

Hays, Ronald D., Ph.D.
Medicine/GIM&HSR/CHS
CURRICULUM VITAE

PERSONAL HISTORY:

Business Address: UCLA David Geffen School of Medicine & Department of Medicine
1100 Glendon Avenue
Los Angeles, CA 90024-1736
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RAND (Affiliated Adjunct Researcher)
Health Program
1776 Main Street
Santa Monica, CA 90407-2138
(310) 393-0411
(310) 393-4818

EDUCATION:

B.A. 1979, University of California, Riverside (Psychology)
M.A. 1981, University of California, Riverside (Psychology)
Ph.D. 1984, University of California, Riverside (Psychology)

PROFESSIONAL EXPERIENCE:

PRESENT POSITIONS

2018 – Present Professor (initial above scale), UCLA Department of Medicine
2000 – Present Professor, Department of Health Policy and Management
UCLA School of Public Health
1997 – Present Professor of Medicine, Division of General Internal Medicine & Health
Services Research, UCLA Department of Medicine, Los Angeles, CA
1991 – Present Senior Social Policy Analyst, RAND

PREVIOUS POSITIONS

1984 - 1985 Consultant, Behavioral Sciences Department, RAND
1985 - 1990 Associate Behavioral Scientist, RAND
1987 – 1997 Adjunct Research Faculty, California School of Professional Psychology,
Los Angeles
1990 - 1991 Social Policy Analyst, RAND
1991 – 1993 Faculty mentor/consultant, UCLA Faculty Scholar Program in Mental
Health Services Research
1993 – 199 Adjunct Associate Professor, Step II, UCLA Department of Medicine
2006 – 2007 Pardee RAND Graduate School Faculty

PROFESSIONAL ACTIVITIES:

Committee Service:

- 1993-present Research Advisory Committee Member, UCLA Robert Wood Johnson Clinical Scholars Program
- 1990-2015 Applicant Interviewer, UCLA Robert Wood Johnson Clinical Scholars Program
- 1998-2000 UCLA Medicine Committee on Academic Personnel (CAP)
- 2005 Chair, International Society of Quality of Life Research Annual Meeting (San Francisco, CA)
- 2012 Chair, UCLA GIM Faculty Search Committee
- 2013-2016 Chair, UCLA GIM Adjunct Faculty Appointment Committee
- 2013-2017 Member, UCLA GIM Faculty Search Committee
- 2017-present Technical Expert Panel Member, AHRQ Surveys on Patient Safety Culture
- 2019 Co-Chair, PROMIS® Health Organization (PHO) Annual Meeting.
- 2019 Chair, Martin Shapiro GIM Annual Health Services Research Symposium
- 2019-present UCLA Committee on Intercollegiate Athletics
- 2020 Reviewer, UCLA Graduate Division Graduate Summer Research Mentorship Program grant applications.

UCLA Fellows and Clinical Scholars Protocol Committees Member:

- 1990 David Shapiro “The contributions of co-authors to multi-authored scientific papers.”
- 1990 David Baker “Patients leaving the emergency department without medical evaluation: Impact on health and implications for health care access.”
- 1990 Barbara Vickrey (1990), “Quality of life before and after epilepsy surgery or evaluation for epilepsy surgery.”
- 1990 Dan Shugars (1990), “Development of a measure of dentists' job satisfaction.” UCLA School of Dentistry
- 1992 William Cunningham (1992), “Coping, social support, and access to care: Effects on quality of life for individuals with HIV infection.”
- 1992 Alison Moore (1992), “Screening for impairment in ambulatory elderly patients.”
- 1993 Mark Litwin (1993), “Quality of life in men with prostate cancer.”
- 1993 Eve A. Kerr (1993), “Utilization management in ambulatory care for prepaid patients: The role of physician groups.”
- 1994 Russell Beckley (1994), “Patient satisfaction among veterans.”
- 1999 Mitchell D. Wong (1999), “Patient preferences and perceptions of barriers to care.”
- 1999 Shinji Matsumura (1999), “Understanding Japanese patients’ assessments of primary care physicians: Comparative study between Japan and the US.” (social science mentor)
- 1999 Susannah Rowe, (1999), “Assessing outcomes of school vision screening”

