sedatives worried or concerned you? 3855

(Circle one.)

A lot 1

Somewhat 2

A little 3

Not at all 4

EXERCISE, REST

160. ARE YOU CURRENTLY UNDER A DOCTOR'S ORDERS TO EXERCISE? 3856

NO 2 — (GO to q. 163, next page)

YES 1 — (GO to q. 161)

161. What is the exercise for? Answer "Yes" or "No" for each reason.

(circle one for each.)

Prevent heart disease Yes 1 3857
 No 2

Improve your general health Yes 1 3858
 No 2

Treatment for a broken bone, Yes 1 3859
sprain, or sore muscle No 2

Arthritis Yes 1 3860
 No 2

Improve athletic ability Yes 1 3861
 No 2

Other Yes 1 3862
 No 2

162. How often do you do the exercise the doctor prescribed? 3863

(Circle one.)

Always 1

Most of the time 2

About half the time 3

Less than half the time ... 4

Never 5

163. IN AN AVERAGE 24 HOUR PERIOD, ABOUT HOW MANY HOURS DO YOU SPEND **3864**
SLEEPING?

(Circle one.)

6 HOURS OR LESS	1
7	2
8	3
9 OR MORE	4

164. DURING THE PAST 12 MONTHS, ABOUT HOW MANY HOURS PER WEEK DID YOU **3865**
SPEND IN LIGHT ACTIVITIES LIKE THESE:

- STANDING OR WALKING SLOWLY
- BOWLING
- FISHING QUIETLY
- PLAYING MUSICAL INSTRUMENTS
- MOWING THE LAWN WITH POWER MOWER
- OTHER LIGHT ACTIVITIES?

(Circle one.)

NO HOURS PER WEEK	1
5 HOURS OR LESS	2
6 TO 15	3
16 TO 25	4
26 TO 35	5
36 HOURS OR MORE	6

165. DURING THE PAST 12 MONTHS, ABOUT HOW MANY HOURS PER WEEK DID YOU **3866**
SPEND IN MEDIUM ACTIVITIES LIKE THESE:

- BICYCLING
- PLAYING GOLF
- DANCING
- CANOEING (NOT WHITE WATER)
- DIGGING OR GARDENING
- DOING CARPENTRY
- SWIMMING SLOWLY
- OTHER MEDIUM ACTIVITIES?

(Circle one.)

NO HOURS PER WEEK	1
1 HOUR	2
2 TO 5	3
6 TO 10	4
11 TO 15	5
16 HOURS OR MORE	6

166. DURING THE PAST 12 MONTHS, ABOUT HOW MANY HOURS PER WEEK DID YOU 3867
SPEND IN STRENUOUS (HEAVY) ACTIVITIES LIKE THESE:

- CARRYING HEAVY WEIGHTS (80 LBS. OR MORE)
- SHOVELING HEAVY LOADS
- JOGGING OR RUNNING FAST
- SKIING
- PLAYING FULL COURT BASKETBALL
- PLAYING HANDBALL OR SQUASH
- PLAYING TOUCH FOOTBALL
- OTHER STRENUOUS (HEAVY) ACTIVITIES?

(Circle one.)

- | | |
|-------------------------|---|
| NO HOURS PER WEEK | 1 |
| 1 HOUR | 2 |
| 2 TO 5 | 3 |
| 6 TO 10 | 4 |
| 11 TO 15 | 5 |
| 16 HOURS OR MORE | 6 |

167. WHICH STATEMENT DESCRIBES YOU BEST?

3868

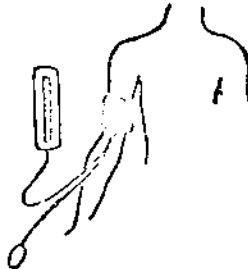
(Circle one.)

- | | |
|---|---|
| NOT VERY ACTIVE, SITTING AND WALKING
MOSTLY | 1 |
| A WEEKEND OR VACATION EXERCISER | 2 |
| PHYSICALLY ACTIVE AT LEAST 1-2 TIMES
DURING THE WEEK | 3 |
| PHYSICALLY ACTIVE 3 OR MORE TIMES
DURING THE WEEK | 4 |

BLOOD PRESSURE

168. HAVE YOU EVER HAD YOUR BLOOD PRESSURE CHECKED?

3869



(Circle one.)

NO 2 — (GO to q. 171)
YES 1 — (GO to q. 169)

169. When did you last have your blood pressure checked?

3870

(Circle one.)

Within the last 6 months .. 1
7-12 months ago 2
1-2 years ago 3
3-5 years ago 4
More than 5 years ago .. 5

170. Did the person who checked your blood pressure tell you anything about it?

3871

Yes 1
No 2

171. HAVE YOU EVER BEEN TOLD BY A DOCTOR THAT YOU HAD HIGH BLOOD PRES- 3872
SURE?

NO 2 — (GO to q. 184, page 39)
YES 1 — (GO to q. 172)

172. How long ago were you first told this?

3873

(Circle one.)

Within the last 6 months 1
7-12 months ago 2
1-2 years ago 3
3-5 years ago 4
6-10 years ago 5
More than 10 years ago .. 6

173. Have you been told that your blood pressure was high more than one time, or were you told that only one time? 3874
More than 1 time 1
Only 1 time 2
174. Has a doctor prescribed pills or medicine for your high blood pressure? 3875
No 2 — (GO to q. 176)
Yes 1 — (GO to q. 175)
175. Are you still taking the pills or medicine now? 3876
(Circle one.)
Yes 1
No, I decided to stop 2
No, doctor told me to
stop 3
176. As far as you know, is your blood pressure currently high or normal? 3877
High 1
Normal 2
177. How often would you say your food is salted, either in cooking or at the table? 3878
(Circle one.)
Often 1
Sometimes 2
Once in a while 3
Never 4
178. Did a doctor tell you to eat less salt because of your blood pressure? 3879
Yes 1
No 2
179. Because of your blood pressure are you currently on a weight losing diet? 3880
Yes 1
No 2

180. During the past 3 months, how much pain has your high blood pressure caused you? 3881

(Circle one.)

A lot 1
Some 2
A little 3
None at all 4

181. During the past 3 months, how much has your high blood pressure worried or concerned you? 3882

(Circle one.)

A lot 1
Somewhat 2
A little 3
Not at all 4

182. During the past 3 months, how often has your high blood pressure kept you from doing the kinds of activities other people your age do? 3883

(Circle one.)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

183. During the past 30 days, how many days has your high blood pressure kept you in bed all or most of the day? (If no days in bed, write in "0".) 3884

_____ Days in bed

STOMACH PAIN OR STOMACH ACHE

184. IN THE LAST 3 MONTHS, HAVE YOU EVER BEEN TROUBLED WITH EPISODES (ATTACKS) OF STOMACH PAIN OR STOMACH ACHE? 3885
- NO 2 — (GO to q. 189)
- YES 1 — (GO to q. 185)
185. In the last 3 months, have you ever had these pains for as many as 3 days in one week? 3886
- Yes 1
- No 2
186. How soon do these episodes (attacks) usually come on after eating? 3887
- Right after eating 1
- 1/2 to 1 hour after eating 2
- 2 or more hours after eating 3
- Not related to eating 4
187. Are they relieved by taking milk or food? 3888
- Yes 1
- No 2
188. Have they ever awakened you at night? 3889
- Yes 1
- No 2
189. HAVE YOU EVER BEEN TOLD BY A DOCTOR THAT YOU HAD AN ULCER IN YOUR STOMACH OR DUODENUM (SMALL BOWEL)? 3890
- ("Duodenum" pronounced "Du-o-DEE-num")
- NO 2 — (GO to q. 191, next page)
- YES 1 — (GO to q. 190)
190. Did the doctor confirm this ulcer with an upper GI series or barium swallow x-ray examination (swallowing white liquid medicine while x-rays are being taken)? (By "confirm" we mean did the doctor say for sure that you had an ulcer.) 3891
- Yes 1
- No 2
- Don't know 8

191. ARE YOU CURRENTLY TAKING ANTACIDS SUCH AS TABLETS (LIKE TUMS) OR WHITE LIQUID MEDICINE (LIKE MAALOX OR GELUSIL) AT LEAST ONCE A DAY? 3892

YES 1
NO 2

192. DO YOU TAKE ASPIRIN, OR MEDICINES LIKE ASPIRIN FOR RELIEF OF STOMACH PAIN? 3893

(Circle one.)

No 1
Once a week 2
Twice to six times a
week 3
1 to 3 tablets a day 4
4 or more tablets a day .. 5

193. DURING THE PAST 3 MONTHS, HOW MUCH PAIN HAS STOMACH TROUBLE CAUSED YOU? 3894

(Circle one.)

A lot 1
Some 2
A little 3
None at all 4

194. DURING THE PAST 3 MONTHS, HOW MUCH HAS STOMACH TROUBLE WORRIED OR CONCERNED YOU? 3895

(Circle one.)

A lot 1
Somewhat 2
A little 3
Not at all 4

195. DURING THE PAST 3 MONTHS, HOW OFTEN HAS STOMACH TROUBLE KEPT YOU FROM DOING THE KINDS OF ACTIVITIES OTHER PEOPLE YOUR AGE DO? 3896

(Circle one.)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

196. DURING THE PAST 30 DAYS, HOW MANY DAYS HAS STOMACH TROUBLE KEPT YOU 3897
IN BED ALL OR MOST OF THE DAY? (IF NO DAYS IN BED, WRITE IN "0".)
_____ Days in bed

MEDICINES, PILLS, POISON

197. HAS A DOCTOR OR NURSE EVER TOLD YOU TO KEEP MEDICINES, PILLS, OR POI- 3898
SON OUT OF THE REACH OF CHILDREN?
(Circle one.)
YES 1
NO 2
DO NOT HAVE
CHILDREN 9

MARRIAGE, WORK, AND DWELLINGS

Here are some questions on a different subject.

198. HAVE YOU EVER BEEN MARRIED? 3899
NO 2 — (GO to q. 200)
YES 1 — (GO to q. 199)
199. How many times have you been married? 3900
_____ Times
200. HAVE YOU HAD A PAID JOB IN THE PAST 12 MONTHS? (COUNT SUMMER JOBS, 3901
PART-TIME JOBS.)
NO 2 — (GO to q. 209, page 43)
YES 1 — (GO to q. 201)
201. How often have you enjoyed your work? (In the past 12 months) 3902
(Circle one.)
Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

202. How often have you had trouble getting along with others at work? (In the past 12 months) 3903

(Circle one.)

Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

203. How often have you received good pay? (In the past 12 months) 3904

(Circle one.)

Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

204. How often have you had poor working conditions? (In the past 12 months) 3905

(Circle one.)

Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

205. How often have you liked the people you worked with? (In the past 12 months) 3906

(Circle one.)

Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

206. How often have you been under stress or tension on your job? (In the past 12 months) 3907

(Circle one.)

Always 1
Almost always 2
Sometimes 3
Almost never 4
Never 5

207. How many different jobs (with different employers) have you had in the past 5 years? 3908
_____ Jobs
208. How many years ago did you take your first job? 3909
_____ Years
209. DURING THE PAST 5 YEARS, HOW MANY DIFFERENT APARTMENTS OR HOUSES HAVE YOU LIVED IN? 3910
_____ PLACES

DEBTS

210. DO YOU NOW OWE MORE THAN \$100 ON ANYTHING? 3911
NO 2 — (GO to q. 212)
YES 1 — (GO to q. 211)
211. Do you expect to have any problems making payments on what you owe? 3912
(Circle one.)
- No, I can easily pay off
my debts 1
- Maybe, I might have
some problems 2
- Yes, I expect to have
problems 3

STRESS AT HOME

212. HOW OFTEN HAVE YOU BEEN UNDER STRESS OR TENSION AT HOME? (IN THE PAST 12 MONTHS) 3913
- (Circle one.)
- ALWAYS 1
- ALMOST ALWAYS 2
- SOMETIMES 3
- ALMOST NEVER 4
- NEVER 5

FUTURE HEALTH

213. DURING THE NEXT 12 MONTHS, DO YOU EXPECT YOUR HEALTH WILL BE EXCEL- 3914
LENT, GOOD, FAIR, OR POOR?

(Circle one.)

EXCELLENT 1
GOOD 2
FAIR 3
POOR 4

214. HOW MUCH DO YOU THINK YOUR OWN HEALTH CARE WILL COST DURING THE 3915
NEXT 12 MONTHS?

INCLUDE EVERY EXPENSE FOR DOCTORS, DENTISTS, NURSES, CLINICS, PSY- 3916
CHIATRISTS, MEDICAL TESTS, DRUGS, ETC.

INCLUDE EXPENSES YOU WILL PAY AND EXPENSES WHICH WILL BE PAID BY
INSURANCE, MEDICAID, AND OTHER PEOPLE.

(Circle one.)

LESS THAN \$100 1
BETWEEN \$100 AND \$500 2
(ABOUT HOW MUCH? \$ _____)
BETWEEN \$500-\$1000 3
(ABOUT HOW MUCH? \$ _____)
OVER \$1000 4
(ABOUT HOW MUCH? \$ _____)

MEDICAL APPLIANCES

The next questions are about eyeglasses, contact lenses, hearing aids, and dentures or braces for teeth.

215. DO YOU OWN EYEGLASSES OR CONTACT LENSES WHICH CORRECT YOUR VISION? 3917

NO 2 — (GO to q. 219)

YES 1 — (GO to q. 216)

216. When was the last time you got a new pair of eyeglasses or contact lenses? 3918

..... Month Year 3919

217. Did you own eyeglasses or contact lenses before that time? 3920

No 2 — (GO to q. 219)

Yes 1 — (GO to q. 218)

218. When was the last time you got a new pair of eyeglasses or contact lenses ³⁹²¹
before that time?

..... Month Year

219. DO YOU OWN A HEARING AID? 3923

NO 2 — (GO to q. 223)

YES 1 — (GO to q. 220)

220. When was the last time you got a new hearing aid? 3924

..... Month Year 3925

221. Did you own a hearing aid before that time? 3926

No 2 — (GO to q. 223)

Yes 1 — (GO to q. 222)

222. When was the last time you got a new hearing aid before that time? 3927

..... Month Year 3928

223. DO YOU WEAR DENTURES OR BRACES FOR TEETH? 3929

NO 2 — (GO to q. 227, next page)

YES 1 — (GO to q. 224)

224. When was the last time you got new dentures or braces for teeth? 3930
_____ Month _____ Year 3931
225. Did you wear dentures or braces for teeth before that time? 3932
No 2 — (GO to q. 227)
Yes 1 — (GO to q. 226)
226. When was the last time you got new dentures or braces for teeth before 3933
that time? 3934
_____ Month _____ Year

MEDICAL CARE

For the next questions, choose the answer which comes closest to your experiences with medical care in the PAST 12 MONTHS. If you have not been to a doctor or clinic in the past 12 months, answer about your latest experiences with medical care.

227. WHEN I GO TO THE DOCTOR WITH A HEALTH PROBLEM, THE DOCTOR TAKES 3935
ENOUGH TIME TO FIND OUT EXACTLY WHAT IS WRONG WITH ME.

(Circle one.)

- ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 5

228. THE PEOPLE IN THE DOCTOR'S OFFICE OR CLINIC (NURSES, RECEPTIONIST, AND 3936
SO FORTH) ARE VERY FRIENDLY AND HELPFUL.

(Circle one.)

- ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 5

229. THE DOCTOR (OR CLINIC) GIVES ME MORE MEDICINES OR SHOTS THAN I NEED 3937
TO GET WELL.

(Circle one.)

- ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 4

END OF PART 1—GO ON TO PART 2

MEDICAL HISTORY QUESTIONNAIRE FORM A (PART 2)
DAYTON ENROLLMENT, AGES 14 AND OLDER

HIEI#46
UOSI#173
OMB#85-R-0238
Expires: 12/80

Health Insurance Study
Dayton, Ohio

MEDICAL HISTORY
FORM A, PART 2
Ages 14-74

TO BE FILLED OUT ABOUT: _____
(The above person should fill out this form, if at all possible. If this person is unable to complete the form, someone else may help.)

INSTRUCTIONS ON HOW TO FILL OUT THE FORM ARE THE SAME AS FOR PART 1.
BEGIN ON THE NEXT PAGE.

GENERAL WELL-BEING

THE NEXT QUESTIONS ARE ABOUT HOW YOU FEEL AND HOW THINGS HAVE BEEN GOING WITH YOU. FOR EACH QUESTION CIRCLE A NUMBER FOR THE ANSWER WHICH BEST APPLIES TO YOU.

1. HOW HAVE YOU BEEN FEELING IN GENERAL? (DURING THE PAST MONTH) 3938

(Circle one.)

- IN EXCELLENT SPIRITS 1
IN VERY GOOD SPIRITS 2
IN GOOD SPIRITS MOSTLY 3
I HAVE BEEN UP AND DOWN IN SPIRITS
A LOT 4
IN LOW SPIRITS MOSTLY 5
IN VERY LOW SPIRITS 6

2. HAVE YOU BEEN BOTHERED BY NERVOUSNESS OR YOUR "NERVES"? (DURING THE PAST MONTH) 3939

(Circle one.)

- EXTREMELY SO— TO THE POINT WHERE I COULD
NOT WORK OR TAKE CARE OF THINGS 1
VERY MUCH SO 2
QUITE A BIT 3
SOME— ENOUGH TO BOTHER ME 4
A LITTLE 5
NOT AT ALL 6

3. HOW OFTEN WERE YOU BOTHERED BY ANY ILLNESS, BODILY DISORDER, ACHES OR PAINS? (DURING THE PAST MONTH) 3940

(Circle one.)

- EVERY DAY 1
ALMOST EVERY DAY 2
ABOUT HALF OF THE TIME 3
NOW AND THEN, BUT LESS THAN HALF OF
THE TIME 4
RARELY 5
NONE OF THE TIME 6

4. HOW MUCH ENERGY, PEP OR VITALITY DID YOU HAVE OR FEEL? (DURING THE PAST MONTH) 3941

(Circle one.)

VERY FULL OF ENERGY— LOTS OF PEP 1
FAIRLY ENERGETIC MOST OF THE TIME 2
MY ENERGY LEVEL VARIED QUITE A BIT 3
GENERALLY LOW IN ENERGY, PEP 4
VERY LOW IN ENERGY OR PEP MOST
OF THE TIME 5
NO ENERGY OR PEP AT ALL, I FELT
DRAINED, SAPPED 6

5. HOW HAPPY, SATISFIED, OR PLEASED HAVE YOU BEEN WITH YOUR PERSONAL LIFE? (DURING THE PAST MONTH) 3942

(Circle one.)

EXTREMELY HAPPY— COULD NOT HAVE BEEN
MORE SATISFIED OR PLEASED 1
VERY HAPPY MOST OF THE TIME 2
GENERALLY SATISFIED— PLEASED 3
SOMETIMES FAIRLY SATISFIED, SOMETIMES
FAIRLY UNHAPPY 4
GENERALLY DISSATISFIED, UNHAPPY 5
VERY DISSATISFIED OR UNHAPPY MOST OR
ALL OF THE TIME 6

6. HAVE YOU BEEN UNDER OR FELT YOU WERE UNDER ANY STRAIN, STRESS, OR PRESSURE? (DURING THE PAST MONTH) 3943

(Circle one.)

YES— ALMOST MORE THAN I COULD STAND
OR BEAR 1
YES— QUITE A BIT OF PRESSURE 2
YES— SOME— MORE THAN USUAL 3
YES— SOME BUT ABOUT NORMAL 4
YES— A LITTLE 5
NOT AT ALL 6

7. HAVE YOU BEEN IN FIRM CONTROL OF YOUR BEHAVIOR, THOUGHTS, EMOTIONS OR FEELINGS? (DURING THE PAST MONTH) 3944

(Circle one.)

- YES, DEFINITELY SO 1
- YES, FOR THE MOST PART 2
- GENERALLY SO 3
- NOT TOO WELL 4
- NO, AND I AM SOMEWHAT DISTURBED 5
- NO, AND I AM VERY DISTURBED 6

8. DID YOU FEEL DEPRESSED? (DURING THE PAST MONTH) 3945

(Circle one.)

- YES— TO THE POINT THAT I FELT LIKE TAKING MY LIFE 1
- YES— TO THE POINT THAT I DID NOT CARE ABOUT ANYTHING 2
- YES— VERY DEPRESSED ALMOST EVERY DAY 3
- YES— QUITE DEPRESSED SEVERAL TIMES 4
- YES— A LITTLE DEPRESSED NOW AND THEN 5
- NO— NEVER FELT DEPRESSED AT ALL 6

9. HAVE YOU BEEN ANXIOUS, WORRIED, OR UPSET? (DURING THE PAST MONTH) 3946

(Circle one.)

- EXTREMELY SO— TO THE POINT OF BEING SICK OR ALMOST SICK 1
- VERY MUCH SO 2
- QUITE A BIT 3
- SOME— ENOUGH TO BOTHER ME 4
- A LITTLE BIT 5
- NOT AT ALL 6

10. DID YOU FEEL HEALTHY ENOUGH TO CARRY OUT THE THINGS YOU LIKE TO DO OR HAD TO DO? (DURING THE PAST MONTH) 3947

(Circle one.)

YES-- DEFINITELY SO 1
FOR THE MOST PART 2
HEALTH PROBLEMS LIMITED ME IN
SOME IMPORTANT WAYS 3
I WAS ONLY HEALTHY ENOUGH TO TAKE
CARE OF MYSELF 4
I NEEDED SOME HELP IN TAKING CARE
OF MYSELF 5
I NEEDED SOMEONE TO HELP ME MOST
OR ALL OF THE TIME 6

11. HAVE YOU HAD ANY REASON TO WONDER IF YOU WERE LOSING YOUR MIND, OR LOSING CONTROL OVER THE WAY YOU ACT, TALK, THINK, FEEL, OR OF YOUR MEMORY? (DURING THE PAST MONTH) 3948

(Circle one.)

NOT AT ALL 1
ONLY A LITTLE 2
SOME-- BUT NOT ENOUGH TO BE CONCERNED
OR WORRIED ABOUT 3
SOME AND I HAVE BEEN A LITTLE
CONCERNED 4
SOME AND I AM QUITE CONCERNED 5
YES, VERY MUCH SO AND I AM VERY
CONCERNED 6

12. DID YOU FEEL RELAXED, AT EASE OR HIGH STRUNG, TIGHT, OR KEYED-UP? 3949
(DURING THE PAST MONTH)

(Circle one.)

FELT RELAXED AND AT EASE THE WHOLE
MONTH 1
FELT RELAXED AND AT EASE MOST OF THE TIME—
SELDOM OR NEVER FELT HIGH STRUNG 2
GENERALLY FELT RELAXED BUT AT TIMES
FELT FAIRLY HIGH STRUNG 3
GENERALLY FELT HIGH STRUNG BUT AT
TIMES FELT FAIRLY RELAXED 4
FELT HIGH STRUNG, TIGHT OR KEYED-UP
MOST OF THE TIME — SELDOM OR NEVER
FELT RELAXED 5
FELT HIGH STRUNG, TIGHT OR KEYED-UP
THE WHOLE MONTH 6

13. HAVE YOU FELT SO SAD, DISCOURAGED, HOPELESS, OR HAD SO MANY PROBLEMS 3950
THAT YOU WONDERED IF ANYTHING WAS WORTHWHILE? (DURING THE PAST
MONTH)

(Circle one.)

EXTREMELY SO— TO THE POINT THAT I
HAVE JUST ABOUT GIVEN UP 1
VERY MUCH SO 2
QUITE A BIT 3
SOME— ENOUGH TO BOTHER ME 4
A LITTLE BIT 5
NOT AT ALL 6

14. HAVE YOU BEEN CONCERNED, WORRIED OR HAD ANY FEARS ABOUT YOUR 3951
HEALTH? (DURING THE PAST MONTH)

(Circle one.)

