CONSTRUCTION AND SCORING OF
AGGREGATE FUNCTIONAL STATUS
MEASURES: VOLUME II, APPENDIXES

Anita L. Stewart, John E. Ware, Jr.,
and Robert H. Brook

August 1982

N-1706-1-HHS

Prepared for

The U.S. Department of Health and
Human Services
The research reported herein was performed pursuant to Grant No. 016B80 from the U.S. Department of Health and Human Services, Washington, D.C.

The Rand Publications Series: The Report is the principal publication documenting and transmitting Rand's major research findings and final research results. The Rand Note reports other outputs of sponsored research for general distribution. Publications of The Rand Corporation do not necessarily reflect the opinions or policies of the sponsors of Rand research.

Published by The Rand Corporation
Second Edition revised August 1982
CONSTRUCTION AND SCORING OF
AGGREGATE FUNCTIONAL STATUS
MEASURES: VOLUME II, APPENDIXES

Anita L. Stewart, John E. Ware, Jr.,
and Robert H. Brook

August 1982

N-1706-1-HHS

Prepared for

The U.S. Department of Health and
Human Services
PREFACE

The Rand Health Insurance Study, now called the Rand Health Insurance Experiment (HIE), was funded by a grant from the U.S. Department of Health, Education, and Welfare (now the U.S. Department of Health and Human Services). The HIE is a social experiment designed to investigate the effects of different health care financing arrangements (differing coinsurance and deductibles, and fee-for-service practice versus prepaid group practice) on the use of personal medical care services, quality of care, satisfaction with care, and health status.

The appendixes included in this Note present details on how to score the aggregate measures described in the companion volume R-2551-1-HHS, Construction and Scoring of Aggregate Functional Status Measures: Volume I.

This Note has been revised to clarify inconsistencies in previous literature in the labeling of functional status measures. An overview of all the measures of functional status that have been constructed since the beginning of the HIE is presented in the revised companion volume.
# CONTENTS

PREFACE ........................................................................................................ iii

Appendix

A. SCORING OF THE AGGREGATE FUNCTIONAL STATUS MEASURES .......... 1
   Introduction ....................................................................................... 2
   Functional Limitations ................................................................. 4
   Physical Capacities .................................................................... 17
   Personal Functioning Index .......................................................... 32

B. SPSS AND SAS COMPUTER PROGRAMMING STATEMENTS USED TO
   CALCULATE FUNCTIONAL STATUS MEASURES .............................. 37

C. FUNCTIONAL LIMITATIONS BATTERY (Version II) ......................... 91

D. PHYSICAL CAPACITIES BATTERY (Version II) ............................... 97

E. PHYSICAL CAPACITIES BATTERY (Version III) .............................. 111

F. SUMMARY STATISTICS FOR FUNCTIONAL STATUS MEASURES FOR EACH
   SITE ............................................................................................... 125
Appendix A

SCORING OF THE AGGREGATE FUNCTIONAL STATUS MEASURES
INTRODUCTION

Two batteries (Functional Limitations and Physical Capacities) were included in the HIE to measure functional status. Five variables were derived from these two batteries. These variables are summarized in Table A.1, including the battery, the enrollment questionnaire on which they were included, the computer variable name, and the data status indicator name.

The Functional Limitations battery[1] is in a section entitled "General Health" and is included in the enrollment Medical History Questionnaire, in all Health Questionnaires, and in the exit Medical History Questionnaire. The Physical Capacities battery[2] is included only in the enrollment and exit Medical History Questionnaire, in a section entitled "Questions about Physical Limitations."

All of the functional status derived variables are Guttman scales. These are scales in which each scale score represents a particular pattern of response to the items in the scale. The scaling analyses are described in the companion volume, R-2551-1-HHS.

The scoring of these measures was relatively complex. For people whose pattern of responses corresponded to one of the perfect scale types, scoring was straightforward. For people whose pattern of responses did not correspond to one of the perfect scale types, scores were assigned on a case-by-case basis by evaluating the pattern of available responses.

[1] A photocopy of this battery is presented in Appendix C.
[2] A photocopy of this battery is presented in Appendix D.
Table A.1
DERIVED VARIABLE NAMES FOR FUNCTIONAL STATUS VARIABLES

<table>
<thead>
<tr>
<th>Category/Variable Name</th>
<th>Battery</th>
<th>Enrollment Questionnaire</th>
<th>Derived Variable Name</th>
<th>Data Status Indicator Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dayton</td>
<td>Other Sites^a</td>
</tr>
<tr>
<td><strong>Role Functioning</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Role Limitations</td>
<td>Functional Limitations</td>
<td>Form A, MHQ^b</td>
<td>CROLE00A</td>
<td>DSCRL00A</td>
</tr>
<tr>
<td>Any Role Limitations</td>
<td>Functional Limitations</td>
<td>Form A, MHQ</td>
<td>AROLE00A</td>
<td>DSARL00A</td>
</tr>
<tr>
<td><strong>Personal Functioning</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Personal Limitations</td>
<td>Functional Limitations</td>
<td>Form A, MHQ</td>
<td>CPERS00A</td>
<td>DSCPR00A</td>
</tr>
<tr>
<td>Any Personal Limitations</td>
<td>Functional Limitations</td>
<td>Form A, MHQ</td>
<td>APERS00A</td>
<td>DSAPR00A</td>
</tr>
<tr>
<td>Physical Capacities</td>
<td>Physical Capacities</td>
<td>Form B, MHQ</td>
<td>CAP00A</td>
<td>DSCAP00A</td>
</tr>
</tbody>
</table>

^a Seattle, Fitchburg/Franklin County, Charleston/Georgetown County.

^b Medical History Questionnaire.
To distinguish between scores assigned to perfect scale types and those assigned to imperfect scale types, a data status indicator (DSI) was constructed that corresponded to each score. The purpose of the DSI is to allow future users of these data to exclude people for whom data may be inaccurate. This DSI has four possible values, as follows:

- 0 Score based on perfect scale type
- 1 Score estimated, probably accurate
- 2 Score estimated, may be inaccurate
- -1 Score missing

To receive a DSI of one, the available data must provide nearly complete information that leaves almost no question as to the appropriate score. For example, a person missing only the self-care item and who was not limited in any other way would be assigned a Personal Limitations score of zero (no limitations) and a DSI of one. If there was any question as to the accuracy of the score assigned, that person received a DSI of two.

The scoring of the derived variables will be discussed separately for each battery; the scoring of the Personal Functioning Index is presented last.

FUNCTIONAL LIMITATIONS

There are two versions of the Functional Limitations battery; one was administered only at enrollment in Dayton, and the other (Version II) was administered at enrollment in all other sites, and in all subsequent administrations in all sites.
Version II

A summary of the basic procedure used to construct derived variables for Version II of the Functional Limitations battery is presented in Table A.2. A list of items used to score the measures of functional limitations from the battery is shown in Table A.3, including the item number, Data Element Identifier (DEI), computer variable name, and abbreviated item content. A representation of the perfect response patterns (as determined by the scalogram analysis) and the scores assigned to each are shown in Table A.4 for the personal limitations scales (chronic and any limitations) and in Table A.5 for the role limitations scales. A summary of the patterns of responses for which scale scores were estimated (i.e., patterns not conforming to perfect scale types) is presented in Table A.6 for the two personal limitations scales and in Table A.7 for the two role limitations scales. A listing of the SPSS computer programming statements used to calculate these measures is presented in Appendix B. Each pattern that was estimated was assigned a pattern number (e.g., M1, EC2) (see Tables A.6 and A.7). These pattern numbers are used in the computer program to identify each set of programming statements.
Table A.2

SUMMARY OF PROCESS OF CALCULATING DERIVED VARIABLES FOR THE FUNCTIONAL LIMITATIONS BATTERY
(Version II)

1. Variable names were changed from DEIs to names reflecting the item numbers.

   Example:  I9  = D1145427
             I9A = D1145428

2. The assessment of each functional limitation (e.g., having trouble walking) required two items in the battery, one asking if the limitation was present, and the other asking for how long. The information in the pair of items was combined into a new variable (e.g., NI9) such that:

   -1, -2, -3 = missing
   0  = no limitations
   1  = acute limitation (3 months or less)
   2  = chronic limitation (more than 3 months)

   Example: If (I9 EQ 2 and I9A EQ -1) NI9 = 0
             If (I9 EQ 1 and (I9A EQ 1 or 2)) NI9 = 1
             If (I9 EQ 1 and I9A EQ -3) NI9 = 2
             If (I9 EQ 1 and I9A EQ -1) NI9 = -1
             If (I9 EQ -1) NI9 = -2
             If (I9 EQ 2 and I9A NE -1) NI9 = -3

3. Any necessary intermediate multi-item variables (e.g., mobility limitations (MOB) or limitations in either item 12 or 14 (VAR1214)) were calculated.

4. Derived variable scores and data status indicators were calculated.
Table A.3

SUMMARY OF ITEMS USED IN THE FUNCTIONAL LIMITATIONS SCALES FOR SEATTLE, FITCHBURG/FRANKLIN COUNTY, AND CHARLESTON/GEORGETOWN COUNTY ENROLLMENT

<table>
<thead>
<tr>
<th>Scale/Item Number</th>
<th>DEI</th>
<th>Variable Name</th>
<th>Abbreviated Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Limitations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8800</td>
<td>I8</td>
<td>Able to drive</td>
</tr>
<tr>
<td>9</td>
<td>8801</td>
<td>I9</td>
<td>How long</td>
</tr>
<tr>
<td>9-A</td>
<td>8802</td>
<td>I9A</td>
<td>Need assistance traveling</td>
</tr>
<tr>
<td>10</td>
<td>8803</td>
<td>I10</td>
<td>How long</td>
</tr>
<tr>
<td>10-A</td>
<td>5426</td>
<td>I10A</td>
<td>Stay indoors</td>
</tr>
<tr>
<td>11</td>
<td>5427</td>
<td>I11</td>
<td>How long</td>
</tr>
<tr>
<td>11-A</td>
<td>3687</td>
<td>I11A</td>
<td>In bed or chair</td>
</tr>
<tr>
<td>12</td>
<td>5428</td>
<td>I12</td>
<td>How long</td>
</tr>
<tr>
<td>12-A</td>
<td>5429</td>
<td>I12A</td>
<td>Vigorous activities</td>
</tr>
<tr>
<td>13</td>
<td>5430</td>
<td>I13</td>
<td>Walk several blocks, climb few flights of stairs</td>
</tr>
<tr>
<td>13-A</td>
<td>5431</td>
<td>I13A</td>
<td>How long</td>
</tr>
<tr>
<td>14</td>
<td>5432</td>
<td>I14</td>
<td>Bending, lifting, stooping</td>
</tr>
<tr>
<td>14-A</td>
<td>5433</td>
<td>I14A</td>
<td>How long</td>
</tr>
<tr>
<td>15</td>
<td>5434</td>
<td>I15</td>
<td>Walk one block, climb one flight of stairs</td>
</tr>
<tr>
<td>15-A</td>
<td>5435</td>
<td>I15A</td>
<td>How long</td>
</tr>
<tr>
<td>19</td>
<td>3673</td>
<td>I19</td>
<td>Self-care</td>
</tr>
<tr>
<td>19-A</td>
<td>3674</td>
<td>I19A</td>
<td>How long</td>
</tr>
<tr>
<td><strong>Role Limitations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>8804</td>
<td>I17</td>
<td>Limited in kinds, amount of work</td>
</tr>
<tr>
<td>17-A</td>
<td>8805</td>
<td>I17A</td>
<td>How long</td>
</tr>
<tr>
<td>18</td>
<td>3665</td>
<td>I18</td>
<td>Unable to work</td>
</tr>
<tr>
<td>18-A</td>
<td>3666</td>
<td>I18A</td>
<td>How long</td>
</tr>
<tr>
<td>20</td>
<td>5372</td>
<td>I20</td>
<td>Limited in any way</td>
</tr>
<tr>
<td>20-A</td>
<td>5373</td>
<td>I20A</td>
<td>How long</td>
</tr>
</tbody>
</table>

a Functional Limitations battery, Version II.
b From Form A, Enrollment Medical History Questionnaire.
Table A.4
PERSONAL LIMITATIONS SCALES
( Functional Limitations Battery, Version II )

<table>
<thead>
<tr>
<th>Scale Score</th>
<th>(Item 19)(^a)</th>
<th>(Items 8-11)</th>
<th>(Item 15) Trouble walking one block or climbing one flight of stairs</th>
<th>(Item 13) Trouble walking several blocks or climbing a few flights of stairs</th>
<th>(Item 12 or 14) Limited in vigorous activities or in bending, lifting, or stooping</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>1</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>0</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

\(^a\) Item number from Form A, Enrollment Medical History Questionnaire.
Table A.5
ROLE LIMITATIONS SCALES
(Functional Limitations Battery, Version II)

<table>
<thead>
<tr>
<th>Scale Score</th>
<th>(Item 18)&lt;sup&gt;a&lt;/sup&gt;</th>
<th>(Item 17)</th>
<th>(Item 20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>1</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>0</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

<sup>a</sup>Item numbers from Form A, Enrollment Medical History Questionnaire.
Table A.6

PERSONAL LIMITATIONS SCALE SCORES ASSIGNED TO ADULTS (AGED 14-61) WITH MISSING DATA, INCONSISTENT DATA, AND ERROR PATTERNS ON SCALE ITEMS

(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Response Pattern</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Item 19</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
<td>Item 13</td>
</tr>
<tr>
<td></td>
<td>Limited in self-care</td>
<td>Limited in mobility</td>
<td>Walking one block or climbing one flight of stairs</td>
<td>Walking several blocks or climbing two flights of stairs</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td>Sitting or walking</td>
<td></td>
</tr>
<tr>
<td>Missing Data</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>13</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>missing</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>13</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>missing</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
### Table A.6—continued

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Number</th>
<th>Limited in Ambulatory</th>
<th>Limited in Bending, Sitting, or Stilling</th>
<th>Limited in Either Activity</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(Items 18, 19, and 20)</td>
<td>(Items 9, 10, and 11)</td>
<td>(Items 17 and 18)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M1</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M2</td>
<td>not limited</td>
<td></td>
<td>limited-walking or 2</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M3</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M4</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>total number of persons with both bending and sitting impairments</td>
<td></td>
<td></td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E1</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E2</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E3</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E4</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E5</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E6</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E7</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E8</td>
<td>not limited</td>
<td></td>
<td>not limited</td>
<td>limited-walking or 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>limited-walking or 2 (on one or both items)</td>
<td></td>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Response Pattern</td>
<td>Limited in either activity</td>
<td>Number of Persons</td>
<td>Chronic limitations</td>
<td>Any limitations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------------</td>
<td>-------------------</td>
<td>--------------------</td>
<td>-----------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seattle/Franklin Co.</td>
<td>Data status indicator</td>
<td>Assigned state score</td>
<td>Assigned state score</td>
<td>Data status indicator</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>not limited</td>
<td>not limited</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>134</td>
<td>not limited</td>
<td>not limited</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>not limited</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>not limited</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>137</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>142</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>146</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>148</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>149</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>152</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>153</td>
<td>limited-chronic</td>
<td>limited-acute</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Total number of persons with inconsistent data: 18
<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>Item 10</th>
<th>Item 11</th>
<th>Item 12</th>
<th>Item 13</th>
<th>Item 14</th>
<th>Item 15</th>
<th>Item 16</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>A2</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>A3</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>A4</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>A5</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>A6</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>A7</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>A8</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>2</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>A9</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>12</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>A10</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Total number of persons with error patterns: 19

Table A.6—continued

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>Item 10</th>
<th>Item 11</th>
<th>Item 12</th>
<th>Item 13</th>
<th>Item 14</th>
<th>Item 15</th>
<th>Item 16</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B2</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>B3</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>4</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>B4</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>B5</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>2</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>B6</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>12</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>B7</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>B8</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B9</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>B10</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Total number of persons with error patterns: 25

*Not applicable.*
Table A.7
ROLE LIMITATIONS SCALE SCORES ASSIGNED TO ADULTS (AGED 14-61) WITH MISSING DATA, INCONSISTENT DATA, AND ERROR PATTERNS ON SCALE ITEMS
(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>Response Pattern</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Ann Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Item 18)</td>
<td>(Item 17)</td>
<td>(Item 20)</td>
<td>Pittsburgh/ Franklin Co.</td>
</tr>
<tr>
<td>Missing Data</td>
<td>Unable to work</td>
<td>Limited in work</td>
<td>Limited in any way</td>
<td>Seattle</td>
</tr>
<tr>
<td>M1</td>
<td>missing both items</td>
<td>missing both items</td>
<td>missing both items</td>
<td>2</td>
</tr>
<tr>
<td>M2</td>
<td>missing both items</td>
<td>missing both items</td>
<td>missing - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M3</td>
<td>missing both items</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M4</td>
<td>limited - missing</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M5</td>
<td>limited - missing</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M6</td>
<td>limited - chronic</td>
<td>limited - missing</td>
<td>limited - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M7</td>
<td>not limited</td>
<td>not limited</td>
<td>limited - missing</td>
<td>6</td>
</tr>
<tr>
<td>M8</td>
<td>not limited</td>
<td>not limited</td>
<td>missing - chronic</td>
<td>1</td>
</tr>
<tr>
<td>M9</td>
<td>limited - missing</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>0</td>
</tr>
<tr>
<td>M10</td>
<td>missing both items</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>M11</td>
<td>not limited</td>
<td>limited - missing</td>
<td>limited - missing</td>
<td>0</td>
</tr>
<tr>
<td>M12</td>
<td>limited - chronic</td>
<td>missing both items</td>
<td>limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>M13</td>
<td>not limited</td>
<td>limited - missing</td>
<td>not limited</td>
<td>0</td>
</tr>
<tr>
<td>M14</td>
<td>missing both items</td>
<td>missing both items</td>
<td>not limited</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Total number of persons with missing data</td>
<td>36</td>
<td>3</td>
<td>12</td>
</tr>
</tbody>
</table>

Missing and Inconsistent Data

| M11            | not limited - acute | limited - acute | missing both items | 0   | 0  | 1   | -1 | -1 | -1 | 2  |
|                | Total number of persons with both missing and inconsistent data | 0 | 0  | 1  |     |

Inconsistent Data

| Item | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - acute | not limited - chronic | not limited - chronic | not limited - chronic | not limited - chronic | not limited - chronic | not limited - chronic | not limited - chronic | not limited - chronic |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 11   | 2                   | 3                   | 18                  | 0                   | 1                   | 0                   | 2                   |
| 12   | 5                   | 0                   | 5                   | 0                   | 1                   | 0                   | 2                   |
| 13   | 1                   | 0                   | 0                   | 1                   | 0                   | 0                   | 2                   |
| 14   | 2                   | 0                   | 0                   | 0                   | 0                   | 0                   | 2                   |
| 15   | 2                   | 0                   | 1                   | 0                   | 1                   | 0                   | 2                   |
| 16   | 1                   | 0                   | 1                   | 0                   | 0                   | 0                   | 2                   |
| 17   | 1                   | 0                   | 1                   | 0                   | 0                   | 0                   | 2                   |
Table A.7—continued

<table>
<thead>
<tr>
<th>Number</th>
<th>Response Pattern</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Item 18)</td>
<td>(Item 17)</td>
<td>(Item 20)</td>
<td>Pittsburgh/</td>
</tr>
<tr>
<td>18</td>
<td>not limited - chronic</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>not limited - chronic</td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
</tr>
<tr>
<td>110</td>
<td>not limited</td>
<td>not limited - chronic</td>
<td>limited - chronic</td>
<td>2</td>
</tr>
<tr>
<td>111</td>
<td>not limited</td>
<td>not limited - chronic</td>
<td>limited - chronic</td>
<td>2</td>
</tr>
<tr>
<td>112</td>
<td>not limited - acute</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>113</td>
<td>limited - chronic</td>
<td>not limited - chronic</td>
<td>limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>114</td>
<td>limited - acute</td>
<td>limited - chronic</td>
<td>not limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>115</td>
<td>not limited</td>
<td>limited - acute</td>
<td>not limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>116</td>
<td>not limited - acute</td>
<td>not limited - chronic</td>
<td>not limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>117</td>
<td>not limited - acute</td>
<td>not limited - acute</td>
<td>not limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>118</td>
<td>not limited - acute</td>
<td>limited - acute</td>
<td>limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>119</td>
<td>not limited - acute</td>
<td>not limited - acute</td>
<td>limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>120</td>
<td>not limited - acute</td>
<td>limited - chronic</td>
<td>not limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>121</td>
<td>not limited - acute</td>
<td>not limited - acute</td>
<td>not limited</td>
<td>0</td>
</tr>
<tr>
<td>122</td>
<td>not limited - acute</td>
<td>not limited - acute</td>
<td>not limited - acute</td>
<td>0</td>
</tr>
<tr>
<td>123</td>
<td>not limited - acute</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>0</td>
</tr>
<tr>
<td>124</td>
<td>not limited</td>
<td>not limited - chronic</td>
<td>not limited</td>
<td>0</td>
</tr>
</tbody>
</table>

Total number of persons with inconsistent data: 21

Error Patterns - Chronic Scale

<table>
<thead>
<tr>
<th></th>
<th>limited - chronic</th>
<th>not limited</th>
<th>limited - chronic</th>
<th>4</th>
<th>0</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>NA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC2</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>NA</td>
</tr>
<tr>
<td>EC3</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>16</td>
<td>6</td>
<td>8</td>
<td>3</td>
<td>2</td>
<td>NA</td>
</tr>
<tr>
<td>EC4</td>
<td>limited - acute</td>
<td>limited - chronic</td>
<td>limited - acute</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>NA</td>
</tr>
<tr>
<td>EC5</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>NA</td>
</tr>
<tr>
<td>EC6</td>
<td>limited - chronic</td>
<td>limited - acute</td>
<td>not limited</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>2</td>
<td>NA</td>
</tr>
</tbody>
</table>

Total number of persons with error patterns: 23

Error Patterns - Any Limitation Scale

<table>
<thead>
<tr>
<th></th>
<th>limited</th>
<th>not limited</th>
<th>limited</th>
<th>5</th>
<th>1</th>
<th>5</th>
<th>KA = 3</th>
<th>2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EA2</td>
<td>limited</td>
<td>not limited</td>
<td>not limited</td>
<td>4</td>
<td>1</td>
<td>6</td>
<td>KA = 3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EA3</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>19</td>
<td>7</td>
<td>9</td>
<td>KA = 2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EA4</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>KA = 3</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Total number of persons with error patterns: 38

*Not applicable.
Version I: Dayton Enrollment

Functional limitations measures were developed for people enrolled in Dayton to correspond as closely as possible to the measures constructed from Version II of the batteries used at all other sites. A list of items used to score the Dayton enrollment functional limitations measures is presented in Table A.8. A representation of the perfect response patterns (i.e., as determined by scalogram analysis) is presented in Table A.9 for the personal limitations scales and in Table A.10 for the role limitations scales. A summary of the patterns of responses for which scale scores were estimated is presented in Table A.11 for the two personal limitations scales and in Table A.12 for the two role limitations scales. A listing of the SPSS computer programming statements used to calculate the scales at enrollment in Dayton is presented in Appendix B.

PHYSICAL CAPACITIES

There are three versions of the Physical Capacities battery: one was administered only at enrollment in Dayton, the second was administered in all other sites at enrollment, and the third was administered at exit from all sites. Only the scoring of the first two versions is described in this section. The third version is nearly identical to the second and will be scored in the same way. Photocopies of the batteries are presented in Appendixes D (Version II) and E (Version III).
Table A.8
SUMMARY OF ITEMS USED IN THE FUNCTIONAL LIMITATIONS SCALES FOR
DAYTON ENROLLMENT

<table>
<thead>
<tr>
<th>Scale/Item Number&lt;sup&gt;a&lt;/sup&gt;</th>
<th>DEI</th>
<th>Computer Variable Name</th>
<th>Abbreviated Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Limitations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>3673</td>
<td>I17</td>
<td>Need help eating, dressing</td>
</tr>
<tr>
<td>18</td>
<td>3674</td>
<td>I18</td>
<td>-----How long</td>
</tr>
<tr>
<td>19</td>
<td>3675</td>
<td>I19</td>
<td>Trouble walking</td>
</tr>
<tr>
<td>20</td>
<td>3676</td>
<td>I20</td>
<td>-----How long</td>
</tr>
<tr>
<td>21</td>
<td>3677</td>
<td>I21</td>
<td>Unable to drive</td>
</tr>
<tr>
<td>22</td>
<td>3678</td>
<td>I22</td>
<td>-----How long</td>
</tr>
<tr>
<td>23</td>
<td>3679</td>
<td>I23</td>
<td>Trouble walking far and fast</td>
</tr>
<tr>
<td>24</td>
<td>3680</td>
<td>I24</td>
<td>-----How long</td>
</tr>
<tr>
<td>29</td>
<td>3685</td>
<td>I29</td>
<td>Need help to go outside</td>
</tr>
<tr>
<td>30</td>
<td>3686</td>
<td>I30</td>
<td>-----How long</td>
</tr>
<tr>
<td>31</td>
<td>3687</td>
<td>I31</td>
<td>In bed or chair</td>
</tr>
<tr>
<td>32</td>
<td>3688</td>
<td>I32</td>
<td>-----How long</td>
</tr>
<tr>
<td>33</td>
<td>3689</td>
<td>I33</td>
<td>Trouble climbing stairs</td>
</tr>
<tr>
<td>34</td>
<td>3690</td>
<td>I34</td>
<td>-----How long</td>
</tr>
<tr>
<td>35</td>
<td>3691</td>
<td>I35</td>
<td>In hospital</td>
</tr>
<tr>
<td>36</td>
<td>3692</td>
<td>I36</td>
<td>-----How long</td>
</tr>
<tr>
<td><strong>Role Limitations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>3665</td>
<td>I9</td>
<td>Unable to work</td>
</tr>
<tr>
<td>10</td>
<td>3666</td>
<td>I10</td>
<td>-----How long</td>
</tr>
<tr>
<td>11</td>
<td>3667</td>
<td>I11</td>
<td>Unable to do certain kinds of work</td>
</tr>
<tr>
<td>12</td>
<td>3668</td>
<td>I12</td>
<td>-----How long</td>
</tr>
<tr>
<td>13</td>
<td>3669</td>
<td>I13</td>
<td>Limited in amount of work</td>
</tr>
<tr>
<td>14</td>
<td>3670</td>
<td>I14</td>
<td>-----How long</td>
</tr>
</tbody>
</table>

<sup>a</sup>Form A, Part 1, Enrollment Medical History Questionnaire, HIEI #46.
<table>
<thead>
<tr>
<th>Scale</th>
<th>Score</th>
<th>Limited in self-care mobility</th>
<th>Limited in walking far</th>
<th>Limited in walking or fast or climbing stairs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

*Item numbers from Form A, Enrollment Medical History Questionnaire.*
Table A.10

ROLE LIMITATIONS SCALES
(Dayton Enrollment Functional Limitations Battery)

<table>
<thead>
<tr>
<th>Scale Score</th>
<th>(Item 9)(^a) Unable to work</th>
<th>(Items 11 and 13) Limited in kind or amount of work</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>1</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>0</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

\(^a\)Item numbers from Form A, Enrollment Medical History Questionnaire.
Table A.11
PERSONAL LIMITATIONS SCALE SCORES ASSIGNED TO ADULTS WITH ERROR PATTERNS AND MISSING DATA ON SCALE ITEMS
(Dayton Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>(Item 17) Limited in self-care</th>
<th>(Item 19) Limited in mobility</th>
<th>(Item 19) Limited in walking</th>
<th>(Items 23 and 33) Limited in walking fast or far or climb a flight of stairs</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Assigned Scale Score</td>
<td>Data Status Indicator&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Assigned Scale Score</td>
</tr>
<tr>
<td>Missing Data</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M1</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 missing</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>M2</td>
<td>not limited</td>
<td>1 missing</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Error Patterns</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E1</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>E2</td>
<td>not limited</td>
<td>limited - chronic&lt;sup&gt;a&lt;/sup&gt;</td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E3</td>
<td>not limited</td>
<td>limited - acute</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>2</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>E4</td>
<td>not limited</td>
<td>limited - acute</td>
<td>not limited</td>
<td>not limited</td>
<td>3</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>E5</td>
<td>not limited</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>E6</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>limited - chronic</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>E7</td>
<td>limited - chronic</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>E8</td>
<td>not limited</td>
<td>limited - chronic</td>
<td>limited - acute</td>
<td>limited - chronic</td>
<td>1</td>
<td>3</td>
<td>NA</td>
</tr>
<tr>
<td>E9</td>
<td>not limited</td>
<td>limited - acute</td>
<td>not limited</td>
<td>limited - acute</td>
<td>1</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

<sup>a</sup>The only limitation is in driving.
<sup>b</sup>NA = not applicable, i.e., not an error pattern for this scale.
Table A.12

ROLE LIMITATIONS SCALE SCORES ASSIGNED TO PEOPLE WITH ERROR PATTERNS AND MISSING DATA ON SCALE ITEMS

(Dayton Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>Unable to work (Item 9)</th>
<th>Limited in kind or amount of work (Items 11, 13)</th>
<th>Number of Persons</th>
<th>Chronic Limitations</th>
<th>Any Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1 limited-chronic 1 limited-duration missing 1 not limited</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>E1 limited-chronic not limited</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
Version II

A summary of the basic procedure used to calculate the Physical Capacities scale for Version II is presented in Table A.13.