- 1999 Neil Paige, (1999), “Studying the use of Sildenafil (Viagra).” (social science mentor)
- 1999 Catherine A. Sarkisian, (1999), “Perceptions of successful aging among older adults and their physicians.” (social science mentor).
- 1999 Andriette Ward (1999), “Who’s getting 5-a-day? Predictors of fruit and vegetable consumption among a nationally representative sample of adolescents.”
- 2000 Josh Chodosh (2000), “Missing the diagnosis of cognitive impairment: Understanding barriers and the impact of health services utilization.” (social science mentor)
- 2000 Kenley Chin (2000), “Study of radiographic and health status measures of quality of care and outcomes for adults with rhinosinusitis.” (social science mentor)
- 2000 Ruth Hertzmann-Miller (2000), “The role of values in medical decision-making.”
- 2002-2005 John T. Chang (2002-2005), “Assessing the quality of medical care in vulnerable elders using a patient interview.”
- 2003-2006 Debra Lotstein (2003-2006),”Transitions in medical care from adolescents to young adulthood in children with special medical care needs.”
- 2003-2009 Brad Zebrack (2003-2009),”Quality of life assessment in childhood cancer survivors,” NIH/NCI K07 Career Development Award.
- 2004-2005 Takahiro Higashi (2004-2005), Visiting scholar program guidance committee member.
- 2005-2007 Lori Shiotani (2005-2007) “Internal medicine physicians working part-time: Trends, associations and implications.”
- 2018-2023 Rie-Sakai-Bizmark (2018-2023), “Newborn screening for critical congenital heart disease in U.S. assessment of implementation obstacles and application of cost-effectiveness to gauge if action needed for improve implementation.” Mentor, K Award.

Dissertation Committee

- 1989 Ming-Pay Liu, “Predictors of dropout of mental health treatment among Asians and Whites” CSPP-Los Angeles
- 1989 Joe Revetto, “A comparison of indirect versus direct self-report screening instruments for alcohol disorder.” CSPP-Los Angeles (chairman)
- 1989 Pat Breit, “Effect of assertion training on internal focus of control and life satisfaction of older community residents.” CSPP-Los Angeles (chairman)
- 1991 Lisa Firestone, “Reliability and validity of the Firestone Voice Scale for Self-Destructive Behavior.” CSPP-Los Angeles (chairman)
- 1991 Laura Mansouri-Meinert, “The effects of patient recording of chiropractic recommendations on recall and adherence to treatment recommendations.” CSPP-Los Angeles (chairman)
- 1996 Jeffrey A. Johnson, “A comparison of patient satisfaction with mail and traditional pharmacy services.” University of Arizona, Department of Pharmacy Practice
- 1997 Mary Bugbee, “Quality of life in transplant patients.” CSPP-Los Angeles (chairman)

- 1999 Nicolette C. M. Theunissen, “Health related quality of life in children.” University of Leiden
- 2000 Leo Sergio Morales, “Assessing patient experiences with healthcare in multi-cultural settings.” RAND Graduate School (chairman)
- 2000 Eric Gordon Bing, “Psychiatric disorder, drug use, drug dependence and health-related quality of life among people living with HIV disease.” UCLA Department of Epidemiology (Doctor of Philosophy in Epidemiology)
- 2001 Aram Dobalian, “Advance directives and resource use in nursing homes.” UCLA Department of Public Health (Doctor of Philosophy)
- 2002 Arash Naeim, “Healthcare cost-effectiveness analysis for older patients: Using cataract surgery and breast cancer treatment data.” RAND Graduate School
- 2004 An-Fu Hsiao, “Development of a measure of a practitioner’s orientation toward integrative medicine.”
- 2004 Jo-Ann Eastwood, “Psychosocial factors and health-related quality of life among patients diagnosed with coronary heart disease.”
- 2005 Derjung Mimi Tarni, “Do doctors communicate the right information when initiating prescription medications?” (chairman)
- 2005 Sepi Farivar Varon, “Interpreting health-related quality of life measures – Summary scores and the minimally important difference.” (chairman)
- 2006 Shana Traina, “Influence of social networks and pain on depression in newly diagnosed rheumatoid arthritis (RA) patients.” (chairman)
- 2006 John Tekuang Chang, “Preventing falls and assessing the quality of care for falls in older adults.”
- 2007 Jeanne Black, “Comparing the population health status of Latinos and non-Latino whites: Do standard self-report measures have cross-cultural validity?”
- 2007 Richard D. Hector, “The evaluation and health state valuation of the Quality of Well-Being Scale in Trinidad and Tobago, West Indies.”
- 2008 Tiffany Quock, “Cost-Effectiveness Analysis of Pharmacotherapy and Deep Brain Stimulation in Neurodegenerative Parkinson’s Disease.” (chairman)
- 2008 Kelly Chong, “Psychometric analysis and evaluation of Iowa Medicaid enrollees’ experiences with health care using CAHPS 4.0 health plan survey.” (chairman)
- 2009 Warunee Punpanich, “Development of a culturally appropriate health-related quality of life measure for HIV-infected children in Thailand.”
- 2009 Gregory Maglinte, “Generic Health-Related Quality of Life Measures in the National Health Measurement Study: Comparing Different Preference-Based Scores and Deriving U.S. General Population Norms for the SF-36v2.” (chairman)
- 2010 Anthony W. McGuire, “Health outcomes in cardiac patients after depression screening by nurses.”
- 2010 Anne M. Walling, “Quality of End of Life Care in the Hospital”