EXTREMELY SO 1
VERY MUCH SO 2
QUITE A BIT 3
SOME, BUT NOT A LOT 4
PRACTICALLY NEVER 5
NOT AT ALL 6

15. WERE YOU GENERALLY TENSE OR DID YOU FEEL ANY TENSION? (DURING THE PAST MONTH) 3952

(Circle one.)

YES— EXTREMELY TENSE, MOST OR ALL
OF THE TIME 1
YES— VERY TENSE MOST OF THE TIME 2
NOT GENERALLY TENSE, BUT DID FEEL
FAIRLY TENSE SEVERAL TIMES 3
I FELT A LITTLE TENSE A FEW TIMES 4
MY GENERAL TENSION LEVEL WAS QUITE
LOW 5
I NEVER FELT TENSE OR ANY TENSION
AT ALL 6

16. DID YOU FEEL ACTIVE, VIGOROUS OR DULL, SLUGGISH? (DURING THE PAST PAST MONTH) 3953

(Circle one.)

VERY ACTIVE, VIGOROUS EVERY DAY 1
MOSTLY ACTIVE, VIGOROUS— NEVER
REALLY DULL, SLUGGISH 2
FAIRLY ACTIVE, VIGOROUS— SELDOM
DULL, SLUGGISH 3
FAIRLY DULL, SLUGGISH— SELDOM
ACTIVE, VIGOROUS 4
MOSTLY DULL, SLUGGISH— NEVER
REALLY ACTIVE, VIGOROUS 5
VERY DULL, SLUGGISH EVERY DAY 6

17. HAVE YOU FELT DOWNHEARTED AND BLUE? (DURING THE PAST MONTH) 3954

(Circle one.)

ALL OF THE TIME 1
MOST OF THE TIME 2
A GOOD BIT OF THE TIME 3
SOME OF THE TIME 4
A LITTLE OF THE TIME 5
NONE OF THE TIME 6

18. HAVE YOU FELT TIRED, WORN OUT, USED UP, OR EXHAUSTED? (DURING THE PAST MONTH) 3955

(Circle one.)

ALL OF THE TIME	1
MOST OF THE TIME	2
A GOOD BIT OF THE TIME	3
SOME OF THE TIME	4
A LITTLE OF THE TIME	5
NONE OF THE TIME	6

19. HAS YOUR DAILY LIFE BEEN FULL OF THINGS THAT WERE INTERESTING TO YOU? (DURING THE PAST MONTH) 3956

(Circle one.)

ALL OF THE TIME	1
MOST OF THE TIME	2
A GOOD BIT OF THE TIME	3
SOME OF THE TIME	4
A LITTLE OF THE TIME	5
NONE OF THE TIME	6

20. HAVE YOU BEEN WAKING UP FEELING FRESH AND RESTED? (DURING THE PAST MONTH) 3957

(Circle one.)

ALL OF THE TIME	1
MOST OF THE TIME	2
A GOOD BIT OF THE TIME	3
SOME OF THE TIME	4
A LITTLE OF THE TIME	5
NONE OF THE TIME	6

21. HAVE YOU BEEN FEELING EMOTIONALLY STABLE AND SURE OF YOURSELF? 3958
(DURING THE PAST MONTH)

(Circle one.)

ALL OF THE TIME 1
MOST OF THE TIME 2
A GOOD BIT OF THE TIME 3
SOME OF THE TIME 4
A LITTLE OF THE TIME 5
NONE OF THE TIME 6

22. HAVE YOU FELT CHEERFUL, LIGHTEARTED? (DURING THE PAST MONTH) 3959

(Circle one.)

ALL OF THE TIME 1
MOST OF THE TIME 2
A GOOD BIT OF THE TIME 3
SOME OF THE TIME 4
A LITTLE OF THE TIME 5
NONE OF THE TIME 6

23. HAVE YOU HAD SEVERE ENOUGH PERSONAL, EMOTIONAL, BEHAVIOR, OR MENTAL 3961
PROBLEMS THAT YOU FELT YOU NEEDED HELP DURING THE PAST YEAR?

(Circle one.)

YES, AND I DID SEEK PROFESSIONAL HELP .. 1
YES, BUT I DID NOT SEEK PROFESSIONAL
HELP 2
I HAVE HAD (OR HAVE NOW) SEVERE PERSONAL
PROBLEMS, BUT HAVE NOT FELT I NEEDED
PROFESSIONAL HELP 3
I HAVE HAD VERY FEW PERSONAL PROBLEMS
OF ANY SERIOUS CONCERN 4
I HAVE NOT BEEN BOTHERED AT ALL BY
PERSONAL PROBLEMS DURING THE PAST
YEAR 5

24. HAVE YOU EVER HAD A NERVOUS BREAKDOWN? 3960

(Circle one.)

YES— DURING THE PAST YEAR 1

YES— MORE THAN A YEAR AGO 2

NO 3

25. HAVE YOU EVER FELT THAT YOU WERE GOING TO HAVE, OR WERE CLOSE TO HAVING A NERVOUS BREAKDOWN? 3962

(Circle one.)

YES— DURING THE PAST YEAR 1

YES— MORE THAN A YEAR AGO 2

NO 3

26. HAVE YOU EVER BEEN A PATIENT (OR OUTPATIENT) AT A MENTAL HOSPITAL, A MENTAL HEALTH WARD OF A HOSPITAL, OR A MENTAL HEALTH CLINIC, FOR ANY PERSONAL, EMOTIONAL, BEHAVIOR, OR MENTAL PROBLEM? 3963

(Circle one.)

YES— AND I AM STILL GOING 1

YES— DURING THE PAST YEAR BUT
NOT NOW 2

YES— MORE THAN A YEAR AGO 3

NO 4

27. HAVE YOU EVER SEEN A PSYCHIATRIST, PSYCHOLOGIST, OR PSYCHOANALYST ABOUT ANY PERSONAL, EMOTIONAL, BEHAVIOR, OR MENTAL PROBLEM CONCERNING YOURSELF? 3964

(Circle one.)

YES— AND I AM STILL GOING 1

YES— DURING THE PAST YEAR, BUT
NOT NOW 2

YES— MORE THAN A YEAR AGO 3

NO 4

28. HAVE YOU TALKED WITH OR HAD ANY CONNECTION WITH ANY OF THE FOLLOWING ABOUT SOME PERSONAL, EMOTIONAL, BEHAVIOR, MENTAL PROBLEM, WORRIES OR "NERVES" CONCERNING YOURSELF DURING THE PAST YEAR?

(Circle an answer for each.)

REGULAR MEDICAL DOCTOR (EXCEPT FOR DEFINITE PHYSICAL CONDITIONS OR ROUTINE CHECK-UPS)? 3965

YES 1

NO 2

BRAIN OR NERVE SPECIALIST (NEUROLOGIST)? 3966

YES 1

NO 2

NURSE (EXCEPT FOR ROUTINE MEDICAL CONDITIONS)? 3967

YES 1

NO 2

LAWYER (EXCEPT FOR ROUTINE LEGAL SERVICES)? 3968

YES 1

NO 2

POLICE (EXCEPT FOR SIMPLE TRAFFIC VIOLATIONS)? 3969

YES 1

NO 2

CLERGYMAN, MINISTER, PRIEST, RABBI, ETC.? 3970

YES 1

NO 2

MARRIAGE OR FAMILY COUNSELOR? 3971

YES 1

NO 2

SOCIAL OR WELFARE WORKER? 3972

YES 1

NO 2

GROUP THERAPY? 3973

YES 1

NO 2

OCCUPATIONAL OR EDUCATIONAL COUNSELOR? 3974

YES 1

NO 2

OTHER FORMAL ASSISTANCE? 3975

YES 1

NO 2

29. DO YOU DISCUSS YOUR PROBLEMS WITH ANY MEMBERS OF YOUR FAMILY OR 3976
FRIENDS?

(Circle one.)

YES— AND IT HELPS A LOT 1

YES— AND IT HELPS SOME 2

YES— BUT IT DOES NOT HELP AT ALL 3

NO— I DO NOT HAVE ANYONE I CAN TALK WITH
ABOUT MY PROBLEMS 4

NO— NO ONE CARES TO HEAR ABOUT MY
PROBLEMS 5

NO— I DO NOT CARE TO TALK ABOUT MY
PROBLEMS WITH ANYONE 6

NO— I DO NOT HAVE ANY PROBLEMS 7

MEDICAL CARE

For the next questions, choose the answer which comes closest to your experiences with medical care in the PAST 12 MONTHS. If you have not been to a doctor or clinic in the past 12 months, answer about your latest experiences with medical care.

30. THE PEOPLE IN THE DOCTOR'S OFFICE OR CLINIC ARE UNCONCERNED AND DON'T REALLY CARE IF I'M IN PAIN OR UNCOMFORTABLE. 3977

(Circle one.)

ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 5

31. WHEN I GO TO THE DOCTOR OR CLINIC, I DON'T GET ALL THE MEDICINES OR SHOTS THAT I NEED TO GET WELL. 3978

(Circle one.)

ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 5

32. WHEN I GO TO THE DOCTOR WITH A HEALTH PROBLEM, THE DOCTOR DOESN'T DO ENOUGH TESTS AND OTHER THINGS TO FIND OUT EXACTLY WHAT IS WRONG WITH ME. 3979

(Circle one.)

ALWAYS TRUE 1
USUALLY TRUE 2
SOMETIMES TRUE, SOMETIMES FALSE 3
USUALLY FALSE 4
ALWAYS FALSE 5

LIFE EVENTS

For the next questions, please circle a number for whether or not an event happened **DURING THE LAST 6 MONTHS**. If you think an event happened during the last 6 months but are not sure, go ahead and answer "YES".

33. WERE YOU WORKING AT ALL DURING THE LAST 6 MONTHS? 3980

NO 2 — (GO to q. 40, next page)

YES 1 — (GO to q. 34)

DURING THE LAST 6 MONTHS:

34. Did you have trouble with your boss at work? 3981

Yes 1

No 2

Not working for a boss 9

35. Did you retire from a job because of old age? 3982

Yes 1

No 2

36. Did you have a major change in working hours or conditions? 3983

Yes 1

No 2

37. Did you have a major change in responsibilities at work? (For example 3984
changing to a higher or lower job.)

Yes 1

No 2

38. Were you fired from work? 3985

Yes 1

No 2

39. Did you change to a different line of work? 3986

Yes 1

No 2

40. WERE YOU MARRIED AT LEAST PART OF THE TIME DURING THE LAST 6 MONTHS? 3987

NO 2 — (GO to q. 44)

YES 1 — (GO to q. 41)

DURING THE LAST 6 MONTHS:

41. Did you have a major change in the number of arguments with your husband or wife? (For example, either a lot more or a lot less than usual) 3988

Yes 1

No 2

42. Did you separate from (split up with) your husband or wife during the last 6 months? (ANSWER "YES" EVEN IF YOU GOT BACK TOGETHER LATER.) 3989

(Circle one.)

Yes 1

No 2

Not living with husband/wife
at all in the last 6 months ... 9

43. Did you get back together again with your husband or wife? 3990

(Circle one.)

Yes 1

No 2

Not separated in last 6
months 9

} — (GO to q. 48, next page)

44. Did you have a boyfriend or girlfriend in the last 6 months? 3991

No 2 — (GO to q. 48, next page)

Yes 1 — (GO to q. 45)

DURING THE LAST 6 MONTHS:

45. Did you have a major change in the number of arguments with your boyfriend or girlfriend? (For example, either a lot more or a lot less than usual.) 3992

Yes 1

No 2

46. Did you separate from (split up with) your boyfriend or girlfriend during the last 6 months? (ANSWER "YES" EVEN IF YOU GOT BACK TOGETHER LATER.) 3993

Yes 1

No 2

47. Did you get back together again with your boyfriend or girlfriend?

3994

(Circle one.)

Yes 1

No 2

Not separated (split up) at any
time in last 6 months 9

DURING THE LAST 6 MONTHS:

48. DID YOU HAVE TROUBLE WITH YOUR PARENTS OR IN-LAWS?

3995

(Circle one.)

YES 1

NO 2

DON'T HAVE ANY LIVING PARENTS
OR IN-LAWS 9

49. DID YOU CHANGE YOUR PERSONAL HABITS (DRESS, MANNER, FRIENDS, ETC.)

3996

YES 1

NO 2

50. DID YOU HAVE A LOT MORE OR A LOT LESS MONEY THAN USUAL?

3997

YES 1

NO 2

51. WERE YOU PREGNANT?

3998

(Circle one.)

YES 1

NO 2

Male 9

52. DID A CLOSE FAMILY MEMBER DIE?

3999

YES 1

NO 2

53. DID A CLOSE FRIEND DIE?

4000

YES 1

NO 2

DURING THE LAST 6 MONTHS:

- 54. DID YOU HAVE A MAJOR BUSINESS CHANGE? (LIKE GOING INTO BUSINESS WITH SOMEONE ELSE, CHANGING YOUR BUSINESS, OR LOSING YOUR BUSINESS.)** 4001

(Circle one.)

YES 1
NO 2
DID NOT HAVE A BUSINESS 9

- 55. DID YOU ACHIEVE A SIGNIFICANT GOAL?** 4002

YES 1
NO 2

- 56. DID YOU HAVE A MAJOR CHANGE IN LIVING CONDITIONS? (EITHER BETTER OR WORSE: LIKE BUILDING OR REMODELING A HOUSE, LETTING A HOUSE OR APARTMENT GET INTO BAD SHAPE, MOVING TO A BETTER PLACE, ETC.)** 4003

YES 1
NO 2

- 57. DID YOU GET INTO DEBT GREATER THAN \$10,000? (LIKE BUYING A HOUSE OR BUSINESS.)** 4004

YES 1
NO 2

- 58. DID YOU GET INTO DEBT LESS THAN \$10,000? (LIKE BUYING A NEW CAR, T.V., OR REFRIGERATOR.)** 4005

YES 1
NO 2

- 59. DID YOU EXPERIENCE A FORECLOSURE ON A MORTGAGE OR LOAN? (LOSE POSSESSION OF A T.V., CAR, WASHER, HOUSE OR LAND BECAUSE YOU COULD NOT MAKE PAYMENTS ON TIME.)** 4006

("FORECLOSURE" PRONOUNCED "FOR-CLOZ-YUR")

YES 1
NO 2

60. DID YOU BEGIN OR QUIT SCHOOL? (DO NOT COUNT STOPPING FOR A VACATION 4007
OR STARTING AGAIN AFTER A VACATION.)

YES 1
NO 2

61. DID YOU CHANGE TO A NEW SCHOOL?

4008

(Circle one.)

YES 1
NO 2
NOT A STUDENT 9

MEDICINES TAKEN

These last few questions are about the prescription medicines you have taken in the last 48 hours (2 days). It is very important that you answer only for that time and that you answer only about prescription medicines you actually took.

62. DID YOU PERSONALLY TAKE ANY PRESCRIPTION MEDICINES IN THE LAST 48 4009
HOURS?

NO 2 — (GO to q. 64. page 20)
YES 1 — (GO to q. 63)

63. How many different prescription medicines did you take in the last 48 hours? 4010
..... Prescription medicines

For each different type of medicine, copy the requested information from the label on the bottle. Fill out one box for each type of medicine you took.

IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL".

A. Name of medicine: _____	4011
	4012
	4013
Instructions: How often does the label instruct you to take the medicine?	
_____	4014
How much should you take each time? (Be sure to say whether it is	4015
number of pills, number of teaspoons, or what.) _____	4016
Prescription number: _____	
	NC
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	4017
	4018

B. Name of medicine: _____	4019
	4020
	4021
Instructions: How often does the label instruct you to take the medicine?	
_____	4022
How much should you take each time? (Be sure to say whether it is	4023
number of pills, number of teaspoons, or what.) _____	4024
Prescription number: _____	
	NC
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	4025
	4026

C. Name of medicine: _____	4027
	4028
	4029
Instructions: How often does the label instruct you to take the medicine?	
_____	4030
How much should you take each time? (Be sure to say whether it is	4031
number of pills, number of teaspoons, or what.) _____	4032
Prescription number: _____	
	NC
Name of pharmacy (drug store): _____	NC
Phone number of pharmacy: _____	NC
Dosage (strength of medicine): _____	4033
	4034

	4035
	4036
D. Name of medicine: _____	4037
Instructions: How often does the label instruct you to take the medicine?	4038

How much should you take each time? (Be sure to say whether it is	4039
number of pills, number of teaspoons, or what.) _____	4040
Prescription number: _____	
	NC
Name of pharmacy (drug store): _____	
	NC
Phone number of pharmacy _____	
	NC
Dosage (strength of medicine): _____	4041
	4042

	4043
	4044
E. Name of medicine: _____	4045
Instructions: How often does the label instruct you to take the medicine?	4046

How much should you take each time? (Be sure to say whether it is	4047
number of pills, number of teaspoons, or what.) _____	4048
Prescription number: _____	
	NC
Name of pharmacy (drug store): _____	
	NC
Phone number of pharmacy: _____	
	NC
Dosage (strength of medicine): _____	4049
	4050

64. NAME OF PERSON WHO FILLED OUT THIS FORM: _____ 4051

65. IF THE PERSON WHOM THE FORM IS ABOUT DID NOT FILL IT OUT ALONE, CIRCLE 4052
REASONS FOR HELP:

PERSON WHOM FORM IS <u>ABOUT</u> :	CAN'T READ WELL ENOUGH	1
	HAS EYESIGHT PROBLEM	2
	HAS ARTHRITIS OR OTHER WRITING LIMITATION	3
	DOESN'T SPEAK ENGLISH WELL ENOUGH	4
	IS AWAY FROM HOME AND WILL NOT RETURN BEFORE FORM IS DUE	5
	OTHER: _____	6

66. DATE FORM WAS COMPLETED: _____ 4053
Month Day Year 4054
4055

THIS IS THE END OF THE MEDICAL HISTORY. THANK YOU VERY MUCH. IF YOU HAVE ANY COMMENTS, PLEASE WRITE THEM BELOW.

[illegible]

		4568
--	--	------

DO NOT WRITE ON THIS PAGE

DEI	REASON	DEI	REASON	DEI	REASON	DEI	REASON
4569	4594	4619	4644	4669	4694	4719	4744
4570	4595	4620	4645	4670	4695	4720	4745
4571	4596	4621	4646	4671	4696	4721	4746
4572	4597	4622	4647	4672	4697	4722	4747
4573	4598	4623	4648	4673	4698	4723	4748
4574	4599	4624	4649	4674	4699	4724	4749
4575	4600	4625	4650	4675	4700	4725	4750
4576	4601	4626	4651	4676	4701	4726	4751
4577	4602	4627	4652	4677	4702	4727	4752
4578	4603	4628	4653	4678	4703	4728	4753
4579	4604	4629	4654	4679	4704	4729	4754
4580	4605	4630	4655	4680	4705	4730	4755
4581	4606	4631	4656	4681	4706	4731	4756
4582	4607	4632	4657	4682	4707	4732	4757
4583	4608	4633	4658	4683	4708	4733	4758
4584	4609	4634	4659	4684	4709	4734	4759
4585	4610	4635	4660	4685	4710	4735	4760
4586	4611	4636	4661	4686	4711	4736	4761
4587	4612	4637	4662	4687	4712	4737	4762
4588	4613	4638	4663	4688	4713	4738	4763
4589	4614	4639	4664	4689	4714	4739	4764
4590	4615	4640	4665	4690	4715	4740	4765
4591	4616	4641	4666	4691	4716	4741	4766
4592	4617	4642	4667	4692	4717	4742	4767
4593	4618	4643	4668	4693	4718	4743	4768

**MEDICAL HISTORY QUESTIONNAIRE FORM A
REVISED (NONDAYTON), AGES 0-4**

NORC: 4230-MHQ
11/75
OMB #85-R-0238
Expires: 12/80

Health Insurance Study
Seattle, Washington

MEDICAL HISTORY QUESTIONNAIRE

FORM A

Ages 0-4

TO BE FILLED OUT ABOUT: _____

TO BE FILLED OUT BY: _____

(Adult in family who knows the most about this child's health)

A NOTE ABOUT THIS QUESTIONNAIRE

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, or problems filling out this questionnaire, feel free to call the following person, who will be happy to help you, or will send an interviewer to help you.

LEE TAYLOR — (206) 323-8481

INSTRUCTIONS

READ EACH QUESTION CAREFULLY.

CIRCLE THE NUMBER OF THE ONE ANSWER THAT MOST CLOSELY FITS THIS CHILD.

Example:

1. HAS THIS CHILD EVER HAD A COLD?

Yes ①
No 2

FOLLOW ANY INSTRUCTIONS NEXT TO THE NUMBER YOU CIRCLED, WHICH TELL YOU TO GO TO ANOTHER QUESTION OR ANOTHER PAGE.

Example:

22. DOES THIS CHILD WEAR GLASSES?

Yes ① —Answer 22-A
No 2 —Go to 23

22-A. HOW LONG HAS THIS CHILD BEEN WEARING GLASSES?

(Circle one)

Less than 1 year ①
About 1 year 2
About 2 years 3
More than 2 years 4

IF THERE ARE NO INSTRUCTIONS AFTER YOUR ANSWER, GO TO THE VERY NEXT QUESTION.

BEGIN ON THE NEXT PAGE →

HEIGHT AND WEIGHT

DO NOT
WRITE IN
THIS SPACE

1. HOW MUCH DID THIS CHILD WEIGH AT BIRTH?

_____ pounds, _____ ounces

3600

3601

2. WAS THIS CHILD BORN PREMATURELY? (THAT IS, EARLY, OR NOT CARRIED AT LEAST 8½ MONTHS.)

(Circle one)

Yes, born prematurely 1
No, not born prematurely 2
Don't know 3

3602

3. HOW TALL IS THIS CHILD NOW, WITHOUT SHOES ON?

_____ feet, _____ inches

3620

3621

4. HOW MUCH DOES THIS CHILD WEIGH NOW, WITHOUT HEAVY CLOTHING?

_____ pounds

3622

DEVELOPMENT

5. AT WHAT AGE DID THIS CHILD FIRST ROLL OVER? (If doesn't roll over yet, circle "99.")

_____ months Doesn't roll over yet . . . 99

5363

6. AT WHAT AGE DID THIS CHILD FIRST SIT UP WITHOUT HELP? (If doesn't sit up yet, circle "99.")

_____ months Doesn't sit up yet . . . 99

3603

7. AT WHAT AGE DID THIS CHILD FIRST WALK WITHOUT HELP? (If doesn't walk yet, circle "99.")

_____ months Doesn't walk yet . . . 99

3604

DO NOT
WRITE IN
THIS SPACE

8. AT WHAT AGE DID THIS CHILD SPEAK A REAL WORD FOR THE FIRST TIME? (FOR EXAMPLE, "MAMA" OR "DADA.") (If doesn't talk yet, circle "99.")

_____ months Doesn't talk yet . . . 99

3605

9. CONSIDERING THIS CHILD'S PROGRESS IN ROLLING OVER, SITTING UP, WALKING, AND TALKING, HOW DO YOU FEEL ABOUT THE WAY (S)HE IS GROWING UP OR DEVELOPING?

(Circle one)

Very satisfied 1
Somewhat satisfied 2
Neither satisfied nor worried 3
Somewhat worried 4
Very worried 5

3606

10. HOW DO YOU FEEL ABOUT THIS CHILD'S EATING HABITS?

(Circle one)

Very satisfied 1
Somewhat satisfied 2
Neither satisfied nor worried 3
Somewhat worried 4
Very worried 5

3607

11. HOW DO YOU FEEL ABOUT THIS CHILD'S SLEEPING HABITS?

(Circle one)

Very satisfied 1
Somewhat satisfied 2
Neither satisfied nor worried 3
Somewhat worried 4
Very worried 5

3608

DO NOT
WRITE IN
THIS SPACE

12. HOW DO YOU FEEL ABOUT THIS CHILD'S BOWEL HABITS?

(Circle one)

3609

- Very satisfied 1
Somewhat satisfied 2
Neither satisfied nor worried 3
Somewhat worried 4
Very worried 5

13. DO YOU FEEL THAT DOCTORS HAVE SPENT ENOUGH TIME TALK-
ING TO YOU ABOUT THIS CHILD'S EATING, SLEEPING, AND BOWEL
HABITS?