A list of items used to score the Physical Capacities scale from the Version II battery is presented in Table A.14, including the item number, DEI, computer variable name, and abbreviated item content. A representation of the perfect response patterns and the scores assigned to each are shown in Table A.15. A summary of the pattern of responses for which scores were estimated (i.e., patterns not conforming to perfect scale types) is presented in Table A.16. A list of the SPSS programming statements used to calculate the scale is presented in Appendix B.

Version I: Dayton Enrollment

In Dayton, a scale was constructed to be most similar to the one developed from Version II of the Physical Capacities battery. A list of items from Version I of this battery is presented in Table A.17. A representation of the perfect response patterns and the scores assigned to each are shown in Table A.18.

A summary of the patterns of responses for which scale scores were estimated is presented in Table A.19. A list of the SPSS programming statements used to calculate the scale is presented in Appendix B.
Table A.13
SUMMARY OF PROCESS OF CALCULATING THE PHYSICAL CAPACITIES SCALE

1. Change variable names from DEIs to names reflecting item numbers.
   Example: I224 = D1164463

2. For each physical capacities item (e.g., able to walk), if a person responded as having some limitation, that person was asked to indicate the reason from a list. The last reason provided was "Some other problem. What?" Identifying numbers (e.g., D116CSEQ) of all these people who wrote in a reason were listed. Original questionnaires were pulled and all responses read and catalogued.

3. For those people who gave as their reason pregnancy or any non-health reason (e.g., don't know how), the incapacity was recoded to a one (able to do the activity).

4. People who reported no incapacity on the first two items were instructed on the questionnaire to skip the remaining items, and thus received a missing value on the last 10 items. For these people, all these responses were recoded to "able" responses.

5. Items 225 and 226 were identical (necessary to incorporate the skip pattern instructions). However, many people answered both items. A new variable was computed that took an average of the two responses when this occurred.

6. Any necessary intermediate multi-item variables were calculated.

7. Derived variable and data status indicators were calculated.

\(^{a}\)Version II.
Table A.14

SUMMARY OF ITEMS INCLUDED IN THE PHYSICAL CAPACITIES SCALE FOR SEATTLE, FITCHBURG/FRANKLIN COUNTY, CHARLESTON/GEORGETOWN COUNTY ENROLLMENT^a

<table>
<thead>
<tr>
<th>Item Number^b</th>
<th>DEI</th>
<th>Computer Variable Name</th>
<th>Abbreviated Item Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>224</td>
<td>4463</td>
<td>I224</td>
<td>Hard activities at home</td>
</tr>
<tr>
<td>225^c</td>
<td>4461</td>
<td>I225</td>
<td>Active sports</td>
</tr>
<tr>
<td>226^c</td>
<td>4762</td>
<td>I226</td>
<td>Active sports</td>
</tr>
<tr>
<td>227</td>
<td>4459</td>
<td>I227</td>
<td>Moderate work at home</td>
</tr>
<tr>
<td>228</td>
<td>4453</td>
<td>I228</td>
<td>Do light housework</td>
</tr>
<tr>
<td>229</td>
<td>4457</td>
<td>I229</td>
<td>Run a short distance</td>
</tr>
<tr>
<td>230</td>
<td>4455</td>
<td>I230</td>
<td>Walk uphill or upstairs</td>
</tr>
<tr>
<td>231</td>
<td>4451</td>
<td>I231</td>
<td>Walk a block or more</td>
</tr>
<tr>
<td>232</td>
<td>4449</td>
<td>I232</td>
<td>Walk around inside</td>
</tr>
<tr>
<td>233</td>
<td>4447</td>
<td>I233</td>
<td>Walk to table</td>
</tr>
<tr>
<td>234</td>
<td>4445</td>
<td>I234</td>
<td>Dress self</td>
</tr>
<tr>
<td>235</td>
<td>9071</td>
<td>I235</td>
<td>Eat without help</td>
</tr>
<tr>
<td>236</td>
<td>9073</td>
<td>I236</td>
<td>Use bathroom without help</td>
</tr>
</tbody>
</table>

^aVersion II.
^bFrom Form B, Enrollment Medical History Questionnaire.
^cIdentically worded items (necessary to incorporate skip pattern).
Table A.15
PHYSICAL CAPACITIES SCALE
(Version II)

<table>
<thead>
<tr>
<th>(Items 234, 235 and 236)³ Limit in self-care activities</th>
<th>(Items 232 and 233) Limited in walking around inside house</th>
<th>(Item 228) Limited in light housework</th>
<th>(Item 227 or 231) Limited in moderate housework or walking a block or more</th>
<th>(Items 229 and 230) Limited in running a short distance or walking uphill or upstairs</th>
<th>(Items 224 and 225) Limited in hard activities at home or in active sports</th>
</tr>
</thead>
<tbody>
<tr>
<td>0  yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>1  no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2  no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3  no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4  no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5  no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>6  no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

³Item numbers from Form B, Enrollment Medical History Questionnaire.
### Table A.16

**Physical Capacities Scale Scores Assigned to Adults (Aged 14–61) With Missing Data and Error Patterns on Scale Items**

*(Enrollment Medical History Questionnaire)*

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>Item 274, 275, or 276</th>
<th>Item 277 or 278</th>
<th>Item 279 or 281</th>
<th>Item 290 or 291</th>
<th>Item 292 or 293</th>
<th>Assigned Scale Score</th>
<th>Data Source Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1 missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>limited</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>M2</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>limited</td>
<td>not limited</td>
<td>6</td>
<td>-1</td>
</tr>
<tr>
<td>M3 not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>M4</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M5 not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M6</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>not limited</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>M7 missing</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M8</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M9 1 not limited</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M10</td>
<td>limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M11</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M12 limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>M13 limited</td>
<td>missing</td>
<td>limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>M14 limited</td>
<td>missing</td>
<td>limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>M15 not limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>M16 not limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>M17 not limited</td>
<td>missing</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Pattern Number</td>
<td>P1 not limited</td>
<td>P2 not limited</td>
<td>P3 not limited</td>
<td>P4 not limited</td>
<td>P5 not limited</td>
<td>P6 not limited</td>
<td>P7 not limited</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>M19</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M20</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M21</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M22</td>
<td>not limited</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M23</td>
<td>1 limited</td>
<td>limited</td>
<td>1 limited</td>
<td>limited</td>
<td>limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M24</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M25</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M26</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M27</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>missing</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
<tr>
<td>M28</td>
<td>1 not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>1 limited</td>
<td>1 limited</td>
</tr>
</tbody>
</table>

**Total number of persons with missing data:** 49 15 20

**Error Patterns**

<table>
<thead>
<tr>
<th>Pattern Number</th>
<th>P1 limited</th>
<th>P2 limited</th>
<th>P3 limited</th>
<th>P4 limited</th>
<th>P5 limited</th>
<th>P6 limited</th>
<th>P7 limited</th>
<th>P8 limited</th>
<th>Number of Persons</th>
<th>Charles/ Franklin Co.</th>
<th>Fayette/</th>
<th>General Co.</th>
<th>Scale Score</th>
<th>Data Scale Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>E2</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>E3</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>4</td>
<td>5</td>
<td>11</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>E4</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>E5</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>limited</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Total number of persons with error patterns:** 12 7 14

---

*1 = Perfect scale score.
*1.5 = Limited score, probably accurate.
*1 = Limited score, may be inaccurate.
*1 = Total score unknown.
Table A.17
SUMMARY OF ITEMS INCLUDED IN THE PHYSICAL CAPACITIES SCALE FOR DAYTON ENROLLMENT

<table>
<thead>
<tr>
<th>Item Number&lt;sup&gt;a&lt;/sup&gt;</th>
<th>DEI</th>
<th>Computer Variable Name</th>
<th>Abbreviated Item Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>4445</td>
<td>I157</td>
<td>Dress self</td>
</tr>
<tr>
<td>158</td>
<td>4447</td>
<td>I158</td>
<td>Walk to table</td>
</tr>
<tr>
<td>159</td>
<td>4449</td>
<td>I159</td>
<td>Walk around inside</td>
</tr>
<tr>
<td>160</td>
<td>4451</td>
<td>I160</td>
<td>Walk a block or more</td>
</tr>
<tr>
<td>161</td>
<td>4453</td>
<td>I161</td>
<td>Do light housework</td>
</tr>
<tr>
<td>162</td>
<td>4455</td>
<td>I162</td>
<td>Walk uphill or upstairs</td>
</tr>
<tr>
<td>163</td>
<td>4457</td>
<td>I163</td>
<td>Run short distance</td>
</tr>
<tr>
<td>164</td>
<td>4459</td>
<td>I164</td>
<td>Move light furniture</td>
</tr>
<tr>
<td>165</td>
<td>4461</td>
<td>I165</td>
<td>Sports</td>
</tr>
<tr>
<td>166</td>
<td>4463</td>
<td>I166</td>
<td>Harder activities at home</td>
</tr>
</tbody>
</table>

<sup>a</sup>From Form B, Dayton Enrollment Medical History Questionnaire.
<table>
<thead>
<tr>
<th>Scale Score</th>
<th>(Item 157)(^a)</th>
<th>(Items 158, 159)</th>
<th>(Item 161)</th>
<th>(Items 160, 164)</th>
<th>(Items 162, 163)</th>
<th>(Items 165, 166)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>1</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>3</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>4</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>5</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>6</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
</tbody>
</table>

\(^a\)Item numbers from Form B, Enrollment Medical History Questionnaire.
<table>
<thead>
<tr>
<th>Limited in dressing self</th>
<th>Limited in walking inside house</th>
<th>Limited in light housework</th>
<th>Limited in moderate housework or walking a block or more</th>
<th>Limited in running a short distance or walking uphill or upstairs</th>
<th>Limited in hard activities at home or in sports</th>
<th>Assigned Scale Score</th>
<th>Data Status Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Item 157)</td>
<td>Walk to table (Item 158)</td>
<td>Walk inside (Item 159)</td>
<td>Homework (Item 164)</td>
<td>Walking (Item 162)</td>
<td>Run (Item 163)</td>
<td>Number of Persons</td>
<td></td>
</tr>
<tr>
<td>not limited</td>
<td>not limited</td>
<td>not limited</td>
<td>not limited missing</td>
<td>not limited not limited</td>
<td>not limited not limited</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Missing Data**

**Error Patterns**

| not limited              | not limited                   | not limited               | not limited missing                                    | not limited not limited                          | not limited not limited                      | 1                   | 0                 | 1                 |
|--------------------------|-------------------------------|---------------------------|--------------------------------------------------------|-------------------------------------------------|------------------------------------------|---------------------|-------------------|
| not limited              | not limited                   | not limited               | not limited missing                                    | not limited not limited                          | not limited                | 2                   | 1                 | 2                 |
| not limited              | not limited                   | not limited               | not limited missing                                    | not limited not limited                          | not limited                | 8                   | 1                 | 2                 |
| not limited              | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 2                   | 1                 | 2                 |
| not limited              | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 1                 | 2                 |
| not limited              | not limited                   | limited limited           | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 2                 | 2                 |
| limited                  | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 2                 | 2                 |
| limited                  | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 3                 | 2                 |
| limited                  | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 3                 | 2                 |
| limited                  | not limited                   | not limited               | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 4                 | 2                 |
| limited                  | not limited                   | limited limited           | not limited missing                                    | limited limited                                  | limited limited             | 1                   | 5                 | 2                 |

Total number of persons with error patterns: 20

---

9g = Perfect scale type.
1 = Estimated score, probably accurate.
2 = Estimated score, may be inaccurate.
-1 = Scale score missing.
PERSONAL FUNCTIONING INDEX

The Personal Functioning Index (PFI) is scored by combining information from the Physical Capacities and the Any Personal Limitations scales.

The Physical Capacities and Personal Limitations-Any Duration scales were slightly different for Dayton enrollment from the other sites at enrollment because of questionnaire revisions.

The Personal Limitations scale is a six-level Guttman scale based on nine items from the Functional Limitations battery. This battery is administered at enrollment and at one-year intervals throughout the experiment. The Personal Limitations scale is scored so that a high score indicates more limitations. Its computer name is APERS00B for all sites at enrollment except Dayton; we refer to it as APERS00A for Dayton enrollment. The measure APERS00B was developed with scores ranging from 0 to 5. The Dayton enrollment measure (APERS00A) was developed with scores ranging from 0 to 4.

The Physical Capacities scale is a seven-level Guttman scale based on 12 items from the Physical Capacities battery. This battery is administered at enrollment and exit only. The Physical Capacities measure is scored so that a high score indicates greater capacity. Its computer name is CAP00B for all sites except Dayton at enrollment and CAP00A for Dayton enrollment. Both CAP00B and CAP00A were developed with scores ranging from 0 to 6 (although the meaning of the scores is slightly different for the two measures due to slight item differences).

Because the Physical Capacities battery is administered at enrollment and exit only, the PFI can only be scored at these two times.
Scoring for All Sites Except Dayton

For all sites at enrollment except Dayton, the PFI is scored according to the pattern shown in Table A.20. A high score on this index indicates better functioning.

If a person is missing a score on either Physical Capacities or Personal Limitations—Any Duration, a score will be assigned on the PFI based on the available score as follows:

<table>
<thead>
<tr>
<th>Available Raw Score</th>
<th>Physical Capacities</th>
<th>Personal Limitations</th>
<th>PFI Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>0</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2,1,0</td>
<td>4,5</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

The reasoning behind these missing score assignments is that if a person has no limitation on one measure, the probability of no limitations on the other is higher than the probability of being at the first level. Similarly, if a person is at the first level on one measure, the probability of being at the first level on the other (and thereby receiving a score of 3 on the PFI) is greater than having no limitations on the other (and thereby receiving a score of 4 on the PFI).

The highest data status indicator associated with the two measures should be assigned to the PFI (i.e., if scale scores are estimated on one or both of the two measures, the DSI on the PFI should reflect this).
Table A.20
PERSONAL FUNCTIONING INDEX: SCORING PATTERN FOR ALL SITES EXCEPT DAYTON

<table>
<thead>
<tr>
<th>Physical Capacities</th>
<th>Score 0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greatest capacity</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Poorest capacity</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*aScore on the Personal Functioning Index:
  5 Not limited on either scale
  4 Level one on either scale but not on both
  3 Level one on both scales
  2 Level two on either or both scales
  1 Level three on either or both scales
  0 Level four or greater on either or both scales

Dayton Enrollment

The PFI is scored according to the pattern shown in Table A.21 for Dayton enrollment only.

There are slight differences in this score for Dayton. Although the Physical Capacities measure is fairly comparable in all six sites, the Personal Limitations measure in Dayton does not assess limitations in vigorous activities. To further complicate the matter, the Physical
Table A.21
PERSONAL FUNCTIONING INDEX: SCORING PATTERN
FOR DAYTON ENROLLMENT ONLY

<table>
<thead>
<tr>
<th>Physical Capacities</th>
<th>Score</th>
<th>No Limitations</th>
<th>Maximum Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greatest capacity</td>
<td></td>
<td>0 1 2 3 4</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>5(^a)</td>
<td>2 1 0 0</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>2 1 0 0</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>2 1 0 0</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>1 1 0 0</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>0 0 0 0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0 0 0 0</td>
<td></td>
</tr>
<tr>
<td>Poorest capacity</td>
<td>0</td>
<td>0 0 0 0</td>
<td></td>
</tr>
</tbody>
</table>

\(^a^\text{Score on the Personal Functioning Index:} \\
5 \text{ Not limited on either scale} \\
4 \text{ Limited in strenuous activities} \\
(3) \text{ Not possible in Dayton (limited in strenuous activities on both scales)} \\
2 \text{ Level three on Physical Capacities or level two on Personal Limitations} \\
1 \text{ Level four on Physical Capacities or level three on Personal Limitations} \\
0 \text{ Level five or greater on Physical Capacities or level four or greater on Personal Limitations}

Capacities measure was only scored for enrollees who filled out Form B of the Medical History Questionnaire. Not everyone did so in Dayton at enrollment. Note also that Dayton enrollment scores on the PFI will range from 0 to 5 as in the other sites, but a score of 3 will not be
possible, as this score indicates a limitation in strenuous activities on both measures.

If a person is missing scores on one of the measures (and a sizable number are missing Physical Capacities scores because of not filling out Form B), the following assignments will be made based on the available score:

<table>
<thead>
<tr>
<th>Physical Capacities</th>
<th>Any Personal Limitations</th>
<th>PFI Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>2,1,0</td>
<td>3,4</td>
<td>0</td>
</tr>
</tbody>
</table>

A separate variable should be constructed indicating whether or not a person completed Form B of the enrollment Medical History Questionnaire. This would allow analysts to create a Form B by PFI interaction term to account for a method artifact. Again, the highest data status indicator associated with the two measures should be assigned to the PFI.
Appendix B


COMMENT  WYLBUR SETUP ON--$:S.8542.ARG023.FUNCTION.PERSLIMS

GET FILE
ALLOCATE
TRANSPACE=70000

COMMENT

CALCULATES INDEX SCORES FOR THE FOLLOWING PERSONAL LIMITATIONS INDEXES:

INDEX
----
CHRONIC PERSONAL LIMITATIONS CPERS00B
ANY PERSONAL LIMITATIONS APERS00B
DATA STATUS INDICATOR-CHRONIC DSCPR00B
PERSONAL LIMITATIONS
DATA STATUS INDICATOR-ANY DSAPR00B
PERSONAL LIMITATIONS

THIS SETUP CAN BE USED ON ANY FILE IN WHICH DEI’S HAVE BEEN CHANGED TO QUESTIONNAIRE ITEM NUMBERS:

<table>
<thead>
<tr>
<th>DEI</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>8800</td>
<td>18</td>
</tr>
<tr>
<td>8801</td>
<td>18A</td>
</tr>
<tr>
<td>8802</td>
<td>19</td>
</tr>
<tr>
<td>8803</td>
<td>19A</td>
</tr>
<tr>
<td>5426</td>
<td>110</td>
</tr>
<tr>
<td>5427</td>
<td>110A</td>
</tr>
<tr>
<td>3687</td>
<td>111</td>
</tr>
<tr>
<td>3688</td>
<td>111A</td>
</tr>
<tr>
<td>5428</td>
<td>112</td>
</tr>
<tr>
<td>5429</td>
<td>112A</td>
</tr>
<tr>
<td>5430</td>
<td>113</td>
</tr>
<tr>
<td>5431</td>
<td>113A</td>
</tr>
<tr>
<td>5432</td>
<td>114</td>
</tr>
<tr>
<td>5433</td>
<td>114A</td>
</tr>
<tr>
<td>5434</td>
<td>115</td>
</tr>
<tr>
<td>5435</td>
<td>115A</td>
</tr>
<tr>
<td>3673</td>
<td>119</td>
</tr>
<tr>
<td>3674</td>
<td>119A</td>
</tr>
</tbody>
</table>

PEOPLE WHOSE PATTERN OF RESPONSES ARE NOT PROGRAMMED HERE WILL RECEIVE A SCORE OF 999 ON THAT INDEX AND WILL BE LISTED AT THE END OF THIS PROGRAM - PROGRAMMING STATEMENTS WILL HAVE TO BE ADDED FOR THESE PEOPLE.

COMMENT

COMPUTE NEW ITEM VARIABLES WITH THE FOLLOWING RESPONSE CODES:

0 - NOT LIMITED
1 - ACUTE LIMITATION (3 MONTHS OR LESS)
2 - CHRONIC LIMITATION (MORE THAN 3 MONTHS)
-1 - MISSING DURATION ITEM BUT LIMITED
-2 - MISSING MAIN ITEM
IF ((18 EQ 2 OR 3) AND I8A EQ -1) N18=0
IF (18 EQ 1 AND (I8A EQ 1 OR 2)) N18=1
IF (18 EQ 1 AND I8A EQ 3) N18=2
IF (18 EQ 1 AND I8A EQ -1) N18=-1
IF (18 EQ -1) N18=-2
IF ((18 EQ 2 OR 3) AND I8A NE -1) N18=-3

IF (19 EQ 2 AND I9A EQ -1) N19=0
IF (19 EQ 1 AND (I9A EQ 1 OR 2)) N19=1
IF (19 EQ 1 AND I9A EQ 3) N19=2
IF (19 EQ 1 AND I9A EQ -1) N19=-1
IF (19 EQ -1) N19=-2
IF (19 EQ 2 AND I9A NE -1) N19=-3

IF (110 EQ 2 AND I10A EQ -1) N110=0
IF (110 EQ 1 AND (I10A EQ 1 OR 2)) N110=1
IF (110 EQ 1 AND I10A EQ 3) N110=2
IF (110 EQ 1 AND J10A EQ -1) N110=-1
IF (110 EQ -1) N110=-2
IF (110 EQ 2 AND I10A NE -1) N110=-3

IF (111 EQ 2 AND I11A EQ -1) N111=0
IF (111 EQ 1 AND (I11A EQ 1 OR 2)) N111=1
IF (111 EQ 1 AND I11A EQ 3) N111=2
IF (111 EQ 1 AND I11A EQ -1) N111=-1
IF (111 EQ -1) N111=-2
IF (111 EQ 2 AND I11A NE -1) N111=-3

IF (112 EQ 2 AND I12A EQ -1) N112=0
IF (112 EQ 1 AND (I12A EQ 1 OR 2)) N112=1
IF (112 EQ 1 AND I12A EQ 3) N112=2
IF (112 EQ 1 AND I12A EQ -1) N112=-1
IF (112 EQ -1) N112=-2
IF (112 EQ 2 AND I12A NE -1) N112=-3

IF (113 EQ 2 AND I13A EQ -1) N113=0
IF (113 EQ 1 AND (I13A EQ 1 OR 2)) N113=1
IF (113 EQ 1 AND I13A EQ 3) N113=2
IF (113 EQ 1 AND I13A EQ -1) N113=-1
IF (113 EQ -1) N113=-2
IF (113 EQ 2 AND I13A NE -1) N113=-3

IF (114 EQ 2 AND I14A EQ -1) N114=0
IF (114 EQ 1 AND (I14A EQ 1 OR 2)) N114=1
IF (114 EQ 1 AND I14A EQ 3) N114=2
IF (114 EQ 1 AND I14A EQ -1) N114=-1
IF (114 EQ -1) N114=-2
IF (114 EQ 2 AND I14A NE -1) N114=-3

IF (115 EQ 2 AND I15A EQ -1) N115=0
IF (115 EQ 1 AND (I15A EQ 1 OR 2)) N115=1
IF (115 EQ 1 AND I15A EQ 3) N115=2
IF (115 EQ 1 AND I15A EQ -1) N115=-1
IF (115 EQ -1) N115=-2
IF (115 EQ 2 AND I15A NE -1) N115=-3

IF (119 EQ 2 AND I19A EQ -1) N119=0
IF (119 EQ 1 AND (I19A EQ 1 OR 2)) N119=1
IF (I19 EQ 1 AND I19A EQ 3)  NI19=2
IF (I19 EQ 1 AND I19A EQ -1)  NI19=-1
IF (I19 EQ -1)  NI19=-2
IF (I19 EQ 2 AND I19A NE -1)  NI19=-3

COMMENT

******************************************************************************
CALCULATE MOBILITY VARIABLE
******************************************************************************

COMPUTE MOB=-2
IF (N18 EQ 0 AND NI9 EQ 0 AND NI10 EQ 0 AND NI11 EQ 0) MOB=0
IF (N18 EQ 1 OR NI9 EQ 1 OR NI10 EQ 1 OR NI11 EQ 1)MOB=1
IF (N18 EQ 2 OR NI9 EQ 2 OR NI10 EQ 2 OR NI11 EQ 2)MOB=2

MISSING VALUES MOB(-2)

COMMENT

******************************************************************************
COMPUTE VAR1214
******************************************************************************

COMPUTE VAR1214=-3
IF (N112 EQ 0 AND NI14 EQ 0)VAR1214=0
IF (N112 EQ 1 OR NI14 EQ 1)VAR1214=1
IF (N112 EQ 2 OR NI14 EQ 2) VAR1214=2

MISSING VALUES VAR1214(-3)

COMMENT

******************************************************************************
CHRONIC PERSONAL LIMITATIONS
******************************************************************************