- 2010 Sylvia H. Paz, “Development and evaluation of patient-reported outcome measures for use in a diverse society.” (chairman)
- 2011 Susan A. McCloskey, “Development and validation of anatomic site specific patient reported symptom sets to assess radiation therapy induced treatment toxicities.”
- 2012 Sarah Linsley Starks, “Cost and effectiveness of full service partnerships: Assertive community treatment of severe mental illness following the California Mental Health Services Act.”
- 2012 Allice P. Villatoro, “Mental illness careers of racial-ethnic minorities in the United States: The case of perceived need for mental health care.”
- 2013 Srinivasu Ammisetty Sunkara, “Comparative effectiveness studies.”
- 2013 Erin E. Hahn, “Cancer survivors and survivorship care. “
- 2016 Mohir Ahmedov, “Are worse perceptions of care for Asians due to lower quality of care or differences in response tendencies?” (chair of committee)
- 2016 Lilia Meltzer “Trust in the medical profession and health-related quality of life in patients with hypertension” (chair of committee)
- 2016 Geoffrey Jonathan Hoffman, “Predictors and outcomes of falls of persons 65 and older in the United States.“
- 2017 John Devin Peipert, “A psychometric analysis of patient-reported outcomes in chronic kidney disease.”
- 2018 Alina Ionela Palimaru, “Assessing health-related quality of life and subjective well-being in adults with spinal cord injury” (chairman)
- 2019 Christopher Childers, “Understanding variation of intraoperative disposable costs.”
- 2019 Yan Wang, “Probably approximately correct learnable fuzzy system.”
- 2020 Paula Belson,
- 2020 Michelle Gaura, “”

Master Thesis Committees:

- 1995 Saud Abdulaziz Alabdulmohsin, “Arabic cross-cultural adaptation and translation of the RAND 36-Item Health Survey 1.0 (SF-36).” University of Arizona, Department of Pharmacy Practice
- 1995 Jing Yu, “The reliability of the U.S. Chinese American test version of the SF-36 health survey.” University of Arizona, Department of Pharmacy Practice
- 1999 Shonda Anita Foster, “Comparison of the Nottingham Health Profile, Health Utilities Index, and Osteoporosis Assessment Questionnaire in established postmenopausal osteoporosis.” University of Arizona, Department of Pharmacy Practice
- 2004 Fasiha Kanwal, “Are physician derived disease severity indices associated with health-related quality of life in patients with end-stage liver disease?” UCLA Department of Public Health