(Circle one)

5364

- They spend too much time talking
about these things 1
Yes, enough time 2
No, not enough time 3
Haven't talked with a doctor about these things .. 4

Now Go To Next Page

CARD 02

GENERAL HEALTH

DO NOT
WRITE IN
THIS SPACE

14. IN GENERAL, WOULD YOU SAY THIS CHILD'S HEALTH IS
EXCELLENT, GOOD, FAIR, OR POOR?

(Circle one)

Excellent 1
Good 2
Fair 3
Poor 4

5365

15. DURING THE PAST 3 MONTHS, HOW MUCH HAVE YOU WORRIED
ABOUT THIS CHILD'S HEALTH?

(Circle one)

A great deal 1
Somewhat 2
A little 3
Not at all 4

5366

16. DURING THE PAST 3 MONTHS, HOW MUCH PAIN OR DISTRESS HAS
THIS CHILD'S HEALTH CAUSED HIM OR HER?

(Circle one)

A great deal 1
Some 2
A little 3
None at all 4

5367

17. IS THIS CHILD UNABLE TO WALK, UNLESS ASSISTED BY AN ADULT
OR BY CRUTCHES, ARTIFICIAL LIMB, OR BRACES?

Yes, unable to walk unless assisted 1 —Answer 17-A
No, no trouble walking 2 } —Go to 18.
Not walking yet because of age 3 } next page

5368

- 17-A. HOW LONG HAS THE CHILD BEEN UNABLE TO WALK WITHOUT
ASSISTANCE?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5369

DO NOT
WRITE IN
THIS SPACE

18. BECAUSE OF HEALTH, DOES THIS CHILD NEED MORE HELP THAN USUAL FOR A CHILD THIS AGE IN EATING, DRESSING, BATHING, OR USING THE TOILET?

5370

Yes 1 —Answer 18-A
No 2 —Go to 19

- 18-A. HOW LONG HAS THE CHILD NEEDED EXTRA HELP WITH EATING, DRESSING, BATHING OR USING THE TOILET?

(Circle one)

3230

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

19. DOES THIS CHILD'S HEALTH KEEP HIM OR HER FROM TAKING PART IN ORDINARY PLAY?

Yes 1 —Answer 19-A
No 2 —Go to 20

5371

- 19-A. HOW LONG HAS THE CHILD'S HEALTH KEPT HIM OR HER FROM TAKING PART IN ORDINARY PLAY?

(Circle one)

2932

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

20. DOES THIS CHILD'S HEALTH LIMIT THE KIND OR AMOUNT OF ORDINARY PLAY HE OR SHE CAN DO?

Yes, health limits this 1 —Answer 20-A
No 2 —Go to 21
next page

2933

- 20-A. HOW LONG HAS THE CHILD'S HEALTH LIMITED THE KIND OR AMOUNT OF PLAY HE OR SHE CAN DO?

(Circle One)

3228

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

DO NOT
WRITE IN
THIS SPACE

21. DOES HEALTH LIMIT THIS CHILD IN ANY WAY FROM DOING ANYTHING HE OR SHE WANTS TO DO?

Yes 1 —Answer 21-A
No 2 —Go to 22.

5372

21-A. HOW LONG HAS THE CHILD'S HEALTH LIMITED HIM OR HER IN DOING THINGS HE OR SHE WANTS TO DO?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5373

FLUORIDES, DIET

22. DOES THIS CHILD USE FLUORIDE (FLORE-eyed) IN ANY OF THESE WAYS? (Please circle one number on each line.)

Yes	No	Don't know
-----	----	------------

A. Fluoridated toothpaste?	1	2	3
B. Fluoride tablets on a regular basis?	1	2	3
C. Fluoride mouthwash on a regular basis?	1	2	3
D. Did the child ever have his teeth painted with fluoride by a dentist or dental assistant?	1	2	3
E. Does the child use any fluoride-vitamin preparation?	1	2	3
F. Fluoride drops on a regular basis?	1	2	3

5374

5375

5376

5377

5378

5379

23. HOW OFTEN DOES THIS CHILD EAT SOMETHING IN BETWEEN REGULAR MEALS?

(Circle one)

4 or more times a day 1
3 times a day 2
About twice a day 3
Maybe once a day 4
Occasionally, not every day 5
Rarely or never eats between meals 6
Child is an infant, does not eat regular meals ... 7

5380

24. DURING THE PAST 24 HOURS, DID THIS CHILD EAT ANY OF THE FOODS LISTED BELOW. (Circle one number on each line. If the child ate even a little, circle "1" for "Yes." If he or she did not eat it at all, circle "2" for "No.")

DO NOT
WRITE IN
THIS SPACE

	Yes	No	
A. Sugar-coated cereal	1	2	5381
B. Cookies, cake, pie, doughnuts	1	2	5382
C. Soda pop, cola drinks	1	2	5383
D. Peanut butter	1	2	5384
E. Jelly or honey	1	2	5385
F. Raisins, figs, prunes	1	2	5386
G. Chewing gum	1	2	5387
H. Candy	1	2	5388
I. Sugar (table sugar)	1	2	5390

25. IF THE CHILD ATE ANY OF THESE FOODS IN THE PAST 24 HOURS, DID HE OR SHE EAT THEM ONLY DURING REGULAR MEALS (BREAKFAST, LUNCH OR DINNER), OR ONLY BETWEEN REGULAR MEALS, OR BOTH DURING AND BETWEEN MEALS?

(Circle one)

5391

- Regular meals only 1
Between meals only 2
Both during meals and between meals 3
Child is an infant, does not eat regular meals ... 4
Child did not eat any of above foods
in past 24 hours 5

26. DURING THE PAST 24 HOURS, HOW MANY TIMES DID THE CHILD...
(Circle one number on each line.)

	None	One time	Twice	Three times	Four or more	Don't know	
A. Drink milk (whole milk, skim milk, or low-fat)?	0	1	2	3	4	5	5392
B. Eat custard?	0	1	2	3	4	5	5393
C. Eat cheese?	0	1	2	3	4	5	5394
D. Have a milkshake (or frappe)?	0	1	2	3	4	5	5395
E. Have a malted milk?	0	1	2	3	4	5	5396

DO NOT
WRITE IN
THIS SPACE

IMMUNIZATIONS

27. HAS THIS CHILD HAD THE FOLLOWING SHOTS OR
IMMUNIZATIONS? (Circle one number on each line.)

	Yes	No	Don't know	
A. DPT (Diphtheria, Whooping cough, and Tetanus)?	1	2	3	3611
B. Polio?	1	2	3	3612
C. Smallpox?	1	2	3	3613
D. Regular measles?	1	2	3	3614
E. German measles?	1	2	3	3615
F. Mumps?	1	2	3	3616
G. Other, don't know what for?	1	2	3	3617

Now Go To Next Page

SAFETY

DO NOT
WRITE IN
THIS SPACE

CARD 33

28. HAS THIS CHILD EVER ACCIDENTALLY SWALLOWED ANY MEDICINES, PILLS, OR POISON?

(Circle one)

Never 1
Once 2
Twice 3
Three or more times 4
Dont know 5

3618

29. HOW MUCH OF THE TIME DOES THIS CHILD USE AN INFANT CARRIER SEAT OR HARNESS WHICH IS ATTACHED TO SEAT BELTS, OR SEAT BELTS ONLY, WHEN RIDING IN A CAR OR TRUCK?

(Circle one)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5
Never rides in car or truck 6

5397

30. HOW MANY HARMFUL THINGS, LIKE MEDICINES OR HOUSEHOLD CLEANERS, ARE KEPT OUT OF THIS CHILD'S REACH OR LOCKED UP?

(Circle one)

All of them are kept out of reach or locked up .. 1
Most of them are 2
Some of them are 3
A few of them are 4
None of them are 5

5398

31. HOW MANY ELECTRICAL OUTLETS, NOT IN USE IN THE HOME, ARE COVERED WITH PLASTIC COVERS, TAPE, OR OTHER COVERING?

(Circle one)

All unused outlets are covered 1
Most are covered 2
Some are covered 3
A few are covered 4
None are covered 5

5399

32. DO YOU FEEL THAT DOCTORS HAVE SPENT ENOUGH TIME TALKING WITH YOU ABOUT HOME AND CAR SAFETY FOR THIS CHILD?

(Circle one)

- They spend too much time talking about this 1
 Yes, enough time 2
 No, not enough time 3
 Have not talked with a doctor about this 4

DO NOT
WRITE IN
THIS SPACE

5400

SYMPTOMS LIST

33. DURING THE PAST 30 DAYS, DID THIS CHILD HAVE ANY OF THE FOLLOWING SYMPTOMS? (IF (S)HE DID, DID YOU SEE A DOCTOR ABOUT IT? Please circle one number on each line:

- 1 — Child did not have the symptom at all in the past 30 days.
 2 — Child had the symptom, but you did not see a doctor about it.
 3 — Child had the symptom, and you did see a doctor about it.

No. did not have this	Had it, but did not see doctor	Had it, and saw doctor
-----------------------------	---	------------------------------

A. Chicken pox	1	2	3
B. A stomach ache without vomiting for less than 24 hours	1	2	3
C. A stomach "flu" or virus, with vomiting or diarrhea lasting at least 2 days	1	2	3
D. An ear infection or earache with fever	1	2	3
E. An infection on the skin without fever	1	2	3
F. A sore throat with high fever or tonsillitis	1	2	3
G. A cough with a fever for at least 3 days	1	2	3
H. Allergies (such as to grass or certain foods) without asthma	1	2	3
I. Diarrhea (loose bowel movements) lasting for at least 3 days	1	2	3
J. Poor eating habits	1	2	3
K. Accidental poisoning or eating something harmful	1	2	3
L. A convulsion or fit (seizure)	1	2	3
M. Nosebleed	1	2	3
N. A cold or runny nose without fever	1	2	3
O. Head injury without loss of consciousness or vomiting	1	2	3

5401

5402

5403

5404

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5414

5415

DO NOT
WRITE IN
THIS SPACE

HEALTH PERCEPTIONS

34. PLEASE READ EACH OF THE FOLLOWING STATEMENTS, AND THEN CIRCLE ONE OF THE NUMBERS ON EACH LINE TO INDICATE WHETHER THE STATEMENT IS TRUE OR FALSE FOR THIS CHILD. THERE ARE NO RIGHT OR WRONG ANSWERS.

If a statement is definitely true for the child, circle 5.
If it is mostly true for the child, circle 4.
If you don't know whether it is true or false, circle 3.
If it is mostly false for the child, circle 2.
If it is definitely false for the child, circle 1.

SOME OF THE STATEMENTS MAY LOOK OR SEEM LIKE OTHERS.
BUT EACH STATEMENT IS DIFFERENT, AND SHOULD BE RATED BY ITSELF.

	Definitely true	Mostly true	Don't know	Mostly false	Definitely false	
A. This child's health is excellent	5	4	3	2	1	5416
B. This child was so sick once I thought he or she might die	5	4	3	2	1	5417
C. This child seems to resist illness very well	5	4	3	2	1	5418
D. This child seems to be less healthy than other children I know	5	4	3	2	1	5419
E. This child has never been seriously ill	5	4	3	2	1	5420
F. When there is something going around, this child usually catches it	5	4	3	2	1	5421

MEDICINES TAKEN

DO NOT
WRITE IN
THIS SPAC

35. THIS QUESTION IS ABOUT THE PRESCRIPTION MEDICINES THIS CHILD HAS TAKEN IN THE PAST 48 HOURS (2 DAYS). IT IS VERY IMPORTANT THAT YOU ANSWER ONLY FOR THAT TIME (THE PAST 48 HOURS) AND ONLY ABOUT PRESCRIPTION MEDICINES THAT THE CHILD ACTUALLY TOOK DURING THAT PERIOD.

Record Type: 5500

DID THIS CHILD TAKE ANY PRESCRIPTION MEDICINES IN THE PAST 48 HOURS?

Yes 1 —Answer 35-A-B
No 2 —Go to page 19

3244

35-A. HOW MANY DIFFERENT PRESCRIPTION MEDICINES IN THE PAST 48 HOURS? (Write in number)

3245

_____ prescription medicines

35-B. FOR EACH DIFFERENT TYPE OF MEDICINE THIS CHILD TOOK IN THE PAST 48 HOURS, PLEASE FILL IN THE INFORMATION REQUESTED IN THE BOX BELOW.

COPY THE INFORMATION FROM THE LABEL ON THE BOTTLE. IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL."

NDC Code: 5589

USE ONE BOX FOR EACH DIFFERENT TYPE OF MEDICINE.

Generic Codes: 5590

(1)

NAME OF MEDICINE: _____

5591
5592
5593
5594

INSTRUCTIONS:

Prescription Codes: 5666

HOW OFTEN DOES THE LABEL INSTRUCT THIS CHILD TO TAKE THE MEDICINE? _____

5667
5668
5669
5670

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number of teaspoons, or what). _____

Therapeutic Codes: 5595

5658
5659
5660
5661

PRESCRIPTION NUMBER: _____ No Data Entered
☐ NC

NAME OF PHARMACY (DRUG STORE): _____ Provider Code: 5502
☐ NC

PHONE NUMBER OF PHARMACY: _____ No Data Entered
☐ NC

DOSAGE (STRENGTH OF MEDICINE): _____
☐ NC

5586
5587

35. (Continued)

(2)

NAME OF MEDICINE: _____	
INSTRUCTIONS:	
HOW OFTEN DOES THE LABEL INSTRUCT THIS CHILD TO TAKE THE MEDICINE? _____	
HOW MUCH SHOULD THIS CHILD TAKE EACH TIME? (Be sure to say whether it is number of pills, number of teaspoons, or what). _____	
PREScription NUMBER: _____	NC
NAME OF PHARMACY (DRUG STORE): _____	NC
PHONE NUMBER OF PHARMACY: _____	NC
DOSAGE (STRENGTH OF MEDICINE): _____	NC

DO NOT
WRITE IN
THIS SPACE

(3)

NAME OF MEDICINE: _____	
INSTRUCTIONS:	
HOW OFTEN DOES THE LABEL INSTRUCT THIS CHILD TO TAKE THE MEDICINE? _____	
HOW MUCH SHOULD THIS CHILD TAKE EACH TIME? (Be sure to say whether it is number of pills, number of teaspoons, or what). _____	
PREScription NUMBER: _____	NC
NAME OF PHARMACY (DRUG STORE): _____	NC
PHONE NUMBER OF PHARMACY: _____	NC
DOSAGE (STRENGTH OF MEDICINE): _____	NC

35. (Continued)

(4)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

DO NOT
WRITE IN
THIS SPACE

(5)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)

FORM A MEDICINES SUPPLEMENT

Ages 0-4

NORC
CASE #:

--	--	--	--	--	--

HH:

--	--

FAMILY
UNIT #:

--

FU:

--	--

HIEI:

1	2	1
---	---	---

FILLED OUT ABOUT:

--	--

FILLED OUT BY:

--	--

--	--	--	--	--	--	--

Month

Day

Year

KEYPUNCH
VERIFICATION

--

THANK YOU.

THESE ARE ALL THE QUESTIONS WE HAVE ABOUT THIS CHILD NOW.

PLEASE FILL OUT THE 2 OR 3 ITEMS BELOW, THEN PUT THE QUESTIONNAIRE IN THE MAILING ENVELOPE.

DO NOT
WRITE IN
THIS SPACE

36. PLEASE WRITE IN THE DATE THIS QUESTIONNAIRE WAS COMPLETED:

37. IF YOU HAVE ANY COMMENTS YOU WOULD LIKE TO MAKE ABOUT THIS CHILD'S HEALTH OR ABOUT THIS QUESTIONNAIRE, PLEASE WRITE THEM IN BELOW.

38. DID THE PERSON WHO WAS ASKED TO FILL OUT THE QUESTIONNAIRE DO IT, OR DID SOMEONE ELSE FILL IT OUT?

Person who was asked 1
Someone else filled it out 2 —Answer 38-A-B

5285

- 38-A. WHAT IS THE MAIN REASON THE PERSON WHO WAS ASKED DID NOT FILL IT OUT?

(Circle one)

Can't read well enough 1
Has poor eyesight 2
Has trouble writing 3
Trouble understanding English 4
Form is too complicated 5
Is away from home 6
Some other reason 7
What?

5286

- 38-B. PLEASE WRITE IN NAME OF PERSON WHO FILLED IT OUT:

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)

FORM A

Ages 0-4

SDP:

☐

01-10/

CARD 01

11-12/

HH:

☐

13-20/

FAMILY
UNIT #:

☐

21/

#

☐

of

☐

22-23/

FU:

☐

24-31/

HIEI:

1	2	0
---	---	---

32-34/

FILLED OUT ABOUT:

☐

35-42/

FILLED OUT BY:

☐

43-50/

--	--	--	--	--	--	--	--

51-58/

Month

Day

Year

KEYPUNCH
VERIFICATION

☐

59/

REC.

Yes 1

No 2

60/

REC. COMP.

Yes 1

No 2

61/

**MEDICAL HISTORY QUESTIONNAIRE FORM A
REVISED (NONDAYTON), AGES 5-13**

NORC: 4230-MHQ
11/75
OMB #85-R-0238
Expires: 12/80

Health Insurance Study
Seattle, Washington

MEDICAL HISTORY QUESTIONNAIRE

FORM A
Ages 5-13

TO BE FILLED OUT ABOUT: _____

TO BE FILLED OUT BY: _____

(Adult in family who knows the most about this child's health)

A NOTE ABOUT THIS QUESTIONNAIRE

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, or problems filling out this questionnaire, feel free to call the following person, who will be happy to help you, or will send an interviewer to help you.

LEE TAYLOR — (206) 323-8481

INSTRUCTIONS

READ EACH QUESTION CAREFULLY.

**CIRCLE THE NUMBER OF THE ONE ANSWER THAT MOST CLOSELY
FITS THIS CHILD.**

Example:

1. HAS THIS CHILD EVER HAD A COLD?

Yes ①
No 2

**FOLLOW ANY INSTRUCTIONS NEXT TO THE NUMBER YOU CIRCLED,
WHICH TELL YOU TO GO TO ANOTHER QUESTION OR ANOTHER
PAGE.**

Example:

22. DOES THIS CHILD WEAR GLASSES?

Yes ① —Answer 22-A
No 2 —Go to 23

22-A. HOW LONG HAS THIS CHILD BEEN WEARING GLASSES?

(Circle one)

Less than 1 year ①
About 1 year 2
About 2 years 3
More than 2 years 4

**IF THERE ARE NO INSTRUCTIONS AFTER YOUR ANSWER, GO TO
THE VERY NEXT QUESTION.**

BEGIN ON THE NEXT PAGE →

HEIGHT AND WEIGHT

DO NOT
WRITE IN
THIS SPACE

1. HOW MUCH DID THIS CHILD WEIGH AT BIRTH?

_____ pounds, _____ ounces.

3600

3601

2. WAS THIS CHILD BORN PREMATURELY? (THAT IS, EARLY, OR NOT CARRIED AT LEAST 8½ MONTHS.)

(Circle one)

Yes, born prematurely 1

No, not born prematurely 2

Don't know 3

3602

3. HOW TALL IS THIS CHILD NOW, WITHOUT SHOES ON?

_____ feet, _____ inches

3620

3621

4. HOW MUCH DOES THIS CHILD WEIGH NOW, WITHOUT HEAVY CLOTHING?

_____ pounds

3622

GENERAL HEALTH

DO NOT
WRITE IN
THIS SPACE

5. IN GENERAL, WOULD YOU SAY THIS CHILD'S HEALTH IS EXCELLENT, GOOD, FAIR, OR POOR?

(Circle one)

Excellent 1
Good 2
Fair 3
Poor 4

5365

6. DURING THE PAST 3 MONTHS, HOW MUCH HAVE YOU WORRIED ABOUT THIS CHILD'S HEALTH?

(Circle one)

A great deal 1
Somewhat 2
A little 3
Not at all 4

5366

7. DURING THE PAST 3 MONTHS, HOW MUCH PAIN OR DISTRESS HAS THIS CHILD'S HEALTH CAUSED HIM OR HER?

(Circle one)

A great deal 1
Some 2
A little 3
None at all 4

5367

8. DOES THIS CHILD'S HEALTH LIMIT HIM OR HER IN ANY WAY IN USING PUBLIC TRANSPORTATION OR A BICYCLE?

(Circle one)

Yes 1 —Answer 8-A
No 2 —Go to 9,
next page

5422

- 8-A. HOW LONG HAS THIS CHILD'S HEALTH LIMITED HIM OR HER IN USING PUBLIC TRANSPORTATION OR A BICYCLE?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5423

CARD 02

9. DOES THIS CHILD NEED HELP IN GETTING AROUND THE
NEIGHBORHOOD BECAUSE OF HEALTH?

DO NOT
WRITE IN
THIS SPACE

Yes 1 —Answer 9-A
No 2 —Go to 10

5424

9-A. HOW LONG HAS THE CHILD NEEDED HELP IN GETTING AROUND
THE NEIGHBORHOOD BECAUSE OF HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5425

10. DOES THIS CHILD HAVE TO STAY INDOORS MOST OR ALL OF THE
DAY BECAUSE OF HEALTH?

Yes 1 —Answer 10-A
No 2 —Go to 11

5426

10-A. HOW LONG HAS THE CHILD HAD TO STAY INDOORS BECAUSE OF
HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5427

11. IS THIS CHILD IN BED OR A CHAIR FOR MOST OR ALL OF THE
DAY BECAUSE OF HEALTH?

Yes 1 —Answer 11-A
No 2 —Go to 12,
next page

3554

11-A. HOW LONG HAS THE CHILD BEEN IN BED OR A CHAIR FOR MOST
OR ALL OF THE DAY BECAUSE OF HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3555

12. DOES THIS CHILD'S HEALTH LIMIT THE KIND OR AMOUNT OF VIGOROUS ACTIVITIES HE OR SHE CAN DO, SUCH AS RUNNING, LIFTING HEAVY OBJECTS OR TAKING PART IN STRENUOUS SPORTS?

Yes, health limits these activities 1 —Answer 12-A
No 2 —Go to 13

DO NOT
WRITE IN
THIS SPACE

5428

- 12-A. HOW LONG HAS THE CHILD'S HEALTH LIMITED THE VIGOROUS ACTIVITIES HE OR SHE CAN DO?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5429

13. DOES THIS CHILD HAVE TROUBLE EITHER WALKING SEVERAL BLOCKS OR CLIMBING A FEW FLIGHTS OF STAIRS BECAUSE OF HEALTH?

Yes 1 —Answer 13-A
No 2 —Go to 14

5430

- 13-A. HOW LONG HAS THE CHILD HAD TROUBLE WALKING SEVERAL BLOCKS OR CLIMBING A FEW FLIGHTS OF STAIRS BECAUSE OF HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5431

14. DOES THIS CHILD HAVE TROUBLE BENDING, LIFTING, OR STOOPING BECAUSE OF HEALTH?

Yes 1 —Answer 14-A
No 2 —Go to 15,
next page

5432

- 14-A. HOW LONG HAS THE CHILD HAD TROUBLE BENDING, LIFTING, OR STOOPING?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5433

15. BECAUSE OF HEALTH, DOES THIS CHILD HAVE TROUBLE EITHER WALKING ONE BLOCK OR CLIMBING ONE FLIGHT OF STAIRS?

DO NOT
WRITE IN
THIS SPACE

Yes 1 —Answer 15-A
No 2 —Go to 16

5434

- 15-A. HOW LONG HAS THE CHILD HAD TROUBLE EITHER WALKING ONE BLOCK OR CLIMBING ONE FLIGHT OF STAIRS?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5435

16. IS THIS CHILD UNABLE TO WALK, UNLESS ASSISTED BY AN ADULT OR BY A CANE, CRUTCHES, ARTIFICIAL LIMB, OR BRACES?

Yes, unable to walk 1 —Answer 16-A
No, no trouble walking 2 —Go to 17

5436

- 16-A. HOW LONG HAS THE CHILD BEEN UNABLE TO WALK WITHOUT ASSISTANCE?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5437

17. DOES HEALTH LIMIT THIS CHILD IN ANY WAY (FROM DOING ANYTHING HE OR SHE WANTS TO DO)?

Yes 1 —Answer 17-A
No 2 —Go to 18,
next page

5372

- 17-A. HOW LONG HAS THE CHILD'S HEALTH LIMITED HIM OR HER IN DOING THINGS HE OR SHE WANTS TO DO?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5373

18. IS THIS CHILD UNABLE TO DO CERTAIN KINDS OR AMOUNTS OF SCHOOLWORK BECAUSE OF HEALTH? (Consider kindergarten or nursery school as school.)