COMPUTE PERFECT SCALE TYPES

COMPUTE DPSRC00B=0
COMPUTE CPERS00B=999

IF (N19 EQ 2 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=5
IF ((N19 EQ 1 OR 0) AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=4
IF ((N19 EQ 1 OR 0) AND (MOB EQ 1 OR 0) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=3
IF ((N19 EQ 1 OR 0) AND (MOB EQ 1 OR 0) AND (NI15 EQ 1 OR 0) AND NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=2
IF ((N19 EQ 1 OR 0) AND (MOB EQ 1 OR 0) AND (NI15 EQ 1 OR 0) AND (NI13 EQ 1 OR 0) AND VAR1214 EQ 2) CPERS00B=1
IF ((N19 EQ 1 OR 0) AND (MOB EQ 1 OR 0) AND (NI15 EQ 1 OR 0) AND (NI13 EQ 1 OR 0) AND (VAR1214 EQ 1 OR 0)) CPERS00B=0

COMMENT

******************************************************************************
ANY PERSONAL LIMITATIONS
******************************************************************************

COMPUTE PERFECT SCALE TYPES

COMPUTE DSAPR00B=0
COMPUTE APERS00B=999

IF (NI19 GE 1 AND MOB GE 1 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 GE 1) APERS00B=5
IF (NI19 EQ 0 AND MOB GE 1 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 GE 1) APERS00B=4
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 EQ 1) APERS00B=3
AND VAR1214 GE 1) APERS00B=3
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 GE 1) APERS00B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) APERS00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) APERS00B=0

COMMENT
******************************************************************************
COMPUTE MPAT=0

COMMENT

M1
IF (NI19 EQ -2 AND MOB EQ -2 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)CPERS00B=-1
IF (NI19 EQ -2 AND MOB EQ -2 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)APERS00B=-1
IF (NI19 EQ -2 AND MOB EQ -2 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)DSCP00B=-1
IF (NI19 EQ -2 AND MOB EQ -2 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)DSAP00B=-1
IF (NI19 EQ -2 AND MOB EQ -2 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)MPAT=1

COMMENT

M2
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) CPERS00B=0
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) APERS00B=0
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) DSCP00B=1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) DSAP00B=1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) MPAT=2

COMMENT

M3
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)CPERS00B=-1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)APERS00B=-1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)DSCP00B=-1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)DSAP00B=-1
IF (NI19 EQ -2 AND MOB EQ 0 AND NI15 EQ -2 AND
NI13 EQ -2 AND NI14 EQ -2 AND NI12 EQ -2)MPAT=3

COMMENT

M4
IF (NI19 EQ 0 AND MOB EQ -2, AND NI15 EQ 2 AND
NI13 EQ 2 AND VAR1214 EQ 0) CPERS00B=4
IF (NI19 EQ 0 AND MOB EQ -2, AND NI15 EQ 2 AND
NI13 EQ 2 AND VAR1214 EQ 0) APERS00B=4
IF (NI19 EQ 0 AND MOB EQ -2, AND NI15 EQ 2 AND
NI13 EQ 2 AND VAR1214 EQ 0) DSCP00B=2
IF (NI19 EQ 0 AND MOB EQ -2, AND NI15 EQ 2 AND
NI13 EQ 2 AND VAR1214 EQ 0) DSAP00B=2
IF (NI19 EQ 0 AND MOB EQ -2, AND NI15 EQ 2 AND
NI13 EQ 2 AND VAR1214 EQ 0) MPAT=4
COMMENT M5
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 0) CPERS005B=0
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 0) APERS005B=0
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 0) DSPR005B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 0) DSAPR005B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 0) MPAT=5

COMMENT M6
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ -2 AND N112 EQ -2) CPERS006B=1
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ -2 AND N112 EQ -2) APERS006B=1
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ -2 AND N112 EQ -2) DSPR006B=2
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ -2 AND N112 EQ -2) DSAPR006B=2
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ -2 AND N112 EQ -2) MPAT=6

COMMENT M7
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 2) CPERS007B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 2) APERS007B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 2) DSPR007B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 2) DSAPR007B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND VAR1214 EQ 2) MPAT=7

COMMENT M8
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) CPERS008B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) APERS008B=1
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) DSPR008B=2
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) DSAPR008B=2
IF (N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) MPAT=8

COMMENT M9
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) CPERS009B=1
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) APERS009B=1
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) DSPR009B=2
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) DSAPR009B=2
IF (N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 0 AND N114 EQ 0 AND N112 EQ -1) MPAT=9

COMMENT M10
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -1 AND NI13 EQ 0 AND VAR1214 EQ 0) CPERS00B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -1 AND NI13 EQ 0 AND VAR1214 EQ 0) APERS00B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -1 AND NI13 EQ 0 AND VAR1214 EQ 0) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -1 AND NI13 EQ 0 AND VAR1214 EQ 0) DSAPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -1 AND NI13 EQ 0 AND VAR1214 EQ 0) MPAT=10

COMMENT M11
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ -1 AND NI12 EQ 0) CPERS00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ -1 AND NI12 EQ 0) APERS00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ -1 AND NI12 EQ 0) DSCPR00B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ -1 AND NI12 EQ 0) DSAPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ -1 AND NI12 EQ 0) MPAT=11

COMMENT M12
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I9 EQ 1 AND I9A EQ -1)) AND NI15 EQ 2 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ 2) CPERS00B=4
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I9 EQ 1 AND I9A EQ -1)) AND NI15 EQ 2 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ 2) APERS00B=4
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I9 EQ 1 AND I9A EQ -1)) AND NI15 EQ 2 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ 2) DSCPR00B=1
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I9 EQ 1 AND I9A EQ -1)) AND NI15 EQ 2 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ 2) DSAPR00B=1
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I9 EQ 1 AND I9A EQ -1)) AND NI15 EQ 2 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ 2) MPAT=12

COMMENT M13
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -2 AND VAR1214 EQ 0) CPERS00B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -2 AND VAR1214 EQ 0) APERS00B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -2 AND VAR1214 EQ 0) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -2 AND VAR1214 EQ 0) DSAPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -2 AND VAR1214 EQ 0) MPAT=13

COMMENT M14
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) CPERS00B=0
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) APERS00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) DSAPR00B=1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 1) MPAT=14

COMMENT

M15
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND NI14 EQ 0 AND NI12 EQ -2) CPERSOB=0
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND NI14 EQ 0 AND NI12 EQ -2) APERSOB=0
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND NI14 EQ 0 AND NI12 EQ -2) DSCPR00B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND NI14 EQ 0 AND NI12 EQ -2) DSAPO0B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND NI14 EQ 0 AND NI12 EQ -2) MPAT=15

COMMENT

M16
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -1
AND VAR1214 EQ 0) CPERSOB=0
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -1
AND VAR1214 EQ 0) APERSOB=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -1
AND VAR1214 EQ 0) DSCPR00B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -1
AND VAR1214 EQ 0) DSAPO0B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -1
AND VAR1214 EQ 0) MPAT=16

COMMENT

M17
IF
(NI19 EQ 2 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -1
AND NI14 EQ -1 AND NI12 EQ 0) CPERSOB=5
IF
(NI19 EQ 2 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -1
AND NI14 EQ -1 AND NI12 EQ 0) APERSOB=5
IF
(NI19 EQ 2 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -1
AND NI14 EQ -1 AND NI12 EQ 0) DSCPR00B=2
IF
(NI19 EQ 2 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -1
AND NI14 EQ -1 AND NI12 EQ 0) DSAPO0B=2
IF
(NI19 EQ 2 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -1
AND NI14 EQ -1 AND NI12 EQ 0) MPAT=17

COMMENT

M18
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -2 AND NI13 EQ -2
AND NI14 EQ -2 AND NI12 EQ -2) CPERSOB=-1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -2 AND NI13 EQ -2
AND NI14 EQ -2 AND NI12 EQ -2) APERSOB=-1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -2 AND NI13 EQ -2
AND NI14 EQ -2 AND NI12 EQ -2) DSCPR00B=-1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -2 AND NI13 EQ -2
AND NI14 EQ -2 AND NI12 EQ -2) DSAPO0B=-1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -2 AND NI13 EQ -2
AND NI14 EQ -2 AND NI12 EQ -2) MPAT=18

COMMENT

M19
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ 0
AND NI14 EQ -1 AND NI12 EQ 0) CPERSOB=3
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ 0
AND NI14 EQ -1 AND NI12 EQ 0) APERSOB=3
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ 0
AND NI14 EQ -1 AND NI12 EQ 0) DSCPR00B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ 0
AND NI14 EQ -1 AND NI12 EQ 0) DSAPO0B=2
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ 0
AND N114 EQ -1 AND N112 EQ 0) MPAT=19

COMPUTE
MIPAT=0

COMMENT
MIPAT1
MIPAT1 IS SCORED ALREADY AS PATTERN M5
IF
(N119 EQ 0 AND MOB EQ -2 AND N115 EQ 0 AND
N113 EQ 0 AND VAR1214 EQ 0) MIPAT=1

COMMENT
MIPAT2
IF
(N119 EQ 0 AND MOB EQ 1 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -2 AND N112 EQ -1)CPERS00B=1
IF
(N119 EQ 0 AND MOB EQ 1 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -2 AND N112 EQ -1)APERS00B=1
IF
(N119 EQ 0 AND MOB EQ 1 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -2 AND N112 EQ -1)DSCPR00B=2
IF
(N119 EQ 0 AND MOB EQ 1 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -2 AND N112 EQ -1)DSAPR00B=1
IF
(N119 EQ 0 AND MOB EQ 1 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -2 AND N112 EQ -1)MIPAT=2

COMMENT
M13
M13 IS SCORED ALREADY AS PATTERN M5

COMMENT
M14
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -1 AND (112 EQ 2 AND
(I12A EQ 1 OR 2))) CPERS00B=1
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -1 AND (112 EQ 2 AND
(I12A EQ 1 OR 2))) APERS00B=1
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -1 AND (112 EQ 2 AND
(I12A EQ 1 OR 2))) DSCPR00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -1 AND (112 EQ 2 AND
(I12A EQ 1 OR 2))) DSAPR00B=1
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND
N113 EQ 0 AND N114 EQ -1 AND (112 EQ 2 AND
(I12A EQ 1 OR 2))) MIPAT=4

COMMENT

COMPUTE
IPAT=0

COMMENT
I1
IF
(N119 EQ -3 AND MOB EQ -2 AND N115 EQ -3 AND
N113 EQ -3 AND N114 EQ -3 AND N112 EQ -3)CPERS00B=0
IF
(N119 EQ -3 AND MOB EQ -2 AND N115 EQ -3 AND
N113 EQ -3 AND N114 EQ -3 AND N112 EQ -3)APERS00B=0
IF
(N119 EQ -3 AND MOB EQ -2 AND N115 EQ -3 AND
N113 EQ -3 AND N114 EQ -3 AND N112 EQ -3)DSCPR00B=1
IF
(N119 EQ -3 AND MOB EQ -2 AND N115 EQ -3 AND
N113 EQ -3 AND N114 EQ -3 AND N112 EQ -3)DSAPR00B=1
IF
(N119 EQ -3 AND MOB EQ -2 AND N115 EQ -3 AND
N113 EQ -3 AND N114 EQ -3 AND N112 EQ -3)I1PAT=1
COMMENT 12
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ -3 AND
NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=0
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ -3 AND
NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=0
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ -3 AND
NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ -3 AND
NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=1
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ -3 AND
NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3) IPAT=2

COMMENT 13
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND
NI13 EQ 1 AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=0
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND
NI13 EQ 1 AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=0
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND
NI13 EQ 1 AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND
NI13 EQ 1 AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=2
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND
NI13 EQ 1 AND NI14 EQ -3 AND NI12 EQ -3) IPAT=3

COMMENT 14
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) CPERS00B=0
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) APERS00B=0
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) DSCPR00B=1
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) DSAPR00B=1
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND VAR1214 EQ 0) IPAT=4

COMMENT 15 PROGRAMMED AS M5
16 PROGRAMMED AS M7

COMMENT 17
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ -3 AND VAR1214 EQ 2) CPERS00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ -3 AND VAR1214 EQ 2) APERS00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ -3 AND VAR1214 EQ 2) DSCPR00B=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ -3 AND VAR1214 EQ 2) DSAPR00B=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ -3 AND VAR1214 EQ 2) IPAT=7

COMMENT 18
18 PROGRAMMED AS M14

COMMENT 19
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ 1 AND NI14 EQ 1 AND NI12 EQ 2) CPERS00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
NI13 EQ 1 AND NI14 EQ 1 AND NI12 EQ 2)APERS00B=2
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 1 AND NI14 EQ 1 AND NI12 EQ 2)DSCPR00B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 1 AND NI14 EQ 1 AND NI12 EQ 2)DSAPRO0B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 1 AND NI14 EQ 1 AND NI12 EQ 2)IPAT=9

COMMENT
    I10
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND
    NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3)CPERS00B=0
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND
    NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3)APERS00B=0
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND
    NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3)DSCPR00B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND
    NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3)DSAPRO0B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND
    NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ -3)IPAT=10

COMMENT
    I11
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3)CPERS00B=0
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3)APERS00B=0
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3)DSCPR00B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3)DSAPRO0B=1
    (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3)IPAT=11

COMMENT
    I12
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ -3 AND VAR1214 EQ 1) CPERS00B=0
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ -3 AND VAR1214 EQ 1) APERS00B=1
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ -3 AND VAR1214 EQ 1) DSCPR00B=1
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ -3 AND VAR1214 EQ 1) DSAPRO0B=2
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ -3 AND VAR1214 EQ 1) IPAT=12

COMMENT
    I13
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -3 AND
    NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=2
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -3 AND
    NI13 EQ 2 AND VAR1214 EQ 2) APERS00B=2
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -3 AND
    NI13 EQ 2 AND VAR1214 EQ 2) DSCPR00B=2
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -3 AND
    NI13 EQ 2 AND VAR1214 EQ 2) DSAPRO0B=2
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ -3 AND
    NI13 EQ 2 AND VAR1214 EQ 2) IPAT=13

COMMENT
    I14
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
    NI13 EQ 0 AND NI14 EQ 0 AND ((112 EQ 2 AND
    (112A EQ 1 OR 2))) CPERS00B=0
    (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND
NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND (I12A EQ 1 OR 2))) APERS00B=0

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND (I12A EQ 1 OR 2))) DSCPR00B=1

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND (I12A EQ 1 OR 2))) DASPR00B=2

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND (I12A EQ 1 OR 2))) IPAT=14

COMMENT

I15
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND I12A EQ 3)) CPERS00B=0

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND I12A EQ 3)) APERS00B=0

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND I12A EQ 3)) DSCPR00B=2

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND I12A EQ 3)) DASPR00B=2

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND (I12 EQ 2 AND I12A EQ 3)) IPAT=15

COMMENT

I16
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ =-3 AND VAR1214 EQ 2) CPERS00B=3

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ =-3 AND VAR1214 EQ 2) APERS00B=3

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ =-3 AND VAR1214 EQ 2) DSCPR00B=2

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ =-3 AND VAR1214 EQ 2) DASPR00B=2

IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ =-3 AND VAR1214 EQ 2) IPAT=16

COMMENT

I17
IF
(NI19 EQ =-3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) CPERS00B=0

IF
(NI19 EQ =-3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) APERS00B=1

IF
(NI19 EQ =-3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) DSCPR00B=1

IF
(NI19 EQ =-3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) DASPR00B=1

IF
(NI19 EQ =-3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 1) IPAT=17

COMMENT

I18
IF
(NI19 EQ 0 AND MOB EQ =-2 AND NI15 EQ 0 AND NI13 EQ 2 AND VAR1214 EQ 2) CPERS00B=2

IF
(NI19 EQ 0 AND MOB EQ =-2 AND NI15 EQ 0 AND NI13 EQ 2 AND VAR1214 EQ 2) APERS00B=2

IF
(NI19 EQ 0 AND MOB EQ =-2 AND NI15 EQ 0 AND NI13 EQ 2 AND VAR1214 EQ 2) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 2 AND VAR1214 EQ 2) Dsaproob=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 2 AND VAR1214 EQ 2) IPAT=18

COMMENT I19
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND VAR1214 EQ 2) CPersoob=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND VAR1214 EQ 2) Apersoob=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND VAR1214 EQ 2) Dscpr0ob=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND VAR1214 EQ 2) Dsaproob=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND VAR1214 EQ 2) IPAT=19

COMMENT I20
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 0) CPersoob=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 0) Apersoob=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 0) Dscpr0ob=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 0) Dsaproob=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 0) IPAT=20

COMMENT I21
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I10 EQ 2 AND I10a EQ 1 OR 2)) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) CPersoob=3
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I10 EQ 2 AND I10a EQ 1 OR 2)) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) Apersoob=3
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I10 EQ 2 AND I10a EQ 1 OR 2)) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) Dscpr0ob=1
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I10 EQ 2 AND I10a EQ 1 OR 2)) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) Dsaproob=1
IF (NI19 EQ 0 AND (MOB EQ -2 AND (I10 EQ 2 AND I10a EQ 1 OR 2)) AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) IPAT=21

COMMENT I22
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 2) CPersoob=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 2) Apersoob=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 2) Dscpr0ob=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 2) Dsaproob=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 2) IPAT=22

COMMENT I23
-50-

IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) CPERSO0B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) APERSO0B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI12 EQ 0) DSCPRO0B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI12 EQ 0) DSAPRO0B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ 0 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND NI12 EQ 0) IPAT=23

COMMENT I24
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 1) CPERSO0B=0
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 1) APERSO0B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 1) DSCPRO0B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 1) DSAPRO0B=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND VAR1214 EQ 1) IPAT=24

COMMENT I25
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 1) CPERSO0B=0
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 1) APERSO0B=3
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 1) DSCPRO0B=1
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 1) DSAPRO0B=2
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 1) IPAT=25

COMMENT I26
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) CPERSO0B=3
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) APERSO0B=3
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) DSCPRO0B=2
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) DSAPRO0B=2
IF (NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) IPAT=26

COMMENT I27
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND (I14 EQ 2 AND I14A EQ 3) AND NI12 EQ 0) CPERSO0B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND (I14 EQ 2 AND I14A EQ 3) AND NI12 EQ 0) APERSO0B=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND (I14 EQ 2 AND I14A EQ 3) AND NI12 EQ 0) DSCPRO0B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND (I14 EQ 2 AND I14A EQ 3) AND NI12 EQ 0) DSAPRO0B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND (I14 EQ 2 AND I14A EQ 3) AND NI12 EQ 0) IPAT=27

COMMENT I28
IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3

...
AND VAR1214 EQ 1) CPERSOOB=0
  IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3
  AND VAR1214 EQ 1) APERSOOB=1
  IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3
  AND VAR1214 EQ 1) DSCPR00B=1
  IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3
  AND VAR1214 EQ 1) DSAPR00B=2
  IF (NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3
  AND VAR1214 EQ 1) IPAT=28

COMMENT 129
IF (NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 2
  AND VAR1214 EQ 2) CPERSOOB=2
IF (NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 2
  AND VAR1214 EQ 2) APERSOOB=4
IF (NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 2
  AND VAR1214 EQ 2) DSCPR00B=1
IF (NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 2
  AND VAR1214 EQ 2) DSAPR00B=2
IF (NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 0 AND NI13 EQ 2
  AND VAR1214 EQ 2) IPAT=29

COMMENT 130
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) CPERSOOB=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) APERSOOB=0
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=2
IF (NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) IPAT=30

COMMENT 131 IS PROGRAMMED AS 128

COMMENT 132
IF (NI19 EQ 1 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 1
  AND VAR1214 EQ 1) CPERSOOB=0
IF (NI19 EQ 1 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 1
  AND VAR1214 EQ 1) APERSOOB=2
IF (NI19 EQ 1 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 1
  AND VAR1214 EQ 1) DSCPR00B=1
IF (NI19 EQ 1 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 1
  AND VAR1214 EQ 1) DSAPR00B=2
IF (NI19 EQ 1 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 1
  AND VAR1214 EQ 1) IPAT=32

COMMENT 133
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) CPERSOOB=0
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) APERSOOB=0
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=2
IF (NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ -3
  AND NI14 EQ -3 AND NI12 EQ -3) IPAT=33

COMMENT 134
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 0
AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=0
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 0
AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=0
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 0
AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 0
AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 0
AND NI14 EQ -3 AND NI12 EQ -3) IPAT=34

COMMENT I35
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND (I14 EQ 2 AND (I14A EQ 1 OR 2)) AND NI12 EQ 0)
CPERS00B=0
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND (I14 EQ 2 AND (I14A EQ 1 OR 2)) AND NI12 EQ 0)
APERS00B=0
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND (I14 EQ 2 AND (I14A EQ 1 OR 2)) AND NI12 EQ 0)
DSCPR00B=1
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND (I14 EQ 2 AND (I14A EQ 1 OR 2)) AND NI12 EQ 0)
DSAPR00B=1
IF
(NI19 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0
AND (I14 EQ 2 AND (I14A EQ 1 OR 2)) AND NI12 EQ 0)
IPAT=35

COMMENT I36
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) CPERS00B=0
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) APERS00B=0
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) DSAPR00B=1
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) IPAT=36

COMMENT I37
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ -3 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ -3 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ -3 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ -3 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) DSAPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ -3 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) IPAT=37

COMMENT I38
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ 1
AND VAR1214 EQ 2) CPERS00B=1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ 1
AND VAR1214 EQ 2) APERS00B=4
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ 1
AND VAR1214 EQ 2) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ 1
AND VAR1214 EQ 2) DSAPR00B=2
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ 1 AND VAR1214 EQ 2) IPAT=38

COMMENT

139

IF

(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3) CPERSOOB=0
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3) APERSOOB=0
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3) DSAPR00B=2
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND NI14 EQ 0 AND NI12 EQ -3) IPAT=39

COMMENT

140

IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) CPERSOOB=0
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) APERSOOB=0
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) DSAPR00B=2
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 0) IPAT=40

COMMENT

141

IF

(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3 AND VAR1214 EQ 1) CPERSOOB=0
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3 AND VAR1214 EQ 1) APERSOOB=3
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3 AND VAR1214 EQ 1) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3 AND VAR1214 EQ 1) DSAPR00B=2
IF
(NI19 EQ -3 AND MOB EQ 0 AND NI15 EQ 1 AND NI13 EQ -3 AND VAR1214 EQ 1) IPAT=41

COMMENT

142

IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ -3) CPERSOOB=2
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ -3) APERSOOB=2
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ -3) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ -3) DSAPR00B=2
IF
(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ -3 AND NI13 EQ 2 AND NI14 EQ 2 AND NI12 EQ -3) IPAT=42

COMMENT

143

IF

(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) CPERSOOB=4
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) APERSOOB=4
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) DSCPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2 AND VAR1214 EQ 2) DSAPR00B=1
IF
(NI19 EQ -3 AND MOB EQ 2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) IPAT=43

COMMENT

144

IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) CPERS00B=3
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) APERS00B=3
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) DSCPR00B=2
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) DSAPO00B=2
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ 2
AND VAR1214 EQ 2) IPAT=44

COMMENT

145

IF

(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3
AND VAR1214 EQ 0) CPERS00B=0
IF

(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3
AND VAR1214 EQ 0) APERS00B=0
IF

(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3
AND VAR1214 EQ 0) DSCPR00B=1
IF

(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3
AND VAR1214 EQ 0) DSAPO00B=1
IF

(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3
AND VAR1214 EQ 0) IPAT=45

COMMENT

146

IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3
AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=0
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3
AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=0
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3
AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3
AND NI14 EQ -3 AND NI12 EQ -3) DSAPO00B=1
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3
AND NI14 EQ -3 AND NI12 EQ -3) IPAT=46

COMMENT

147

IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ -3
AND NI14 EQ 2 AND NI12 EQ -3) CPERS00B=1
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ -3
AND NI14 EQ 2 AND NI12 EQ -3) APERS00B=4
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ -3
AND NI14 EQ 2 AND NI12 EQ -3) DSCPR00B=2
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ -3
AND NI14 EQ 2 AND NI12 EQ -3) DSAPO00B=2
IF

(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 1 AND NI13 EQ -3
AND NI14 EQ 2 AND NI12 EQ -3) IPAT=47

COMMENT

148

IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) CPERS00B=0
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) APERS00B=3
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) DSCPR00B=1
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) DSAPO00B=2
IF

(NI19 EQ -3 AND MOB EQ -2 AND NI15 EQ 1 AND NI13 EQ 1
AND NI14 EQ -3 AND NI12 EQ -3) IPAT=48
COMMENT

I49
IF
(NI19 EQ 2 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3 AND VAR1214 EQ 2) CPERSO0B=1
IF
(NI19 EQ 2 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3 AND VAR1214 EQ 2) APERSO0B=5
IF
(NI19 EQ 2 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3 AND VAR1214 EQ 2) DSCPR00B=2
IF
(NI19 EQ 2 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3 AND VAR1214 EQ 2) DSAPR00B=2
IF
(NI19 EQ 2 AND MOB EQ 1 AND NI15 EQ -3 AND NI13 EQ -3 AND VAR1214 EQ 2) IPAT=49

COMMENT

I50
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) CPERSO0B=3
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) APERSO0B=3
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) DSCPR00B=2
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) DSAPR00B=2
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 2 AND NI13 EQ -3 AND VAR1214 EQ 2) IPAT=50

COMMENT

I51
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 1) CPERSO0B=-1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 1) APERSO0B=-1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 1) DSCPR00B=-1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 1) DSAPR00B=-1
IF
(NI19 EQ -3 AND MOB EQ 1 AND NI15 EQ 2 AND NI13 EQ -3 AND NI14 EQ -3 AND NI12 EQ 1) IPAT=51

COMMENT

I52
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND NI14 EQ 0 AND NI12 EQ -3) CPERSO0B=0
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND NI14 EQ 0 AND NI12 EQ -3) APERSO0B=0
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND NI14 EQ 0 AND NI12 EQ -3) DSCPR00B=1
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND NI14 EQ 0 AND NI12 EQ -3) DSAPR00B=2
IF
(NI19 EQ 0 AND MOB EQ -2 AND NI15 EQ 0 AND NI13 EQ -3 AND NI14 EQ 0 AND NI12 EQ -3) IPAT=52

COMMENT

I53
I53 IS PROGRAMMED AS I52

COMMENT

**********************************************************************************************
COMPUTE SCORES FOR PERSONS WITH ERROR PATTERNS ON THE CHRONIC LIMITATIONS SCALE
**********************************************************************************************

COMMENT

ECPAT=0

COMMENT

EC1
IF
(NI19 EQ 0 AND MOB EQ 2 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 EQ 2) CPERSO0B=1
IF
(NI19 EQ 0 AND MOB EQ 2 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 2) DSCTR00B=2
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 0
AND VAR1214 EQ 2) ECPAT=1