Advisory/Mentoring positions outside of Institution

- 1992-1994 Co-preceptor and Advisory Committee Member, Health-Related Quality of Life Pre and Post Doctoral Research Training Program Advisory Committee, National Center for Nursing Research (G. Padilla and K. Dracup, PIs)
- 2001 John A. Hartford Foundation/AFAR & Lillian R. Gleitsman Medical Student Geriatrics Scholar Program Mentor (2001), Jennifer Alzos, "Interactions Among Health Care Providers Randomized to a Hospitalist Intervention."
- 2001-2002 Community Advisory Board Member, DAART Project, County of Los Angeles Department of Health Services
- 2004-2009 Research Advisor, Rachel Hess, "Does menopause matter?" NIA K23-AG024254-01
- 2006-2009 Research Advisor, Steven Barnett, "Deaf people and health care: A study using a linguistically appropriate survey."
- 2009-2011 Speaker, Medical Career Conference, UC Riverside (May 9, 2009 and October 22, 2011)
- SP/SU 2011 Research Advisor, Zhang Yanhong, visiting doctoral student from China Academy of Chinese Medical Science (2011, Spring/Summer)
- 2012 Research Mentor, José Luis Calderón, Dr. M. Alfred Haynes Research Training Institute for Social Equity, May 23-25, 2012.

Community Service:

- 2016-2020 Nextdoor Normandale Lead <https://normandale.nextdoor.com/>
- 2017 Speaker, Career Exploration Conference in Health & Medicine, University of California, Riverside, October 28.

Consulting:

- 2011-2020 Amgen, FDA, Allergan

Teaching

- 1988-2008 & 2011 HS249F, UCLA Department of Health Services, Quality of Care (Instructor)
- 1999-2003 UCLA RWJ Clinical Scholars Course, Theory and Health Services Research (summer quarters) (Instructor)
- 2001-present HPM 214, UCLA Department of Health Services, Measurement of Effectiveness and Outcomes in Health Care (Instructor)
- 2002-2015 UCLA GCRC Summer Course, Health-Related Quality of Life Assessment in Outcome Studies (Instructor)

- 2004-present HS265, UCLA Department of Health Services, Challenges in Clinical Health Services Research (winter quarter, guest lecture) (Instructor)
- 2004-2011 UCLA K30 Course, Comprehensive Assessment of Health Outcomes (Instructor)
- 2006 HS411, UCLA Department of Community Health Sciences, Issues in Cancer Prevention and Control (fall quarter, guest lecture) (Instructor)
- 2012-2019 HPM 216, UCLA Department of Health Services, Quality Assessment: Making the Business Case for Quality (winter quarter, guest lecture) (Instructor)
- 2015-2019 UCLA Center for East-West Medicine, Faculty Training Program, “Patient-Reported Outcomes” (guest lecturer)

Teaching outside Institution

- 1989 Loyola-Marymount, Psychological Assessment and Testing (Instructor_

Mentoring

- 1998-2001 Research Member, Beeson Grant, Alison Moore, “Alcohol use among the elderly”
- 2002-2007 Research Advisor, Marie N. Fongwa (2002-2007). “Evaluating the psychometric equivalence of health care reports and ratings by older whites and African Americans.” UCLA RCMAR Center

Editorial Services

Editorial Board

- 1987-1989 Editorial Board, Journal of Compliance in Health Care
- 1989-1991 Editorial Board, National Collegiate Software of Duke University Press
- 1991-2001 Associate Editor, Quality of Life Research
- 1992 Field Editor, Journal of Studies on Alcohol
- 1997-2002 Deputy Editor, Medical Care
- 2002-2009 Editorial Advisory Board, Clinical Therapeutics
- 2005-2009 Editor-in-Chief, Quality of Life Research
- 2010-2021 International Advisory Board, Quality of Life Research
<http://www.springer.com/medicine/journal/11136?detailsPage=editorialBoard>
- 2012-2016 Editorial Board, Primary Health Care: Open Access
- 2011-2021 Special Methodology Panel, Journal of General Internal Medicine
- 2013-2017 Editorial Board, Health <http://www.scirp.org/journal/health/>
- 2016-2021 Editorial Board, Applied Research in Quality of Life
- 2020-2022 Co-Editor-in-Chief, Journal of Patient-reported Outcomes

AdHoc Reviewer (list from 1999-present in Alphabetical Order)

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|--|--|
| Addiction (2004), | African Safety Promotion Journal (2013), |
| AIDS and Behavior (2001), | AIMS Public Health, Alimentary Pharmacology & Therapeutics (2000, 2008), |
| American Journal of Kidney Disease (2006, 2011, 2019), | American Journal of Managed Care (2015-2016), |