DO NOT
WRITE IN
THIS SPACE

Yes 1 —Answer 18-A
No 2 —Go to 19

3372

- 18-A. HOW LONG HAS THE CHILD BEEN UNABLE TO DO CERTAIN KINDS OR AMOUNTS OF SCHOOLWORK BECAUSE OF HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3373

19. DOES THIS CHILD'S HEALTH KEEP HIM OR HER FROM GOING TO SCHOOL? (Consider kindergarten or nursery school as school.)

Yes 1 —Answer 19-A
No 2 —Go to 20

3547

- 19-A. HOW LONG HAS THE CHILD'S HEALTH KEPT HIM OR HER FROM GOING TO SCHOOL?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3371

20. BECAUSE OF HEALTH, DOES THIS CHILD NEED HELP WITH EATING, DRESSING, BATHING, OR USING THE TOILET?

Yes 1 —Answer 20-A
No 2 —Go to 21
next page

3376

- 20-A. HOW LONG HAS THE CHILD NEEDED HELP WITH EATING, DRESSING, BATHING, OR USING THE TOILET?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3377

FLUORIDES, DIET

DO NOT
WRITE IN
THIS SPACE

21. DOES THIS CHILD USE FLUORIDE (FLORE-eyed) IN ANY OF THESE WAYS? Please circle one number on each line.

	Yes	No	Don't know	
A. Fluoridated toothpaste?	1	2	3	5374
B. Fluoride <u>tablets</u> on a regular basis?	1	2	3	5375
C. Fluoride <u>mouthwash</u> on a regular basis?	1	2	3	5376
D. Did the child ever have his <u>teeth painted</u> with fluoride by a dentist or dental assistant?	1	2	3	5377
E. Does the child use any fluoride-vitamin preparation?	1	2	3	5378
F. Fluoride <u>drops</u> on a regular basis?	1	2	3	5379

22. HOW OFTEN DOES THIS CHILD EAT SOMETHING IN BETWEEN REGULAR MEALS?

(Circle one)

4 or more times a day	1	5380
3 times a day	2	
About twice a day	3	
Maybe once a day	4	
Occasionally, not every day	5	
Rarely or never eats between meals	6	

23. DURING THE PAST 24 HOURS, DID THIS CHILD EAT ANY OF THE FOODS LISTED BELOW? (Circle one number on each line. If the child ate even a little, circle 1 for "Yes." If he or she did not eat it at all, circle 2 for "No.")

	Yes	No	
A. Sugar-coated cereal	1	2	5381
B. Cookies, cake, pie, doughnuts	1	2	5382
C. Soda pop, cola drink	1	2	5383
D. Peanut butter	1	2	5384
E. Jelly or honey	1	2	5385
F. Raisins, figs, prunes	1	2	5386
G. Chewing gum	1	2	5387
H. Candy	1	2	5388
I. Sugar (table sugar)	1	2	5390

24. IF THE CHILD ATE ANY OF THESE FOODS IN THE PAST 24 HOURS, DID HE OR SHE EAT THEM ONLY DURING REGULAR MEALS (BREAKFAST, LUNCH OR DINNER), OR ONLY BETWEEN REGULAR MEALS, OR BOTH DURING AND BETWEEN MEALS?

(Circle one)

Regular meals only 1
Between meals only 2
Both during meals and between meals 3
Did not eat any of these foods in past 24 hours .. 4

25. DURING THE PAST 24 HOURS, HOW MANY TIMES DID THE CHILD EAT OR DRINK THE FOODS LISTED BELOW? (Circle one number on each line)

	None	One time	Twice	Three times	Four or more	Don't know
A. Milk (whole milk, skim milk, or low-fat)	0	1	2	3	4	5
B. Custard	0	1	2	3	4	5
C. Cheese	0	1	2	3	4	5
D. A milk-shake (or frappe)	0	1	2	3	4	5
E. A malted milk	0	1	2	3	4	5

DO NOT
WRITE IN
THIS SPACE

5438

5392

5393

5394

5395

5396

IMMUNIZATIONS, SAFETY

26. SINCE THIS CHILD WAS 4 YEARS OLD, HAS HE OR SHE RECEIVED THESE SHOTS OR IMMUNIZATIONS?

A.	A tetanus booster?	Yes	.....	1
		No	.....	2
B.	A polio booster?	Yes	.....	1
		No	.....	2

27. HOW MUCH OF THE TIME DOES THIS CHILD USE A SEAT BELT WHEN RIDING IN A CAR OR TRUCK?

(Circle one)

All of the time	.....	1
Most of the time	.....	2
Some of the time	.....	3
A little of the time	.....	4
None of the time	.....	5
Never rides in car or truck	.....	6

28. HOW FAR CAN THIS CHILD SWIM WITHOUT THE HELP OF AN ADULT?

(Circle one)

Can't swim at all	.....	1
Swims less than 5 feet	.....	2
Swims 5 to 15 feet	.....	3
Swims more than 15 feet	.....	4

29. HOW MUCH OF THE TIME IS THIS CHILD CAREFUL WHEN CROSSING THE STREET OR RIDING A BICYCLE?

(Circle one)

Careful all of the time	.....	1
Careful most of the time	.....	2
Careful some of the time	.....	3
Careful a little of the time	.....	4
Not careful at all	.....	5

30. DO YOU FEEL THAT DOCTORS HAVE SPENT ENOUGH TIME TALKING WITH YOU ABOUT ACCIDENT PREVENTION FOR THIS CHILD?

(Circle one)

They've spent too much time talking about this	..	1
Yes, enough time	.....	2
No, not enough time	.....	3
Haven't talked with a doctor about this	.....	4

DO NOT
WRITE IN
THIS SPACE

CARD 03

5439

5440

5397

5441

5442

5400

CARD 03

LEARNING

DO NOT
WRITE IN
THIS SPACE

31. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD DONE IN SCHOOL?

(Circle one)

- | | | |
|---|---|---------------------------|
| Not in school | 1 | } —Go to 35,
next page |
| Very well, excellent student | 2 | |
| Quite well, good student | 3 | |
| Pretty well, average student | 4 | |
| Not too well, below average student | 5 | } —Answer 32-33-34 |
| Not well at all, poor student | 6 | |

3287

32. HAVE YOU OR THIS CHILD EVER SEEN A DOCTOR ABOUT THIS CHILD'S PROBLEMS WITH SCHOOL WORK?

- | | | |
|-----------|---|--------------|
| Yes | 1 | —Answer 32-A |
| No | 2 | —Go to 33 |

5443

- 32-A. WHEN WAS THE LAST TIME YOU OR THE CHILD SAW A DOCTOR ABOUT THE CHILD'S PROBLEMS WITH SCHOOL WORK?

(Circle one)

- | | |
|----------------------------|---|
| Within past 3 months | 1 |
| 3 - 6 months ago | 2 |
| 7 - 12 months ago | 3 |
| More than 1 year ago | 4 |

5444

33. HAVE YOU OR THIS CHILD EVER TALKED WITH A TEACHER, OR COUNSELOR, OR SCHOOL NURSE ABOUT THE CHILD'S PROBLEMS WITH SCHOOL WORK?

- | | | |
|-----------|---|-------------------------|
| Yes | 1 | —Answer 33-A |
| No | 2 | —Go to 34,
next page |

5445

- 33-A. WHEN WAS THE LAST TIME YOU OR THE CHILD SAW A TEACHER, OR COUNSELOR, OR SCHOOL NURSE ABOUT THIS CHILD'S PROBLEMS WITH SCHOOL WORK?

(Circle one)

- | | |
|----------------------------|---|
| Within past 3 months | 1 |
| 3 - 6 months ago | 2 |
| 7 - 12 months ago | 3 |
| More than 1 year ago | 4 |

5446

34. DURING THE PAST 3 MONTHS, HOW MUCH HAVE YOU BEEN WORRIED OR CONCERNED ABOUT THIS CHILD'S PROBLEMS WITH SCHOOL WORK?

(Circle one)

- A great deal 1
- Somewhat 2
- A little 3
- Not at all 4

DO NOT
WRITE IN
THIS SPACE

5447

GETTING ALONG

35. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG WITH OTHER CHILDREN?

(Circle one)

- Very well, no problems 1
- Quite well, hardly any problems 2
- Pretty well, occasional problems 3
- Not too well, frequent problems 4
- Not well at all, serious problems 5

—Answer 35-A

—Go to 36,
next page

3294

35-A. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG WITH THE FAMILY?

(Circle one)

- Very well, no problems 1
- Quite well, hardly any problems 2
- Pretty well, occasional problems 3
- Not too well, frequent problems 4
- Not well at all, serious problems 5

—Answer 35-B

—Go to 37,
next page

3296

35-B. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD GOTTEN ALONG IN SCHOOL WITH TEACHER AND CLASSMATES?
(Consider nursery school or kindergarten as school)

(Circle one)

- Not in school 0
- Very well, no problems 1
- Quite well, hardly any problems 2
- Pretty well, occasional problems 3
- Not too well, frequent problems 4
- Not well at all, serious problems 5

—Go to 42,
page 18

—Go to 38,
next page

3302

36. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD
GOTTEN ALONG WITH THE FAMILY?

(Circle one)

Very well, no problems 1
Quite well, hardly any problems 2
Pretty well, occasional problems 3
Not too well, frequent problems 4
Not well at all, serious problems 5

DO NOT
WRITE IN
THIS SPACE

5448

37. DURING THE PAST 3 MONTHS, HOW WELL HAS THIS CHILD
GOTTEN ALONG IN SCHOOL WITH TEACHER AND CLASSMATES?
(Consider nursery school or kindergarten as school)

(Circle one)

Not in school 0
Very well, no problems 1
Quite well, hardly any problems 2
Pretty well, occasional problems 3
Not too well, frequent problems 4
Not well at all, serious problems 5

5449

38. HAVE YOU OR THIS CHILD EVER SEEN A DOCTOR ABOUT THIS
CHILD'S PROBLEMS IN GETTING ALONG WITH OTHERS?

Yes 1 —Answer 38-A
No 2 —Go to 39,
next page

5450

- 38-A. WHEN WAS THE LAST TIME YOU OR THE CHILD SAW A DOCTOR
ABOUT THE CHILD'S PROBLEMS IN GETTING ALONG WITH
OTHERS?

(Circle one)

Within past 3 months 1
3 - 6 months ago 2
7 - 12 months ago 3
More than 1 year ago 4

5451

39. HAVE YOU OR THIS CHILD EVER SEEN A SOCIAL WORKER, OR PSYCHOLOGIST, OR SCHOOL COUNSELOR, OR SCHOOL NURSE ABOUT THIS CHILD'S PROBLEMS IN GETTING ALONG WITH OTHERS?

Yes 1 —Answer 39-A
No 2 —Go to 40,

DO NOT
WRITE IN
THIS SPACE

5452

- 39-A. WHEN WAS THE LAST TIME YOU OR THE CHILD SAW A SOCIAL WORKER, OR PSYCHOLOGIST, OR SCHOOL COUNSELOR OR SCHOOL NURSE ABOUT THESE PROBLEMS?

(Circle one)

Within past 3 months 1
3 - 6 months ago 2
7 - 12 months ago 3
More than 1 year ago 4

5453

40. IS THIS CHILD TAKING ANY MEDICATIONS, SUCH AS RITALIN (RITT-e-in), WHICH HELPS HIM GET ALONG WITH OTHERS?

Yes 1
No 2

5454

41. DURING THE PAST 3 MONTHS, HOW MUCH HAVE YOU BEEN WORRIED OR CONCERNED ABOUT THIS CHILD'S PROBLEMS IN GETTING ALONG WITH OTHERS?

(Circle one)

A great deal 1
Somewhat 2
A little 3
Not at all 4

3303

GENERAL WELL-BEING

DO NOT
WRITE IN
THIS SPACE

THESE NEXT QUESTIONS ARE ABOUT HOW THE CHILD HAS BEEN
FEELING, DURING THIS PAST MONTH.

FOR EACH QUESTION, PLEASE CIRCLE A NUMBER FOR THE ONE ANSWER
THAT COMES CLOSEST TO THE WAY THE CHILD HAS BEEN FEELING.

42. HOW MUCH OF THE TIME DID THIS CHILD SEEM TO FEEL LONELY
DURING THE PAST MONTH?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5455

43. HOW MUCH OF THE TIME, DURING THE PAST MONTH, DID THIS
CHILD SEEM TO FEEL RELAXED AND FREE OF TENSION?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5456

44. DURING THE PAST MONTH, HOW MUCH OF THE TIME DID THIS
CHILD GENERALLY SEEM TO ENJOY THE THINGS THAT HE OR SHE
DID?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5457

45. HOW MUCH OF THE TIME, DURING THE PAST MONTH, DID THIS CHILD SEEM TO BE DEPRESSED (DOWNHEARTED OR BLUE)?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

5458

46. HOW MUCH OF THE TIME, DURING THE PAST MONTH, DID THIS CHILD SEEM TO BE ABLE TO RELAX WITHOUT DIFFICULTY?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5459

47. HOW MUCH DID THIS CHILD SEEM TO BE BOTHERED BY NERVOUSNESS OR "NERVES", DURING THE PAST MONTH?

(Circle one)

Extremely—to the point where he or she could
not go to school or do usual activities 1
Very much bothered 2
Bothered quite a bit by nerves 3
Bothered some, enough to notice 4
Bothered just a little by nerves 5
Not bothered at all by nerves 6

5460

48. DURING THE PAST MONTH, HOW MUCH OF THE TIME DID THIS CHILD SEEM TO BE RESTLESS, FIDGETY, OR IMPATIENT?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5461

CARD 03

49. DURING THE PAST MONTH, HOW MUCH OF THE TIME DID THIS CHILD SEEM TO BE MOODY OR TO BROOD ABOUT THINGS?

DO NOT
WRITE IN
THIS SPACE

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5462

50. HOW MUCH OF THE TIME, DURING THE PAST MONTH, DID THIS CHILD SEEM TO BE CHEERFUL AND LIGHTHEARTED?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5463

51. DURING THE PAST MONTH, DID THIS CHILD SEEM TO BE ANXIOUS OR WORRIED?

(Circle one)

Yes, extremely so, to the point of being
sick or almost sick 1
Yes, very much so 2
Yes, quite a bit 3
Yes, some 4
Yes, a little bit 5
No, not at all 6

5464

52. DURING THE PAST MONTH, HOW MUCH OF THE TIME DID THIS CHILD SEEM TO BE A HAPPY PERSON?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

5465

53. HOW OFTEN DURING THE PAST MONTH DID THIS CHILD SEEM TO WAKE UP FEELING FRESH AND RESTED?

(Circle one)

- All of the time 1
 Most of the time 2
 A good bit of the time 3
 Some of the time 4
 A little of the time 5
 None of the time 6

DO NOT
WRITE IN
THIS SPACE

5466

SYMPTOMS LIST

54. DURING THE PAST 30 DAYS, DID THIS CHILD HAVE ANY OF THE FOLLOWING SYMPTOMS? IF HE OR SHE DID HAVE THE SYMPTOM, DID YOU OR THE CHILD SEE A DOCTOR ABOUT IT?

PLEASE CIRCLE ONE NUMBER ON EACH LINE:

- 1 — Child did not have the symptom at all in the past 30 days
 2 — Child had the symptom, but doctor was not seen
 3 — Child had the symptom and a doctor was seen about it

No. did not have this	Had it, but did not see doctor	Had it, and saw doctor
1	2	3

- A. Chicken pox 1 2 3
 B. Stomach ache, without vomiting, for less than 24 hours 1 2 3
 C. A stomach "flu" or virus, with vomiting or diarrhea lasting at least 2 days 1 2 3
 D. An earache, or earache with fever 1 2 3
 E. An infection on the skin, without fever 1 2 3
 F. Sore throat with high fever, or tonsillitis 1 2 3
 G. Cough with a fever for at least 3 days 1 2 3
 H. Allergies (such as to grass or certain foods) without asthma 1 2 3
 I. Diarrhea (loose bowel movements) lasting for at least 3 days 1 2 3
 J. Poor eating habits 1 2 3
 K. Problems doing schoolwork or participating in school activities 1 2 3
 L. A convulsion or fit (seizure) 1 2 3
 M. Nosebleed 1 2 3
 N. A cold or runny nose without fever 1 2 3
 O. Head injury, with loss of consciousness or vomiting 1 2 3
 P. Burning or pain with urination 1 2 3

5401

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5468

CARD 03

HEALTH PERCEPTIONS

DO NOT
WRITE IN
THIS SPACE

55. PLEASE READ EACH OF THE FOLLOWING STATEMENTS, AND THEN CIRCLE ONE OF THE NUMBERS ON EACH LINE TO INDICATE WHETHER THE STATEMENT IS TRUE OR FALSE FOR THIS CHILD. THERE ARE NO RIGHT OR WRONG ANSWERS.

If a statement is definitely true for the child, circle code 5
If it is mostly true for the child, circle code 4
If you don't know whether it is true or false, circle code 3
If it is mostly false for the child, circle code 2
If it is definitely false for the child, circle code 1

SOME OF THE STATEMENTS MAY LOOK OR SEEM LIKE OTHERS.
BUT EACH STATEMENT IS DIFFERENT, AND SHOULD BE RATED BY
ITSELF.

	Definitely true	Mostly true	Don't know	Mostly false	Definitely false	
A. This child's health is excellent	5	4	3	2	1	5416
B. This child was so sick once I thought he or she might die	5	4	3	2	1	5417
C. This child seems to resist illness very well	5	4	3	2	1	5418
D. This child seems to be less healthy than other children I know	5	4	3	2	1	5419
E. This child has never been seriously ill	5	4	3	2	1	5420
F. When there is something going around, this child usually catches it	5	4	3	2	1	5421

MEDICINES TAKEN

56. THIS QUESTION IS ABOUT THE PRESCRIPTION MEDICINES THIS CHILD HAS TAKEN IN THE PAST 48 HOURS (2 DAYS). IT IS VERY IMPORTANT THAT YOU ANSWER ONLY FOR THAT TIME (THE PAST 48 HOURS) AND ONLY ABOUT PRESCRIPTION MEDICINES THAT THE CHILD ACTUALLY TOOK DURING THAT PERIOD.

DID THIS CHILD TAKE ANY PRESCRIPTION MEDICINES IN THE PAST 48 HOURS?

Yes 1 —Answer 56-A-B
No 2 —Go to page 27

56-A. HOW MANY DIFFERENT PRESCRIPTION MEDICINES IN THE PAST 48 HOURS? (Write in number)

_____ prescription medicines

56-B FOR EACH DIFFERENT TYPE OF MEDICINE THIS CHILD TOOK IN THE PAST 48 HOURS, PLEASE FILL IN THE INFORMATION REQUESTED IN THE BOXES WHICH FOLLOW.

COPY THE INFORMATION FROM THE LABEL ON THE BOTTLE.
IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL."

USE ONE BOX FOR EACH DIFFERENT TYPE OF MEDICINE.

(1)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

DO NOT
WRITE IN
THIS SPACE

3244

3245

56. (Continued)

DO NOT
WRITE IN
THIS SPACE

(2)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ ☐ NC

NAME OF PHARMACY (DRUG STORE): _____ ☐ NC

PHONE NUMBER OF PHARMACY: _____ ☐ NC

DOSAGE (STRENGTH OF MEDICINE): _____ ☐ NC

(3)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ ☐ NC

NAME OF PHARMACY (DRUG STORE): _____ ☐ NC

PHONE NUMBER OF PHARMACY: _____ ☐ NC

DOSAGE (STRENGTH OF MEDICINE): _____ ☐ NC

56. (Continued)

DO NOT
WRITE IN
THIS SPACE

(4)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

(5)

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
THIS CHILD TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD THIS CHILD TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)

FORM A MEDICINES SUPPLEMENT

Ages 5-13

NORC
CASE #:

--	--	--	--	--	--

HH:

--	--	--	--	--	--

FAMILY
UNIT #:

--

FU:

--	--	--	--	--	--

HIE:

1	1	8
---	---	---

FILLED OUT ABOUT:

--	--	--	--	--	--

FILLED OUT BY:

--	--	--	--	--	--

--	--	--	--	--	--	--	--

Month

Day

Year

KEYPUNCH
VERIFICATION

--

THANK YOU. THESE ARE ALL THE QUESTIONS WE HAVE ABOUT THIS CHILD NOW.

PLEASE FILL OUT THE 2 OR 3 ITEMS BELOW, THEN PUT THIS QUESTIONNAIRE IN THE ENVELOPE PROVIDED.

DO NOT
WRITE IN
THIS SPACE

57. PLEASE WRITE IN THE DATE THIS QUESTIONNAIRE WAS COMPLETED:

58. IF YOU HAVE ANY COMMENTS YOU WOULD LIKE TO MAKE ABOUT THIS CHILD'S HEALTH OR ABOUT THIS QUESTIONNAIRE, PLEASE WRITE THEM IN BELOW.

59. DID THE PERSON WHO WAS ASKED TO FILL OUT THE QUESTIONNAIRE DO IT, OR DID SOMEONE ELSE FILL IT OUT?

Person who was asked 1
Someone else filled it out 2

5285

59-A. WHAT IS THE MAIN REASON THE PERSON WHO WAS ASKED DID NOT FILL IT OUT?

(Circle one)

Can't read well enough 1
Has poor eyesight 2
Has trouble writing 3
Trouble understanding English 4
Form is too complicated 5
Is away from home 6
Some other reason 7
What?

5286

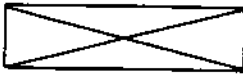
59-B. PLEASE WRITE IN NAME OF PERSON WHO FILLED IT OUT:

CARD 03

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)
FORM A **Ages 5-13**

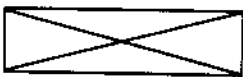
SDP:  01-10/




 11-12/

HH:  13-20/

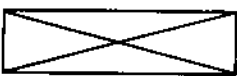
FAMILY
UNIT #:  21/

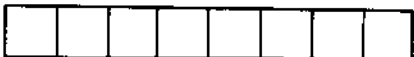
 of  22-23/

FU:  24-31/

HIEI:    32-34/

FILLED OUT ABOUT:  35-42/

FILLED OUT BY:  43-50/

 51-58/
Month Day Year

KEYPUNCH
VERIFICATION  59/

REC. Yes 1 No 2 60/
REC. COMP. Yes 1 No 2 61/

**MEDICAL HISTORY QUESTIONNAIRE FORM A
REVISED (NONDAYTON), AGES 14 AND OLDER**

NORC: 4230-MHQ
11/75
OMB #85-R-0238
Expires: 12/80

Health Insurance Study
Seattle, Washington

MEDICAL HISTORY QUESTIONNAIRE

FORM A

Ages 14 and Older

TO BE FILLED OUT ABOUT: _____

(The person named above should fill out this questionnaire, if at all possible. If he or she has trouble filling it out, someone else may help.)

A NOTE ABOUT THIS QUESTIONNAIRE

This Medical History will provide the Health Insurance Study with important information about the past and current health of participants.

The information will in no way affect your insurance. The information is strictly confidential and will not be used or released except in statistical reports (except if required by law) and will not identify you or your family.