COMMENT
IF
EC2
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 2) CPERS00B=4
IF
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 2) DSCTR00B=2
IF
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 2) ECPAT=2

COMMENT
IF
EC3
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 0
AND VAR1214 EQ 2) CPERS00B=3
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 0
AND VAR1214 EQ 2) DSCTR00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 0
AND VAR1214 EQ 2) ECPAT=3

COMMENT
IF
EC6
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 0
AND (VAR1214 EQ 0 OR 1)) CPERS00B=0
IF
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 0
AND (VAR1214 EQ 0 OR 1)) DSCTR00B=2
IF
(N119 EQ 0 AND MOB EQ 2 AND N115 EQ 0 AND N113 EQ 0
AND (VAR1214 EQ 0 OR 1)) ECPAT=4

COMMENT
IF
EC5
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 0) CPERS00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 0) DSCTR00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 0 AND N113 EQ 2
AND VAR1214 EQ 0) ECPAT=5

COMMENT
IF
EC6
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) CPERS00B=3
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) DSCTR00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) ECPAT=6

COMMENT
IF
EC7
(N119 EQ 2 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) CPERS00B=5
IF
(N119 EQ 2 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) DSCTR00B=2
IF
(N119 EQ 2 AND MOB EQ 0 AND N115 EQ 2 AND N113 EQ 2
AND VAR1214 EQ 0) ECPAT=7

COMMENT
EC8
(N119 EQ 0 AND (MOB EQ 0 OR 1) AND N115 EQ 2 AND
(N113 EQ 0 OR 1) AND VAR1214 EQ 2) CPERS00B=3
IF
(N119 EQ 0 AND (MOB EQ 0 OR 1) AND N115 EQ 2 AND
(N113 EQ 0 OR 1) AND VAR1214 EQ 2) DSCTR00B=2
IF
(N119 EQ 0 AND (MOB EQ 0 OR 1) AND N115 EQ 2 AND
(N113 EQ 0 OR 1) AND VAR1214 EQ 2) ECPAT=8

**********************************************************************

COMPUTE SCORES FOR PERSONS WITH ERROR PATTERNS ON
ANY LIMITATIONS SCALE

COMPUTE
EAPAT=0

COMMENT
EA1
IF
(N119 GE 1 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) APERS00B=5
IF
(N119 GE 1 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) DSAP00B=2
IF
(N119 GE 1 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) EAPAT=1

COMMENT
EA2
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 GE 1) APERS00B=4
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 GE 1) DSAP00B=2
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 GE 1) EAPAT=2

COMMENT
EA3
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) APERS00B=4
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) DSAP00B=2
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 GE 1) EAPAT=3

COMMENT
EA4
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 EQ 0
AND VAR1214 GE 1) APERS00B=3
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 EQ 0
AND VAR1214 GE 1) DSAP00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 EQ 0
AND VAR1214 GE 1) EAPAT=4

COMMENT
EA5
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1
AND VAR1214 EQ 0) APERS00B=3
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1
AND VAR1214 EQ 0) DSAP00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1
AND VAR1214 EQ 0) EAPAT=5

COMMENT
EA6
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 EQ 0) APERS00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 EQ 0) DSAP00B=2
IF
(N119 EQ 0 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 GE 1
AND VAR1214 EQ 0) EAPAT=6

COMMENT
EA7
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) APERS00B=0
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) DSAP00B=2
IF
(N119 EQ 0 AND MOB GE 1 AND NI15 EQ 0 AND NI13 EQ 0
AND VAR1214 EQ 0) EAPAT=7

COMMENT
EA8
IF (NI19 EQ 0 AND MOB GE 1 AND NI15 GE 1 AND NI13 EQ 0 AND VAR1214 EQ 0) APERSO0B=4
IF (NI19 EQ 0 AND MOB GE 1 AND NI15 GE 1 AND NI13 EQ 0 AND VAR1214 EQ 0) DSAPR00B=2
IF (NI19 EQ 0 AND MOB GE 1 AND NI15 GE 1 AND NI13 EQ 0 AND VAR1214 EQ 0) EAPAT=8

COMMENT EA9
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 GE 1) APERSO0B=1
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 GE 1) DSAPR00B=2
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 EQ 0 AND NI13 EQ 0 AND VAR1214 GE 1) EAPAT=9

COMMENT EA10
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 EQ 0) APERSO0B=5
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 EQ 0) DSAPR00B=2
IF (NI19 GE 1 AND MOB EQ 0 AND NI15 GE 1 AND NI13 GE 1 AND VAR1214 EQ 0) EAPAT=10

COMMENT
MISSING VALUES CPERSO0B,APERSO0B(-1)
COMMENT
COMMENT
TASK NAME PEOPLE WITH UNPROGRAMMED PATTERNS
SELECT IF (CPERSO0B EQ 999 OR APERSO0B EQ 999)
LIST CASES CASES=300
VARIABLES=NI19,MOB,NI15,NI13,VAR1214,APERSO0B,
CPERSO0B,119,119A,18,18A,19,19A,110,110A,111,111A,
115,115A,113,113A,112,112A,114,114A

FREQUENCIES
FINISH
/*
COMMENT

WYLBR SETUP ON--$S.S8542.ARG23.FUNCTION.ROLELIMS

GET FILE

(TO BE ADDED)

ALLOCATE

TRANSSPACE=70000

******************************************************************************

CALCULATES SCALE SCORES FOR THE FOLLOWING ROLE LIMITATIONS SCALE

<table>
<thead>
<tr>
<th>VARIABLE</th>
<th>VARIABLE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRONIC ROLE LIMITATIONS</td>
<td>CROLE00B</td>
</tr>
<tr>
<td>ANY ROLE LIMITATIONS</td>
<td>AROLE00B</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR - CHRONIC ROLE LIMITATIONS</td>
<td>DSCRL00B</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR - ANY ROLE LIMITATIONS</td>
<td>DSARL00B</td>
</tr>
</tbody>
</table>

THIS SETUP CAN BE USED ON ANY FILE IN WHICH THE DEI'S HAVE BEEN CHANGED TO QUESTIONNAIRE ITEM NUMBERS:

<table>
<thead>
<tr>
<th>DEI</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>8804</td>
<td>117</td>
</tr>
<tr>
<td>8805</td>
<td>117A</td>
</tr>
<tr>
<td>3665</td>
<td>118</td>
</tr>
<tr>
<td>3666</td>
<td>118A</td>
</tr>
<tr>
<td>5372</td>
<td>120</td>
</tr>
<tr>
<td>5373</td>
<td>120A</td>
</tr>
</tbody>
</table>

PEOPLE WHOSE RESPONSE PATTERNS ARE NOT PROGRAMMED HERE WILL RECEIVE A SCORE OF 999 ON THAT VARIABLE AND WILL BE LISTED AT THE END OF THE PROGRAM - PROGRAMMING STATEMENTS WILL HAVE TO BE ADDED FOR THESE PEOPLE

COMMENT

******************************************************************************

COMMENT

COMPUTE NEW ITEM VARIABLES WITH THE FOLLOWING RESPONSE CODES:

0 - NOT LIMITED
1 - ACUTE LIMITATION (3 MONTHS OR LESS)
2 - CHRONIC LIMITATION (MORE THAN 3 MONTHS)
-1 - MISSING DURATION ITEM BUT LIMITED
-2 - MISSING MAIN ITEM
-3 - ANSWERED DURATION ITEM BUT NOT LIMITED

IF

(117 EQ 2 AND 117A EQ -1) N117=0
IF

(117 EQ 1 AND (117A EQ 1 OR 2)) N117=1
IF

(117 EQ 1 AND 117A EQ 3) N117=2
IF

(117 EQ 1 AND 117A EQ -1) N117=-1
IF

(117 EQ -1) N117=-2
IF

(117 EQ 2 AND 117A NE -1) N117=-3
IF ((118 EQ 2 AND 118A EQ -1))   N118=0
IF ((118 EQ 1 AND (118A EQ 1 OR 2))) N118=1
IF ((118 EQ 1 AND 118A EQ 3))     N118=2
IF ((118 EQ 1 AND 118A EQ -1))    N118=-1
IF ((118 EQ -1))                  N118=-2
IF ((118 EQ 2 AND 118A NE -1))    N118=-3

IF ((120 EQ 2 AND 120A EQ -1))    N120=0
IF ((120 EQ 1 AND (120A EQ 1 OR 2)))  N120=1
IF ((120 EQ 1 AND 120A EQ 3))     N120=2
IF ((120 EQ 1 AND 120A EQ -1))    N120=-1
IF ((120 EQ -1))                  N120=-2
IF ((120 EQ 2 AND 120A NE -1))    N120=-3

MISSING VALUES N117,N118,N120 (-1)

COMMENT
**************************************************************************************************
CHRONIC ROLE LIMITATIONS
COMPUTE PERFECT SCALE TYPES

COMPUTE DSCROLO00=0
COMPUTE CROLE00B=999

IF ((N118 EQ 2 AND N117 EQ 2 AND N120 EQ 2) AND N118 EQ 2 AND N120 EQ 2)
CROLE00B=3
IF ((N118 EQ 1 OR 0) AND N117 EQ 2 AND N120 EQ 2)
CROLE00B=2
IF ((N118 EQ 1 OR 0) AND (N117 EQ 1 OR 0) AND N120 EQ 2)
CROLE00B=1
IF ((N118 EQ 1 OR 0) AND (N117 EQ 1 OR 0) AND (N120 EQ 1 OR 0)) CROLE00B=0

COMMENT
**************************************************************************************************
ANY ROLE LIMITATIONS
COMPUTE PERFECT SCALE TYPES

COMPUTE DSAROLO00=0
COMPUTE AROLE00B=999

IF ((N118 GE 1 AND N117 GE 1 AND N120 GE 1) AND N118 EQ 2 AND N120 EQ 2)
AROLE00B=3
IF (N118 EQ 0 AND N117 GE 1 AND N120 GE 1) AROLE00B=2
IF (N118 EQ 0 AND N117 EQ 0 AND N120 GE 1) AROLE00B=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ 0) AROLE00B=0

COMMENT
**************************************************************************************************
COMPUTE SCALE SCORES FOR PERSONS WITH MISSING VALUES

COMPUTE MPAT=0
IF ((CROLE00B EQ 999 OR AROLE00B EQ 999) AND ((N118 EQ -1 OR EQ -2) OR (N117 EQ -1 OR EQ -2) OR (N120 EQ -1 OR EQ -2))) MPAT=999

COMMENT
M1 AND M2
IF ((N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2) AND N118 EQ -2 AND N120 EQ -2) CROLE00B=-1
IF ((N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2) AND N118 EQ -2 AND N120 EQ -2) AROLE00B=-1
IF (N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2) DSCROLO00=-1
IF (N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2) DSAROLO00=-1
IF (N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2) MPAT=1
IF (N118 EQ -2 AND N117 EQ -2 AND N120 EQ -2 AND I20A EQ 3) MPAT=2

COMMENT
M3
IF ((N118 EQ -2 AND N117 EQ 2 AND N120 EQ 2) CROLE00B=2
-61-

IF (N118 EQ -2 AND N117 EQ 2 AND N120 EQ 2) AROLE00B=2
IF (N118 EQ -2 AND N117 EQ 2 AND N120 EQ 2) DSICROL00=2
IF (N118 EQ -2 AND N117 EQ 2 AND N120 EQ 2) DSAROLO0=2
IF (N118 EQ -2 AND N117 EQ 2 AND N120 EQ 2) MPAT=3

COMMENT M4
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 2) CROLE00B=3
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 2) AROLE00B=3
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 2) DSICROL00=1
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 2) DSAROLO0=1
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 2) MPAT=4

COMMENT M5
IF (N118 EQ -1 AND N117 EQ 0 AND N120 EQ 2) CROLE00B=3
IF (N118 EQ -1 AND N117 EQ 0 AND N120 EQ 2) AROLE00B=3
IF (N118 EQ -1 AND N117 EQ 0 AND N120 EQ 2) DSICROL00=2
IF (N118 EQ -1 AND N117 EQ 0 AND N120 EQ 2) DSAROLO0=2
IF (N118 EQ -1 AND N117 EQ 0 AND N120 EQ 2) MPAT=5

COMMENT M6
IF (N118 EQ 2 AND N117 EQ -1 AND N120 EQ 2) CROLE00B=3
IF (N118 EQ 2 AND N117 EQ -1 AND N120 EQ 2) AROLE00B=3
IF (N118 EQ 2 AND N117 EQ -1 AND N120 EQ 2) DSICROL00=1
IF (N118 EQ 2 AND N117 EQ -1 AND N120 EQ 2) DSAROLO0=1
IF (N118 EQ 2 AND N117 EQ -1 AND N120 EQ 2) MPAT=6

COMMENT M7
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -1) CROLE00B=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -1) AROLE00B=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -1) DSICROL00=2
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -1) DSAROLO0=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -1) MPAT=7

COMMENT M8
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -2 AND I20A EQ 3) CROLE00B=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -2 AND I20A EQ 3) AROLE00B=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -2 AND I20A EQ 3) DSICROL00=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -2 AND I20A EQ 3) DSAROLO0=1
IF (N118 EQ 0 AND N117 EQ 0 AND N120 EQ -2 AND I20A EQ 3) MPAT=8

COMMENT M9
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 0) CROLE00B=3
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 0) AROLE00B=3
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 0) DSICROL00=2
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 0) DSAROLO0=2
IF (N118 EQ -1 AND N117 EQ 2 AND N120 EQ 0) MPAT=9

COMMENT M10
IF (N118 EQ -2 AND N117 EQ 0 AND N120 EQ 2) CROLE00B=1
IF (N118 EQ -2 AND N117 EQ 0 AND N120 EQ 2) AROLE00B=1
IF (N118 EQ -2 AND N117 EQ 0 AND N120 EQ 2) DSICROL00=1
IF (N118 EQ -2 AND N117 EQ 0 AND N120 EQ 2) DSAROLO0=1
IF (N118 EQ -2 AND N117 EQ 0 AND N120 EQ 2) MPAT=10

COMMENT M11
IF (N118 EQ 0 AND N117 EQ -1 AND N120 EQ -1) CROLE00B=2
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ -1) AROLE00B=2
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ -1) DSCROL00=2
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ -1) DSAROLO=1
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ -1) MPAT=11

COMMENT
M12
IF (NI18 EQ 2 AND NI17 EQ -2 AND NI20 EQ 2) CROLE00B=3
IF (NI18 EQ 2 AND NI17 EQ -2 AND NI20 EQ 2) AROLE00B=3
IF (NI18 EQ 2 AND NI17 EQ -2 AND NI20 EQ 2) DSCROL00=1
IF (NI18 EQ 2 AND NI17 EQ -2 AND NI20 EQ 2) DSAROLO=1
IF (NI18 EQ 2 AND NI17 EQ -2 AND NI20 EQ 2) MPAT=12

COMMENT
M13
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ 1) CROLE00B=0
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ 1) AROLE00B=2
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ 1) DSCROL00=1
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ 1) DSAROLO=1
IF (NI18 EQ 0 AND NI17 EQ -1 AND NI20 EQ 1) MPAT=13

COMMENT
M14
IF (NI18 EQ -2 AND NI17 EQ -2 AND NI20 EQ 0) CROLE00B=0
IF (NI18 EQ -2 AND NI17 EQ -2 AND NI20 EQ 0) AROLE00B=0
IF (NI18 EQ -2 AND NI17 EQ -2 AND NI20 EQ 0) DSCROL00=1
IF (NI18 EQ -2 AND NI17 EQ -2 AND NI20 EQ 0) DSAROLO=1
IF (NI18 EQ -2 AND NI17 EQ -2 AND NI20 EQ 0) MPAT=14

COMMENT
<<<<<<<<<COMPUTE SCORES FOR PERSONS WITH BOTH MISSING AND INCONSISTENT DATA

COMPUTE
MIPAT=0

COMMENT
M11
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND NI17 EQ 1
AND NI20 EQ -2) CROLE00B=-1
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND NI17 EQ 1
AND NI20 EQ -2) AROLE00B=2
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND NI17 EQ 1
AND NI20 EQ -2) DSCROL00=1
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND NI17 EQ 1
AND NI20 EQ -2) DSAROLO=2
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND NI17 EQ 1
AND NI20 EQ -2) MIPAT=1

COMMENT
<<<<<<<<<COMPUTE SCORES FOR PERSONS WITH INCONSISTENT DATA

COMPUTE
IPAT=0
((CROLE00B EQ 999 OR AROLE00B EQ 999) AND ((NI18 EQ -3)
OR (NI17 EQ -3) OR (NI20 EQ -3)) IPAT=999

COMMENT
I1
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND (117 EQ 2 AND
(117A EQ 1 OR 2)) AND (120 EQ 2 AND (120A EQ 1 OR 2)))
CROLE00B=0
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND (117 EQ 2 AND
(117A EQ 1 OR 2)) AND (120 EQ 2 AND (120A EQ 1 OR 2)))
AROLE00B=0
IF (((118 EQ 2 AND (118A EQ 1 OR 2)) AND (117 EQ 2 AND
(I17A EQ 1 OR 2)) AND (I20 EQ 2 AND (I20A EQ 1 OR 2))
DSARLO0=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND (I17 EQ 2 AND
(I17A EQ 1 OR 2)) AND (I20 EQ 2 AND (I20A EQ 1 OR 2))))
IPAT=1

COMMENT
12
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2))
AND N117 EQ 0 AND N120 EQ 0) CROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2))
AND N117 EQ 0 AND N120 EQ 0) AROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2))
AND N117 EQ 0 AND N120 EQ 0) DSCrollo=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2))
AND N117 EQ 0 AND N120 EQ 0) DSARLO0=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2))
AND N117 EQ 0 AND N120 EQ 0) IPAT=2

COMMENT
13
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 0
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) CRROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 0
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 0
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSCROL0=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 0
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSARLO0=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 0
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=3

COMMENT
14
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) CRROLE00B=0
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLE00B=0
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) DSCRLO0=1
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) DSARLO0=2
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=4

COMMENT
15
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
N120 EQ 0) CRROLE00B=0
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
N120 EQ 0) AROLE00B=0
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
N120 EQ 0) DSCRLO0=1
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
N120 EQ 0) DSARLO0=1
IF
(N118 EQ 0 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
N120 EQ 0) IPAT=5

COMMENT
16
IF
(N118 EQ 0 AND N117 EQ 0 AND (I20 EQ 2 AND (I20A EQ
1 OR 2))) CRROLE00B=0
IF
(N118 EQ 0 AND N117 EQ 0 AND (I20 EQ 2 AND (I20A EQ
1 OR 2)) AROLE00B=0
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSARLO0=1
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSCROLLO=0=2
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=6

COMMENT I7
IF ((I18 EQ 2 AND I18A EQ 3) AND (I17 EQ 2 AND I17A EQ 3) AND (I20 EQ 2 AND (I20A EQ 3)) CROLE00B=0
IF ((I18 EQ 2 AND I18A EQ 3) AND (I17 EQ 2 AND I17A EQ 3) AND (I20 EQ 2 AND (I20A EQ 3)) AROLE00B=0
IF ((I18 EQ 2 AND I18A EQ 3) AND (I17 EQ 2 AND I17A EQ 3) AND (I20 EQ 2 AND (I20A EQ 3)) DSCROLLO=2
IF ((I18 EQ 2 AND I18A EQ 3) AND (I17 EQ 2 AND I17A EQ 3) AND (I20 EQ 2 AND (I20A EQ 3)) DSARLO0=2
IF ((I18 EQ 2 AND I18A EQ 3) AND (I17 EQ 2 AND I17A EQ 3) AND (I20 EQ 2 AND (I20A EQ 3)) IPAT=7

COMMENT I8
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 2 AND NI20 EQ 2) CROLE00B=2
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 2 AND NI20 EQ 2) AROLE00B=2
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 2 AND NI20 EQ 2) DSCROLLO=2
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 2 AND NI20 EQ 2) DSARLO0=2
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 2 AND NI20 EQ 2) IPAT=8

COMMENT I9
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 0 AND NI20 EQ 0) CROLE00B=0
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 0 AND NI20 EQ 0) AROLE00B=0
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 0 AND NI20 EQ 0) DSCROLLO=1
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 0 AND NI20 EQ 0) DSARLO0=1
IF ((I18 EQ 2 AND I18A EQ 3) AND NI17 EQ 0 AND NI20 EQ 0) IPAT=9

COMMENT I10
IF (NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND NI20 EQ 2) CROLE00B=1
IF (NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND NI20 EQ 2) AROLE00B=1
IF (NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND NI20 EQ 2) DSCROLLO=2
IF (NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND NI20 EQ 2) DSARLO0=2
IF (NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND NI20 EQ 2) IPAT=10

COMMENT I11
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND (I20A EQ 3)) CROLE00B=0
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND (I20A EQ 3)) AROLE00B=0
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND I20A EQ 3)) DSRCRLO0=2
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND I20A EQ 3)) DSAROLO0=2
IF (NI18 EQ 0 AND NI17 EQ 0 AND (I20 EQ 2 AND I20A EQ 3)) IPAT=11

COMMENT 112
IF (((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 0 AND N120 EQ 2) CROLEOOB=1
IF (((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 0 AND N120 EQ 2) AROLEOOB=1
IF (((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 0 AND N120 EQ 2) DSRCRLO0=1
IF (((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 0 AND N120 EQ 2) DSAROLO0=1
IF (((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 0 AND N120 EQ 2) IPAT=12

COMMENT 113
IF (NI18 EQ 2 AND (I17 EQ 2 AND I17A EQ 3) AND N120 EQ 2) CROLEOOB=3
IF (NI18 EQ 2 AND (I17 EQ 2 AND I17A EQ 3) AND N120 EQ 2) AROLEOOB=3
IF (NI18 EQ 2 AND (I17 EQ 2 AND I17A EQ 3) AND N120 EQ 2) DSRCRLO0=1
IF (NI18 EQ 2 AND (I17 EQ 2 AND I17A EQ 3) AND N120 EQ 2) DSAROLO0=1
IF (NI18 EQ 2 AND (I17 EQ 2 AND I17A EQ 3) AND N120 EQ 2) IPAT=13

COMMENT 114
IF (NI18 EQ 1 AND NI17 EQ 2 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) CROLEOOB=2
IF (NI18 EQ 1 AND NI17 EQ 2 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLEOOB=2
IF (NI18 EQ 1 AND NI17 EQ 2 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSRCRLO0=2
IF (NI18 EQ 1 AND NI17 EQ 2 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSAROLO0=2
IF (NI18 EQ 1 AND NI17 EQ 2 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=14

COMMENT 115
IF (NI18 EQ 1 AND NI17 EQ 1 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) CROLEOOB=0
IF (NI18 EQ 1 AND NI17 EQ 1 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLEOOB=0
IF (NI18 EQ 1 AND NI17 EQ 1 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSRCRLO0=1
IF (NI18 EQ 1 AND NI17 EQ 1 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSAROLO0=1
IF (NI18 EQ 1 AND NI17 EQ 1 AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=15

COMMENT 116
IF (NI18 EQ 0 AND NI17 EQ 2 AND (I20 EQ 2 AND I20A EQ 3)) CROLEOOB=2
IF (NI18 EQ 0 AND NI17 EQ 2 AND (I20 EQ 2 AND I20A EQ 3)) AROLEOOB=2
IF (NI18 EQ 0 AND NI17 EQ 2 AND (I20 EQ 2 AND I20A EQ 3)) IPAT=16
I20A EQ 3)) DSCROL00=1
(N118 EQ 0 AND N117 EQ 2 AND (I20 EQ 2 AND
I20A EQ 3)) DSARLO0=1
IF
(N118 EQ 0 AND N117 EQ 2 AND (I20 EQ 2 AND
I20A EQ 3)) IPAT=16

COMMENT
I17
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND I20A EQ 3)) CROLE00B=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND I20A EQ 3)) AROLE00B=-1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND I20A EQ 3)) DSCROL00=-1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND I20A EQ 3)) DSARLO0=-1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND I20A EQ 3)) IPAT=17

COMMENT
I18
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 1
AND N120 EQ 1) CROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 1
AND N120 EQ 1) AROLE00B=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 1
AND N120 EQ 1) DSCROL00=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 1
AND N120 EQ 1) DSARLO0=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 1
AND N120 EQ 1) IPAT=18

COMMENT
I19
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 1)
CROLE00B=0
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 1)
AROLE00B=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 1)
DSCROL00=1
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 1)
DSARLO0=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 1)
IPAT=19

COMMENT
I20
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 2
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) CROLE00B=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 2
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLE00B=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 2
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSCROL00=2
IF
(((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 2
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) DSARLO0=2
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND N117 EQ 2
AND (I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=20

COMMENT
I21
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 0)
CROLEO0B=0
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 0)
AROLEO0B=0
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 0)
DSCRLO0=1
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 1)) AND N120 EQ 0)
DSARLO0=2
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND
(I17 EQ 2 AND (I17A EQ 1 OR 2)) AND N120 EQ 0)
IPAT=21

COMMENT
I22
IF
((NI18 EQ 1 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) CROLEO0B=0
IF
((NI18 EQ 1 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) AROLEO0B=1
IF
((NI18 EQ 1 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) DSCROLO0=1
IF
((NI18 EQ 1 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) DSARLO0=1
IF
((NI18 EQ 1 AND (I17 EQ 2 AND (I17A EQ 1 OR 2)) AND
(I20 EQ 2 AND (I20A EQ 1 OR 2))) IPAT=22

COMMENT
I23
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 2
AND N120 EQ 2) CROLEO0B=2
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 2
AND N120 EQ 2) AROLEO0B=2
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 2
AND N120 EQ 2) DSCROLO0=1
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 2
AND N120 EQ 2) DSARLO0=2
IF
((I18 EQ 2 AND (I18A EQ 1 OR 2)) AND NI17 EQ 2
AND N120 EQ 2) IPAT=23

COMMENT
I24
IF
((NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND
N120 EQ 0) CROLEO0B=0
IF
((NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND
N120 EQ 0) AROLEO0B=0
IF
((NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND
N120 EQ 0) DSCROLO0=2
IF
((NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND
N120 EQ 0) DSARLO0=2
IF
((NI18 EQ 0 AND (I17 EQ 2 AND I17A EQ 3) AND
N120 EQ 0) IPAT=24