If you have any questions, or problems filling out this questionnaire, feel free to call the following person, who will be happy to help you, or will send an interviewer to help you.

LEE TAYLOR — (206) 323-8481

INSTRUCTIONS

READ EACH QUESTION CAREFULLY.

CIRCLE THE NUMBER OF THE ONE ANSWER THAT MOST CLOSELY FITS YOU.

Example:

1. HAVE YOU EVER HAD A COLD?

Yes ①
No 2

FOLLOW ANY INSTRUCTIONS NEXT TO THE NUMBER YOU CIRCLED, WHICH TELL YOU TO GO TO ANOTHER QUESTION OR ANOTHER PAGE.

Example:

22. DO YOU SMOKE CIGARETTES NOW?

Yes ① -- Answer 22-A
No 2 -- Go to 23

22-A. ON THE AVERAGE, ABOUT HOW MANY PACKS A DAY DO YOU SMOKE NOW?

(Circle one)

Less than 1 pack ①
About 1 pack 2
About 2 packs 3
More than 2 packs 4

IF THERE ARE NO INSTRUCTIONS AFTER YOUR ANSWER, GO TO THE VERY NEXT QUESTION.

BEGIN ON THE NEXT PAGE →

HEIGHT AND WEIGHT

1. HOW TALL ARE YOU WITHOUT SHOES ON?

_____ feet _____ inches

2. HOW MUCH DO YOU WEIGH WITHOUT HEAVY CLOTHES?

_____ pounds

GENERAL HEALTH

3. IN GENERAL, WOULD YOU SAY YOUR HEALTH IS EXCELLENT, GOOD, FAIR, OR POOR?

(Circle one)

Excellent 1
Good 2
Fair 3
Poor 4

4. THINKING ABOUT THE PAST 3 MONTHS, HOW MUCH OF THE TIME HAS YOUR HEALTH KEPT YOU FROM DOING THE KINDS OF THINGS OTHER PEOPLE YOUR AGE DO?

(Circle one)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

5. DURING THE PAST 3 MONTHS, HOW MUCH PAIN HAVE YOU HAD?

(Circle one)

A great deal of pain 1
Some pain 2
A little pain 3
No pain at all 4

DO NOT
WRITE IN
THIS SPACE

3620
3621

3712

5365

3661

3663

6. DURING THE PAST 3 MONTHS, HOW MUCH HAS YOUR HEALTH WORRIED OR CONCERNED YOU?

(Circle one)

A great deal 1
Somewhat 2
A little 3
Not at all 4

DO NOT
WRITE IN
THIS SPACE

3664

7. NOW THINK ABOUT THE PAST 30 DAYS. DURING THE PAST 30 DAYS, HOW MANY DAYS HAS YOUR HEALTH KEPT YOU IN BED ALL DAY OR MOST OF THE DAY? (If none, write in "0")

_____ days in bed last month

3662

8. ARE YOU ABLE TO DRIVE A CAR?

(Circle one)

No, because of my health 1 —Answer 8-A
No, for some other reason 2 }
Yes, able to drive car 3 } —Go to 9

8800

- 8-A. HOW LONG HAVE YOU BEEN UNABLE TO DRIVE A CAR BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

8801

9. WHEN YOU TRAVEL AROUND YOUR COMMUNITY, DOES SOMEONE HAVE TO ASSIST YOU BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 9-A
No 2 —Go to 10

8802

- 9-A. HOW LONG HAVE YOU NEEDED SOMEONE TO ASSIST YOU IN TRAVELING AROUND YOUR COMMUNITY?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

8803

10. DO YOU HAVE TO STAY INDOORS MOST OR ALL OF THE DAY,
BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 10-A
No 2 —Go to 11

DO NOT
WRITE IN
THIS SPACE

5426

10-A. HOW LONG HAVE YOU HAD TO STAY INDOORS MOST OR ALL OF
THE DAY, BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5427

11. ARE YOU IN BED OR A CHAIR FOR MOST OR ALL OF THE DAY
BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 11-A
No 2 —Go to 12

3687

11-A. HOW LONG HAVE YOU BEEN IN BED OR A CHAIR FOR MOST OR
ALL OF THE DAY BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3688

12. DOES YOUR HEALTH LIMIT THE KIND OF VIGOROUS ACTIVITIES
YOU CAN DO, SUCH AS RUNNING, LIFTING HEAVY OBJECTS, OR
PARTICIPATING IN STRENUOUS SPORTS?

Yes 1 —Answer 12-A
No 2 —Go to 13,
next page

5428

12-A. HOW LONG HAS YOUR HEALTH LIMITED THE KIND OF VIGOROUS
ACTIVITIES YOU CAN DO?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5429

13. DO YOU HAVE ANY TROUBLE EITHER WALKING SEVERAL BLOCKS OR CLIMBING A FEW FLIGHTS OF STAIRS, BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 13-A
No 2 —Go to 14

DO NOT
WRITE IN
THIS SPACE

5430

- 13-A. HOW LONG HAVE YOU HAD TROUBLE WALKING SEVERAL BLOCKS OR CLIMBING A FEW FLIGHTS OF STAIRS BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5431

14. DO YOU HAVE TROUBLE BENDING, LIFTING, OR STOOPING BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 14-A
No 2 —Go to 15

5432

- 14-A. HOW LONG HAVE YOU HAD TROUBLE BENDING, LIFTING, OR STOOPING BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5433

15. DO YOU HAVE ANY TROUBLE EITHER WALKING ONE BLOCK OR CLIMBING ONE FLIGHT OF STAIRS BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 15-A
No 2 —Go to 16

5434

- 15-A. HOW LONG HAVE YOU HAD TROUBLE WALKING ONE BLOCK OR CLIMBING ONE FLIGHT OF STAIRS BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5435

16. ARE YOU UNABLE TO WALK UNLESS YOU ARE ASSISTED BY ANOTHER PERSON OR BY A CANE, CRUTCHES, ARTIFICIAL LIMBS, OR BRACES?

DO NOT
WRITE IN
THIS SPACE

Yes 1 —Answer 16-A
No 2 —Go to 17

5436

- 16-A. HOW LONG HAVE YOU BEEN UNABLE TO WALK WITHOUT ASSISTANCE?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5437

17. ARE YOU UNABLE TO DO CERTAIN KINDS OR AMOUNTS OF WORK, HOUSEWORK, OR SCHOOLWORK BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 17-A
No 2 —Go to 18

8804

- 17-A. HOW LONG HAVE YOU BEEN UNABLE TO DO CERTAIN KINDS OR AMOUNTS OF WORK, HOUSEWORK, OR SCHOOLWORK BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

8805

18. DOES YOUR HEALTH KEEP YOU FROM WORKING AT A JOB, DOING WORK AROUND THE HOUSE, OR GOING TO SCHOOL?

Yes 1 —Answer 18-A
No 2 —Go to 19,
next page

3665

- 18-A. HOW LONG HAS YOUR HEALTH KEPT YOU FROM WORKING AT A JOB, DOING WORK AROUND THE HOUSE, OR GOING TO SCHOOL?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3666

19. DO YOU NEED HELP WITH EATING, DRESSING, BATHING, OR USING
THE TOILET BECAUSE OF YOUR HEALTH?

Yes 1 —Answer 19-A
No 2 —Go to 20

DO NOT
WRITE IN
THIS SPACE

3673

19-A. HOW LONG HAVE YOU NEEDED HELP WITH EATING, DRESSING,
BATHING, OR USING THE TOILET, BECAUSE OF YOUR HEALTH?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

3674

20. DOES YOUR HEALTH LIMIT YOU IN ANY WAY FROM DOING
ANYTHING YOU WANT TO DO?

Yes 1 —Answer 20-A
No 2 —Go to 21,
next page

5372

20-A. HOW LONG HAS YOUR HEALTH LIMITED YOU IN DOING THINGS
YOU WANT TO DO?

(Circle one)

Less than 1 month 1
1 - 3 months 2
More than 3 months 3

5373

EATING HABITS AND DIET

DO NOT
WRITE IN
THIS SPACE

21. **HOW OFTEN DO YOU EAT BREAKFAST?** (Circle one)

- Almost every day 1
Sometimes 2
Rarely or never 3

3658

22. **HOW OFTEN DO YOU EAT SOMETHING IN BETWEEN YOUR REGULAR MEALS?**

(Circle one)

- About 3 times a day or more 1
About twice a day 2
Maybe once a day 3
Occasionally, not every day 4
Rarely or never eat between meals 5

3659

23. **DURING THE PAST 24 HOURS, DID YOU EAT ANY OF THE FOODS LISTED BELOW? (Circle one number on each line. If you ate even a little, circle "1" for "Yes." If you did not eat it at all, circle "2" for "No.")**

Yes	No
-----	----

- | | | | |
|----------------------------------|---|---|------|
| A. Sugar-coated cereal | 1 | 2 | 5381 |
| B. Cookies, cake, pie, doughnuts | 1 | 2 | 5382 |
| C. Soda pop, cola drink | 1 | 2 | 5383 |
| D. Peanut butter | 1 | 2 | 5384 |
| E. Jelly or honey | 1 | 2 | 5385 |
| F. Raisins, figs, prunes | 1 | 2 | 5386 |
| G. Chewing gum | 1 | 2 | 5387 |
| H. Candy | 1 | 2 | 5388 |
| I. Sugar (table sugar) | 1 | 2 | 5390 |

24. **IF YOU ATE ANY OF THESE FOODS IN THE PAST 24 HOURS, DID YOU EAT THEM ONLY DURING YOUR REGULAR MEALS (BREAKFAST, LUNCH OR DINNER), OR DID YOU EAT THEM ONLY BETWEEN YOUR REGULAR MEALS, OR DID YOU EAT THEM BOTH DURING AND BETWEEN MEALS?**

(Circle one)

- Regular meals only 1
Between meals only 2
Both during meals and between meals 3
Did not eat any of the above foods
in past 24 hours 4

5438

25. ARE YOU ON ANY KIND OF SPECIAL DIET — EITHER TO LOSE WEIGHT, OR FOR REASONS OF HEALTH?

Yes 1 —Answer 25-
A-B-C-D-E
No 2 —Go to 26,
next page

DO NOT
WRITE IN
THIS SPACE

CARD 03

3693

25-A. WHY ARE YOU ON A SPECIAL DIET? (Circle one number on each line)

	Yes	No
To lose weight	1	2
Diabetes	1	2
Kidney failure	1	2
Ulcers	1	2
High cholesterol	1	2
Heart trouble or high blood pressure	1	2
Pregnancy	1	2
Some other reason	1	2

What?

3694

3695

3696

3697

3699

3700

3701

3702

25-B. WHAT KIND OF DIET IS IT? (Circle one number on each line.)

	Yes	No
Low calorie	1	2
Low fat or cholesterol	1	2
Low protein	1	2
Low salt	1	2
Low carbohydrate	1	2
Bland diet	1	2
Some other	1	2

What?

3703

3704

3705

3706

3707

3708

3709

25-C. WAS THIS DIET ORDERED BY A DOCTOR, NURSE, CLINIC, OR DIETICIAN?

Yes 1
No 2

3710

CARD 03

25-D. HOW CAREFULLY DO YOU FOLLOW YOUR DIET? DO YOU FOLLOW IT . . .

(Circle one)

- All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

DO NOT
WRITE IN
THIS SPACE

3711

25-E. HOW MUCH BOTHER IS THIS DIET? DOES IT BOTHER YOU . . .

(Circle one)

- A great deal 1
Somewhat 2
A little 3
Not at all 4

8806

WEIGHT

26. WHAT IS THE MOST YOU HAVE EVER WEIGHED? (Women: Do not count times when you were pregnant.)

_____ pounds

3713

27. DO YOU THINK YOU WEIGH TOO MUCH NOW, OR HAS A DOCTOR OR NURSE TOLD YOU THAT YOU NOW WEIGH TOO MUCH?

- Yes 1 —Answer 27-A-B
C-D-E-F-G-H
No 2 —Go to 28,
page 14

3714

27-A. ARE YOU CURRENTLY ON A DIET TO LOSE WEIGHT?

- Yes 1
No 2

3717

27-B. ARE YOU DOING ANY SPECIAL EXERCISES TO LOSE WEIGHT?

- Yes 1
No 2

3719

27-C. ARE YOU TAKING ANY REDUCING PILLS WHICH HAVE BEEN
PRESCRIBED BY A DOCTOR?

Yes 1
No 2

DO NOT
WRITE IN
THIS SPACE

3716

27-D. ARE YOU GOING TO WEIGHT-WATCHERS, OR TO A REDUCING
SALON OR EXERCISE GYM OR HEALTH SPA TO LOSE WEIGHT?

Yes 1
No 2

3715

27-E. ARE YOU CURRENTLY UNDER THE CARE OR SUPERVISION OF A
DOCTOR TO LOSE WEIGHT?

Yes 1
No 2

3718

27-F. DURING THE PAST 3 MONTHS, HOW MUCH HAS YOUR WEIGHT
WORRIED OR CONCERNED YOU?

(Circle one)

A great deal 1
Somewhat 2
A little 3
Not at all 4

3720

27-G. DURING THE PAST 3 MONTHS, HOW MUCH PAIN HAS YOUR
WEIGHT CAUSED YOU?

(Circle one)

A great deal of pain 1
Some pain 2
A little pain 3
No pain at all 4

8807

27-H. DURING THE PAST 3 MONTHS, HOW MUCH OF THE TIME HAS
YOUR WEIGHT KEPT YOU FROM DOING THE KINDS OF THINGS
OTHER PEOPLE YOUR AGE DO?

(Circle one)

All of the time 1
Most of the time 2
Some of the time 3
A little of the time 4
None of the time 5

3721

SLEEP AND EXERCISE

DO NOT
WRITE IN
THIS SPACE

28. IN AN AVERAGE 24 HOUR PERIOD, ABOUT HOW MANY HOURS DO YOU SPEND SLEEPING?

(Circle one)

- 6 hours or less 1
7 hours 2
8 hours 3
9 hours or more 4

3864

29. HAS ANY DOCTOR RECENTLY SUGGESTED THAT YOU GET MORE EXERCISE OR PRACTICE CERTAIN EXERCISES?

- Yes 1 —Answer 29-A-B
No 2 —Go to 30,
next page

8808

29-A. WHAT IS THE REASON FOR THIS EXERCISE? (Circle one number on each line.)

	Yes	No
To improve your general health	1	2
To improve your athletic ability	1	2
To prevent heart disease	1	2
To lose weight	1	2
Treatment for sprain, sore muscle or broken bone	1	2
Treatment of arthritis	1	2
Some other reason	1	2
What? _____		

8809

8810

8811

8812

8813

8814

8815

29-B. HOW OFTEN DO YOU DO THE EXERCISE THE DOCTOR SUGGESTED?

(Circle one)

- Always, never miss 1
Most of the time 2
About half the time 3
Less than half the time 4
Never, don't do it at all 5

8816

30. SOME PEOPLE, IN THEIR JOBS OR IN THEIR WORK AROUND THE HOUSE, HAVE TO SPEND A GREAT DEAL OF TIME DOING HEAVY OR STRENUOUS WORK — LIKE LIFTING OR CARRYING HEAVY LOADS, PUSHING OR SCRUBBING THINGS, OR HANDLING HEAVY MACHINERY. OTHER PEOPLE DON'T DO ANY STRENUOUS WORK AT ALL.

IN YOUR JOB, OR IN YOUR WORK AROUND THE HOUSE, ABOUT HOW MANY HOURS DO YOU SPEND DOING HEAVY OR STRENUOUS WORK IN AN AVERAGE WEEK?

(Circle one)

None, don't do any heavy work	1
1 hour or less	2
2 to 3 hours a week	3
4 to 5 hours a week	4
6 to 10 hours a week	5
More than 10 hours a week	6

DO NOT
WRITE IN
THIS SPACE

8817

31. THEN THERE ARE JOBS OR HOUSEHOLD TASKS THAT REQUIRE A MEDIUM AMOUNT OF PHYSICAL ACTIVITY — LIKE BEING ON YOUR FEET QUITE A BIT, STOOPING, BENDING, LIFTING OR CARRYING LIGHTER LOADS, HANDLING LIGHTER TOOLS OR MACHINERY, OR IRONING CLOTHES.

IN YOUR JOB, OR IN YOUR WORK AROUND THE HOUSE, ABOUT HOW MANY HOURS DO YOU SPEND DOING THINGS THAT TAKE A MEDIUM AMOUNT OF PHYSICAL ACTIVITY IN AN AVERAGE WEEK?

(Circle one)

None, don't do any medium work	1
2 hours or less	2
3 to 5 hours a week	3
6 to 10 hours a week	4
11 to 15 hours a week	5
More than 15 hours a week	6

8818

32. IN THEIR RECREATION OR LEISURE ACTIVITIES, SOME PEOPLE SPEND A LOT OF TIME IN STRENUOUS ACTIVITY — LIKE JOGGING, OR RUNNING, PLAYING HANDBALL OR TENNIS, VIGOROUS SWIMMING, CLIMBING, HIKING, OR DOING HEAVY WORK AROUND THE HOUSE. OTHER PEOPLE DON'T ENGAGE IN THIS KIND OF STRENUOUS ACTIVITY AT ALL.

ABOUT HOW MANY HOURS DO YOU SPEND, IN AN AVERAGE WEEK, IN STRENUOUS LEISURE TIME ACTIVITIES LIKE THESE?

(Circle one)

None, don't do strenuous activity	1
1 hour or less	2
2 to 3 hours a week	3
4 to 5 hours a week	4
6 to 10 hours a week	5
More than 10 hours a week	6

8819

33. THEN THERE ARE LEISURE ACTIVITIES THAT REQUIRE A MEDIUM OR MODERATE AMOUNT OF PHYSICAL ACTIVITY — LIKE DANCING, PLAYING GOLF, GARDENING, OR WORKING WITH HOME TOOLS.

ABOUT HOW MANY HOURS DO YOU SPEND, IN AN AVERAGE WEEK, IN MEDIUM OR MODERATE LEISURE TIME ACTIVITIES LIKE THESE?

(Circle one)

- | | |
|--------------------------------------|---|
| None, don't do medium activity | 1 |
| 2 hours or less | 2 |
| 3 to 5 hours a week | 3 |
| 6 to 10 hours a week | 4 |
| 11 to 15 hours a week | 5 |
| More than 15 hours a week | 6 |

8820

34. WHICH ONE OF THESE STATEMENTS BEST DESCRIBES YOUR PHYSICAL ACTIVITY, IN GENERAL?

(Circle one)

- | | |
|--|---|
| Not very active physically,
usually just sitting or walking..... | 1 |
| Fairly active physically, moderate or strenuous
activity several times a week | 2 |
| Quite active physically, at least moderate activity
every day..... | 3 |
| Extremely active physically,
strenuous activity most days..... | 4 |

3868

SAFETY

35. DURING THE PAST 12 MONTHS, ABOUT HOW MANY MILES DID YOU DRIVE OR RIDE IN A CAR OR TRUCK?

(Circle one)

- | | |
|----------------------------------|---|
| None | 1 |
| 2,000 miles or less | 2 |
| More than 2,000 to 5,000 | 3 |
| More than 5,000 to 10,000 | 4 |
| More than 10,000 to 15,000 | 5 |
| More than 15,000 to 20,000 | 6 |
| More than 20,000 miles | 7 |

8821

36. WHEN YOU RIDE IN A CAR OR TRUCK, HOW MUCH OF THE TIME DO YOU USE A SEAT BELT?

(Circle one)

- | | |
|----------------------------------|---|
| All of the time | 1 |
| Most of the time | 2 |
| Some of the time | 3 |
| A little of the time | 4 |
| None of the time | 5 |
| Never ride in car or truck | 6 |

8822

DO NOT
WRITE IN
THIS SPACE

SMOKING

DO NOT
WRITE IN
THIS SPACE

37. DO YOU SMOKE CIGARS OR A PIPE NOW?

Yes 1
No 2

3806

38. DO YOU SMOKE CIGARETTES NOW?

Yes 1 —Answer 38-A-B-C
No 2 —Go to 39,
next page

3810

**38-A. DURING HOW MANY YEARS HAVE YOU SMOKED CIGARETTES
REGULARLY?**

(Circle one)

Less than 2 years 1
2 - 5 years 2
6 - 10 years 3
11 - 15 years 4
16 - 20 years 5
21 - 25 years 6
26 - 30 years 7
31 - 35 years 8
36 - 40 years 9
More than 40 years 0

8823

**38-B. ON THE AVERAGE, ABOUT HOW MANY PACKS A DAY DO YOU
SMOKE NOW?**

(Circle one)

Less than 1 pack a day 1
About 1 pack a day 2
About 2 packs a day 3
More than 2 packs a day 4

3812

**38-C. HAS A DOCTOR EVER TOLD YOU TO STOP OR CUT DOWN ON
YOUR SMOKING?**

Yes 1 } —Go to 40,
No 2 } page 19

8824

39. HAVE YOU EVER SMOKED CIGARETTES FAIRLY REGULARLY?

- Yes 1 --Answer 39-
A-B-C-D
No 2 --Go to 40,
next page

DO NOT
WRITE IN
THIS SPACE

3807

39-A. DURING HOW MANY YEARS DID YOU SMOKE CIGARETTES
REGULARLY?

(Circle one)

- Less than 2 years 1
2 - 5 years 2
6 - 10 years 3
11 - 15 years 4
16 - 20 years 5
21 - 25 years 6
26 - 30 years 7
31 - 35 years 8
36 - 40 years 9
More than 40 years 0

8825

39-B. ON THE AVERAGE, ABOUT HOW MANY PACKS A DAY DID YOU
USED TO SMOKE?

(Circle one)

- Less than 1 pack a day 1
About 1 pack a day 2
About 2 packs a day 3
More than 2 packs a day 4

8826

39-C. HOW LONG HAS IT BEEN SINCE YOU SMOKED CIGARETTES
REGULARLY?

(Circle one)

- 6 months or less 1
7 months to 1 year 2
More than 1 year to 2 years 3
More than 2 years to 5 years 4
More than 5 years 5

8827

39-D. DID A DOCTOR EVER TELL YOU TO STOP OR CUT DOWN ON
YOUR SMOKING?

- Yes 1
No 2

8828

DRINKING

DO NOT
WRITE IN
THIS SPACE

40. HAVE YOU EVER HAD A DRINK OF BEER, WINE, OR LIQUOR?

- Yes 1 —Answer 40-A
No 2 —Go to 53,
page 24

3814

40-A. DURING THE 12 MONTHS OF YOUR LIFE WHEN YOU DRANK THE MOST, ABOUT HOW OFTEN DID YOU DRINK BEER, WINE, OR LIQUOR?

(Circle one)

- Every day 1
Almost every day 2
3 or 4 days a week 3
1 or 2 days a week 4 } —Answer 41
1, 2 or 3 days a month 5
Less than once a month,
but more than 3 times a year 6
3 times a year or less 7 —Go to 53,
page 24

8829

41. DURING THE PAST 12 MONTHS, ABOUT HOW OFTEN DID YOU DRINK BEER, WINE, OR LIQUOR?

(Circle one)

- Every day 1
Almost every day 2
3 or 4 days a week 3
1 or 2 days a week 4 } —Answer 42,
next page
1, 2 or 3 days a month 5
Less than once a month,
but more than 3 times 6
1, 2 or 3 times 7 } —Go to 49,
page 22
Haven't had a drink in past 12 months 8

8830

42. ABOUT HOW OFTEN DO YOU CURRENTLY DRINK BEER?

(Circle one)

- | | | |
|---|---|----------------|
| Every day | 1 | } —Answer 42-A |
| Almost every day | 2 | |
| 3 or 4 days a week | 3 | |
| 1 or 2 days a week | 4 | |
| 1, 2, or 3 days a month | 5 | |
| Less than once a month,
but more than 3 times a year | 6 | } —Go to 43 |
| 3 times a year or less | 7 | |
| Don't drink beer at all | 8 | |

DO NOT
WRITE IN
THIS SPACE

8831

42-A. WHEN YOU DRINK BEER, ABOUT HOW MUCH DO YOU USUALLY
DRINK IN A DAY?