COMMENT
COMPUTE SCORES FOR PERSONS WITH ERROR PATTERNS

COMPUTE
ECPAT=0
IF
(((CROLEO0B EQ 999) AND
(MPAT EQ 0) AND (IPAT EQ 0)) ECPAT=999
COMMENT  
EC1  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 2) CROLE00B=3  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 2) DSCROLOO=2  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 2) ECPAT=1  
COMMENT  
EC2  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 0) CROLE00B=3  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 0) DSCROLOO=2  
IF  
(NI18 EQ 2 AND NI17 EQ 0 AND NI20 EQ 0) ECPAT=2  
COMMENT  
EC3  
IF  
(NI18 EQ 0 AND NI17 EQ 2 AND NI20 EQ 0) CROLE00B=2  
IF  
(NI18 EQ 0 AND NI17 EQ 2 AND NI20 EQ 0) DSCROLOO=2  
IF  
(NI18 EQ 0 AND NI17 EQ 2 AND NI20 EQ 0) ECPAT=3  
COMMENT  
EC4  
IF  
(NI18 EQ 1 AND NI17 EQ 2 AND NI20 EQ 1) CROLE00B=2  
IF  
(NI18 EQ 1 AND NI17 EQ 2 AND NI20 EQ 1) DSCROLOO=2  
IF  
(NI18 EQ 1 AND NI17 EQ 2 AND NI20 EQ 1) ECPAT=4  
COMMENT  
EC5  
IF  
(NI18 EQ 2 AND NI17 EQ 2 AND NI20 EQ 0) CROLE00B=3  
IF  
(NI18 EQ 2 AND NI17 EQ 2 AND NI20 EQ 0) DSCROLOO=2  
IF  
(NI18 EQ 2 AND NI17 EQ 2 AND NI20 EQ 0) ECPAT=5  
COMMENT  
EC6  
IF  
(NI18 EQ 2 AND NI17 EQ 1 AND NI20 EQ 0) CROLE00B=3  
IF  
(NI18 EQ 2 AND NI17 EQ 1 AND NI20 EQ 0) DSCROLOO=2  
IF  
(NI18 EQ 2 AND NI17 EQ 1 AND NI20 EQ 0) ECPAT=6  
COMPUTE  
EAPAT=0  
(AROLE00B EQ 999 AND MPAT EQ 0 AND IPAT EQ 0)EAPAT=999  
COMMENT  
EA1  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND (NI20 EQ 1 OR 2)))  
AROLE00B=3  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND (NI20 EQ 1 OR 2)))  
DSARLOO=2  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND (NI20 EQ 1 OR 2)))  
EAPAT=1  
COMMENT  
EA2  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND NI20 EQ 0))  
AROLE00B=3  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND NI20 EQ 0))  
DSARLOO=2  
IF  
(((NI18 EQ 1 OR 2) AND NI17 EQ 0 AND NI20 EQ 0))  
EAPAT=2  
COMMENT  
EA3  
IF  
((NI18 EQ 0 AND (NI17 EQ 1 OR 2) AND NI20 EQ 0))  
AROLE00B=2  
IF  
((NI18 EQ 0 AND (NI17 EQ 1 OR 2) AND NI20 EQ 0))  
DSARLOO=2  
IF  
((NI18 EQ 0 AND (NI17 EQ 1 OR 2) AND NI20 EQ 0))  
EAPAT=3  
COMMENT  
EA4  
IF  
((NI18 EQ 1 OR 2) AND (NI17 EQ 1 OR 2) AND NI20 EQ 0)
AROLE00B=3
((N118 EQ 1 OR 2) AND (N117 EQ 1 OR 2) AND N120 EQ 0)
DSAROLE00=3
((N118 EQ 1 OR 2) AND (N117 EQ 1 OR 2) AND N120 EQ 0)
EAPAT=4

COMMENT
MISSING VALUES CROLE00B,AROLE00B (-1)
COMMENT
TASK NAME PEOPLE WITH PATTERNS NOT PROGRAMMED
SELECT IF (CROLE00B EQ 999 OR AROLE00B EQ 999)
LIST CASES CASES=300
VARIABLES N118,N117,N120,I18,I18A,I17A,I170,I200, I20A,CROLE00B,AROLE00B
FINISH
/*
WYLBUR SETUP ON SS.S8542.AB023.DAYTON.FUNCTION.PERSLIMS

**GET FILE**

*(TO BE ADDED)*

*CALCULATES THE FOLLOWING VARIABLES FOR THE DAYTON ENROLLMENT MEDICAL HISTORY QUESTIONNAIRE*

<table>
<thead>
<tr>
<th>VARIABLE</th>
<th>VARIABLE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRONIC PERSONAL LIMITATIONS</td>
<td>CPERS00A</td>
</tr>
<tr>
<td>ANY PERSONAL LIMITATIONS</td>
<td>APERS00A</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR- CHRONIC PERSONAL LIMITATIONS</td>
<td>DSCPR00A</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR- ANY PERSONAL LIMITATIONS</td>
<td>DSAFR00A</td>
</tr>
</tbody>
</table>

**THIS SETUP CAN BE USED ON ANY FILE IN WHICH ORIGINAL DEI'S HAVE BEEN CHANGED TO QUESTIONNAIRE ITEM NUMBERS:**

<table>
<thead>
<tr>
<th>DEI</th>
<th>VARIABLE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3673</td>
<td>117</td>
</tr>
<tr>
<td>3674</td>
<td>118</td>
</tr>
<tr>
<td>3675</td>
<td>119</td>
</tr>
<tr>
<td>3676</td>
<td>120</td>
</tr>
<tr>
<td>3677</td>
<td>121</td>
</tr>
<tr>
<td>3678</td>
<td>122</td>
</tr>
<tr>
<td>3679</td>
<td>123</td>
</tr>
<tr>
<td>3680</td>
<td>124</td>
</tr>
<tr>
<td>3685</td>
<td>129</td>
</tr>
<tr>
<td>3686</td>
<td>130</td>
</tr>
<tr>
<td>3687</td>
<td>131</td>
</tr>
<tr>
<td>3688</td>
<td>132</td>
</tr>
<tr>
<td>3689</td>
<td>133</td>
</tr>
<tr>
<td>3690</td>
<td>134</td>
</tr>
<tr>
<td>3691</td>
<td>135</td>
</tr>
<tr>
<td>3692</td>
<td>136</td>
</tr>
</tbody>
</table>

**PEOPLE WHOSE RESPONSE PATTERN IS NOT PROGRAMMED HERE WILL RECEIVE A SCORE OF 999 ON THAT VARIABLE AND LISTED AT THE END OF THE PROGRAM - PROGRAMMING STATEMENTS WILL HAVE TO BE ADDED FOR THOSE PEOPLE.**

**CALCULATE INTERMEDIATE VARIABLES FROM WHICH INDEX SCORES ARE CALCULATED SUCH THAT:**

- 0 - NO LIMITATIONS
- 1 - ACUTE LIMITATIONS
- 2 - CHRONIC LIMITATIONS

**IF**  

(I17 EQ 2) SELF=0  
(I18 EQ 1 OR 2) SELF=1  
(I18 EQ 3) SELF=2
COMPUTE
MOB=0
IF ((I22 EQ 1 OR 2) OR (I30 EQ 1 OR 2) OR (I36 EQ 1 OR 2) OR (I32 EQ 1 OR 2)) MOB=1
IF (I22 EQ 3 OR I30 EQ 3 OR I36 EQ 3 OR I32 EQ 3) MOB=2
COMMENT
ONLY TWO MISSING VALUES OCCURRED IN THIS SCALE AND THEY ARE DEALT WITH INDIVIDUALLY
IF (MOB EQ 0 AND I21 EQ -1) MOB=-1
IF (MOB EQ 0 AND (I31 EQ 1 AND I32 EQ -1)) MOB=1
COMPUTE
WALK=0
IF (I20 EQ 1 OR 2) WALK=1
IF (I20 EQ 3) WALK=2
COMPUTE
WALKFAST=0
IF ((I24 EQ 1 OR 2) OR (I34 EQ 1 OR 2)) WALKFAST=1
IF (I24 EQ 3 OR I34 EQ 3) WALKFAST=2
IF (WALKFAST EQ 0 AND I23 EQ -1) WALKFAST=-1
COMMENT
******************************************************************************
COMPUTE CHRONIC LIMITATIONS SCORES FOR PERFECT SCALE TYPES
******************************************************************************
COMPUTE
DSCPR00A=0
COMPUTE
CPERS00A=999
IF (SELF EQ 2 AND MOB EQ 2 AND WALK EQ 2 AND WALKFAST EQ 2) CPERS00A=4
IF (SELF LT 2 AND MOB EQ 2 AND WALK EQ 2 AND WALKFAST EQ 2) CPERS00A=3
IF (SELF LT 2 AND (MOB EQ 0 OR 1) AND WALK EQ 2 AND WALKFAST EQ 2) CPERS00A=2
IF (SELF LT 2 AND (MOB EQ 0 OR 1) AND (WALK EQ 0 OR 1) AND WALKFAST EQ 2) CPERS00A=1
IF (SELF LT 2 AND (MOB EQ 0 OR 1) AND (WALK EQ 0 OR 1) AND (WALKFAST EQ 0 OR 1)) CPERS00A=0
COMMENT
******************************************************************************
COMPUTE PERFECT SCALE TYPES FOR ANY LIMITATIONS
******************************************************************************
COMPUTE
DSAPR00A=0
COMPUTE
APERS00A=999
IF (SELF GE 1 AND MOB GE 1 AND WALK GE 1 AND WALKFAST GE 1) APERS00A=4
IF (SELF EQ 0 AND MOB GE 1 AND WALK GE 1 AND WALKFAST GE 1) APERS00A=3
IF (SELF EQ 0 AND MOB EQ 0 AND WALK GE 1 AND WALKFAST GE 1) APERS00A=2
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST GE 1) APERS00A=1
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ 0) APERS00A=0
COMMENT
******************************************************************************
COMPUTE
M1
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ -1) CPERS00A=0
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ -1) APERS00A=0
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ -1) DSCPR00A=2
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ -1) DSAPRO0A=2

COMMENT

M2

IF (SELF EQ 0 AND MOB EQ -1 AND WALK EQ 0 AND WALKFAST EQ 0) CPERS00A=0
IF (SELF EQ 0 AND MOB EQ -1 AND WALK EQ 0 AND WALKFAST EQ 0) APERS00A=0
IF (SELF EQ 0 AND MOB EQ -1 AND WALK EQ 0 AND WALKFAST EQ 0) DSCPF00A=1
IF (SELF EQ 0 AND MOB EQ -1 AND WALK EQ 0 AND WALKFAST EQ 0) DSAPRO0A=1

COMMENT

E1

IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 2 ) CPERS00A=3
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 2 ) APERS00A=3
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 2 ) DSCPF00A=2
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 2 ) DSAPRO0A=2

COMMENT

E2

IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 0) CPERS00A=0
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 0) APERS00A=0
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 0) DSCPF00A=2
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 0 AND WALKFAST EQ 0) DSAPRO0A=2

COMMENT

E3

IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST EQ 2 ) APERS00A=3
IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST EQ 2 ) DSAPRO0A=2

COMMENT

E4

IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST EQ 0) APERS00A=0
IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST EQ 0) DSAPRO0A=2

COMMENT

E5

IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ 0) CPERS00A=2
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ 0) APERS00A=2
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ 0) DSCPF00A=2
IF (SELF EQ 0 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST EQ 0) DSAPRO0A=2

COMMENT

E6

IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 2 AND WALKFAST EQ 2) CPERS00A=4
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 2 AND WALKFAST EQ 2) APERS00A=4
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 2 AND WALKFAST EQ 2) DSAPRO0A=2

COMMENT
EQ 2) DSCPR00A=2
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 2 AND WALKFAST
    EQ 2) DSAPO00A=2

COMMENT E7
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST
    EQ 0) CPERS00A=0
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST
    EQ 0) APERS00A=0
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST
    EQ 0) DSCPR00A=2
IF (SELF EQ 2 AND MOB EQ 0 AND WALK EQ 0 AND WALKFAST
    EQ 0) DSAPO00A=2

COMMENT E8
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 1 AND WALKFAST
    EQ 2) CPERS00A=3
IF (SELF EQ 0 AND MOB EQ 2 AND WALK EQ 1 AND WALKFAST
    EQ 2) DSCPR00A=2

COMMENT E9
IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST
    EQ 1) APERS00A=3
IF (SELF EQ 0 AND MOB EQ 1 AND WALK EQ 0 AND WALKFAST
    EQ 1) DSAPO00A=2

**********************************************************************************
MISSING VALUES CPERS00A,APERS00A(-1)
**********************************************************************************
TASK NAME PEOPLE WITH UNPROGRAMMED STATEMENTS
**********************************************************************************
^SELECT IF (CPERS00A EQ 999 OR APERS00A EQ 999)
LIST CASES CASES=300
VARIABLES=CPERS00A,APERS00A,SELF,MOB,WALK,WALKFAST,
FREQUENCIES
FINISH
/*
WYLBR SETUP ON $S.S8542.ARG23.DAYON.FUNCTION.ROLE

TO BE ADDED

CLAIMS THE FOLLOWING VARIABLES FOR THE DAYTON ENROLLMENT MEDICAL HISTORY QUESTIONNAIRE

<table>
<thead>
<tr>
<th>VARIABLE</th>
<th>VARIABLE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRONIC ROLE LIMITATIONS</td>
<td>CROLE00A</td>
</tr>
<tr>
<td>ANY ROLE LIMITATIONS</td>
<td>AROLE00A</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR - CHRONIC ROLE LIMITATIONS</td>
<td>DSCRL00A</td>
</tr>
<tr>
<td>DATA STATUS INDICATOR - ANY ROLE LIMITATIONS</td>
<td>DSARL00A</td>
</tr>
</tbody>
</table>

THIS SETUP CAN BE USED ON ANY FILE IN WHICH THE DEI'S HAVE BEEN CHANGED TO QUESTIONNAIRE ITEM NUMBERS

<table>
<thead>
<tr>
<th>DEI</th>
<th>VARIABLE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3665</td>
<td>19</td>
</tr>
<tr>
<td>3666</td>
<td>110</td>
</tr>
<tr>
<td>3667</td>
<td>111</td>
</tr>
<tr>
<td>3668</td>
<td>112</td>
</tr>
<tr>
<td>3669</td>
<td>113</td>
</tr>
<tr>
<td>3670</td>
<td>114</td>
</tr>
</tbody>
</table>

PEOPLE WHOSE RESPONSE PATTERN IS NOT PROGRAMMED HERE WILL RECEIVE A SCORE OF 999 ON THE VARIABLE AND WILL BE LISTED AT THE END OF THE PROGRAM - PROGRAMMING STATEMENTS WILL HAVE TO BE ADDED FOR THESE PEOPLE

COMPUTE INTERMEDIATE VARIABLES FROM WHICH SCALE SCORES ARE CALCULATED SUCH THAT:

0 - NO LIMITATIONS
1 - ACUTE LIMITATIONS
2 - CHRONIC LIMITATIONS

IF (I9 EQ 2) NOWORK=0
IF (I9 EQ 1) NOWORK=1
IF (I9 EQ 1 AND I10 EQ 3) NOWORK=2

IF (I11 EQ 2 AND I13 EQ 2) WORKLIMS=0
IF (I11 EQ 1 OR I13 EQ 1) WORKLIMS=1
IF (I11 EQ 1 AND I12 EQ 3) OR (I13 EQ 1 AND I14 EQ 3)) WORKLIMS=2

COMPUTE CHRONIC ROLE LIMITATIONS SCALE

DSCRL00A=0
CROLE00A=999
IF (NOWORK EQ 2 AND WORKLIMS EQ 2) CROLE00A=2
IF ((NOWORK EQ 1 OR 0) AND WORKLIMS EQ 2) CROLE00A=1
IF ((NOWORK EQ 1 OR 0) AND (WORKLIMS EQ 1 OR 0))
CROLE00A=0

COMMENT SCORE ERROR PATTERN
IF (NOWORK EQ 2 AND WORKLIMS EQ 0) CROLE00A=2
IF (NOWORK EQ 2 AND WORKLIMS EQ 0) DSCRL00A=2

COMMENT THERE WAS ONLY ONE MISSING VALUE ON ITEMS IN THIS INDEX
IF (111 EQ 1 AND 112 EQ -1) CROLE00A=0
IF (111 EQ 1 AND 112 EQ -1) DSCRL00A=2

VAR LABELS CROLE00A, CHRONIC ROLE LIMITATIONS/
DSCRL00A, DATA STATUS INDICATOR-CHRONIC ROLE LIMS/

COMMENT ********************************************
COMPUTE ANY ROLE LIMITATIONS

COMPUTE DSARL00A=0
AROLE00A=999

IF (NOWORK GT 0 AND WORKLIMS GT 0) AROLE00A=2
IF (NOWORK EQ 0 AND WORKLIMS GT 0) AROLE00A=1
IF (NOWORK EQ 0 AND WORKLIMS EQ 0) AROLE00A=0

COMMENT COMPUTE ERROR PATTERNS

IF (NOWORK GT 0 AND WORKLIMS EQ 0) AROLE00A=2
IF (NOWORK GT 0 AND WORKLIMS EQ 0) DSARL00A=2

COMMENT THERE WAS ONLY ONE MISSING VALUE ON ITEMS IN THIS INDEX
IF (NOWORK EQ 0 AND (111 EQ 1 AND 112 EQ -1))
AROLE00A=1

COMMENT THE PERSON WITH MISSING DATA HAS ONE LIMITATION ON
THE COMBINED VARIABLE, SO THEIR SCORE IS ACCURATELY
ESTIMATED AND THE DSI IS ZERO

VAR LABELS AROLE00A, ANY ROLE LIMITATIONS/
DSARL00A, DATA STATUS INDICATOR-ANY ROLE LIMS/

COMMENT ********************************************
TASK NAME PEOPLE WITH UNPROGRAMMED STATEMENTS
*SELECT IF (CROLE00A EQ 999 OR AROLE00A EQ 999)
LIST CASES CASES=300
VARIABLES=CROLE00A, AROLE00A, NOWORK, WORKLIMS,
19, 110, 111, 112, 113, 114
FREQUENCIES GENERAL=19

FINISH */
### WYLBR SETUP ON $S.S8542.ARO23.FUNCTION.CAPO08

**(TO BE ADDED)**

**TRANSPACE=70000**

**Calculates Physical Capacities Index (CAPO08) and Data Status Indicator (OSSCAPO08) for All Enrollment Medical History Questionnaires Except Dayton**

This setup can be used on any file in which DEI's have been changed to questionnaire item numbers:

<table>
<thead>
<tr>
<th>Computer Variable DEI Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>-----</td>
</tr>
<tr>
<td>4463 I224</td>
</tr>
<tr>
<td>4461 I225</td>
</tr>
<tr>
<td>4762 I226</td>
</tr>
<tr>
<td>4459 I227</td>
</tr>
<tr>
<td>4453 I228</td>
</tr>
<tr>
<td>4457 I229</td>
</tr>
<tr>
<td>4455 I230</td>
</tr>
<tr>
<td>4451 I231</td>
</tr>
<tr>
<td>4449 I232</td>
</tr>
<tr>
<td>4447 I233</td>
</tr>
<tr>
<td>4445 I234</td>
</tr>
<tr>
<td>9071 I235</td>
</tr>
<tr>
<td>9073 I236</td>
</tr>
</tbody>
</table>

People who respond with patterns that are not programmed here will receive scores of 999 on the CAPO08 variable and will be listed at the end of the program - programming statements will have to be written for these people.

**Comment**

Compute a variable that indicates whether a person should have skipped out of the battery after the first two questions.

**Compute**

```
CORRSKIP=0
(I224 EQ 1 AND I225 EQ 1) CORRSKIP=1
```

**Comment**

Recode persons who should have skipped out of the battery to a score of 1 on the last 10 items (i.e., as able to do each activity).

**If**

```
(CORRSKIP=1) I227=1
(CORRSKIP=1) I228=1
(CORRSKIP=1) I229=1
(CORRSKIP=1) I230=1
(CORRSKIP=1) I231=1
(CORRSKIP=1) I232=1
(CORRSKIP=1) I233=1
(CORRSKIP=1) I234=1
(CORRSKIP=1) I235=1
```
IF (CORRISKIP=1) I236=1

CALCULATE NEW ITEM 225 USING INFORMATION IN IDENTICAL ITEMS 225 AND 226 (PERSONS WHO ANSWERED BOTH ITEMS ERRONEOUSLY AND WITH DISCREPANT ANSWERS WILL RECEIVE AN AVERAGE OF THE TWO SCORES)

COMPUTE AVG225=(I225+I226)/2
IF (I225 EQ -1 AND I226 NE -1) AVG225=1226
IF (I225 NE -1 AND I226 EQ -1) AVG225=1225

PRINT FORMATS AVG225 (2)
MISSING VALUES AVG225 (-1)

COMPUTE "R" VARIABLES THAT ARE EQUIVALENT TO THE OTHER VARIABLES - THESE WILL BE RECODED SUCH THAT

0=ABLE
1=UNABLE OR HAS TROUBLE

COMPUTE RI224=I224
IF (AVG225 EQ 1)RI224=0
IF (AVG225 GT 1)RI224=1
IF (AVG225 EQ -1)RI224=-1
COMPUTE RI227=I227
COMPUTE RI228=I228
COMPUTE RI229=I229
COMPUTE RI230=I230
COMPUTE RI231=I231
COMPUTE RI232=I232
COMPUTE RI233=I233
COMPUTE RI234=I234
COMPUTE RI235=I235
COMPUTE RI236=I236
RECODE RI224,RI227 TO RI236 (1=0) (2,3=1)

COMPUTE MULTI-ITEM INTERMEDIATE VARIABLES FROM WHICH THE SCALE SCORE WILL BE CALCULATED

COMPUTE SELFCARE=RI234+RI235+RI236
IF (RI234 EQ -1 OR RI235 EQ -1 OR RI236 EQ -1)
SELFCARE=-1
COMPUTE BASWALK=RI232+RI233
IF (RI232 EQ -1 OR RI233 EQ -1)
BASWALK=-1
COMPUTE VIGACT=RI224+RI225
IF (RI224 EQ -1 OR RI225 EQ -1) VIGACT=-1
COMPUTE VAR2930=RI229+RI230
IF (RI229 EQ -1 OR RI230 EQ -1) VAR2930=-1
COMPUTE VAR2731=RI227+RI231
IF (RI227 EQ -1 OR RI231 EQ -1) VAR2731=-1

MISSING VALUES VAR2731,VAR2930,VIGACT,SELFCARE,BASWALK (-1)

COMPUTE PERFECT SCALE TYPES

COMPUTE DSGAPQB=0
COMPUTE CAPQB=999
IF (SELFCARE GE 1 AND BASWALK GE 1 AND RI228 GE 1 AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)
CAPQB=6
IF (SELFCARE EQ 0 AND BASWALK GE 1 AND RI228 GE 1 AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)
IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 GE 1
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)
CAP00B=5

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)
CAP00B=4

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
CAP00B=3

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
CAP00B=2

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT EQ 0)
CAP00B=0

COMMENT
*******************************************************************************************
COMPUTE SCALE SCORES FOR PERSONS WITH MISSING DATA

M1

IF
(SELF Care EQ -1 AND BASWALK EQ -1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
CAP00B=1

IF
(SELF Care EQ -1 AND BASWALK EQ -1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
DSCAP00B=-2

COMMENT
M2

IF
(SELF Care EQ -1 AND BASWALK EQ -1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT EQ -1)
CAP00B=-1

IF
(SELF Care EQ -1 AND BASWALK EQ -1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT EQ -1)
DSCAP00B=-2

COMMENT
M3

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT EQ -1
AND RI224 NE 1 AND RI225 NE 1)
CAP00B=0

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT EQ -1
AND RI224 NE 1 AND RI225 NE 1)
DSCAP00B=2

COMMENT
M4

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT EQ -1
AND (RI224 GE 1 OR RI225 GE 1))
CAP00B=1

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT EQ -1
AND (RI224 GE 1 OR RI225 GE 1))
DSCAP00B=1

COMMENT
M5

IF
(SELF Care EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT EQ -1)
IF CAP00B=2
(SELFCARE EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT EQ -1)
DSCAP00B=1

COMMENT M6
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ -1 AND VIGACT GE 1)
CAP00B=1
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ -1 AND VIGACT GE 1)
DSCAP00B=2

COMMENT M7
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1 )
CAP00B=3
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1 )
DSCAP00B=1

COMMENT M8
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
CAP00B=1
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
DSCAP00B=1

COMMENT M9
IF
(SELFCARE EQ -1 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
CAP00B=1
IF
(SELFCARE EQ -1 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)
DSCAP00B=1

COMMENT M10
IF
(SELFCARE EQ -1 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT GE 1 )
CAP00B=2
IF
(SELFCARE EQ -1 AND BASWALK EQ 0 AND RI228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT GE 1 )
DSCAP00B=1

COMMENT M11
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
CAP00B=2
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND RI228 EQ 0
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
DSCAP00B=2

COMMENT M12
IF
(SELFCARE GE 1 AND BASWALK GE 1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 GE 1 AND VIGACT EQ -1)
CAP00B=6
IF
(SELFCARE GE 1 AND BASWALK GE 1 AND RI228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 GE 1 AND VIGACT EQ -1)
DSCAP00B=1
-80-

COM

MENT

M13

IF

(SELF

CARE

AND

BASWALK

EQ

1

AND

RI228

EQ

1

AND

VAR2731

EQ

1

AND

VAR2930

EQ

1

AND

VIGACT

EQ

1

)  
CAP00B=6

IF

(SELF

CARE

EQ

1

AND

BASWALK

EQ

1

AND

RI228

EQ

1

AND

VAR2731

EQ

1

AND

VAR2930

EQ

1

AND

VIGACT

EQ

1

)  
DSCAP00B=1

COM

MENT

M14

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

-1

AND

RI228

EQ

-1

AND

VAR2731

EQ

-1

AND

VAR2930

EQ

-1

AND

VIGACT

EQ

-1

AND

(RI224

EQ

1

OR

RI225

EQ

1)

)  
CAP00B=1

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

-1

AND

RI228

EQ

-1

AND

VAR2731

EQ

-1

AND

VAR2930

EQ

-1

AND

VIGACT

EQ

-1

AND

(RI224

EQ

1

OR

RI225

EQ

1)

)  
DSCAP00B=2

COM

MENT

M15

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

-1

AND

VAR2930

EQ

-1

AND

VIGACT

EQ

1

)  
CAP00B=2

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

-1

AND

VAR2930

EQ

-1

AND

VIGACT

EQ

1

)  
DSCAP00B=2

COM

MENT

M16

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

0

AND

RI228

EQ

-1

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

-1

AND

(RI224

EQ

1

OR

RI225

EQ

1)

)  
CAP00B=1

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

0

AND

RI228

EQ

-1

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

-1

AND

(RI224

EQ

1

OR

RI225

EQ

1)

)  
DSCAP00B=1

COM

MENT

M17

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

-1

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

1

)  
CAP00B=1

IF

(SELF

CARE

EQ

0

AND

BASWALK

EQ

-1

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

1

)  
DSCAP00B=1

COM

MENT

M18

THE

M18

PATTERN

IS

PROGRAMMED

BY

THE

M17

PROGRAM

COM

MENT

M19

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

1

AND

VIGACT

EQ

1

)  
CAP00B=2

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

1

AND

VIGACT

EQ

1

)  
DSCAP00B=1

COM

MENT

M20

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

1

)  
CAP00B=1

IF

(SELF

CARE

EQ

-1

AND

BASWALK

EQ

0

AND

RI228

EQ

0

AND

VAR2731

EQ

0

AND

VAR2930

EQ

0

AND

VIGACT

EQ

1

)
DSCAP00B=1

COMMENT
M21
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND R1228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT EQ -1)
CAP00B=-1
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND R1228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT EQ -1)
DSCAP00B=-1

COMMENT
M22
IF
(SELFCARE EQ 0 AND BASWALK EQ -1 AND R1228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
CAP00B=1
IF
(SELFCARE EQ 0 AND BASWALK EQ -1 AND R1228 EQ -1
AND VAR2731 EQ -1 AND VAR2930 EQ -1 AND VIGACT GE 1)
DSCAP00B=2

COMMENT
M23
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND R1228 GE 1
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT EQ -1)
CAP00B=6
IF
(SELFCARE EQ -1 AND BASWALK EQ -1 AND R1228 GE 1
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT EQ -1)
DSCAP00B=1

COMMENT
M24
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND R1228 EQ 0
AND VAR2731 EQ -1 AND VAR2930 GE 1 AND VIGACT GE 1)
CAP00B=2
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND R1228 EQ 0
AND VAR2731 EQ -1 AND VAR2930 GE 1 AND VIGACT GE 1)
DSCAP00B=2

COMMENT
M25
PATTERN M25 IS PROGRAMMED LIKE M21

COMMENT
M26
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND R1228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT EQ -1)
CAP00B=2
IF
(SELFCARE EQ 0 AND BASWALK EQ 0 AND R1228 EQ 0
AND VAR2731 EQ 0 AND VAR2930 GE 1 AND VIGACT EQ -1)
DSCAP00B=1

COMMENT
M27
PATTERN M27 IS PROGRAMMED LIKE M1

COMMENT
M28
PATTERN M28 IS PROGRAMMED LIKE PATTERN M20

COMMENT
******************************************************************************
COMPUTE SCORES FOR PERSONS WITH ERROR PATTERNS
******************************************************************************
E1
IF
(SELFCARE EQ 0 AND BASWALK GE 1 AND R1228 EQ 0
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)
CAP00B=5
IF
(SELFCARE EQ 0 AND BASWALK GE 1 AND R1228 EQ 0

AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)  
DSCAP00B=1

COMMENT  
IF  
E2  
(SELF CARE GE 1 AND BASWALK GE 1 AND RI228 GE 1  
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)  
CAP00B=-1  
IF  
(SELF CARE GE 1 AND BASWALK GE 1 AND RI228 GE 1  
AND VAR2731 EQ 0 AND VAR2930 EQ 0 AND VIGACT GE 1)  
DSCAP00B=-1

COMMENT  
IF  
E3  
(SELF CARE GE 1 AND BASWALK EQ 0 AND RI228 GE 1  
AND VAR2731 GE 1 AND VAR2930 EQ 0 AND VIGACT GE 1)  
CAP00B=6  
IF  
(SELF CARE GE 1 AND BASWALK EQ 0 AND RI228 GE 1  
AND VAR2731 GE 1 AND VAR2930 EQ 0 AND VIGACT GE 1)  
DSCAP00B=2

COMMENT  
IF  
E4  
(SELF CARE EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0  
AND VAR2731 GE 1 AND VAR2930 EQ 0 AND VIGACT GE 1)  
CAP00B=3  
IF  
(SELF CARE EQ 0 AND BASWALK EQ 0 AND RI228 EQ 0  
AND VAR2731 GE 1 AND VAR2930 EQ 0 AND VIGACT GE 1)  
DSCAP00B=2

COMMENT  
E5  
ERROR PATTERN E5 IS PROGRAMMED BY THE PATTERN FOR E4

COMMENT  
IF  
E6  
(SELF CARE GE 1 AND BASWALK EQ 0 AND RI228 GE 1  
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)  
CAP00B=6  
IF  
(SELF CARE GE 1 AND BASWALK EQ 0 AND RI228 GE 1  
AND VAR2731 GE 1 AND VAR2930 GE 1 AND VIGACT GE 1)  
DSCAP00B=1

COMMENT  
*****************************************************************************
MISSING VALUES  CAP00B,DSCAP00B (-1)
*****************************************************************************

RECODE  
*****************************************************************************
REVERSE DIRECTION OF SCALE SCORE  
(0-6)(1=5)(2=4)(4=2)(5=1)(6=0)
*****************************************************************************

TASK NAME  
PEOPLE WITH UNPROGRAMMED PATTERNS

*SELECT IF  
(CAPO0B EQ 999)

LIST CASES  
CASES=300

VARIABLES=SELF CARE, BASWALK, RI228, VAR2731, VAR2930, VIGACT

FREQUENCIES

FINISH
*/
COMMENT WYLBUR SETUP ON---$S.S8542.ARO23.DAYTON.FUNCTION.CAP00A

GET FILE (TO BE ADDED)

COMMENT

CALCULATES PHYSICAL CAPACITIES INDEX (CAP00A) AND DATA STATUS INDICATORS (DSCAP00A) FOR DAYTON ENROLLMENT MEDICAL HISTORY QUESTIONNAIRE

THIS SETUP CAN BE USED ON ANY FILE IN WHICH ORIGINAL DEI'S HAVE BEEN CHANGED TO QUESTIONNAIRE ITEM NUMBERS:

<table>
<thead>
<tr>
<th>DEI</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>4445</td>
<td>1157</td>
</tr>
<tr>
<td>4447</td>
<td>1158</td>
</tr>
<tr>
<td>4449</td>
<td>1159</td>
</tr>
<tr>
<td>4451</td>
<td>1160</td>
</tr>
<tr>
<td>4453</td>
<td>1161</td>
</tr>
<tr>
<td>4455</td>
<td>1162</td>
</tr>
<tr>
<td>4457</td>
<td>1163</td>
</tr>
<tr>
<td>4459</td>
<td>1164</td>
</tr>
<tr>
<td>4461</td>
<td>1165</td>
</tr>
<tr>
<td>4463</td>
<td>1166</td>
</tr>
</tbody>
</table>

PEOPLE WHOSE PATTERN OF RESPONSES ARE NOT PROGRAMMED HERE WILL RECEIVE A SCORE ON CAP00A OF 999 AND WILL BE LISTED AT THE END OF THE PROGRAM - PROGRAMMING STATEMENTS WILL HAVE TO BE ADDED FOR THESE PEOPLE

COMMENT

CALCULATE INDICATOR OF PEOPLE WHO DID NOT COMPLETE THE QUESTIONNAIRE

COMPUTE FORMB=1

IF (I157 EQ -1) FORMB=0

COMMENT

COMPUTE INTERMEDIATE MULTI-ITEM VARIABLES FROM WHICH SCALE SCORES ARE CALCULATED

COMPUTE SELFCARE=0

IF (I157 GT 1) SELFCARE=1

IF (I157 EQ -1) SELFCARE=-1

COMPUTE WALKINS=0

IF (I158 GT 1 OR I159 GT 1) WALKINS=1

IF (I158 EQ -1 AND I159 EQ -1) WALKINS=-1

IF (I158 EQ 0 AND I159 EQ -1) WALKINS=-1

IF (I159 EQ 0 AND I158 EQ -1) WALKINS=-1

COMPUTE LITEACT=0

IF (I161 GT 1) LITEACT=1

IF (I161 EQ -1) LITEACT=-1

COMPUTE MODWALK=0

IF (I160 GT 1 OR I164 GT 1) MODWALK=1

IF (I160 EQ -1 AND I164 EQ -1) MODWALK=-1

IF (I160 EQ 0 AND I164 EQ -1) MODWALK=-1

IF (I164 EQ 0 AND I160 EQ -1) MODWALK=-1

COMPUTE RUNUP=0

IF (I162 GT 1 OR I163 GT 1) RUNUP=1

IF (I162 EQ -1 AND I163 EQ -1) RUNUP=-1
IF (1162 EQ 0 AND 1163 EQ -1) RUNUP=-1
IF (1163 EQ 0 AND 1162 EQ -1) RUNUP=-1

COMPUTE VIGACT=0
IF (1165 GT 1 OR 1166 GT 1) VIGACT=1

COMMENT

******************************************************************************
COMPUTE SCORES FOR PERFECT SCALE TYPES
******************************************************************************

COMPUTE CAP00A=999
COMPUTE DSCAP00A=0
IF (SELF CARE EQ 1 AND WALKINS EQ 1 AND LITEACT EQ 1
AND MODWALK EQ 1 AND RUNUP EQ 1 AND VIGACT EQ 1)
CAP00A=6
IF (SELF CARE EQ 0 AND WALKINS EQ 1 AND LITEACT EQ 1
AND MODWALK EQ 1 AND RUNUP EQ 1 AND VIGACT EQ 1)
CAP00A=5
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 1
AND MODWALK EQ 1 AND RUNUP EQ 1 AND VIGACT EQ 1)
CAP00A=4
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 1 AND RUNUP EQ 1 AND VIGACT EQ 1)
CAP00A=3
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 1 AND VIGACT EQ 1)
CAP00A=2
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 0 AND VIGACT EQ 1)
CAP00A=1
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 0 AND VIGACT EQ 0)
CAP00A=0

COMMENT

******************************************************************************
COMPUTE SCORES FOR PERSONS WITH ERROR PATTERNS
******************************************************************************

IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 1 AND RUNUP EQ 0 AND VIGACT EQ 0)
CAP00A=0
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 1 AND RUNUP EQ 0 AND VIGACT EQ 0)
DSCAP00A=1

IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 1 AND VIGACT EQ 0)
CAP00A=1
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 1 AND VIGACT EQ 0)
DSCAP00A=2

IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 1 AND RUNUP EQ 0 AND VIGACT EQ 1)
CAP00A=1
IF (SELF CARE EQ 0 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 1 AND RUNUP EQ 0 AND VIGACT EQ 1)
DSCAP00A=2

IF (SELF CARE EQ 1 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 0 AND VIGACT EQ 1)
CAP00A=2
IF (SELF CARE EQ 1 AND WALKINS EQ 0 AND LITEACT EQ 0
AND MODWALK EQ 0 AND RUNUP EQ 0 AND VIGACT EQ 1)
DSCAP00A=2
IF  (SELFCA РФ 0 AND WALKINS РФ 0 AND LITEACT РФ 1 AND MODWALK РФ 0 AND RUNUP РФ 1 AND VIGACT РФ 1)  CAP00A=2
IF  (SELFCA РФ 0 AND WALKINS РФ 0 AND LITEACT РФ 1 AND MODWALK РФ 0 AND RUNUP РФ 1 AND VIGACT РФ 1)  DSCAP00A=2
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 0 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1)  CAP00A=3
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 0 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1)  DSCAP00A=2
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 0 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1 AND I160 GT 1 AND I161 GT 1 AND I162 GT 1 AND I163 GT 1 AND I164 GT 1 AND I166 GT 1)  CAP00A=4
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 0 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1 AND I160 GT 1 AND I161 GT 1 AND I162 GT 1 AND I163 GT 1 AND I164 GT 1 AND I166 GT 1)  DSCAP00A=2
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 1 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1)  CAP00A=5
IF  (SELFCA РФ 1 AND WALKINS РФ 0 AND LITEACT РФ 1 AND MODWALK РФ 1 AND RUNUP РФ 1 AND VIGACT РФ 1)  DSCAP00A=2
COMMENT
A missing scale value to persons who did not complete the questionnaire
IF  (FORMN РФ 0)  CAP00A=-1
COMMENT
Compute scale score for the one person with missing data
IF  (I160 EQ -1 AND I161 EQ -1 AND I157 NE -1)  CAP00A=0
IF  (I160 EQ -1 AND I161 EQ -1 AND I157 NE -1)  DSCAP00A=1
MISSING VALUES CAP00A (-1)
COMMENT
RECODE  CAP00A (6=0)(5=1)(4=2)(3=4)(1=5)(0=6)
TASK NAME  PEOPLE WITH UNPROGRAMMED PATTERNS
*SELECT IF  (CAP00A EQ 999)
LIST CASES  CASES=300
VARIABLES=SELFCA РФ , WALKINS РФ , LITEACT РФ , MODWALK РФ , RUNUP РФ , VIGACT РФ
FREQUENCIES  GENERAL=SELFCA РФ
FINISH
SAS PROGRAMMING STATEMENTS FOR PERSONAL FUNCTIONING INDEX
SEATTLE, MASSACHUSETTS AND SOUTH CAROLINA
ENROLLMENT MEDICAL HISTORY QUESTIONNAIRE

SAVED ON WYLBUR AS $S.S8542.ARO23.W.PFI.FIVESITE
********************************************************************************************
*PERSONAL FUNCTIONING INDEX USING TRANSFORMED SCORES;

PF100B=0;
IF CAPOOB = 100 AND APERSO0B = 0 THEN PF100B=5;
ELSE IF CAPOOB = 100 AND APERSO0B = 20 THEN PF100B=4;
ELSE IF CAPOOB = 100 AND APERSO0B = 40 THEN PF100B=2;
ELSE IF CAPOOB = 100 AND APERSO0B = 60 THEN PF100B=1;
ELSE IF CAPOOB GT 70 AND CAPOOB LT 90 AND APERSO0B = 0 THEN PF100B=4;
ELSE IF CAPOOB GT 70 AND CAPOOB LT 90 AND APERSO0B = 20 THEN PF100B=3;
ELSE IF CAPOOB GT 70 AND CAPOOB LT 90 AND APERSO0B = 40 THEN PF100B=2;
ELSE IF CAPOOB GT 70 AND CAPOOB LT 90 AND APERSO0B = 60 THEN PF100B=1;
ELSE IF CAPOOB GT 60 AND CAPOOB LT 70 AND APERSO0B = 0 THEN PF100B=2;
ELSE IF CAPOOB GT 60 AND CAPOOB LT 70 AND APERSO0B = 20 THEN PF100B=2;
ELSE IF CAPOOB GT 60 AND CAPOOB LT 70 AND APERSO0B = 40 THEN PF100B=2;
ELSE IF CAPOOB GT 60 AND CAPOOB LT 70 AND APERSO0B = 60 THEN PF100B=1;
ELSE IF CAPOOB EQ 50 AND APERSO0B = 0 THEN PF100B=1;
ELSE IF CAPOOB EQ 50 AND APERSO0B = 20 THEN PF100B=1;
ELSE IF CAPOOB EQ 50 AND APERSO0B = 40 THEN PF100B=1;
ELSE IF CAPOOB EQ 50 AND APERSO0B = 60 THEN PF100B=1;

*ASSIGN SCORES FOR CASES WHEN ONE MEASURE IS MISSING;

IF CAPOOB = . AND APERSO0B = 0 THEN PF100B= 5;
IF CAPOOB = . AND APERSO0B = 20 THEN PF100B= 3;
IF CAPOOB = . AND APERSO0B = 40 THEN PF100B= 2;
IF CAPOOB = . AND APERSO0B = 60 THEN PF100B= 1;
IF CAPOOB = . AND APERSO0B = 80 THEN PF100B= 0;
IF CAPOOB = . AND APERSO0B = 100 THEN PF100B= 0;
IF APERSO0B = . AND CAPOOB = 100 THEN PF100B=5;
IF APERSO0B = . AND CAPOOB GT 70 AND CAPOOB LT 90 THEN PF100B=3;
IF APERSO0B = . AND CAPOOB GT 60 AND CAPOOB LT 70 THEN PF100B=2;
IF APERSO0B = . AND CAPOOB GT 50 THEN PF100B=1;
IF APERSO0B = . AND CAPOOB LT 55 AND CAPOOB GE 0 THEN PF100B=0;
IF CAPOOB = . AND APERSO0B = . THEN PF100B=.;

*CALCULATE DATA STATUS INDICATOR FOR THE PFI;
DSPF100B=DSAPRO0B;
IF DSCAPOOB GT DSAPRO0B THEN DSPF100B=DSCAPOOB;
IF DSAPRO0B = . THEN DSPF100B=DSCAPOOB;

IF CAPOOB = . AND APERSO0B = 0 THEN DSPF100B=2;
IF CAPOOB = . AND APERSO0B = 20 THEN DSPF100B=2;
IF CAPOOB = . AND APERSO0B = 40 THEN DSPF100B=2;
IF CAPOOB = . AND APERSO0B = 60 THEN DSPF100B=2;
IF CAPOOB = . AND APERSO0B = 80 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 100 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 100 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB GT 70 AND CAPOOB LT 90 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB GT 60 AND CAPOOB LT 70 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 50 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB LT 35 AND GE 0 THEN DSPFI00B=2;

*PERSONAL FUNCTIONING INDEX USING RAW SCORES;

PFI00B=0;
IF CAPOOB = 6 AND APERSO0B = 0 THEN PFI00B=5;
ELSE IF CAPOOB = 6 AND APERSO0B = 1 THEN PFI00B=4;
ELSE IF CAPOOB = 6 AND APERSO0B = 2 THEN PFI00B=2;
ELSE IF CAPOOB = 6 AND APERSO0B = 3 THEN PFI00B=1;
ELSE IF CAPOOB = 5 AND APERSO0B = 0 THEN PFI00B=4;
ELSE IF CAPOOB = 5 AND APERSO0B = 1 THEN PFI00B=3;
ELSE IF CAPOOB = 5 AND APERSO0B = 2 THEN PFI00B=2;
ELSE IF CAPOOB = 5 AND APERSO0B = 3 THEN PFI00B=1;
ELSE IF CAPOOB = 4 AND APERSO0B = 0 THEN PFI00B=2;
ELSE IF CAPOOB = 4 AND APERSO0B = 1 THEN PFI00B=2;
ELSE IF CAPOOB = 4 AND APERSO0B = 2 THEN PFI00B=2;
ELSE IF CAPOOB = 4 AND APERSO0B = 3 THEN PFI00B=1;
ELSE IF CAPOOB = 3 AND APERSO0B = 0 THEN PFI00B=1;
ELSE IF CAPOOB = 3 AND APERSO0B = 1 THEN PFI00B=1;
ELSE IF CAPOOB = 3 AND APERSO0B = 2 THEN PFI00B=1;
ELSE IF CAPOOB = 3 AND APERSO0B = 3 THEN PFI00B=1;

*ASSIGN SCORES FOR CASES WHEN ONE MEASURE IS MISSING;

IF CAPOOB = . AND APERSO0B = 0 THEN PFI00B= 5;
IF CAPOOB = . AND APERSO0B = 1 THEN PFI00B= 3;
IF CAPOOB = . AND APERSO0B = 2 THEN PFI00B= 2;
IF CAPOOB = . AND APERSO0B = 3 THEN PFI00B= 1;
IF CAPOOB = . AND APERSO0B = 4 THEN PFI00B= 0;
IF CAPOOB = . AND APERSO0B = 5 THEN PFI00B= 0;
IF APERSO0B = . AND CAPOOB = 6 THEN PFI00B=5;
IF APERSO0B = . AND CAPOOB = 5 THEN PFI00B=3;
IF APERSO0B = . AND CAPOOB = 4 THEN PFI00B=2;
IF APERSO0B = . AND CAPOOB = 3 THEN PFI00B=1;
IF APERSO0B = . AND CAPOOB LT 3 AND CAPOOB GE 0 THEN PFI00B=0;

IF CAPOOB = . AND APERSO0B = . THEN PFI00B = .;

*CALCULATE DATA STATUS INDICATOR FOR THE PFI;
DSPFI00B=DSDAPRO0B;
IF DSCAP00B GT DSAAPRO0B THEN DSPFI00B=DSCAP00B;
IF DSAAPRO0B = . THEN DSPFI00B=DSAPRO0B;
IF CAPOOB = . AND APERSO0B = 0 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 1 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 2 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 3 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 4 THEN DSPFI00B=2;
IF CAPOOB = . AND APERSO0B = 5 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 6 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 5 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 4 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB = 3 THEN DSPFI00B=2;
IF APERSO0B = . AND CAPOOB LT 3 AND CAPOOB GE 0 THEN DSPFI00B=2;

************************************************************************************
SAS PROGRAMMING STATEMENTS FOR PERSONAL FUNCTIONING INDEX DAYTON ENROLLMENT MEDICAL HISTORY QUESTIONNAIRE

SAVED ON WYLBUR AS S5.S8542.ARG023.W.PFI.DAYTON

******************************************************************************;
*PERSONAL FUNCTIONING INDEX USING TRANSFORMED SCORES;

PF100A=0;
IF CAPOOA = 100 AND APERSOOA = 0 THEN PF100A=5;
ELSE IF CAPOOA = 100 AND APERSOOA = 25 THEN PF100A=2;
ELSE IF CAPOOA = 100 AND APERSOOA = 50 THEN PF100A=1;
ELSE IF CAPOOA GT 70 AND CAPOOA LT 90 AND APERSOOA = 0 THEN PF100A=4;
ELSE IF CAPOOA GT 70 AND CAPOOA LT 90 AND APERSOOA = 25 THEN PF100A=2;
ELSE IF CAPOOA GT 70 AND CAPOOA LT 90 AND APERSOOA = 50 THEN PF100A=1;
ELSE IF CAPOOA GT 60 AND CAPOOA LT 70 AND APERSOOA = 0 THEN PF100A=2;
ELSE IF CAPOOA GT 60 AND CAPOOA LT 70 AND APERSOOA = 25 THEN PF100A=2;
ELSE IF CAPOOA GT 60 AND CAPOOA LT 70 AND APERSOOA = 50 THEN PF100A=1;
ELSE IF CAPOOA EQ 50 AND APERSOOA = 0 THEN PF100A=1;
ELSE IF CAPOOA EQ 50 AND APERSOOA = 25 THEN PF100A=1;
ELSE IF CAPOOA EQ 50 AND APERSOOA = 50 THEN PF100A=1;

*ASSIGN SCORES FOR CASES WHEN ONE MEASURE IS MISSING;

IF CAPOOA = . AND APERSOOA = 0 THEN PF100A=5;
IF CAPOOA = . AND APERSOOA = 25 THEN PF100A=2;
IF CAPOOA = . AND APERSOOA = 50 THEN PF100A=1;
IF CAPOOA = . AND APERSOOA = 75 THEN PF100A=0;
IF CAPOOA = . AND APERSOOA = 100 THEN PF100A=0;
IF APERSOOA = . AND CAPOOA = 100 THEN PF100A=5;
IF APERSOOA = . AND CAPOOA GT 70 AND CAPOOA LT 90 THEN PF100A=4;
IF APERSOOA = . AND CAPOOA GT 60 AND CAPOOA LT 70 THEN PF100A=2;
IF APERSOOA = . AND CAPOOA = 50 THEN PF100A=1;
IF APERSOOA = . AND CAPOOA LT 35 AND CAPOOA GE 0 THEN PF100A=0;
IF APERSOOA = . AND CAPOOA = . THEN PF100A=.;

*CALCULATE DATA STATUS INDICATOR;
DSPFI00A=DSCAP00A;
IF DSCAP00A GT DSCAP00A THEN DSPFI00A=DSCAP00A;
IF DSCAP00B = . THEN DSPFI00A=DSCAP00A;
IF CAPOOA = . AND APERSOOA = 0 THEN DSPFI00A=2;
IF CAPOOA = . AND APERSOOA = 25 THEN DSPFI00A=2;
IF CAPOOA = . AND APERSOOA = 50 THEN DSPFI00A=2;
IF CAPOOA = . AND APERSOOA = 75 THEN DSPFI00A=2;
IF CAPOOA = . AND APERSOOA = 100 THEN DSPFI00A=2;
IF APERSOOA = . AND CAPOOA = 100 THEN DSPFI00A=2;
IF APERSOOA = . AND CAPOOA GT 70 AND CAPOOA LT 90 THEN DSPFI00A=2;
IF APERSOOA = . AND CAPOOA GT 60 AND CAPOOA LT 70 THEN DSPFI00A=2;
IF APERSOOA = . AND CAPOOA = 50 THEN DSPFI00A=2;
IF APERSOOA = . AND CAPOOA LT 35 AND CAPOOA GE 0 THEN DSPFI00A=2;
******************************************************************************;
*PERSONAL FUNCTIONING INDEX USING RAW SCORES;

PFI00A=0;
ELSE IF CAP00A = 6 AND APERS00A = 0 THEN PFI00A=5;
ELSE IF CAP00A = 6 AND APERS00A = 1 THEN PFI00A=2;
ELSE IF CAP00A = 6 AND APERS00A = 2 THEN PFI00A=1;
ELSE IF CAP00A = 5 AND APERS00A = 0 THEN PFI00A=4;
ELSE IF CAP00A = 5 AND APERS00A = 1 THEN PFI00A=2;
IF CAP00A = 5 AND APERS00A = 2 THEN PFI00A=1;
ELSE IF CAP00A = 4 AND APERS00A = 0 THEN PFI00A=2;
ELSE IF CAP00A = 4 AND APERS00A = 1 THEN PFI00A=2;
ELSE IF CAP00A = 4 AND APERS00A = 2 THEN PFI00A=1;
ELSE IF CAP00A = 3 AND APERS00A = 0 THEN PFI00A=1;
ELSE IF CAP00A = 3 AND APERS00A = 1 THEN PFI00A=1;
ELSE IF CAP00A = 3 AND APERS00A = 2 THEN PFI00A=1;

*ASSIGN SCORES FOR CASES WHEN ONE MEASURE IS MISSING;

IF CAP00A = . AND APERS00A = 0 THEN PFI00A= 5;
IF CAP00A = . AND APERS00A = 1 THEN PFI00A= 2;
IF CAP00A = . AND APERS00A = 2 THEN PFI00A= 1;
IF CAP00A = . AND APERS00A = 4 THEN PFI00A= 0;
IF CAP00A = . AND APERS00A = 3 THEN PFI00A= 0;
IF APERS00A = . AND CAP00A = 6 THEN PFI00A=5;
IF APERS00A = . AND CAP00A = 5 THEN PFI00A=4;
IF APERS00A = . AND CAP00A = 4 THEN PFI00A=2;
IF APERS00A = . AND CAP00A = 3 THEN PFI00A=1;
IF APERS00A = . AND CAP00A LT 3 AND CAP00A GE 0 THEN PFI00A=0;
IF APERS00A = . AND CAP00A = . THEN PFI00A = .;

*CALCULATE DATA STATUS INDICATOR;
DSFPFI00A=DSAPRO0A;
IF DSAPRO0A GT DSAPRO0A THEN DSFPFI00A=DSCAP00A;
IF DSAPRO0B = . THEN DSFPFI00A=DSCAP00A;
IF CAP00A = . AND APERS00A = 0 THEN DSFPFI00A=2;
IF CAP00A = . AND APERS00A = 1 THEN DSFPFI00A=2;
IF CAP00A = . AND APERS00A = 2 THEN DSFPFI00A=2;
IF CAP00A = . AND APERS00A = 4 THEN DSFPFI00A=2;
IF CAP00A = . AND APERS00A = 3 THEN DSFPFI00A=2;
IF APERS00A = . AND CAP00A = 6 THEN DSFPFI00A=2;
IF APERS00A = . AND CAP00A = 5 THEN DSFPFI00A=2;
IF APERS00A = . AND CAP00A = 4 THEN DSFPFI00A=2;
IF APERS00A = . AND CAP00A = 3 THEN DSFPFI00A=2;
IF APERS00A = . AND CAP00A LT 3 AND CAP00A GE 0 THEN DSFPFI00A=2;
***************************************************************************;
Appendix C

FUNCTIONAL LIMITATIONS BATTERY

(Version II)
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

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

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

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
10. **DO YOU HAVE TO STAY INDOORS MOST OR ALL OF THE DAY, BECAUSE OF YOUR HEALTH?**

<table>
<thead>
<tr>
<th>Yes</th>
<th>1</th>
<th>—Answer 10-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>2</td>
<td>—Go to 11</td>
</tr>
</tbody>
</table>

10-A. **HOW LONG HAVE YOU HAD TO STAY INDOORS MOST OR ALL OF THE DAY, BECAUSE OF YOUR HEALTH?**

(Circle one)

<table>
<thead>
<tr>
<th>Less than 1 month</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 3 months</td>
<td>2</td>
</tr>
<tr>
<td>More than 3 months</td>
<td>3</td>
</tr>
</tbody>
</table>

11. **ARE YOU IN BED OR A CHAIR FOR MOST OR ALL OF THE DAY BECAUSE OF YOUR HEALTH?**

<table>
<thead>
<tr>
<th>Yes</th>
<th>1</th>
<th>—Answer 11-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>2</td>
<td>—Go to 12</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Less than 1 month</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 3 months</td>
<td>2</td>
</tr>
<tr>
<td>More than 3 months</td>
<td>3</td>
</tr>
</tbody>
</table>

12. **DOES YOUR HEALTH LIMIT THE KIND OF VIGOROUS ACTIVITIES YOU CAN DO, SUCH AS RUNNING, LIFTING HEAVY OBJECTS, OR PARTICIPATING IN STRENUOUS SPORTS?**

<table>
<thead>
<tr>
<th>Yes</th>
<th>1</th>
<th>—Answer 12-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>2</td>
<td>—Go to 13, next page</td>
</tr>
</tbody>
</table>

12-A. **HOW LONG HAS YOUR HEALTH LIMITED THE KIND OF VIGOROUS ACTIVITIES YOU CAN DO?**

(Circle one)

<table>
<thead>
<tr>
<th>Less than 1 month</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 3 months</td>
<td>2</td>
</tr>
<tr>
<td>More than 3 months</td>
<td>3</td>
</tr>
</tbody>
</table>
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

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

14. DO YOU HAVE TROUBLE BENDING, LIFTING, OR STOOPING BECAUSE OF YOUR HEALTH?

Yes ........................................... 1 —Answer 14-A
No ............................................. 2 —Go to 15

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

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

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
16. ARE YOU UNABLE TO WALK UNLESS YOU ARE ASSISTED BY ANOTHER PERSON OR BY A CANE, CRUTCHES, ARTIFICIAL LIMBS, OR BRACES?