(Circle one)

- | | |
|--|---|
| 6 quarts or more (18 glasses, bottles or cans) ... | 1 |
| 4 - 5 quarts (12 - 15 glasses, bottles or cans) .. | 2 |
| 2 - 3 quarts (6 - 9 glasses, bottles or cans) | 3 |
| 1 quart (about 3 glasses, bottles or cans) | 5 |
| 2 glasses, bottles or cans | 5 |
| 1 glass, bottle or can (or less) | 6 |

3818

43. ABOUT HOW OFTEN DO YOU CURRENTLY DRINK WINE?

(Circle one)

- | | | |
|---|---|---------------------------|
| Every day | 1 | } —Answer 43-A |
| Almost every day | 2 | |
| 3 or 4 days a week | 3 | |
| 1 or 2 days a week | 4 | |
| 1, 2 or 3 days a month | 5 | |
| Less than once a month,
but more than 3 times a year | 6 | } —Go to 44,
next page |
| 3 times a year or less | 7 | |
| Don't drink wine at all | 8 | |

8832

43-A. WHEN YOU DRINK WINE, ABOUT HOW MUCH DO YOU USUALLY
DRINK IN A DAY?

(Circle one)

- | | |
|--|---|
| 3 or more bottles | 1 |
| 2 bottles | 2 |
| About 1 bottle (6 - 7 wine glasses) | 3 |
| 5 - 6 wine glasses (3 water glasses) | 4 |
| 3 - 4 wine glasses (2 water glasses) | 5 |
| 1 - 2 wine glasses (1 water glass) | 6 |

3821

44. ABOUT HOW OFTEN DO YOU CURRENTLY DRINK HARD LIQUOR —
LIKE WHISKEY, VODKA, OR GIN?

(Circle one)

- | | | |
|--|---|----------------|
| Every day | 1 | } —Answer 44-A |
| Almost every day | 2 | |
| 3 or 4 days a week | 3 | |
| 1 or 2 days a week | 4 | |
| 1, 2 or 3 days a month | 5 | |
| Less than once a month
but more than 3 times a year | 6 | |
| 3 times a year or less | 7 | } —Go to 45 |
| Don't drink hard liquor at all | 8 | |

44-A. WHEN YOU DRINK HARD LIQUOR, ABOUT HOW MUCH DO YOU
USUALLY DRINK IN A DAY?

(Circle one)

- | | |
|--|---|
| More than 1 quart or fifth | 1 |
| About 1 quart or fifth | 2 |
| More than 1 pint but less than 1 quart | 3 |
| About 1 pint | 4 |
| 11 - 15 ounces or shots | 5 |
| 7 - 10 ounces or shots | 6 |
| 4 - 6 ounces or shots | 7 |
| 1 - 3 ounces or shots | 8 |

45. DURING THE PAST 3 MONTHS, HOW MUCH HAS YOUR DRINKING
WORRIED OR CONCERNED YOU?

(Circle one)

- | | |
|--------------------|---|
| A great deal | 1 |
| Somewhat | 2 |
| A little | 3 |
| Not at all | 4 |

46. DURING THE PAST 3 MONTHS, HOW MUCH OF THE TIME HAS
YOUR DRINKING KEPT YOU FROM DOING THE KINDS OF THINGS
OTHER PEOPLE YOUR AGE DO?

(Circle one)

- | | |
|----------------------------|---|
| All of the time | 1 |
| Most of the time | 2 |
| Some of the time | 3 |
| A little of the time | 4 |
| None of the time | 5 |

DO NOT
WRITE IN
THIS SPACE

CARD 04

8833

3822

3823

3824

CARD 04

47. DURING THE PAST 30 DAYS, HOW MANY DAYS HAS YOUR DRINKING KEPT YOU IN BED ALL DAY OR MOST OF THE DAY?
(If none, write in "0")

_____ days in bed last month

DO NOT
WRITE IN
THIS SPACE

3825

48. ARE YOU CURRENTLY DOING ANYTHING TO CUT DOWN OR TO STOP YOUR DRINKING?

Yes 1 —Answer 48-A
No 2 —Go to 49

8834

- 48-A. WHAT ARE YOU DOING TO CUT DOWN OR STOP YOUR DRINKING?
(Circle one number on each line.)

	Yes	No
Going to AA (Alcoholics Anonymous)	1	2
Seeing a psychologist or psychiatrist	1	2
Seeing a doctor	1	2
Talking to a social worker or counselor	1	2
Taking medication (Antabuse, etc.)	1	2
Using will power, saying No	1	2
Other	1	2
What? _____		

8835

8836

8837

8838

8839

8840

8841

49. A. HAS A DOCTOR EVER TOLD YOU TO STOP OR CUT DOWN ON YOUR DRINKING?

Yes 1
No 2

3826

- B. HAS A DOCTOR EVER SAID YOU HAD CIRRHOSIS (seer-ROE-sis) OF THE LIVER, ALCOHOLIC LIVER DISEASE, OR "FATTY LIVER"?

Yes 1
No 2

3837

- C. HAVE YOU EVER HAD D.T.'S, DELIRIUM TREMENS (dii-LEER-ee-um-TREM-ens)?

Yes 1
No 2

8842

50. HAVE YOU EVER HAD AN ACCIDENT, WHICH REQUIRED MEDICAL ATTENTION, WHILE UNDER THE INFLUENCE OF LIQUOR, LIKE FALLING DOWN STAIRS OR BEING HIT BY A CAR?

Yes 1
No 2

DO NOT
WRITE IN
THIS SPACE

8843

51. HAVE YOU EVER HAD A TRAFFIC ACCIDENT, OR BEEN STOPPED BY POLICE, WHILE DRIVING UNDER THE INFLUENCE OF LIQUOR?

Yes 1
No 2

8844

52. HAVE YOU EVER STOPPED DRINKING COMPLETELY?

Yes 1 —Answer 52-A
No 2 —Go to 53,
next page

3835

52-A. HOW LONG DID YOU STOP COMPLETELY, THE LAST TIME YOU STOPPED?

(Circle one)

Less than 2 weeks 1
2 weeks but less than 1 month 2
1 month but less than 3 months 3
3 months but less than 6 months 4
6 months but less than 1 year 5
1 year or more 6

3836

GENERAL WELL-BEING

DO NOT
WRITE IN
THIS SPACE

THESE NEXT QUESTIONS ARE ABOUT HOW YOU FEEL, AND HOW THINGS
HAVE BEEN WITH YOU MOSTLY WITHIN THE PAST MONTH.

FOR EACH QUESTION, PLEASE CIRCLE A NUMBER FOR THE ONE ANSWER
THAT COMES CLOSEST TO THE WAY YOU HAVE BEEN FEELING.

53. HOW HAPPY, SATISFIED, OR PLEASED HAVE YOU BEEN WITH YOUR
PERSONAL LIFE DURING THE PAST MONTH?

(Circle one)

- Extremely happy, could not have been
more satisfied or pleased..... 1
- Very happy most of the time 2
- Generally satisfied, pleased 3
- Sometimes fairly satisfied, sometimes fairly unhappy. 4
- Generally dissatisfied, unhappy 5
- Very dissatisfied, unhappy most of the time 6

3942

54. HOW MUCH OF THE TIME HAVE YOU FELT LONELY DURING THE
PAST MONTH?

(Circle one)

- All of the time 1
- Most of the time 2
- A good bit of the time 3
- Some of the time 4
- A little of the time 5
- None of the time 6

4477

55. HOW OFTEN DID YOU BECOME NERVOUS OR JUMPY WHEN FACED
WITH EXCITEMENT OR UNEXPECTED SITUATIONS DURING THE
PAST MONTH?

(Circle one)

- Always 1
- Very often 2
- Fairly often 3
- Sometimes 4
- Almost never 5
- Never 6

8845

56. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU FELT THAT THE FUTURE LOOKS HOPEFUL AND PROMISING?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

8846

57. HOW OFTEN DO YOU EAT TOO MUCH?

(Circle one)

Very often 1
Fairly often 2
Sometimes 3
Almost never 4
Never 5

8847

58. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAS YOUR DAILY LIFE BEEN FULL OF THINGS THAT WERE INTERESTING TO YOU?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

3956

59. HOW MUCH OF THE TIME, DURING THE PAST MONTH, DID YOU FEEL RELAXED AND FREE OF TENSION?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

8848

60. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU
GENERALLY ENJOYED THE THINGS YOU DO?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

8849

61. DURING THE PAST MONTH, HAVE YOU HAD ANY REASON TO
WONDER IF YOU WERE LOSING YOUR MIND, OR LOSING CONTROL
OVER THE WAY YOU ACT, TALK, THINK, FEEL OR OF YOUR
MEMORY?

(Circle one)

- No, not at all 1
Maybe a little 2
Yes, but not enough to be concerned
or worried about it 3
Yes, and I have been a little concerned 4
Yes, and I am quite concerned 5
Yes, and I am very much concerned about it 6

3948

62. IN GENERAL, WOULD YOU SAY YOUR MORALS HAVE BEEN ABOVE
REPROACH?

(Circle one)

- Yes, definitely 1
Yes, probably 2
I don't know 3
Probably not 4
Definitely not 5

8850

63. DID YOU FEEL DEPRESSED DURING THE PAST MONTH?

(Circle one)

- Yes, to the point that I did not care about
anything for days at a time 1
Yes, very depressed almost every day 2
Yes, quite depressed several times 3
Yes, a little depressed now and then 4
No, never felt depressed at all 5

8851

64. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU FELT LOVED AND WANTED?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

4491

65. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAVE YOU BEEN A VERY NERVOUS PERSON?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

8852

66. WHEN YOU GOT UP IN THE MORNING, THIS PAST MONTH, ABOUT HOW OFTEN DID YOU EXPECT TO HAVE AN INTERESTING DAY?

(Circle one)

Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8853

67. HOW OFTEN HAVE THERE BEEN TIMES IN YOUR LIFE WHEN YOU FELT YOU ACTED LIKE A COWARD?

(Circle one)

Very often 1
Fairly often 2
Sometimes 3
Almost never 4
Never 5

8854

68. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU FELT TENSE OR "HIGH-STRUNG"?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

8855

69. DURING THE PAST MONTH, HAVE YOU BEEN IN FIRM CONTROL OF YOUR BEHAVIOR, THOUGHTS, EMOTIONS, FEELINGS?

(Circle one)

Yes, very definitely 1
Yes, for the most part 2
Yes, I guess so 3
No, not too well 4
No, and I am somewhat disturbed 5
No, and I am very disturbed 6

3944

70. DURING THE PAST MONTH, HOW OFTEN DID YOUR HANDS SHAKE WHEN YOU TRIED TO DO SOMETHING?

(Circle one)

Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8856

71. DURING THE PAST MONTH, HOW OFTEN DID YOU FEEL THAT YOU HAD NOTHING TO LOOK FORWARD TO?

(Circle one)

Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8857

72. WOULD YOU SAY THAT YOU GIVE EVERY PENNY YOU CAN TO CHARITY?

(Circle one)

- Yes, definitely 1
Yes, for the most part 2
Yes, I try 3
No 4

DO NOT
WRITE IN
THIS SPACE

8858

73. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAVE YOU FELT CALM AND PEACEFUL?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

4479

74. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAVE YOU FELT EMOTIONALLY STABLE?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

3958

75. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAVE YOU FELT DOWNHEARTED AND BLUE?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

3954

76. HOW OFTEN HAVE YOU FELT LIKE CRYING, DURING THE PAST MONTH?

(Circle one)

- Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

DO NOT
WRITE IN
THIS SPACE

8859

77. IN CHOOSING YOUR FRIENDS, HOW IMPORTANT TO YOU ARE THINGS LIKE THEIR RACE, THEIR RELIGION, OR THEIR POLITICAL BELIEFS?

(Circle one)

- Always very important 1
Almost always important 2
Usually important 3
Not too important 4
Hardly ever important 5
Not important at all 6

8860

78. DURING THE PAST MONTH, HOW OFTEN DID YOU FEEL THAT OTHERS WOULD BE BETTER OFF IF YOU WERE DEAD?

(Circle one)

- Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8861

79. HOW MUCH OF THE TIME, DURING THE PAST MONTH, WERE YOU ABLE TO RELAX WITHOUT DIFFICULTY?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

8862

80. DURING THE PAST MONTH, HOW MUCH OF THE TIME DID YOU FEEL THAT YOUR LOVE RELATIONSHIPS, LOVING AND BEING LOVED, WERE FULL AND COMPLETE?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

8863

81. HOW OFTEN, DURING THE PAST MONTH, DID YOU FEEL THAT NOTHING TURNED OUT FOR YOU THE WAY YOU WANTED IT TO?

(Circle one)

Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8864

82. HOW MUCH HAVE YOU BEEN BOTHERED BY NERVOUSNESS, OR YOUR "NERVES," DURING THE PAST MONTH?

(Circle one)

Extremely so, to the point where I could
not take care of things..... 1
Very much bothered 2
Bothered quite a bit by nerves 3
Bothered some, enough to notice 4
Bothered just a little by nerves 5
Not bothered at all by this 6

3939

83. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAS LIVING BEEN A WONDERFUL ADVENTURE FOR YOU?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

8865

84. IF IT IS MORE CONVENIENT FOR YOU TO DO SO, HOW OFTEN
WILL YOU TELL A LIE?

(Circle one)

- Very often tell a lie 1
Fairly often 2
Sometimes tell a lie 3
Almost never 4
Never tell a lie 5

DO NOT
WRITE IN
THIS SPACE

8866

85. HOW OFTEN, DURING THE PAST MONTH, HAVE YOU FELT SO
DOWN IN THE DUMPS THAT NOTHING COULD CHEER YOU UP?

(Circle one)

- Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8867

86. DURING THE PAST MONTH, DID YOU EVER THINK ABOUT TAKING
YOUR OWN LIFE?

(Circle one)

- Yes, very often 1
Yes, fairly often 2
Yes, a couple of times 3
Yes, at one time 4
No, never 5

8868

87. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU
FELT RESTLESS, FIDGETY, OR IMPATIENT?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

4486

88. HOW OFTEN HAVE YOU DONE ANYTHING OF A SEXUAL NATURE
THAT SOCIETY DOES NOT APPROVE OF?

(Circle one)

- Very often 1
Fairly often 2
Sometimes 3
Almost never 4
Never 5

DO NOT
WRITE IN
THIS SPACE

8869

89. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU
BEEN MOODY OR BROODED ABOUT THINGS?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

4483

90. HOW MUCH OF THE TIME, DURING THE PAST MONTH, HAVE YOU
FELT CHEERFUL, LIGHT-HEARTED?

(Circle one)

- All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

3959

91. DURING THE PAST MONTH, HOW OFTEN DID YOU GET RATTLED,
UPSET, OR FLUSTERED?

(Circle one)

- Always 1
Very often 2
Fairly often 3
Sometimes 4
Almost never 5
Never 6

8870

92. ARE YOUR TABLE MANNERS AT HOME JUST AS GOOD AS THEY ARE WHEN YOU ARE INVITED OUT TO DINNER?

(Circle one)

- Yes, always just as good 1
- Yes, with rare exceptions 2
- Yes, usually just as good 3
- No, usually worse at home 4
- No, quite a bit worse at home 5
- No, very bad at home 6

DO NOT
WRITE IN
THIS SPACE

8871

93. DURING THE PAST MONTH, HAVE YOU BEEN ANXIOUS OR WORRIED?

(Circle one)

- Yes, extremely so, to the point
of being sick or almost sick 1
- Yes, very much so 2
- Yes, quite a bit 3
- Yes, some, enough to bother me 4
- Yes, a little bit 5
- No, not at all 6

3946

94. DURING THE PAST MONTH, HOW MUCH OF THE TIME WERE YOU A HAPPY PERSON?

(Circle one)

- All of the time 1
- Most of the time 2
- A good bit of the time 3
- Some of the time 4
- A little of the time 5
- None of the time 6

8872

95. HOW OFTEN DURING THE PAST MONTH DID YOU FIND YOURSELF HAVING DIFFICULTY TRYING TO CALM DOWN?

(Circle one)

- Always 1
- Very often 2
- Fairly often 3
- Sometimes 4
- Almost never 5
- Never 6

8873

96. DURING THE PAST MONTH, HOW MUCH OF THE TIME HAVE YOU BEEN IN LOW OR VERY LOW SPIRITS?

(Circle one)

All of the time 1
Most of the time 2
A good bit of the time 3
Some of the time 4
A little of the time 5
None of the time 6

DO NOT
WRITE IN
THIS SPACE

8874

97. HOW OFTEN, DURING THE PAST MONTH, HAVE YOU BEEN WAKING UP FEELING FRESH AND RESTED?

(Circle one)

Always, every day 1
Almost every day 2
Most days 3
Some days, but usually not 4
Hardly ever 5
Never wake up feeling rested 6

3957

98. DURING THE PAST MONTH, HAVE YOU BEEN UNDER OR FELT YOU WERE UNDER ANY STRAIN, STRESS, OR PRESSURE?

(Circle one)

Yes, almost more than I could stand or bear 1
Yes, quite a bit of pressure 2
Yes, some, more than usual 3
Yes, some, but about normal 4
Yes, a little bit 5
No, not at all 6

8875

SOCIAL ACTIVITIES

99. ABOUT HOW MANY FAMILIES IN YOUR NEIGHBORHOOD ARE YOU WELL ENOUGH ACQUAINTED WITH, THAT YOU VISIT EACH OTHER IN YOUR HOMES?

_____ families

100. ABOUT HOW MANY CLOSE FRIENDS DO YOU HAVE—PEOPLE YOU FEEL AT EASE WITH AND CAN TALK WITH ABOUT WHAT IS ON YOUR MIND? (YOU MAY INCLUDE RELATIVES.) (Enter number on line)

_____ close friends

101. OVER A YEAR'S TIME, ABOUT HOW OFTEN DO YOU GET TOGETHER WITH FRIENDS OR RELATIVES, LIKE GOING OUT TOGETHER OR VISITING IN EACH OTHER'S HOMES? (Circle one)

Every day 1
Several days a week 2
About once a week 3
2 or 3 times a month 4
About once a month 5
5 to 10 times a year 6
Less than 5 times a year 7

102. DURING THE PAST MONTH, ABOUT HOW OFTEN HAVE YOU HAD FRIENDS OVER TO YOUR HOME? (DO NOT COUNT RELATIVES.) (Circle one)

Every day 1
Several days a week 2
About once a week 3
2 or 3 times in past month 4
Once in past month 5
Not at all in past month 6

103. ABOUT HOW OFTEN HAVE YOU VISITED WITH FRIENDS AT THEIR HOMES DURING THE PAST MONTH? (DO NOT COUNT RELATIVES.) (Circle one)

Every day 1
Several days a week 2
About once a week 3
2 or 3 times in past month 4
Once in past month 5
Not at all in past month 6

DO NOT
WRITE IN
THIS SPACE

CARD 05

8876

8877

8878

8879

8880

CARD 05

104. ABOUT HOW OFTEN WERE YOU ON THE TELEPHONE WITH CLOSE FRIENDS OR RELATIVES DURING THE PAST MONTH?

(Circle one)

- Every day 1
Several times a week 2
About once a week 3
2 or 3 times 4
Once 5
Not at all 6

DO NOT
WRITE IN
THIS SPACE

8881

105. ABOUT HOW OFTEN DID YOU WRITE A LETTER TO A FRIEND OR RELATIVE DURING THE PAST MONTH?

(Circle one)

- Every day 1
Several times a week 2
About once a week 3
2 or 3 times in past month 4
Once in past month 5
Not at all in past month 6

8882

106. IN GENERAL, HOW WELL ARE YOU GETTING ALONG WITH OTHER PEOPLE THESE DAYS—WOULD YOU SAY BETTER THAN USUAL, ABOUT THE SAME, OR NOT AS WELL AS USUAL?

(Circle one)

- Better than usual 1
About the same 2
Not as well as usual 3

8883

107. HOW OFTEN HAVE YOU ATTENDED A RELIGIOUS SERVICE DURING THE PAST MONTH?

(Circle one)

- Every day 1
More than once a week 2
Once a week 3
2 or 3 times in past month 4
Once in past month 5
Not at all in past month 6

8884

108. ABOUT HOW MANY VOLUNTARY GROUPS OR ORGANIZATIONS DO YOU BELONG TO—LIKE CHURCH GROUPS, CLUBS OR LODGES, PARENT GROUPS, ETC. ("Voluntary" means because you want to.)

_____ groups or
organizations

(Write in number.
If none, enter "0")

8885

109. HOW ACTIVE ARE YOU IN THE AFFAIRS OF THESE GROUPS OR CLUBS YOU BELONG TO? (If you belong to a great many, just count those you feel closest to. If you don't belong to any, circle 4.)

(Circle one)

Very active, attend most meetings 1
Fairly active, attend fairly often 2
Not active, belong but hardly ever go 3
Do not belong to any groups or clubs 4

DO NOT
WRITE IN
THIS SPACE

8886

LIFE EVENTS

110. DURING THE PAST 5 YEARS, HAVE YOU WORKED AT ANY JOB FOR PAY, EITHER FULL-TIME OR PART-TIME?

Yes 1 —Answer 110-A
No 2 —Go to 112,
next page

8887

- 110-A. DURING THE PAST 5 YEARS, HOW MANY DIFFERENT JOBS HAVE YOU HAD (JOBS WITH DIFFERENT EMPLOYERS?) (If self-employed, count that as 1)

(Circle one)

One 1
Two 2
Three 3
Four 4
Five or more 5

8888

111. DURING THE PAST 6 MONTHS, HAVE YOU WORKED AT ANY JOB FOR PAY, EITHER FULL-TIME OR PART-TIME?

Yes 1 —Answer 111-A-B
No 2 —Go to 112

8889

- 111-A. DURING THE PAST 6 MONTHS, HAVE YOU BEEN FIRED, OR LAID OFF, FROM ANY JOB?

(Circle one)

Yes, fired 1
Yes, laid off 2
No 3

8890

- 111-B. DURING THE PAST 6 MONTHS, HAS THERE BEEN ANY MAJOR CHANGE IN YOUR RESPONSIBILITIES AT WORK?

(Circle one)

Yes, a lot more responsibility 1
Yes, a little more responsibility 2
No, about the same 3
Yes, a little less responsibility 4
Yes, a lot less responsibility 5

8891

112. DURING THE PAST 6 MONTHS, HAS THERE BEEN ANY MAJOR CHANGE IN YOUR RESPONSIBILITIES AT HOME?

(Circle one)

- Yes, a lot more responsibility 1
Yes, a little more responsibility 2
No, about the same 3
Yes, a little less responsibility 4
Yes, a lot less responsibility 5

DO NOT
WRITE IN
THIS SPACE

8892

113. HAVE YOU EVER BEEN MARRIED? IF YES, HOW MANY TIMES?

(Circle one)

- Never married 1 —Go to 115,
next page
1 marriage 2 }
2 marriages 3 } —Answer 114
3 or more marriages 4 }

8893

114. ARE YOU CURRENTLY MARRIED?

- Yes 1 —Answer 114-A-B
No 2 —Go to 115,
next page

8894

114-A. DURING THE PAST 6 MONTHS, WOULD YOU SAY THAT YOU AND YOUR SPOUSE HAVE BEEN ARGUING WITH EACH OTHER MORE THAN USUAL, OR LESS THAN USUAL?

(Circle one)

- Much more than usual 1
A little more than usual 2
About the same 3
A little less than usual 4
Much less than usual 5

8895

114-B. HOW ABOUT YOUR IN-LAWS—DURING THE PAST 6 MONTHS, WOULD YOU SAY YOU HAVE BEEN ARGUING WITH YOUR IN-LAWS MORE THAN USUAL, OR LESS THAN USUAL?

(Circle one)

- Much more than usual 1
A little more than usual 2
About the same 3 } —Go to 116,
A little less than usual 4 } next page
Much less than usual 5
Don't have any in-laws 6

8896

ANSWER ONLY IF YOU ARE NOT CURRENTLY MARRIED:

DO NOT
WRITE IN
THIS SPACE

115. DURING THE PAST 6 MONTHS, HAVE YOU HAD ANY SPECIAL GIRLFRIEND OR BOYFRIEND?

- Yes 1 —Answer 115-A-B
No 2 —Go to 116

3991

115-A. DURING THE PAST 6 MONTHS, WOULD YOU SAY THAT YOU AND YOUR GIRLFRIEND/BOYFRIEND HAVE BEEN ARGUING WITH EACH OTHER MORE THAN USUAL, OR LESS THAN USUAL?

(Circle one)

- Much more than usual 1
A little more than usual 2
About the same 3
A little less than usual 4
Much less than usual 5

8897

115-B. AT ANY TIME IN THE PAST 6 MONTHS, DID YOU SPLIT UP WITH YOUR GIRLFRIEND/BOYFRIEND?

(Circle one)

- Yes, but got together again 1
Yes, still separated 2
No, did not split up 3

8898

116. DURING THE PAST 6 MONTHS, HAVE YOU BEEN ARGUING WITH YOUR PARENTS MORE THAN USUAL OR LESS THAN USUAL?

(Circle one)

- Much more than usual 1
A little more than usual 2
About the same 3
A little less than usual 4
Much less than usual 5
Don't have any living parents 6

8899

117. DURING THE PAST 6 MONTHS, HAVE THERE BEEN ANY MAJOR CHANGES IN YOUR PERSONAL HABITS—THAT IS, THE WAY YOU TALK, DRESS, EAT, OR SPEND YOUR TIME?

(Circle one)

- Yes, changes for the better 1
Yes, changes for the worse 2
No, no major changes 3

8900

118- A. WITHIN THE PAST 6 MONTHS, DID ANY CLOSE FAMILY MEMBER DIE?

Yes 1
No 2

B. WITHIN THE PAST 6 MONTHS, DID ANY CLOSE FRIEND OF YOURS DIE?

Yes 1
No 2

119. DURING THE PAST 6 MONTHS, HAVE THERE BEEN ANY MAJOR CHANGES IN YOUR LIVING CONDITIONS—LIKE MOVING TO A NEW PLACE, OR THE NEIGHBORHOOD GETTING BETTER OR WORSE, OR YOUR HOUSE OR APARTMENT IN BETTER OR WORSE SHAPE?

(Circle one)

Yes, much better now 1
Yes, a little better now 2
No, no major changes 3
Yes, a little worse now 4
Yes, much worse now 5

120. DURING THE PAST 5 YEARS, HOW MANY DIFFERENT HOMES (HOUSES, APARTMENTS, TRAILERS, ETC.) HAVE YOU LIVED IN, INCLUDING THE ONE YOU LIVE IN NOW? (Enter number on line)

_____ homes in past 5 years

121. DURING THE PAST 6 MONTHS, WERE YOU PHYSICALLY ATTACKED OR ASSAULTED IN ANY WAY BY ANOTHER PERSON—LIKE IN A FIST FIGHT, OR BEING BEATEN UP OR MUGGED?

Yes 1
No 2

122. DURING THE PAST 6 MONTHS, DID ANYONE ROB OR STEAL SOMETHING FROM YOU—THAT IS, ROB YOU ON THE STREET OR TAKE MONEY OR PROPERTY FROM YOUR HOME OR CAR?

Yes 1
No 2

DO NOT
WRITE IN
THIS SPACE



3999

4000

8901

3910

8902

8903

CARD 05

123. DURING THE PAST 6 MONTHS, WERE YOU IN ANY KIND OF ACCIDENT WHICH INVOLVED PROPERTY DAMAGE, BUT NO PERSONAL INJURIES?

Yes 1
No 2

DO NOT
WRITE IN
THIS SPACE

8904

124. DURING THE PAST 6 MONTHS, DID YOU HAVE ANY LEGAL PROBLEMS?

(Circle one)

Yes, very serious 1
Yes, fairly serious 2
Yes, but not serious 3
No legal problems 4

8905

125. AT ANY TIME IN THE PAST 6 MONTHS, WERE YOU ATTENDING SCHOOL AS A FULL-TIME STUDENT?

Yes 1 —Answer 125-A-B
No 2 —Go to 126

8906

125-A. DID YOU CHANGE TO A NEW SCHOOL DURING THE PAST 6 MONTHS?

Yes 1
No 2

4008

125-B. DID YOU HAVE TO LEAVE SCHOOL DURING THE PAST 6 MONTHS?

(Circle one)

Yes, because of academic failure 1
Yes, because of suspension 2
Yes, for personal or financial reasons 3
Yes, because of graduation 4
No, did not have to leave school 5

8907

126. DURING THE NEXT 6 MONTHS, DO YOU EXPECT TO HAVE ANY PROBLEMS MAKING PAYMENTS ON ANY DEBTS OR FINANCIAL OBLIGATIONS YOU HAVE—LIKE TAXES, MORTGAGE PAYMENTS, CONSUMER LOANS OR INSTALLMENT DEBT?

(Circle one)

Yes, definitely expect problems 1
Yes, might have problems 2
No, not very likely 3
No, definitely no problems 4

8908

SYMPTOMS LIST

DO NOT
WRITE IN
THIS SPACE

127. DURING THE PAST 30 DAYS, DID YOU HAVE ANY OF THE FOLLOWING SYMPTOMS? IF YOU DID HAVE THE SYMPTOM, DID YOU SEE A DOCTOR ABOUT IT?

PLEASE CIRCLE ONE NUMBER ON EACH LINE:

- 1 — You did not have the symptom at all in the past 30 days.
- 2 — You had the symptom, but did not see a doctor about it.
- 3 — You had the symptom and you did see a doctor about it.

DURING THE PAST 30 DAYS,
DID YOU HAVE . . .

	No. did not have this	Had it, but did not see doctor	Had it, and saw doctor	
A. A cough, without fever, which lasted at least 3 weeks	1	2	3	8909
B. A sore throat or cold, with fever, lasting more than 3 days	1	2	3	8910
C. A weight loss of more than 10 pounds (unless you were dieting)	1	2	3	8911
D. An upset stomach, for less than 24 hours	1	2	3	8912
E. Stiffness, pain or swelling of joints, lasting more than 2 weeks	1	2	3	8913
F. Backaches or sciatica	1	2	3	8914
G. Trouble falling asleep at night	1	2	3	8915
H. Getting up exhausted in the mornings, even with the usual amount of sleep	1	2	3	8916
I. A skin rash, or breaking out on any part of the body	1	2	3	8917
J. Shortness of breath with light exercise or light work	1	2	3	8918
K. Chest pain when exercising	1	2	3	8919
L. Your nose stopped up, or sneezing or allergies for 2 weeks or more	1	2	3	8920
M. Swollen ankles when you wake up	1	2	3	8921
N. Headaches almost every day	1	2	3	8922

**DURING THE PAST 30 DAYS,
DID YOU HAVE . . .**

	No. did not have this	Had it, but did not see doctor	Had it, and saw doctor
O. A cough without fever, which lasted for less than a week	1	2	3
P. Loss of consciousness, fainting, or passing out	1	2	3
Q. Acid indigestion or heartburn after many meals	1	2	3
R. A sprained ankle, but you could still walk	1	2	3
S. A toothache (Did you see a dentist for this?)	1	2	3
T. Stomach "flu" or virus (gastroenteritis) with vomiting or diarrhea	1	2	3
U. Bleeding (other than nose bleed or periods) not caused by accident or injury	1	2	3
V. An eye infection	1	2	3
W. Feeling nervous or anxious most of the time	1	2	3
X. Feeling depressed or sad most of the time	1	2	3
Y. Men Only: Difficulty passing urine, or prostate trouble	1	2	3
Z. Women Only: Difficulty controlling urine, or bladder or kidney problems	1	2	3
AA. Women Only: Irregular periods, or bleeding between periods	1	2	3

DO NOT
WRITE IN
THIS SPACE
CARD 06

8923

8924

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8935

HEALTH PERCEPTIONS

DO NOT
WRITE IN
THIS SPACE

128. PLEASE READ EACH OF THE FOLLOWING STATEMENTS, AND THEN CIRCLE ONE OF THE NUMBERS ON EACH LINE TO INDICATE WHETHER THE STATEMENT IS TRUE OR FALSE FOR YOU.

THERE ARE NO RIGHT OR WRONG ANSWERS.

If a statement is definitely true for you, circle 5.
If it is mostly true for you, circle 4.
If you don't know whether it is true or false, circle 3.
If it is mostly false for you, circle 2.
If it is definitely false for you, circle 1.

SOME OF THE STATEMENTS MAY LOOK OR SEEM LIKE OTHERS. BUT EACH STATEMENT IS DIFFERENT, AND SHOULD BE RATED BY ITSELF.

	Definitely true	Mostly true	Don't know	Mostly false	Definitely false	
A. According to the doctors I've seen, my health is now excellent	5	4	3	2	1	8936
B. I try to avoid letting illness interfere with my life	5	4	3	2	1	8937
C. I seem to get sick a little easier than other people	5	4	3	2	1	8938
D. I feel better now than I ever have before	5	4	3	2	1	8939
E. I will probably be sick a lot in the future	5	4	3	2	1	8940
F. I never worry about my health	5	4	3	2	1	8941
G. Most people get sick a little easier than I do	5	4	3	2	1	8942
H. I don't like to go to the doctor	5	4	3	2	1	8943
I. I am somewhat ill	5	4	3	2	1	8944
J. In the future, I expect to have better health than other people I know	5	4	3	2	1	8945
K. I was so sick once I thought I might die	5	4	3	2	1	8946
L. I'm not as healthy now as I used to be	5	4	3	2	1	8947
M. I worry about my health more than other people worry about their health	5	4	3	2	1	8948

	Definitely true	Mostly true	Don't know	Mostly false	Definitely false	
N. When I'm sick, I try to just keep going as usual	5	4	3	2	1	8949
O. My body seems to resist illness very well	5	4	3	2	1	8950
P. Getting sick once in a while is a part of my life	5	4	3	2	1	8951
Q. I'm as healthy as anybody I know	5	4	3	2	1	8952
R. I think my health will be worse in the future than it is now	5	4	3	2	1	8953
S. I've never had an illness that lasted a long period of time	5	4	3	2	1	8954
T. Others seem more concerned about their health than I am about mine	5	4	3	2	1	8955
U. When I'm sick, I try to keep it to myself	5	4	3	2	1	8956
V. My health is excellent	5	4	3	2	1	8957
W. I expect to have a very healthy life	5	4	3	2	1	8958
X. My health is a concern in my life	5	4	3	2	1	8959
Y. I accept that sometimes I'm just going to be sick	5	4	3	2	1	8960
Z. I have been feeling bad lately	5	4	3	2	1	8961
AA. It doesn't bother me to go to a doctor	5	4	3	2	1	8962
BB. I have never been seriously ill	5	4	3	2	1	8963
CC. When there is something going around, I usually catch it	5	4	3	2	1	8964
DD. Doctors say that I am now in poor health	5	4	3	2	1	8965
EE. When I think I am getting sick, I fight it	5	4	3	2	1	8966
FF. I feel about as good now as I ever have	5	4	3	2	1	8967

DO NOT
WRITE IN
THIS SPACE

MEDICAL OPINIONS

DO NOT
WRITE IN
THIS SPACE

129. FOR EACH OF THE FOLLOWING STATEMENTS, PLEASE INDICATE WHETHER YOU AGREE OR DISAGREE.

A. SOME OPERATIONS DONE BY SURGEONS ARE NOT REALLY NECESSARY.

Agree 1
Disagree 2
Don't know 3

8968

B. IF YOU HAVE DOUBTS ABOUT YOUR OWN DOCTOR'S ADVICE, IT'S A GOOD IDEA TO GET ANOTHER DOCTOR'S OPINION.

Agree 1
Disagree 2
Don't know 3

8969

C. STOMACH ACHES AND HEADACHES ARE HARDLY EVER CAUSED BY YOUR EMOTIONS.

Agree 1
Disagree 2
Don't know 3

8970

D. A MEDICINE PRESCRIBED BY A DOCTOR CAN HAVE VERY DIFFERENT PRICES, DEPENDING ON WHETHER OR NOT IT HAS A BRAND NAME.

Agree 1
Disagree 2
Don't know 3

8971

E. IF YOU HAVE TO GO INTO THE HOSPITAL, YOUR DOCTOR CAN GET YOU ADMITTED TO ANY HOSPITAL YOU PREFER.

Agree 1
Disagree 2
Don't know 3

8972

F. YOU MAY BE ABLE TO TELL HOW GOOD A DOCTOR IS BY FINDING OUT IF HE IS CERTIFIED BY A SPECIAL BOARD.

Agree 1
Disagree 2
Don't know 3

DO NOT
WRITE IN
THIS SPACE

8973

G. IF YOU HAVE A PARTICULAR MEDICAL PROBLEM, THERE IS USUALLY A DOCTOR SPECIALLY TRAINED TO HANDLE IT.

Agree 1
Disagree 2
Don't know 3

8974

H. DOCTORS ARE CHECKED EVERY FEW YEARS, BEFORE THEIR LICENSES ARE RENEWED.

Agree 1
Disagree 2
Don't know 3

8975

I. FOR MANY ILLNESSES, DOCTORS JUST DON'T HAVE ANY CURE.

Agree 1
Disagree 2
Don't know 3

8976

J. TWO DOCTORS WHO ARE EQUALLY GOOD AT THEIR JOB MAY STILL SUGGEST VERY DIFFERENT WAYS OF TREATING THE SAME ILLNESS.

Agree 1
Disagree 2
Don't know 3

8977

MEDICINES TAKEN

DO NOT
WRITE IN
THIS SPACE

130. THIS QUESTION IS ABOUT THE PRESCRIPTION MEDICINES YOU HAVE TAKEN IN THE PAST 48 HOURS (2 DAYS). IT IS VERY IMPORTANT THAT YOU ANSWER ONLY FOR THAT TIME (THE PAST 48 HOURS) AND ONLY ABOUT PRESCRIPTION MEDICINES THAT YOU ACTUALLY TOOK DURING THAT PERIOD.

DID YOU PERSONALLY TAKE ANY PRESCRIPTION MEDICINES IN THE PAST 48 HOURS? (INCLUDE BIRTH CONTROL PILLS.)

4009

Yes 1 —Answer 130-A-B
No 2 —Go to 131,
page 55

- 130-A. HOW MANY DIFFERENT PRESCRIPTION MEDICINES DID YOU TAKE IN THE PAST 48 HOURS? (Write in number)

_____ prescription medicines

- 130-B. FOR EACH DIFFERENT TYPE OF MEDICINE YOU TOOK IN THE PAST 48 HOURS, PLEASE FILL IN THE INFORMATION REQUESTED IN THE BOX BELOW.

COPY THE INFORMATION FROM THE LABEL ON THE BOTTLE.
IF ANY INFORMATION IS NOT ON THE LABEL, WRITE "NOT ON LABEL."

4010

USE ONE BOX FOR EACH DIFFERENT TYPE OF MEDICINE.

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?

(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____

NC

NAME OF PHARMACY (DRUG STORE): _____

NC

PHONE NUMBER OF PHARMACY: _____

NC

DOSAGE (STRENGTH OF MEDICINE): _____

NC

DO NOT
WRITE IN
THIS SPACE

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?

(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?

(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

DO NOT
WRITE IN
THIS SPACE

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

DO NOT
WRITE IN
THIS SPACE

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?
(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

DO NOT
WRITE IN
THIS SPACE

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?

(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

NAME OF MEDICINE: _____

INSTRUCTIONS:

HOW OFTEN DOES THE LABEL INSTRUCT
YOU TO TAKE THE MEDICINE? _____

HOW MUCH SHOULD YOU TAKE EACH TIME?

(Be sure to say whether it is number of pills, number
of teaspoons, or what). _____

PRESCRIPTION NUMBER: _____ NC

NAME OF PHARMACY (DRUG STORE): _____ NC

PHONE NUMBER OF PHARMACY: _____ NC

DOSAGE (STRENGTH OF MEDICINE): _____ NC

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)

FORM A MEDICINES SUPPLEMENT

Ages 14 and Older

NORC
CASE #:

--	--	--	--	--	--

HH:

--	--	--	--	--	--

FAMILY
UNIT #:

--

FU:

--	--	--	--	--	--

HIEI:

1	1	5
---	---	---

FILLED OUT ABOUT:

--	--	--	--	--	--

FILLED OUT BY:

--	--	--	--	--	--

--	--	--	--	--	--	--	--

Month

Day

Year

KEYPUNCH
VERIFICATION

--

THANK YOU.

THESE ARE ALL THE QUESTIONS WE HAVE NOW.

PLEASE FILL OUT THE 2 OR 3 ITEMS BELOW. THEN PUT THE QUESTIONNAIRE IN THE MAILING ENVELOPE.

131. PLEASE WRITE IN THE DATE THIS QUESTIONNAIRE WAS COMPLETED:

132. IF YOU HAVE ANY COMMENTS YOU WOULD LIKE TO MAKE ABOUT THIS QUESTIONNAIRE, OR THE SURVEY IN GENERAL, PLEASE WRITE THEM IN BELOW.

133. DID THE SUBJECT OF THIS QUESTIONNAIRE, THE PERSON WHOSE HEALTH IT IS ABOUT, FILL OUT THE QUESTIONNAIRE, OR DID SOMEONE ELSE FILL IT OUT?

Subject filled out questionnaire 1
Someone else filled it out 2 —Answer 133-A-B

133-A. WHAT IS THE MAIN REASON THE SUBJECT OF THE QUESTIONNAIRE DID NOT FILL IT OUT?

(Circle one)

Can't read well enough 1
Has poor eyesight 2
Has trouble writing 3
Trouble understanding English 4
Form is too complicated 5
Is away from home 6
Some other reason 7
What?

133-B. PLEASE WRITE IN NAME OF PERSON WHO FILLED IT OUT:


DO NOT
WRITE IN
THIS SPACE


8978


8979

MEDICAL HISTORY QUESTIONNAIRE (SEATTLE)



FORM A **Ages 14 and Older**

SDP:  01-10/




 11-12/

HH:  13-20/

FAMILY UNIT #:  21/







 of  22-23/

FU:  24-31/

HFEI:    32-34/

FILLED OUT ABOUT:  35-42/

FILLED OUT BY:  43-50/

       51-58/
Month Day Year

KEYPUNCH VERIFICATION  59/

REC. Yes 1 No 2 60/
REC. COMP. Yes 1 No 2 61/

Appendix E
ADULT HEALTH STATUS AND ATTITUDE
FILE DICTIONARY

This appendix describes the character version of the adult health status and attitude file in technical terms. Basic identifying data are followed by lists showing the location, length, and type of each variable.

Table E.1

ADULT HEALTH STATUS AND ATTITUDE FILE: BASIC IDENTIFYING DATA

Data file name	DHAHAA01.PUF.DATA
Creation Date	November 18, 1986
Variable format	Character
Total number of data elements	136
Header length (bytes)	20
Derived data length (bytes)	1040
Record length (bytes)	1060

Table E.2

ADULT HEALTH STATUS AND ATTITUDE FILE: LISTING BY ALPHABETIC ORDER

Name	Location	Length	Type	Name	Location	Length	Type
ANS	733	8	I	EGFP	485	8.3	F
ANSX	741	8	I	EGFPX	493	8.3	F
ANX	133	8.1	F	EMINS	197	8.1	F
ANXX	141	8.1	F	EMINSX	205	8.1	F
APERS	37	8	I	EMRG	781	8	I
APERSX	45	8	I	EMRGX	789	8	I
APPT	749	8	I	ENRTERM	17	1	A
APPTX	757	8	I	FILENAME	1	6	A
AROLE	21	8.1	F	FILLER	18	3	A
AROLEX	29	8.1	F	GENEX	629	8	I
ART	941	8.1	F	GENEXX	637	8	I
ARTX	949	8.1	F	GHINDX	349	8.1	F
AVHOS	893	8.2	F	GHINDXX	357	8.1	F
AVHOSX	901	8.2	F	GHIOOP	365	8.2	F
AVMD	861	8.2	F	GROUP	301	8.1	F
AVMDX	869	8.2	F	GROUPX	309	8.1	F
AVSP	877	8	I	HOURL	797	8	I
AVSPX	885	8	I	HOURLX	805	8	I
CAMT	517	8	I	HTIN	701	8	I
CAMTX	525	8	I	HTINX	709	8	I
CAP	53	8.1	F	INSTAT	16	1	A
CAPX	61	8.1	F	LIFE	245	8	I
CDUR	533	8	I	LIFEX	253	8	I
CDURX	541	8	I	MC	677	8	I
CIG	501	8	I	MCLSR	645	8	I
CIGX	509	8	I	MCLSRX	653	8	I
CONTS	909	8.2	F	MCOST	925	8.2	F
CONTSX	917	8.2	F	MCOSTX	933	8.2	F
CONV	765	8	I	MCWRK	661	8	I
CONVX	773	8	I	MCWRKX	669	8	I
CSOPH	333	8.1	F	MDOFF	973	8.3	F
CSOPHX	341	8.1	F	MDOFFX	981	8.3	F
CURNT	373	8.1	F	MGSAT	989	8.1	F
CURNTX	381	8.1	F	MGSATX	997	8.1	F
DACESX	1005	8.1	F	MHI	117	8.1	F
DAVCNX	1013	8.3	F	MHIX	125	8.1	F
DCONTX	1021	8	I	MOVOL	597	8.2	F
DCOSTX	1029	8.3	F	MOVOLX	605	8.2	F
DEP	149	8.1	F	OUTLOK	405	8.1	F
DEPX	157	8.1	F	OUTLOKX	413	8.1	F
DGSATX	1053	8	I	OWTCR	717	8	I
DISEA	101	8.1	F	OWTCRX	725	8	I
DISEAX	109	8.1	F	PAIN	469	8.1	F
DPAINX	1037	8.1	F	PAINX	477	8.1	F
DQUALX	1045	8.1	F	PARK	813	8	I

See Note on last page of Appendix.

Table E.2 (cont.)

ADULT HEALTH STATUS AND ATTITUDE FILE: LISTING BY ALPHABETIC ORDER

Name	Location	Length	Type	Name	Location	Length	Type
PARKX	821	8	I	SOCONTOP	293	8.2	F
PDRNK	613	8	I	SYMPTM	85	8	I
PDRNKX	621	8	I	SYMPTMX	93	8	I
PERSON	7	8	A	TECH	957	8.1	F
PFI	69	8	I	TECHX	965	8.1	F
PFIX	77	8	I	TIES	181	8	I
POSWB	165	8.1	F	TIESX	189	8	I
POSWBX	173	8.1	F	TRVL	829	8	I
PRIOR	389	8.1	F	TRVLX	837	8	I
PRIORX	397	8.1	F	WAIT	845	8	I
PSYDS	229	8.1	F	WAITX	853	8	I
PSYDSX	237	8.1	F	WORCON	437	8.1	F
PWB	213	8.1	F	WORCONX	445	8.1	F
PWBX	221	8.1	F	WORRY	453	8.1	F
RESIST	421	8.1	F	WORRYX	461	8.1	F
RESISTX	429	8.1	F	WTLBS	685	8	I
SDRS	317	8.1	F	WTLBSX	693	8	I
SDRSX	325	8.1	F	XAMT	549	8	I
SITE	15	1	A	XAMTX	557	8	I
SOCIND	261	8.1	F	XDUR	565	8	I
SOCINDX	269	8.1	F	XDURX	573	8	I
SOCONT	277	8.1	F	XSTOP	581	8	I
SOCONTX	285	8.1	F	XSTOPX	589	8	I

See Note on last page of Appendix.