Yes ................................................. 1 —Answer 16-A
No ......................................................... 2 —Go to 17

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

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

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

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

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
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

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

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

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
Appendix D

PHYSICAL CAPACITIES BATTERY

(Version II)
QUESTIONS ABOUT PHYSICAL LIMITATIONS

THESE NEXT QUESTIONS ARE ABOUT ANY PHYSICAL LIMITATIONS YOU MIGHT HAVE AND WHAT CAUSES THEM. FOR THESE ACTIVITIES, PLEASE CIRCLE A NUMBER FOR THE STATEMENT WHICH BEST DESCRIBES YOU. IF YOU CAN'T DO THE ACTIVITY, OR IF YOU CAN ONLY DO IT SLOWLY, CIRCLE THE NUMBER FOR THE ONE HEALTH PROBLEM YOU THINK IS THE MAIN CAUSE.

224. CAN YOU DO HARD ACTIVITIES AT HOME, HEAVY WORK LIKE SCRUBBING FLOORS, OR LIFTING OR MOVING HEAVY FURNITURE?

Yes ................................................. 1 —Go to 225.

Yes, but only slowly .................................. 2

No, I can't do this .................................. 3

WHY?

(Circle number for one main cause, then answer 226, page 58)

Chronic bronchitis, emphysema or phlegm ............ 01
Chest pain, heart attack, or angina .................... 02
Overweight ........................................... 03
High blood pressure (hypertension) .................... 04
Anemia (low blood) .................................... 05
Shortness of breath, enlarged heart,
or heart failure ....................................... 06
Severe stomach pain or stomach ache (ulcer) ...... 07
Kidney, bladder, or urine infection .................... 08
Joint problems (arthritis, gout, rheumatism) ...... 09
Cancer ................................................ 10
Hernia, rupture, herniated navel ....................... 11
Varicose veins ....................................... 12
Hemorrhoids .......................................... 13
Gout or thyroid trouble ................................ 14
Hay fever or other allergies to plants
and grasses ......................................... 15
Eyesight problems .................................... 16
Hearing problems .................................... 17
Diabetes or pre-diabetes (sugar in blood
or sugar disease) .................................... 18
Cholesterol (high blood cholesterol) ................. 19
Tuberculosis .......................................... 20
Trouble with drinking ................................ 21
Some other problem
(What? ............................................. ) ......... 22
225. IF YOU WANTED TO, COULD YOU PARTICIPATE IN ACTIVE SPORTS SUCH AS SWIMMING, TENNIS, BASKETBALL, VOLLEYBALL, OR ROWING A BOAT?

Yes ...................................................... 1 —Go to 237, page 69

Yes, but only slowly ..................................... 2

No, I can't do this ......................................... 3

WHY?

(Circle number for one main cause, then answer 227 through 236, pages 59-68)

Chronic bronchitis, emphysema or phlegm .............. 01
Chest pain, heart attack, or angina ..................... 02
Overweight .................................................. 03
High blood pressure (hypertension) .................... 04
Anemia (low blood) ....................................... 05
Shortness of breath, enlarged heart, or heart failure . 06
Severe stomach pain or stomach ache (ulcer) .......... 07
Kidney, bladder, or urine infection .................... 08
Joint problems (arthritis, gout, rheumatism) .......... 09
Cancer ....................................................... 10
Hernia, rupture, herniated navel ....................... 11
Varicose veins ............................................. 12
Hemorrhoids ............................................... 13
Goiter or thyroid trouble ................................ 14
Hay fever or other allergies to plants and grasses . 15
Eyesight problems ......................................... 16
Hearing problems ......................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .................. 18
Cholesterol (high blood cholesterol) .................... 19
Tuberculosis ............................................... 20
Trouble with drinking .................................. 21

Some other problem

(What? ______________________ ) ...................... 22
226. IF YOU WANTED TO, COULD YOU PARTICIPATE IN ACTIVE SPORTS SUCH AS SWIMMING, TENNIS, BASKETBALL, VOLLEYBALL, OR ROWING A BOAT?

Yes .......................................................... 1  —Answer 227-236, pages 59-68

Yes, but only slowly ....................................... 2)
No, I can't do this ......................................... 3)

(Circle number for one main cause, then answer 227 through 236, pages 59-68)

Chronic bronchitis, emphysema or phlegm ........ 01
Chest pain, heart attack, or angina ............... 02
Overweight .................................................. 03
High blood pressure (hypertension) ............... 04
Anemia (low blood) ....................................... 05
Shortness of breath, enlarged heart, or heart failure ........ 06
Severe stomach pain or stomach ache (ulcer) ... 07
Kidney, bladder, or urine infection ............... 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer ....................................................... 10
Hernia, rupture, herniated navel ................. 11
Varicose veins .............................................. 12
Hemorrhoids ................................................ 13
Goiter or thyroid trouble ............................... 14
Hay fever or other allergies to plants and grasses .... 15
Eyesight problems ......................................... 16
Hearing problems ......................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .... 18
Cholesterol (high blood cholesterol) .............. 19
Tuberculosis .................................................. 20
Trouble with drinking ..................................... 21
Some other problem ....................................... 22

(What? ___________________________________ ) .... 22
227. **COULD YOU DO MODERATE WORK AT HOME LIKE MOVING A CHAIR OR TABLE, OR PUSHING A VACUUM CLEANER?**

Yes .............................................. 1
Yes, but only slowly ............................ 2
No, I can’t do this .............................. 3

(Circle number for one main cause, then answer 228 through 236, pages 60-68)

Chronic bronchitis, emphysema or phlegm ...... 01
Chest pain, heart attack, or angina .............. 02
Overweight ..................................... 03
High blood pressure (hypertension) ............... 04
Anemia (low blood) ................................ 05
Shortness of breath, enlarged heart, or heart failure 06
Severe stomach pain or stomach ache (ulcer) . 07
Kidney, bladder, or urine infection ............... 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer ........................................... 10
Hernia, rupture, herniated navel .................. 11
Varicose veins .................................. 12
Hemorrhoids .................................... 13
Goiter or thyroid trouble .......................... 14
Hay fever or other allergies to plants and grasses 15
Eyesight problems ................................ 16
Hearing problems ................................ 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) 18
Cholesterol (high blood cholesterol) .............. 19
Tuberculosis .................................... 20
Trouble with drinking ............................ 21
Some other problem
(What? ........................................) ....... 22
228. CAN YOU DO LIGHT WORK AROUND THE HOUSE LIKE DUSTING OR WASHING DISHES?

Yes ......................................................... 1  
Yes, but only slowly .................................. 2
No, I can't do this ..................................... 3 

(Circle number for one main cause. Then answer 229 through 236, pages 61-68)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina ................. 02
Overweight .............................................. 03
High blood pressure (hypertension) ................. 04
Anemia (low blood) ..................................... 05
Shortness of breath, enlarged heart, or heart failure .......... 06
Severe stomach pain or stomach ache (ulcer) ... 07
Kidney, bladder, or urine infection ................. 08
Joint problems (arthritis, gout, rheumatism) ...... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel .................... 11
Varicose veins ......................................... 12
Hemorrhoids .......................................... 13
Goiter or thyroid trouble ............................ 14
Hay fever or other allergies to plants and grasses .......... 15
Eyesight problems .................................... 16
Hearing problems .................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .......... 18
Cholesterol (high blood cholesterol) ............... 19
Tuberculosis .......................................... 20
 Trouble with drinking .............................. 21
Some other problem
(What? .................................................. ) .......... 22
229. IF YOU WANTED TO, COULD YOU RUN A SHORT DISTANCE?

Yes .................................................. 1
Yes, but only slowly .......................... 2
No, I can't do this ............................ 3

(Circle number for one main cause, then answer 230 through 236, pages 62-68)

Chronic bronchitis, emphysema or phlegm .... 01
Chest pain, heart attack, or angina ............ 02
Overweight ........................................ 03
High blood pressure (hypertension) .......... 04
Anemia (low blood) .............................. 05
Shortness of breath, enlarged heart, or heart failure .... 06
Severe stomach pain or stomach ache (ulcer) ... 07
Kidney, bladder, or urine infection .......... 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer ............................................ 10
Hernia, rupture, herniated navel ............ 11
Varicose veins .................................... 12
Hemorrhoids ..................................... 13
Goiter or thyroid trouble ...................... 14
Hay fever or other allergies to plants and grasses .. 15
Eyesight problems .............................. 16
Hearing problems .............................. 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .. 18
Cholesterol (high blood cholesterol) .......... 19
Tuberculosis .................................. 20
Trouble with drinking ......................... 21
Some other problem (What? .................... ) 22
230. CAN YOU WALK UPHILL OR UP STAIRS?

Yes .................................................. 1
Yes, but only slowly .................................. 2
No, I can’t do this .................................. 3

WHY?

(Circle number for one main cause, then answer 231 through 236, pages 63-68)

Chronic bronchitis, emphysema or phlegm ........... 01
Chest pain, heart attack, or angina ..................... 02
Overweight ........................................... 03
High blood pressure (hypertension) ...................... 04
Anemia (low blood) ..................................... 05
Shortness of breath, enlarged heart, or heart failure .............. 06
Severe stomach pain or stomach ache (ulcer) ....... 07
Kidney, bladder, or urine infection ..................... 08
Joint problems (arthritis, gout, rheumatism) .......... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel ......................... 11
Varicose veins .......................................... 12
Hemorrhoids ........................................... 13
Goiter or thyroid trouble ................................ 14
Hay fever or other allergies to plants and grasses ....... 15
Eyesight problems ...................................... 16
Hearing problems ...................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ....... 18
Cholesterol (high blood cholesterol) ...................... 19
Tuberculosis ........................................... 20
Trouble with drinking .................................. 21
Some other problem
(What? .................................................. ) .............. 22
231. CAN YOU WALK A BLOCK OR MORE?

Yes ......................................................... 1
Yes, but only slowly .................................... 2
No, I can't do this ...................................... 3

WHY?

(Circle number for one main cause, then answer 232 through 236, pages 64-68)

Chronic bronchitis, emphysema or phlegm ........... 01
Chest pain, heart attack, or angina ...................... 02
Overweight ................................................ 03
High blood pressure (hypertension) ...................... 04
Anemia (low blood) ........................................ 05
Shortness of breath, enlarged heart, or heart failure ........ 06
Severe stomach pain or stomach ache (ulcer) .......... 07
Kidney, bladder, or urine infection ....................... 08
Joint problems (arthritis, gout, rheumatism) ........... 09
Cancer ........................................................ 10
Hernia, rupture, herniated navel ......................... 11
Varicose veins ............................................. 12
Hemorrhoids ............................................... 13
Goiter or thyroid trouble ................................ 14
Hay fever or other allergies to plants and grasses ....... 15
Eyesight problems ......................................... 16
Hearing problems .......................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ... 18
Cholesterol (high blood cholesterol) ...................... 19
Tuberculosis ................................................ 20
Trouble with drinking .................................... 21
Some other problem

(What? ____________________________ ) ............. 22
232. CAN YOU WALK AROUND INSIDE THE HOUSE?

Yes ........................................... 1
Yes, but only slowly ...................... 2
No, I can’t do this ......................... 3

**WHY?**

(Circle number for one main cause, then answer 233 through 236, pages 65-68)

- Chronic bronchitis, emphysema or phlegm .... 01
- Chest pain, heart attack, or angina .......... 02
- Overweight .................................. 03
- High blood pressure (hypertension) ........ 04
- Anemia (low blood) .......................... 05
- Shortness of breath, enlarged heart, or heart failure .......... 06
- Severe stomach pain or stomach ache (ulcer) ... 07
- Kidney, bladder, or urine infection ........ 08
- Joint problems (arthritis, gout, rheumatism) .... 09
- Cancer ...................................... 10
- Hernia, rupture, herniated navel ............ 11
- Varicose veins ................................ 12
- Hemorrhoids .................................. 13
- Goiter or thyroid trouble .................... 14
- Hay fever or other allergies to plants and grasses ........ 15
- Eyesight problems ........................... 16
- Hearing problems ............................ 17
- Diabetes or pre-diabetes (sugar in blood or sugar disease) ...... 18
- Cholesterol (high blood cholesterol) .......... 19
- Tuberculosis ................................. 20
- Trouble with drinking ....................... 21
- Some other problem (What? _______________ ) ....... 22
233. **CAN YOU WALK TO A TABLE FOR MEALS?**

| Yes | 1 |
| Yes, but only slowly | 2 |
| No, I can't do this | 3 |

(Circle number for one main cause, then answer 234 through 236, pages 66-68)

- Chronic bronchitis, emphysema or phlegm .... 01
- Chest pain, heart attack, or angina ........... 02
- Overweight ..................................... 03
- High blood pressure (hypertension) .......... 04
- Anemia (low blood) .............................. 05
- Shortness of breath, enlarged heart, or heart failure ........ 06
- Severe stomach pain or stomach ache (ulcer) ... 07
- Kidney, bladder, or urine infection .......... 08
- Joint problems (arthritis, gout, rheumatism) ... 09
- Cancer .......................................... 10
- Hernia, rupture, herniated navel .............. 11
- Varicose veins .................................. 12
- Hemorrhoids ...................................... 13
- Goiter or thyroid trouble ....................... 14
- Hay fever or other allergies to plants and grasses ... 15
- Eyesight problems ............................... 16
- Hearing problems ............................... 17
- Diabetes or pre-diabetes (sugar in blood or sugar disease) ... 18
- Cholesterol (high blood cholesterol) .......... 19
- Tuberculosis .................................... 20
- Trouble with drinking .......................... 21
- Some other problem ............................. 22

(What? ______________________________ ) ........ 22
234. CAN YOU DRESS YOURSELF?

Yes .................................................. 1
Yes, but only slowly .................................. 2
No, I can't do this .................................... 3

WHY?

(Circle number for one main cause, then answer 235 through 236, pages 67-68)

Chronic bronchitis, emphysema or phlegm ........ 01
Chest pain, heart attack, or angina ................. 02
Overweight .............................................. 03
High blood pressure (hypertension) ................. 04
Anemia (low blood) ..................................... 05
Shortness of breath, enlarged heart, or heart failure ............. 06
Severe stomach pain or stomach ache (ulcer) .... 07
Kidney, bladder, or urine infection ................. 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel .................... 11
Varicose veins .......................................... 12
Hemorrhoids ............................................. 13
Goiter or thyroid trouble .............................. 14
Hay fever or other allergies to plants and grasses .......... 15
Eyesight problems ...................................... 16
Hearing problems ...................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ...... 18
Cholesterol (high blood cholesterol) .............. 19
Tuberculosis ............................................ 20
Trouble with drinking ................................ 21
Some other problem
(What? ..................................................) .... 22
235. CAN YOU EAT WITHOUT HELP?

Yes ........................................... 1
Yes, but only slowly ........................ 2
No, I can't do this ........................... 3

(Circle number for one main cause, then answer 236, page 68)

Chronic bronchitis, emphysema or phlegm ............. 01
Chest pain, heart attack, or angina .................... 02
Overweight ........................................ 03
High blood pressure (hypertension) .................... 04
Anemia (low blood) ................................ 05
Shortness of breath, enlarged heart, or heart failure .......... 06
Severe stomach pain or stomach ache (ulcer) .......... 07
Kidney, bladder, or urine infection ..................... 08
Joint problems (arthritis, gout, rheumatism) .......... 09
Cancer .............................................. 10
Hernia, rupture, herniated navel ....................... 11
Varicose veins ...................................... 12
Hemorrhoids ....................................... 13
Goiter or thyroid trouble ................................ 14
Hay fever or other allergies to plants and grasses ........ 15
Eyesight problems .................................... 16
Hearing problems ..................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .... 18
Cholesterol (high blood cholesterol) .................... 19
Tuberculosis ........................................ 20
Trouble with drinking ................................ 21
Some other problem
(What? _______________________) ................... 22
236. CAN YOU USE THE BATHROOM WITHOUT HELP?

Yes ....................................................... 1
Yes, but only slowly .................................. 2
No, I can't do this .................................... 3

(Circle number for one main cause.)

Chronic bronchitis, emphysema or phlegm ........ 01
Chest pain, heart attack, or angina ................. 02
Overweight ............................................. 03
High blood pressure (hypertension) ................. 04
Anemia (low blood) ..................................... 05
Shortness of breath, enlarged heart, or heart failure .................. 06
Severe stomach pain or stomach ache (ulcer) ... 07
Kidney, bladder, or urine infection ................. 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer .................................................... 10
Hernia, rupture, herniated navel ..................... 11
Varicose veins ......................................... 12
Hemorrhoids ............................................ 13
Goiter or thyroid trouble ............................... 14
Hay fever or other allergies to plants and grasses ... 15
Eyesight problems ..................................... 16
Hearing problems ..................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .......... 18
Cholesterol (high blood cholesterol) ................. 19
Tuberculosis ............................................. 20
Trouble with drinking .................................. 21
Some other problem 
(What? ............................................... ) ............. 22
Appendix E

PHYSICAL CAPACITIES BATTERY

(Version III)
QUESTIONS ABOUT PHYSICAL LIMITATIONS

THESE NEXT QUESTIONS ARE ABOUT ANY PHYSICAL LIMITATIONS YOU MIGHT HAVE AND WHAT CAUSES THEM. FOR THESE ACTIVITIES, PLEASE CIRCLE A NUMBER FOR THE STATEMENT WHICH BEST DESCRIBES YOU. IF YOU CAN'T DO THE ACTIVITY, OR IF YOU CAN ONLY DO IT SLOWLY, CIRCLE THE NUMBER FOR THE ONE HEALTH PROBLEM YOU THINK IS THE MAIN CAUSE.

227. CAN YOU DO HARD ACTIVITIES AT HOME, HEAVY WORK LIKE SCRUBBING FLOORS, OR LIFTING OR MOVING HEAVY FURNITURE?

Yes ............................................ 1 —Go to Q. 228

Yes, but only slowly ................................ 2

No, I can't do this ................................ 3

WHY?

(Circle number for one main cause, then answer 228 through 238, pages 58-58.)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina ................. 02
Overweight ........................................ 03
High blood pressure (hypertension) ............... 04
Anemia (low blood) ................................ 05
Shortness of breath, enlarged heart, or heart failure .... 06
Severe stomach pain or stomach ache (ulcer) ...... 07
Kidney, bladder, or urine infection ................. 08
Joint problems (arthritis, gout, rheumatism) ...... 09
Cancer ............................................. 10
Hernia, rupture, herniated navel .................... 11
Varicose veins .................................... 12
Hemorrhoids ...................................... 13
Goiter or thyroid trouble ........................... 14
Hay fever or other allergies to plants and grasses .. 15
Eyesight problems .................................. 16
Hearing problems .................................. 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ........ 18
Cholesterol (high blood cholesterol) ............... 19
Tuberculosis ...................................... 20
Trouble with drinking ................................ 21
Stroke ............................................ 22
Pregnancy ........................................ 23
Back problems .................................... 24
Some other problem (What? ..........................) .... 25
228. IF YOU WANTED TO, COULD YOU PARTICIPATE IN ACTIVE SPORTS SUCH AS SWIMMING, TENNIS, BASKETBALL, VOLLEYBALL, OR ROWING A BOAT?

Yes ................................................................. 1 —Answer Q. 229-238, pages 59-68

Yes, but only slowly ........................................ 2)
No, I can’t do this ........................................... 3)

WHY?

(Circle number for one main cause, then answer 229 through 238, pages 59-68)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina .................. 02
Overweight ..................................................... 03
High blood pressure (hypertension) ................. 04
Anemia (low blood) ........................................... 05
Shortness of breath, enlarged heart, or heart failure .......... 06
Severe stomach pain or stomach ache (ulcer) .... 07
Kidney, bladder, or urine infection .................. 08
Joint problems (arthritis, gout, rheumatism) ...... 09
Cancer .......................................................... 10
Hernia, rupture, herniated navel ...................... 11
Varicose veins ............................................... 12
Hemorrhoids .................................................. 13
Goiter or thyroid trouble .................................. 14
Hay fever or other allergies to plants and grasses ... 15
Eyesight problems .......................................... 16
Hearing problems .......................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .......... 18
Cholesterol (high blood cholesterol) ................. 19
Tuberculosis .................................................. 20
Trouble with drinking .................................... 21
Stroke .......................................................... 22
Pregnancy ..................................................... 23
Back problems .............................................. 24
Some other problem ........................................ 25
(What? ________________________________) ....... 25
229. COULD YOU DO MODERATE WORK AT HOME LIKE MOVING A CHAIR OR TABLE, OR PUSHING A VACUUM CLEANER?

Yes .................................................. 1
Yes, but only slowly .................................... 2
No, I can't do this ........................................ 3

(Circle number for **one** main cause, then answer 230 through 238, pages 60-68)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina .................. 02
Overweight ............................................. 03
High blood pressure (hypertension) .................. 04
Anemia (low blood) ...................................... 05
Shortness of breath, enlarged heart, or heart failure .......... 06
Severe stomach pain or stomach ache (ulcer) ....... 07
Kidney, bladder, or urine infection .................. 08
Joint problems (arthritis, gout, rheumatism) ....... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel ..................... 11
Varicose veins ......................................... 12
Hemorrhoids ........................................... 13
Goiter or thyroid trouble ................................ 14
Hay fever or other allergies to plants and grasses .... 15
Eyesight problems ..................................... 16
Hearing problems ..................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .... 18
Cholesterol (high blood cholesterol) ................ 19
Tuberculosis .......................................... 20
Trouble with drinking .................................. 21
Stroke .................................................. 22
Pregnancy ............................................. 23
Back problems ........................................ 24
Some other problem (What? ___________________________ ) ........ 25
230. CAN YOU DO LIGHT WORK AROUND THE HOUSE LIKE DUSTING OR WASHING DISHES?

Yes ........................................................... 1
Yes, but only slowly .................................... 2
No, I can't do this ..................................... 3

(Circle number for one main cause, then answer 231 through 238, pages 61-68)

Chronic bronchitis, emphysema or phlegm ...... 01
Chest pain, heart attack, or angina ............... 02
Overweight ................................................. 03
High blood pressure (hypertension) ............ 04
Anemia (low blood) ...................................... 05
Shortness of breath, enlarged heart, or heart failure ............ 06
Severe stomach pain or stomach ache (ulcer) .... 07
Kidney, bladder, or urine infection ............ 08
Joint problems (arthritis, gout, rheumatism) .... 09
Cancer ..................................................... 10
Hernia, rupture, herniated navel ............... 11
Varicose veins .......................................... 12
Hemorrhoids ............................................. 13
Goiter or thyroid trouble ......................... 14
Hay fever or other allergies to plants and grasses .................... 15
Eyesight problems .................................... 16
Hearing problems .................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .... 18
Cholesterol (high blood cholesterol) ............ 19
Tuberculosis ............................................. 20
TROUBLE WITH DRINKING ......................... 21
Stroke .................................................. 22
Pregnancy ............................................... 23
Back problems ....................................... 24
Some other problem (What? ________________________) .... 25
231. IF YOU WANTED TO, COULD YOU RUN A SHORT DISTANCE?