Table E.3

ADULT HEALTH STATUS AND ATTITUDE FILE: LISTING BY LOCATION

Name	Location	Length	Type	Name	Location	Length	Type
FILENAME	1	6	A	CSOPH	333	8.1	F
PERSON	7	8	A	CSOPHX	341	8.1	F
SITE	15	1	A	GHINDX	349	8.1	F
INSTAT	16	1	A	GHINDXX	357	8.1	F
ENRTERM	17	1	A	GHIOOP	365	8.2	F
FILLER	18	3	A	CURNT	373	8.1	F
AROLE	21	8.1	F	CURNTX	381	8.1	F
AROLEX	29	8.1	F	PRIOR	389	8.1	F
APERS	37	8	I	PRIORX	397	8.1	F
APERSX	45	8	I	OUTLOK	405	8.1	F
CAP	53	8.1	F	OUTLOKX	413	8.1	F
CAPX	61	8.1	F	RESIST	421	8.1	F
PFI	69	8	I	RESISTX	429	8.1	F
PFIX	77	8	I	WORCON	437	8.1	F
SYMPTM	85	8	I	WORCONX	445	8.1	F
SYMPTMX	93	8	I	WORRY	453	8.1	F
DISEA	101	8.1	F	WORRYX	461	8.1	F
DISEAX	109	8.1	F	PAIN	469	8.1	F
MHI	117	8.1	F	PAINX	477	8.1	F
MHIX	125	8.1	F	EGFP	485	8.3	F
ANX	133	8.1	F	EGFPX	493	8.3	F
ANXX	141	8.1	F	CIG	501	8	I
DEP	149	8.1	F	CIGX	509	8	I
DEPX	157	8.1	F	CAMT	517	8	I
POSWB	165	8.1	F	CAMTX	525	8	I
POSWBX	173	8.1	F	CDUR	533	8	I
TIES	181	8	I	CDURX	541	8	I
TIESX	189	8	I	XAMT	549	8	I
EMINS	197	8.1	F	XAMTX	557	8	I
EMINSX	205	8.1	F	XDUR	565	8	I
PWB	213	8.1	F	XDURX	573	8	I
PWBX	221	8.1	F	XSTOP	581	8	I
PSYDS	229	8.1	F	XSTOPX	589	8	I
PSYDSX	237	8.1	F	MOVOL	597	8.2	F
LIFE	245	8	I	MOVOLX	605	8.2	F
LIFEX	253	8	I	PDRNK	613	8	I
SOCIND	261	8.1	F	PDRNKX	621	8	I
SOCINDX	269	8.1	F	GENEX	629	8	I
SOCONT	277	8.1	F	GENEXX	637	8	I
SOCONTX	285	8.1	F	MCLSR	645	8	I
SOCONTOP	293	8.2	F	MCLSRX	653	8	I
GROUP	301	8.1	F	MCWRK	661	8	I
GROUPX	309	8.1	F	MCWRKX	669	8	I
SDRS	317	8.1	F	MC	677	8	I
SDRSX	325	8.1	F	WTLBS	685	8	I

See Note on last page of Appendix.

Table E.3 (cont.)

ADULT HEALTH STATUS AND ATTITUDE FILE: LISTING BY LOCATION

Name	Location	Length	Type	Name	Location	Length	Type
WTLBSX	693	8	I	AVSP	877	8	I
HTIN	701	8	I	AVSPX	885	8	I
HTINX	709	8	I	AVHOS	893	8.2	F
OWTCR	717	8	I	AVHOSX	901	8.2	F
OWTCRX	725	8	I	CONTS	909	8.2	F
ANS	733	8	I	CONTSX	917	8.2	F
ANSX	741	8	I	MCOST	925	8.2	F
APPT	749	8	I	MCOSTX	933	8.2	F
APPTX	757	8	I	ART	941	8.1	F
CONV	765	8	I	ARTX	949	8.1	F
CONVX	773	8	I	TECH	957	8.1	F
EMRG	781	8	I	TECHX	965	8.1	F
EMRGX	789	8	I	MDOFF	973	8.3	F
HOUR	797	8	I	MDOFFX	981	8.3	F
HOURX	805	8	I	MGSAT	989	8.1	F
PARK	813	8	I	MGSATX	997	8.1	F
PARKX	821	8	I	DACESX	1005	8.1	F
TRVL	829	8	I	DAVCNX	1013	8.3	F
TRVLX	837	8	I	DCONTX	1021	8	I
WAIT	845	8	I	DCOSTX	1029	8.3	F
WAITX	853	8	I	DPAINX	1037	8.1	F
AVMD	861	8.2	F	DQUALX	1045	8.1	F
AVMDX	869	8.2	F	DGSATX	1053	8	I

NOTE: "Type" refers to whether the variable values are alphanumeric (A) or integer (I), or fixed-decimal (F). For fixed-decimal variables, the placement of the decimal point is shown in the "LENGTH" column; the number to the right of the dot "." tells the number of digits to the right of the decimal point (e.g., 8.2 means the numbers will be written "nnnnn.nn"). Missing values are written differently for each variable type: A = bbbbbb, I = bbbbbb, F8.1 = bbbbbb.b, F8.2 = bbbbbb.bb, and F8.3 = bbbbbb.bbb ("b" meaning blank). To obtain the appropriate positive and missing values, read all values as alphanumeric, then convert "I" data to integers and "F" data to the specified floating-point format.

Appendix F
CHILD HEALTH STATUS AND ATTITUDE
FILE DICTIONARY

This appendix describes the character version of the child health status and attitude file in technical terms. Basic identifying data are followed by lists showing the location, length, and type of each variable.

Table F.1

CHILD HEALTH STATUS AND ATTITUDE FILE: BASIC IDENTIFYING DATA

Data file name	DHCHAA01.PUF.DATA
Creation Date	November 23, 1986
Variable format	Character
Total number of data elements	28
Header length (bytes)	20
Derived data length (bytes)	176
Record length (bytes)	196

Table F.2

CHILD HEALTH STATUS
AND ATTITUDE FILE:
LISTING BY ALPHABETIC ORDER

Name	Location	Length	Type
APHY	37	8.1	F
APHYX	45	8.1	F
AROLE	21	8	I
AROLEX	29	8	I
ASMO	53	8	I
ASMOX	61	8	I
ATOTL	69	8	I
ATOTLX	77	8	I
CURNT	133	8.1	F
CURNTX	141	8.1	F
ENRTERM	17	1	A
FILENAME	1	6	A
FILLER	18	3	A
GINDX	117	8.1	F
GINDXX	125	8.1	F
INSTAT	16	1	A
MHI	85	8.1	F
MHIX	93	8.1	F
PERSON	7	8	A
PRIOR	149	8.1	F
PRIORX	157	8.1	F
RSIST	165	8.1	F
RSISTX	173	8.1	F
SATF	181	8.1	F
SATFX	189	8.1	F
SITE	15	1	A
SOREL	101	8.1	F
SORELX	109	8.1	F

Table F.3

CHILD HEALTH STATUS
AND ATTITUDE FILE:
LISTING BY LOCATION

Name	Location	Length	Type
FILENAME	1	6	A
PERSON	7	8	A
SITE	15	1	A
INSTAT	16	1	A
ENRTERM	17	1	A
FILLER	18	3	A
AROLE	21	8	I
AROLEX	29	8	I
APHY	37	8.1	F
APHYX	45	8.1	F
ASMO	53	8	I
ASMOX	61	8	I
ATOTL	69	8	I
ATOTLX	77	8	I
MHI	85	8.1	F
MHIX	93	8.1	F
SOREL	101	8.1	F
SORELX	109	8.1	F
GINDX	117	8.1	F
GINDXX	125	8.1	F
CURNT	133	8.1	F
CURNTX	141	8.1	F
PRIOR	149	8.1	F
PRIORX	157	8.1	F
RSIST	165	8.1	F
RSISTX	173	8.1	F
SATF	181	8.1	F
SATFX	189	8.1	F

NOTE: "Type" refers to whether the variable values are alphanumeric (A) or integer (I), or fixed-decimal (F). For fixed-decimal variables, the placement of the decimal point is shown in the "LENGTH" column; the number to the right of the dot "." tells the number of digits to the right of the decimal point (e.g., 8.2 means the numbers will be written "nnnnn.nn"). Missing values are written differently for each variable type: A = bbbbbbbb, I = bbbbbbb., F8.1 = bbbbbbb.b., F8.2 = bbbbb.bb, and F8.3 = bbbb.bbb ("b" meaning blank). To obtain the appropriate positive and missing values, read all values as alphanumeric, then convert "I" data to integers and "F" data to the specified floating-point format.

Appendix G
ALPHABETIC INDEX OF VARIABLES:
ADULT HEALTH STATUS AND ATTITUDE FILE

		Page No.
ANS	Satisfaction with obtaining answers to medical questions at baseline or enrollment	225
ANSX	Satisfaction with obtaining answers to medical questions at exit	226
ANX	Anxiety at enrollment	95
ANXX	Anxiety at exit	98
APERS	Personal limitations at enrollment	44
APERSX	Personal limitations at exit	49
APPT	Satisfaction with length of wait for medical appointments at baseline or enrollment	227
APPTX	Satisfaction with length of wait for medical appointments at exit	228
AROLE	Role activity limitations at enrollment	38
AROLEX	Role activity limitations at exit	41
ART	Satisfaction with art of medical care at baseline or enrollment	252
ARTX	Satisfaction with art of medical care at exit	254
AVHOS	Satisfaction with availability of hospitals at baseline or enrollment	245
AVHOSX	Satisfaction with availability of hospitals at exit	246
AVMD	Satisfaction with availability of family doctors at baseline or enrollment	241
AVMDX	Satisfaction with availability of family doctors at exit	242
AVSP	Satisfaction with availability of medical specialists at baseline or enrollment	243
AVSPX	Satisfaction with availability of medical specialists at exit	244
CAMT	Current cigarette smoker: amount participant smoked at enrollment	181
CAMTX	Current cigarette smoker: amount participant smoked at exit	182
CAP	Physical capacities at enrollment	53
CAPX	Physical capacities at exit	60
CDUR	Current cigarette smoker: number of years participant smoked at enrollment	183
CDURX	Current cigarette smoker: number of years participant smoked at exit	185
CIG	Cigarette smoking status at enrollment	179
CIGX	Cigarette smoking status at exit	180
CONTS	Reported continuity of medical care at baseline or enrollment	247
CONTSX	Reported continuity of medical care at exit	248

CONV	Satisfaction with convenience of medical care at baseline or enrollment	229
CONVX	Satisfaction with convenience of medical care at exit ...	230
CSOPH	Consumer sophistication at enrollment	146
CSOPHX	Consumer sophistication at exit	148
CURNT	Current health at enrollment	161
CURNTX	Current health at exit	162
DACESX	Satisfaction with access to dental care at exit	263
DAVCNX	Satisfaction with availability and convenience of dental care at exit	264
DCONTX	Reported continuity of dental care at exit	265
DCOSTX	Satisfaction with cost of dental care at exit	266
DEP	Depression at enrollment	99
DEPX	Depression at exit	101
DGSATX	General satisfaction with dental care at exit	269
DISEA	Number of disease conditions at enrollment	77
DISEAX	Number of disease conditions at exit	83
DPAINX	Satisfaction with management of dental pain at exit	267
DQUALX	Satisfaction with quality of dental care at exit	268
EGFP	General health rating at enrollment	177
EGFPX	General health rating at exit	178
EMINS	Emotional instability at enrollment	109
EMINSX	Emotional instability at exit	111
EMRG	Satisfaction with availability of emergency care at baseline or enrollment	231
EMRGX	Satisfaction with availability of emergency care at exit	232
ENRTERM	Enrollment term	38
FILENAME	Name of file	36
GENEX	Overall physical activity at enrollment	209
GENEXX	Overall physical activity at exit	210
GHIOOP	Predicted index of general health at enrollment	154
GHINDX	Index of general health at enrollment	150
GHINDXX	Index of general health at exit	152
GROUP	Group participation at enrollment	138
GROUPX	Group participation at exit	140
HOURL	Satisfaction with medical office hours at baseline or enrollment	233
HOURLX	Satisfaction with medical office hours at exit	234
HTIN	Height in inches at enrollment	220
HTINX	Height in inches at exit	221
INSTAT	Insurance status	37
LIFE	Life satisfaction at enrollment	123
LIFEX	Life satisfaction at exit	124

MC	Metabolic cost of work and leisure activities at enrollment	217
MCLSR	Metabolic cost of leisure activities at enrollment	211
MCLSRX	Metabolic cost of leisure activities at exit	212
MCOST	Satisfaction with medical costs at baseline or enrollment	250
MCOSTX	Satisfaction with medical costs at exit	251
MCWRK	Metabolic cost of work activities at enrollment	214
MCWRKX	Metabolic cost of work activities at exit	215
MDOFF	Satisfaction with medical office facilities at baseline or enrollment	258
MDOFFX	Satisfaction with medical office facilities at exit	259
MGSAT	General satisfaction with medical care at baseline or enrollment	260
MGSATX	General satisfaction with medical care at exit	262
MHI	Index of mental health at enrollment	88
MHIX	Index of mental health at exit	92
MOVOL	Monthly volume of ethanol consumed at enrollment	193
MOVOLX	Monthly volume of ethanol consumed at exit	200
OUTLOK	Outlook on health at enrollment	166
OUTLOKX	Outlook on health at exit	167
OWTCR	Overweight according to weight/height criteria at enrollment	222
OWTCRX	Overweight according to weight/height criteria at exit	223
PAIN	Pain rating at enrollment	175
PAINX	Pain rating at exit	176
PARK	Satisfaction with parking for medical care at baseline or enrollment	235
PARKX	Satisfaction with parking for medical care at exit	236
PDRNK	Number of drinking-related problems at enrollment	204
PDRNKX	Number of drinking-related problems at exit	207
PERSON	Person identifier	36
PFI	Index of personal functioning at enrollment	65
PFIX	Index of personal functioning at exit	67
POSWB	Positive well-being at enrollment	102
POSWBX	Positive well-being at exit	104
PRIOR	Prior health at enrollment	164
PRIORX	Prior health at exit	165
PSYDS	Psychological distress at enrollment	117
PSYDSX	Psychological distress at exit	120
PWB	Psychological well-being at enrollment	112
PWBX	Psychological well-being at exit	115
RESIST	Resistance to illness at enrollment	168
RESISTX	Resistance to illness at exit	169
SDRS	Socially desirable response set at enrollment	142
SDRSX	Socially desirable response set at exit	144
SITE	Site	37

SOCIND	Index of social health at enrollment	125
SOCINDX	Index of social health at exit	128
SOCONT	Social contacts at enrollment	132
SOCONTOP	Predicted social contacts at enrollment	136
SOCONTX	Social contacts at exit	134
SYMPTM	Number of acute symptoms at enrollment	69
SYMPTMX	Number of acute symptoms at exit	73
TECH	Satisfaction with technical quality of medical care at baseline or enrollment	255
TECHX	Satisfaction with technical quality of medical care at exit	257
TIES	Interpersonal ties at enrollment	106
TIESX	Interpersonal ties at exit	107
TRVL	Satisfaction with travel time to medical care at baseline or enrollment	237
TRVLX	Satisfaction with travel time to medical care at exit ...	238
WAIT	Satisfaction with waiting time at medical office at baseline or enrollment	239
WAITX	Satisfaction with waiting time at medical office at exit.....	240
WORCON	Health worry/concern at enrollment	170
WORCONX	Health worry/concern at exit	171
WORRY	Health worry at enrollment	173
WORRYX	Health worry at exit	174
WTLBS	Weight in pounds at enrollment	219
WTLBSX	Weight in pounds at exit	219
XAMT	Former cigarette smoker: amount participant smoked, when used to smoke, at enrollment	186
XAMTX	Former cigarette smoker: amount participant smoked, when used to smoke, at exit	187
XDUR	Former cigarette smoker: number of years participant smoked, when used to smoke, at enrollment	188
XDURN	Former cigarette smoker: number of years participant smoked, when used to smoke, at exit	190
XSTOP	Former cigarette smoker: length of time since participant stopped smoking at enrollment	191
XSTOPX	Former cigarette smoker: length of time since participant stopped smoking at exit	192

Appendix H
ALPHABETIC INDEX OF VARIABLES:
CHILD HEALTH STATUS AND ATTITUDE FILE

		Page No.
APHY	Physical activity limitations at enrollment	284
APHYX	Physical activity limitations at exit	289
AROLE	Role activity limitations at enrollment	274
AROLEX	Role activity limitations at exit	280
ASMO	Mobility limitations at enrollment	292
ASMOX	Mobility limitations at exit	297
ATOTL	All activity limitations at enrollment	300
ATOTLX	All activity limitations at exit	302
CURNT	Current health at enrollment	315
CURNTX	Current health at exit	316
ENRTERM	Enrollment term	274
FILENAME	Name of file	272
GINDX	Index of general health at enrollment	312
GINDXX	Index of general health at exit	313
INSTAT	Insurance status	273
MHI	Index of mental health at enrollment	304
MHIX	Index of mental health at exit	306
PERSON	Person identifier	272
PRIOR	Prior health at enrollment	317
PRIORX	Prior health at exit	318
RSIST	Resistance to illness at enrollment	319
RSISTX	Resistance to illness at exit	320
SATF	Satisfaction with development at enrollment	321
SATFX	Satisfaction with development at exit	322
SITE	Site	273
SOREL	Social relations at enrollment	308
SORELX	Social relations at exit	310

GLOSSARY

Adjunct enrollee	Uninsured member of insured family/household or member of Dayton control group. Not part of sample in health status and attitude files.
Adult	Enrollee in experiment who was between 14 and 61 years of age at enrollment, or who had reached 14 years or older at exit.
Attrition	Departure from experiment by voluntary withdrawal <i>before</i> completion of assigned enrollment term. Compare "exit" and "termination."
Baseline	Period during which experimental subjects were selected. HIE staff drew representative sample of potential enrollees from areawide probability sample of dwelling units in each site. Each family that joined experiment was assigned to one of 15 health insurance plans; HMO control group did not participate in baseline process.
Baseline-only participant	Person who was considered for enrollment at beginning of experiment in given site, but who did not enroll. Not part of sample in health status and attitude files.
Baseline participant	Person considered for enrollment at beginning of experiment in given site. May or may not have enrolled, either remaining baseline-only participant or becoming enrollee.
Baseline questionnaire	Elicited information at baseline on family's eligibility for experiment and measured prior health status, use of health care services, satisfaction with medical care, and insurance coverage. Completed four to six months before enrollment into experiment.
Child	Enrollee in experiment who was under 14 years of age at enrollment, or who was born during experiment.
Contract year	One-year portion of enrollee's assigned enrollment term, three or five years. Reckoned for administrative purposes from date on which family signed enrollment contract. First contract year began on enrollment date, second contract year began on first anniversary of enrollment, and so on.
Covered service	Service for which enrollee's entire expenditure was covered by HIE.

Dayton control group	Group of 669 uninsured enrollees who participated in experiment from November 1974 to February 1976. Formed to compare community's use of health services with use by insured Dayton enrollees. Members retained own insurance but were asked to complete same questionnaires as insured enrollees. Group was discontinued because complete data on members appeared unobtainable. Not part of sample in health status and attitude files.
DEI	Data element indicator. Every element (primary variable) in all HIE data files was assigned unique alphanumeric identifier composed of prefix DEI followed by three or four digits, e.g., DEI1234. Each DEI number in HSA files represents single question on data collection instrument. In other files, DEI numbers also represent individual items of information from, for example, administrative forms.
Derived variable	Derived from raw data obtained during experiment. Compare "primary variable."
Enrollee	Insured or uninsured person whose family/household signed enrollment contract with HIE. Any of the following: HIE-insured enrollee, HMO-insured enrollee, adjunct enrollee, member of Dayton control group.
Enrollment	Formal admission into experiment. Enrollment dates varied by site, ranging from November 1974 in Dayton to November 1978 in Charleston and Georgetown County. Nearly all enrollees filled out MHQ and random subsample took medical screening examination.
Enrollment variable	Constructed from MHQ data obtained at enrollment. Enrollment variables precede exit variables in codebooks.
Exit	Departure from experiment <i>after</i> completion of assigned enrollment term, three or five years. Compare "attrition" and "termination."
Exit variable	Constructed from MHQ data obtained at exit. Exit variables follow enrollment variables in codebooks and are denoted by X at end of variable name--e.g., AROLE and AROLEX for enrollment and exit, respectively.
Experimental insurance plan	One of 16 plans under which health care costs of HIE enrollees were insured. Fifteen were health insurance plans with varying coinsurance rates and out-of-pocket expenditure limits, and were in both FFS and HMO delivery systems. Sixteenth was HMO control group.

FFS	Fee for service, referring to fees charged for medical and dental services by providers in private economic sector.
GHC	Group Health Cooperative of Puget Sound--Seattle HMO that participated in experiment.
HIE	Health Insurance Experiment.
HIEI	Health Insurance Experiment Instrument. Each separately administered version of any data collection instrument was given unique HIEI number.
HIE-insured	Enrollee assigned to experimental health insurance plan paid by HIE (plans A-O, described on pp. 3-4). HIE-insured enrollees include members of HMO <i>experimental</i> group. Compare "HMO-insured."
HMO	Health maintenance organization. HMO that participated in experiment was Group Health Cooperative of Puget Sound.
HMO control group	Seattle enrollees drawn at random from existing HMO members who met HIE eligibility criteria. HIE did <i>not</i> pay insurance premiums for those enrollees.
HMO experimental group	Seattle enrollees experimentally transferred to HMO from FFS delivery system. HIE <i>did</i> pay insurance premiums for those enrollees.
HMO-insured	Member of HMO control group. Compare "HIE-insured."
HSA	Health status and attitudes (file name).
Insured	Either HIE-insured or HMO-insured enrollee. Compare "uninsured."
Item nonresponse	Answer to individual question on any HIE questionnaire missing because participant skipped question accidentally. Distinguished from questions left unanswered because of skip pattern.
MDE	Maximum dollar expenditure. Maximum out-of-pocket expense to be paid by HIE-insured family before health care became free. Amount depended on family's assigned health insurance plan.
Medical screening examination	Physical examination administered to randomly selected subsample of enrollees at enrollment and to all at exit. Produced data on general physiologic health.

MHQ	Medical history questionnaire. Elicited information on enrollee's health status, attitudes toward health care, health habits, and specific medical disorders. Completed by nearly all enrollees at both enrollment and exit. Administered in two parts: MHQ Form A asked for relatively subjective evaluations, whereas MHQ Form B asked for relatively objective information. First administered at enrollment in Dayton; subsequently revised to clarify questions and obtain more precise answers. Revised questionnaire administered at exit in Dayton and at <i>both</i> enrollment and exit in all <i>other</i> sites.
Missing value	Value assigned to any participant for whom given variable was not constructed. Represented by "." in SAS-format file and by blank in character-format file.
NonDayton	All sites other than Dayton, Ohio. Refers to Seattle, Washington; Fitchburg and Franklin County, Massachusetts; and Charleston and Georgetown County, South Carolina. See "site."
Participant	Any person with record in any HIE data file. Participant group comprises baseline-only participants as well as all types of enrollees.
PEG	Preenrollment group. Composed of persons who participated in preenrollment phase in South Carolina and who may or may not have formally enrolled in experiment.
Primary variable	Original information element in HIE data file; unmanipulated raw data. Compare "derived variable."
Provider	Any person, institution, or organization who provided health services, drugs, or supplies to enrollee.
SAS	Statistical Analysis System. HIE files contain data in both SAS and character formats.
Site	One of six locations (city or county) in which Health Insurance Experiment was conducted between November 1974 and February 1982.
Termination	Involuntary departure from experiment. Cancellation of enrollment because of permanent ineligibility or failure to fulfill obligations required for participation. Compare "attrition" and "exit."
Uninsured	Neither HIE-insured nor HMO-insured enrollee. May have been either adjunct enrollee or member of Dayton control group. Uninsured persons did not necessarily lack health insurance; they were uninsured only with respect to HIE insurance plans. Compare "insured."