Yes .................................................. 1
Yes, but only slowly ............................. 2
No, I can't do this ............................... 3

(Circle number for one main cause, then answer 232 through 238, pages 62-68)

Chronic bronchitis, emphysema or phlegm ........ 01
Chest pain, heart attack, or angina ............... 02
Overweight ........................................ 03
High blood pressure (hypertension) .............. 04
Anemia (low blood) ................................ 05
Shortness of breath, enlarged heart, or heart failure ... 06
Severe stomach pain or stomach ache (ulcer) .... 07
Kidney, bladder, or urine infection ............... 08
Joint problems (arthritis, gout, rheumatism) ... 09
Cancer .............................................. 10
Hernia, rupture, herniated navel .................. 11
Varicose veins .................................... 12
Hemorrhoids ...................................... 13
Goiter or thyroid trouble .......................... 14
Hay fever or other allergies to plants and grasses .. 15
Eyesight problems .................................. 16
Hearing problems .................................. 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ...... 18
Cholesterol (high blood cholesterol) ............... 19
Tuberculosis ...................................... 20
Trouble with drinking ................................ 21
Stroke ............................................. 22
Pregnancy ........................................ 23
Back problems .................................... 24
Some other problem
(What? ________________________________) .... 25

DO NOT WRITE IN THIS SPACE

56/

57-58/

CARD 07
232. CAN YOU WALK UPHILL OR UPSTAIRS?

Yes .................................................. 1
Yes, but only slowly .................................. 2
No, I can't do this ................................... 3

(Circle number for one main cause, then answer 233 through 238, pages 63-68)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina .................. 02
Overweight ........................................... 03
High blood pressure (hypertension) .................. 04
Anemia (low blood) .................................... 05
Shortness of breath, enlarged heart, or heart failure .... 06
Severe stomach pain or stomach ache (ulcer) ...... 07
Kidney, bladder, or urine infection .................. 08
Joint problems (arthritis, gout, rheumatism) ......... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel ...................... 11
Varicose veins ........................................ 12
Hemorrhoids ......................................... 13
Goiter or thyroid trouble .............................. 14
Hay fever or other allergies to plants and grasses ...... 15
Eyesight problems ..................................... 16
Hearing problems ..................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ........... 18
Cholesterol (high blood cholesterol) .................. 19
Tuberculosis .......................................... 20
Trouble with drinking .................................. 21
Stroke .................................................. 22
Pregnancy ............................................ 23
Back problems ....................................... 24
Some other problem (What? ________________________) ........ 25
233. CAN YOU WALK A BLOCK OR MORE?

Yes .................................................. 1
Yes, but only slowly ................................ 2
No, I can't do this ................................ 3

WHY?

(Circle number for one main cause, then answer 234 through 238, pages 64-68)

Chronic bronchitis, emphysema or phlegm ........... 01
Chest pain, heart attack, or angina .................. 02
Overweight .............................................. 03
High blood pressure (hypertension) ................... 04
Anemia (low blood) .................................... 05
Shortness of breath, enlarged heart, or heart failure .. 06
Severe stomach pain or stomach ache (ulcer) ....... 07
Kidney, bladder, or urine infection ................... 08
Joint problems (arthritis, gout, rheumatism) ......... 09
Cancer ................................................. 10
Hernia, rupture, herniated navel ...................... 11
Varicose veins ......................................... 12
Hemorrhoids .......................................... 13
Goiter or thyroid trouble ............................. 14
Hay fever or other allergies to plants and grasses .. 15
Eyesight problems .................................... 16
Hearing problems .................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) .................................. 18
Cholesterol (high blood cholesterol) ................... 19
Tuberculosis .......................................... 20
Trouble with drinking ................................ 21
Stroke .................................................. 22
Pregnancy ............................................. 23
Back problems ....................................... 24
Some other problem
(What? ________________________) .................. 25
234. CAN YOU WALK AROUND INSIDE THE HOUSE?

Yes ............................................. 1
Yes, but only slowly .......................... 2
No, I can’t do this ............................. 3

WHY?

(Circle number for one main cause, then answer 235 through 238, pages 65-68)

Chronic bronchitis, emphysema or phlegm .......... 01
Chest pain, heart attack, or angina .................. 02
Overweight ...................................... 03
High blood pressure (hypertension) .................. 04
Anemia (low blood) ................................ 05
Shortness of breath, enlarged heart, or heart failure ........ 06
Severe stomach pain or stomach ache (ulcer) ...... 07
Kidney, bladder, or urine infection ................... 08
Joint problems (arthritis, gout, rheumatism) ......... 09
Cancer ......................................... 10
Hernia, rupture, herniated navel ...................... 11
Varicose veins ................................... 12
Hemorrhoids ..................................... 13
Goiter or thyroid trouble ............................ 14
Hay fever or other allergies to plants and grasses ....... 15
Eyesight problems .................................. 16
Hearing problems .................................. 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) 18
Cholesterol (high blood cholesterol) ................. 19
Tuberculosis ..................................... 20
Trouble with drinking ................................ 21
Stroke .......................................... 22
Pregnancy ....................................... 23
Back problems ................................... 24
Some other problem (What? ______________________) .......... 25
235. CAN YOU WALK TO A TABLE FOR MEALS?

Yes ................................................................. 1
Yes, but only slowly ........................................... 2
No, I can't do this .............................................. 3

(Circle number for one main cause, then answer 236 through 238, pages 66-68)

Chronic bronchitis, emphysema or phlegm ............... 01
Chest pain, heart attack, or angina .......................... 02
Overweight ......................................................... 03
High blood pressure (hypertension) .......................... 04
Anemia (low blood) .............................................. 05
Shortness of breath, enlarged heart, or heart failure .... 06
Severe stomach pain or stomach ache (ulcer) .......... 07
Kidney, bladder, or urine infection .......................... 08
Joint problems (arthritis, gout, rheumatism) .............. 09
Cancer ............................................................... 10
Hernia, rupture, herniated havel .............................. 11
Varicose veins ..................................................... 12
Hemorrhoids ....................................................... 13
Goiter or thyroid trouble ....................................... 14
Hay fever or other allergies to plants and grasses ...... 15
Eyesight problems ................................................ 16
Hearing problems ............................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) 18
Cholesterol (high blood cholesterol) ........................ 19
Tuberculosis ....................................................... 20
Trouble with drinking ......................................... 21
Stroke .................................................................. 22
Pregnancy ............................................................ 23
Back problems ...................................................... 24
Some other problem .............................................. 25

(What? ________________________) .......................... 25
236. CAN YOU DRESS YOURSELF?

Yes .................................................. 1
Yes, but only slowly ................................ 2
No, I can't do this ................................... 3

(Circle number for one main cause, then answer 237 through 238, pages 67-68)

Chronic bronchitis, emphysema or phlegm .... 01
Chest pain, heart attack, or angina .............. 02
Overweight ........................................... 03
High blood pressure (hypertension) .............. 04
Anemia (low blood) ................................... 05
Shortness of breath, enlarged heart, or heart failure ........................................... 06
Severe stomach pain or stomach ache (ulcer) ... 07
Kidney, bladder, or urine infection ............... 08
Joint problems (arthritis, gout, rheumatism) ... 09
Cancer .................................................. 10
Hernia, rupture, herniated navel ................... 11
Varicose veins ......................................... 12
Hemorrhoids .......................................... 13
Goiter or thyroid trouble ............................. 14
Hay fever or other allergies to plants and grasses ........................................... 15
Eyesight problems ..................................... 16
Hearing problems ...................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ........................................ 18
Cholesterol (high blood cholesterol) .............. 19
Tuberculosis ............................................ 20
Trouble with drinking ................................ 21
Stroke .................................................. 22
Pregnancy .............................................. 23
Back problems ........................................ 24
Some other problem
(What? ____________________________________) .... 25
237. **CAN YOU EAT WITHOUT HELP?**

<table>
<thead>
<tr>
<th>Reason</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1</td>
</tr>
<tr>
<td>Yes, but only slowly</td>
<td>2</td>
</tr>
<tr>
<td>No, I can't do this</td>
<td>3</td>
</tr>
</tbody>
</table>

(Circle number for one main cause, then answer 238, page 68)

Chronic bronchitis, emphysema or phlegm .................................. 01
Chest pain, heart attack, or angina ........................................ 02
Overweight ............................................................................. 03
High blood pressure (hypertension) ........................................... 04
Anemia (low blood) ..................................................................... 05
Shortness of breath, enlarged heart, or heart failure ...................... 06
Severe stomach pain or stomach ache (ulcer) ................................ 07
Kidney, bladder, or urine infection .......................................... 08
Joint problems (arthritis, gout, rheumatism) ................................ 09
Cancer ...................................................................................... 10
Hernia, rupture, herniated navel ............................................. 11
Varicose veins ........................................................................... 12
Hemorrhoids .............................................................................. 13
Goiter or thyroid trouble .......................................................... 14
Hay fever or other allergies to plants and grasses .......................... 15
Eyesight problems ...................................................................... 16
Hearing problems ....................................................................... 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ............... 18
Cholesterol (high blood cholesterol) .......................................... 19
Tuberculosis .............................................................................. 20
Trouble with drinking .................................................................. 21
Stroke ....................................................................................... 22
Pregnancy ................................................................................... 23
Back problems ............................................................................ 24
Some other problem (What? ....................................................... 25
238. CAN YOU USE THE BATHROOM WITHOUT HELP?

Yes .......................................................... 1
Yes, but only slowly ....................................... 2
No, I can't do this ........................................... 3

(Circle number for one main cause.)

Chronic bronchitis, emphysema or phlegm ........ 01
Chest pain, heart attack, or angina .................. 02
Overweight ................................................... 03
High blood pressure (hypertension) ................. 04
Anemia (low blood) ........................................ 05
Shortness of breath, enlarged heart, or heart failure ........................................................................ 06
Severe stomach pain or stomach ache (ulcer) ..... 07
Kidney, bladder, or urine infection ................. 08
Joint problems (arthritis, gout, rheumatism) ...... 09
Cancer ............................................................ 10
Hernia, rupture, herniated navel .................... 11
Varicose veins ................................................ 12
Hemorrhoids ................................................... 13
Goiter or thyroid trouble .................................. 14
Hay fever or other allergies to plants and grasses .................................................................... 15
Eyesight problems .......................................... 16
Hearing problems ............................................ 17
Diabetes or pre-diabetes (sugar in blood or sugar disease) ....................................................... 18
Cholesterol (high blood cholesterol) ............... 19
Tuberculosis .................................................... 20
Trouble with drinking ..................................... 21
Stroke ........................................................... 22
Pregnancy ....................................................... 23
Back problems ............................................... 24
Some other problem
(What? ______________________________________) .... 25
Appendix F

SUMMARY STATISTICS FOR FUNCTIONAL STATUS MEASURES

FOR EACH SITE
Table F.1

SUMMARY INFORMATION FOR CHRONIC PERSONAL LIMITATIONS FOR PEOPLE AGED 14 TO 61 IN ALL SITES
(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Information</th>
<th>Dayton (^a) (N=1212)</th>
<th>Seattle (N=2235)</th>
<th>Pittsburgh (N=483)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
</tr>
<tr>
<td>Scale Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>--</td>
<td>--</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>10</td>
<td>0.4</td>
<td>3</td>
<td>0.6</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>17</td>
<td>20</td>
<td>0.9</td>
<td>8</td>
<td>1.7</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>23</td>
<td>69</td>
<td>3.1</td>
<td>15</td>
<td>3.1</td>
<td>13</td>
</tr>
<tr>
<td>1</td>
<td>61</td>
<td>240</td>
<td>10.7</td>
<td>39</td>
<td>8.1</td>
<td>44</td>
</tr>
<tr>
<td>0</td>
<td>1104</td>
<td>911</td>
<td>84.7</td>
<td>418</td>
<td>86.5</td>
<td>521</td>
</tr>
<tr>
<td>-1 missing</td>
<td>0</td>
<td>0.0</td>
<td>2</td>
<td>0.1</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>99.9(^b)</td>
<td>483</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Data Status Indicator

|                      | Number of total         | Number           | Percent of total    | Number               | Percent of total   | Number                 | Percent of total |
|----------------------|-------------------------|------------------|---------------------|----------------------|-------------------|-------------------------|                |
| 0 Perfect scale type | 1200                    | 99.0             | 2137                | 95.6                 | 456               | 94.4                    | 567             |
| 1 Estimated, probably accurate | 1               | 0.1              | 66                  | 3.0                 | 19                | 3.9                     | 16              |
| 2 Estimated, may be inaccurate | 11             | 0.9              | 30                  | 1.3                 | 8                 | 1.7                     | 2               |
| -1 Missing scale score | 0                       | 0.0              | 2                   | 0.1                  | 0.0               | 0                      | 0.0             |
| Total                | 1212                    | 100.0            | 2235                | 100.0                | 483               | 100.0                   | 585             |

Limited at all

|                      | Number of total         | Number           | Percent of total    | Number               | Percent of total   | Number                 | Percent of total |
|----------------------|-------------------------|------------------|---------------------|----------------------|-------------------|-------------------------|                |
| 0                    | 108                     | 8.9              | 339                 | 15.2                 | 65                | 13.4                    | 64              |
| 1 Mean               | .15                     | .21              | .22                 | .22                  | .16               | .26                     | .26             |
| 1 Standard deviation | .57                     | .58              | .64                 | .52                  | .74               | .75                     |                |

\(^a\) Scale constructed in Dayton is based on slightly different items.

\(^b\) Does not equal 100.0 due to rounding error.
<table>
<thead>
<tr>
<th>Information</th>
<th>Dayton (N=2212)</th>
<th>Seattle (N=2235)</th>
<th>Pueblo (N=683)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>Scale Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>0.2</td>
<td>0</td>
<td>0.0</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>0.6</td>
<td>20</td>
<td>0.9</td>
<td>4</td>
<td>0.8</td>
</tr>
<tr>
<td>3</td>
<td>23</td>
<td>1.9</td>
<td>21</td>
<td>0.9</td>
<td>9</td>
<td>1.9</td>
</tr>
<tr>
<td>2</td>
<td>25</td>
<td>2.1</td>
<td>74</td>
<td>3.3</td>
<td>16</td>
<td>3.3</td>
</tr>
<tr>
<td>1</td>
<td>64</td>
<td>5.3</td>
<td>268</td>
<td>12.0</td>
<td>47</td>
<td>9.7</td>
</tr>
<tr>
<td>0</td>
<td>1093</td>
<td>90.2</td>
<td>1846</td>
<td>82.6</td>
<td>407</td>
<td>84.3</td>
</tr>
<tr>
<td>-1 missing</td>
<td>0</td>
<td>0.0</td>
<td>2</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>100.0</td>
</tr>
<tr>
<td>Data Status Indicator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 Perfect scale type</td>
<td>1195</td>
<td>98.6</td>
<td>2131</td>
<td>95.3</td>
<td>456</td>
<td>94.4</td>
</tr>
<tr>
<td>1 Estimated, probably accurate</td>
<td>1</td>
<td>0.1</td>
<td>68</td>
<td>3.0</td>
<td>19</td>
<td>3.9</td>
</tr>
<tr>
<td>2 Estimated, may be inaccurate</td>
<td>16</td>
<td>1.3</td>
<td>34</td>
<td>1.5</td>
<td>8</td>
<td>1.7</td>
</tr>
<tr>
<td>-1 Missing scale score</td>
<td>0</td>
<td>0.0</td>
<td>2</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>99.9</td>
<td>483</td>
<td>100.0</td>
</tr>
<tr>
<td>Limited at all</td>
<td>119</td>
<td>9.8</td>
<td>387</td>
<td>17.3</td>
<td>76</td>
<td>15.7</td>
</tr>
<tr>
<td>Summary Statistics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean</td>
<td>.17</td>
<td>.26</td>
<td>.25</td>
<td>.20</td>
<td>.32</td>
<td>.37</td>
</tr>
<tr>
<td>Standard deviation</td>
<td>.61</td>
<td>.68</td>
<td>.68</td>
<td>.63</td>
<td>.83</td>
<td>.89</td>
</tr>
</tbody>
</table>

*Scale constructed in Dayton is based on slightly different items.

*Does not equal 100.0 due to rounding error.
Table F.3
SUMMARY INFORMATION FOR CHRONIC ROLE LIMITATIONS FOR PEOPLE AGED 14 TO 61 IN ALL SITES
(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Information</th>
<th>Dayton (N=1212)</th>
<th>Seattle (N=2233)</th>
<th>Fitchburg (N=483)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>Scale Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>--</td>
<td>--</td>
<td>39</td>
<td>1.7</td>
<td>19</td>
<td>3.9</td>
</tr>
<tr>
<td>2</td>
<td>43</td>
<td>3.5</td>
<td>73</td>
<td>3.3</td>
<td>7</td>
<td>1.4</td>
</tr>
<tr>
<td>1</td>
<td>65</td>
<td>5.4</td>
<td>133</td>
<td>6.1</td>
<td>20</td>
<td>4.1</td>
</tr>
<tr>
<td>0</td>
<td>1104</td>
<td>91.1</td>
<td>1987</td>
<td>88.9</td>
<td>437</td>
<td>90.5</td>
</tr>
<tr>
<td>-1 missing</td>
<td>0</td>
<td>0.0</td>
<td>3</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Data Status Indicator

<table>
<thead>
<tr>
<th></th>
<th>Dayton (N=1212)</th>
<th>Seattle (N=2233)</th>
<th>Fitchburg (N=483)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>0 Perfect scale type</td>
<td>1210</td>
<td>99.8</td>
<td>2177</td>
<td>97.4</td>
<td>473</td>
<td>97.9</td>
</tr>
<tr>
<td>1 Estimated, probably accurate</td>
<td>0</td>
<td>0.0</td>
<td>18</td>
<td>0.8</td>
<td>4</td>
<td>0.8</td>
</tr>
<tr>
<td>2 Estimate, may be inaccurate</td>
<td>3</td>
<td>0.2</td>
<td>37</td>
<td>1.7</td>
<td>6</td>
<td>1.2</td>
</tr>
<tr>
<td>-1 Scale score missing</td>
<td>0</td>
<td>0.0</td>
<td>3</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>99.9&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

Limited at all

<table>
<thead>
<tr>
<th></th>
<th>Dayton (N=1212)</th>
<th>Seattle (N=2233)</th>
<th>Fitchburg (N=483)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>Mean</td>
<td>108</td>
<td>8.9</td>
<td>245</td>
<td>11.0</td>
<td>46</td>
<td>9.5</td>
</tr>
<tr>
<td>Standard deviation</td>
<td>0.12</td>
<td>0.18</td>
<td>0.19</td>
<td>0.19</td>
<td>0.17</td>
<td>0.20</td>
</tr>
</tbody>
</table>

<sup>a</sup>This level not measured in Dayton.

<sup>b</sup>Does not equal 100.0 due to rounding error.
### Table F.4

#### SUMMARY INFORMATION FOR ANY ROLE LIMITATIONS FOR PEOPLE AGED 14 TO 61 IN ALL SITES

(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Information</th>
<th>Dayton (N=1212)</th>
<th>Seattle (N=2235)</th>
<th>Fitchburg (N=483)</th>
<th>Franklin Co. (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown Co. (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>Scale Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>57</td>
<td>2.6</td>
<td>22</td>
<td>4.6</td>
<td>12</td>
<td>2.1</td>
</tr>
<tr>
<td>2</td>
<td>69</td>
<td>5.7</td>
<td>81</td>
<td>3.6</td>
<td>7</td>
<td>1.4</td>
</tr>
<tr>
<td>1</td>
<td>79</td>
<td>6.5</td>
<td>149</td>
<td>6.7</td>
<td>22</td>
<td>4.6</td>
</tr>
<tr>
<td>0</td>
<td>1064</td>
<td>87.8</td>
<td>1945</td>
<td>87.0</td>
<td>432</td>
<td>89.4</td>
</tr>
<tr>
<td>-1 missing</td>
<td>0</td>
<td>0.0</td>
<td>3</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>1212</td>
<td>100.0</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>100.0</td>
</tr>
</tbody>
</table>

| Data Status Indicator        |                 |                  |                   |                      |                   |                        |
|------------------------------|-----------------|------------------|-------------------|----------------------|                   |                        |
| 0 Perfect scale type         | 1211            | 99.9             | 2172              | 97.2                 | 471               | 97.3                   | 577                     | 98.6                     | 600                     | 94.6                     | 614                     | 92.2                     |
| 1 Estimated, probably accurate | 0              | 0.0              | 19                | 0.9                  | 5                 | 1.0                    | 1                       | 0.2                      | 13                      | 2.1                      | 25                      | 3.8                      |
| 2 Estimated, may be inaccurate | 1              | 0.1              | 4                 | 1.8                  | 5                 | 1.0                    | 7                       | 1.2                      | 17                      | 2.7                      | 23                      | 3.4                      |
| -1 Scale score missing       | 0               | 0.0              | 3                 | 0.1                  | 2                 | 0.4                    | 0                       | 0.0                      | 4                       | 0.6                      | 4                       | 0.6                      |
| Total                        | 1212            | 100.0            | 2235              | 100.0                | 483               | 99.9                   | 585                     | 100.0                    | 634                     | 100.0                    | 666                     | 100.0                    |
| Limited at all               | 148             | 12.2             | 207               | 21.8                 | 51                | 10.6                   | 69                      | 11.8                     | 56                      | 11.7                     | 92                      | 13.8                     |

**Summary Statistics**

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mean</strong></td>
<td>.18</td>
<td>0.22</td>
<td>0.21</td>
<td>0.20</td>
<td>0.24</td>
<td>0.27</td>
</tr>
<tr>
<td><strong>Standard deviation</strong></td>
<td>.51</td>
<td>0.63</td>
<td>0.68</td>
<td>0.60</td>
<td>0.70</td>
<td>0.73</td>
</tr>
</tbody>
</table>

\[a\] This level not measured in Dayton.

\[b\] Does not equal 100.0 due to rounding error.
<table>
<thead>
<tr>
<th>Information</th>
<th>Dayton (N=838)</th>
<th>Seattle (N=2235)</th>
<th>Fitchburg (N=683)</th>
<th>Franklin County (N=585)</th>
<th>Charleston (N=634)</th>
<th>Georgetown County (N=666)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>Scale Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>6</td>
<td>0.7</td>
<td>6</td>
<td>0.3</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>0.2</td>
<td>3</td>
<td>0.1</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>1.2</td>
<td>2</td>
<td>0.1</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
<td>1.4</td>
<td>30</td>
<td>1.3</td>
<td>11</td>
<td>2.3</td>
</tr>
<tr>
<td>4</td>
<td>21</td>
<td>2.5</td>
<td>68</td>
<td>3.0</td>
<td>19</td>
<td>2.9</td>
</tr>
<tr>
<td>5</td>
<td>37</td>
<td>4.4</td>
<td>229</td>
<td>10.2</td>
<td>40</td>
<td>8.3</td>
</tr>
<tr>
<td>6</td>
<td>750</td>
<td>89.5</td>
<td>1891</td>
<td>84.7</td>
<td>411</td>
<td>85.1</td>
</tr>
<tr>
<td>-1 (missing)</td>
<td>0</td>
<td>0.0</td>
<td>6</td>
<td>0.3</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>Total</td>
<td>838</td>
<td>99.9c</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>100.0</td>
</tr>
</tbody>
</table>

**Data Status Indicator**

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Perfect scale type</td>
<td>817</td>
<td>97.5</td>
<td>2174</td>
<td>97.3</td>
<td>472</td>
<td>97.7</td>
</tr>
<tr>
<td>1 Estimated, probably accurate</td>
<td>2</td>
<td>0.2</td>
<td>10</td>
<td>0.4</td>
<td>3</td>
<td>0.6</td>
</tr>
<tr>
<td>2 Estimated, may be inaccurate</td>
<td>9</td>
<td>2.3</td>
<td>46</td>
<td>2.0</td>
<td>7</td>
<td>1.4</td>
</tr>
<tr>
<td>-1 Missing scale score</td>
<td>0</td>
<td>0.0</td>
<td>6</td>
<td>0.3</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>Limited at all</td>
<td>838</td>
<td>100.1c</td>
<td>2235</td>
<td>100.0</td>
<td>483</td>
<td>99.9c</td>
</tr>
</tbody>
</table>

**Summary Statistics**

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>5.76</td>
<td>5.77</td>
<td>5.76</td>
<td>5.78</td>
<td>5.72</td>
</tr>
<tr>
<td>Standard deviation</td>
<td>0.85</td>
<td>0.66</td>
<td>0.65</td>
<td>0.67</td>
<td>0.73</td>
</tr>
</tbody>
</table>

\(^a\) Scale constructed in Dayton is based on slightly different items (see text).

\(^b\) Total enrollment sample of persons aged 14-61 in Dayton is 1212. A random sample of 838 persons filled out the Form B questionnaire which contained the Physical Capacities battery.

\(^c\) Does not equal 100.0 due to rounding error.
Table F.6
SUMMARY INFORMATION FOR PERSONAL FUNCTIONING INDEX FOR PEOPLE AGED 14 TO 61 IN ALL SITES
(Enrollment Medical History Questionnaire)

<table>
<thead>
<tr>
<th>Score</th>
<th>Dayton(^a)</th>
<th>Seattle</th>
<th>Fitchburg</th>
<th>Franklin County</th>
<th>Charleston</th>
<th>Georgetown County</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
<td>Number</td>
<td>Percent of total</td>
</tr>
<tr>
<td>5 Best functioning</td>
<td>692</td>
<td>89.4</td>
<td>1735</td>
<td>77.9</td>
<td>384</td>
<td>79.7</td>
</tr>
<tr>
<td>4</td>
<td>12</td>
<td>1.6</td>
<td>200</td>
<td>9.0</td>
<td>39</td>
<td>8.1</td>
</tr>
<tr>
<td>3</td>
<td>--</td>
<td>--</td>
<td>112</td>
<td>5.0</td>
<td>17</td>
<td>3.5</td>
</tr>
<tr>
<td>2</td>
<td>38</td>
<td>4.9</td>
<td>111</td>
<td>5.0</td>
<td>23</td>
<td>4.8</td>
</tr>
<tr>
<td>1</td>
<td>10</td>
<td>1.3</td>
<td>43</td>
<td>1.9</td>
<td>14</td>
<td>2.9</td>
</tr>
<tr>
<td>0 Poorest functioning</td>
<td>22</td>
<td>2.8</td>
<td>26</td>
<td>1.2</td>
<td>5</td>
<td>1.0</td>
</tr>
<tr>
<td>Missing</td>
<td>7</td>
<td>--</td>
<td>8</td>
<td>--</td>
<td>1</td>
<td>--</td>
</tr>
</tbody>
</table>

Total 774 | 100.0 | 2235 | 100.0 | 483 | 100.0 | 585 | 100.0 | 634 | 100.0 | 666 | 100.0 |

\(^a\) This index was scored in Dayton only for those people who remained in the experiment (i.e., those not in the control group).