American Journal of Medicine (2004-2005),
 American Journal of Public Health (2018),
 Annals of Internal Medicine (2000-2001, 2004-2006),
 Archives of Physical Medicine and Rehabilitation (2013),
 Assessment (2011, 2016),
 Behaviour Research and Therapy (1999),
 Cancer (2014),
 Clinical Infectious Diseases (2000),
 Clinical Therapeutics (2000-2002, 2014),
 Dove Medical Press (2015),
 Expert Review of Pharmacoeconomics & Outcomes Research (2017-2018)
 Field Methods (2011, 2017),
 Healthcare (2015),
 Health and Quality of Life Outcomes (2004-2015, 2017, 2019),
 Health Services and Outcomes Research Methodology (2002),
 Hemodialysis International (2011),
 International Journal for Equity in Health (2009, 2012),
 International Journal of Methods in Psychiatric Research (2018)
 Investigative Ophthalmology and Visual Science (2014-2018),
 Joint Commission Journal on Quality and Patient Safety (2007-2010, 2013),
 American Journal of Preventive Medicine (2006),
 Annals of Behavioral Medicine (2001),
 Applied Health Economic and Health Policy (2015),
 Applied Research in Quality of Life (2016-2019),
 Arthritis (2013),
 Australian and New England Journal of Public Health (2012),
 BMC Medical Research Methodology (2015, 2017),
 British Journal of Clinical Psychology (2018),
 Clinical Gastroenterology and Hepatology (2016),
 Clinical Research and Regulatory Affairs (2015),
 COPD: Journal of Chronic Obstructive Pulmonary Disease (2019),
 Current Medical Research and Opinion (2004),
 Drug and Alcohol Dependence (2016),
 Epilepsia (2013-2014)
 Evaluation and the Health Professions (2004-2005, 2010),
 General Hospital Psychiatry (2010),
 Health Education Research (2005),
 Health Psychology (2000),
 Health Services Research (1999-2011, 2013, 2016)
 HIV Clinical Trials (2001-2005),
 International Journal of Occupational Medicine and Environmental Health (2015),
 JAMA Ophthalmology (2017-2018),
 Journal of the American Geriatrics Society (2001),

Journal of the American Medical Association (1999-2001, 2004-2005, 2012),

Journal of the American Society of Nephrology (2016, 2018)

Journal of Applied Biobehavioral Research (2013),

Journal of Clinical Epidemiology (2011, 2015, 2018),

Journal of Comparative Effectiveness Research (2014, 2018),

Journal of General Internal Medicine (2001-2006, 2012),

Journal of Health Care for the Poor and Underserved (2002),

Journal of Official Statistics (2016),

Journal of Pain and Symptom Management (2015),

Journal of Psychosomatic Research (2001, 2011),

Kidney International (2000, 2011),

Lancet Global Health (2018)

Medical Care (1999-2004, 2009-2011, 2014, 2016, 2018),

Medical Decision Making (2001, 2018),

Nephrology (2012),

New England Journal of Medicine (2019),

Nicotine & Tobacco Research (2009),

Pediatrics (2002, 2018),

Pharmacoeconomics and Outcomes Research (2002),

Psychology and Aging (2000),

Psychological Medicine (2013, 2015),

Psychosomatics (2013),

Rheumatology (2011),

Social Science and Medicine (2001),

Journal of Aging and Health (2011),

Journal of Behavioral Medicine (2000),

Journal of Clinical Oncology (2002),

Journal of Diabetes Research (2016),

Journal of Graduate Medical Education (2013),

Journal of Medical Economics (2020)

Journal of Medical Systems (2009),

Journal of Oncology Practice (2015),

Journal of Patient-Reported Outcomes (2017-2019),

Journal of Rehabilitation Medicine (2019)

Journal of Rehabilitation Research and Development (2002),

Lancet (2011, 2015),

Medical Care Research and Review (2016),

Multiple Sclerosis Journal (2009, 2018),

Neurorehabilitation and Neural Repair (2007, 2009),

Ophthalmology (2002, 2004),

Pharmacoeconomics (2015, 2017),

PLoS ONE (2011, 2013),

Psychological Assessment (2000, 2002, 2009, 2014),

Psychological Reports (1999, 2002-2004),

Quality of Life Research (1999-2005, 2009-2019),

Social and Preventive Medicine (2001),

Spine (2018),

Value in Health (2012, 2017, 2019),
 Western Journal of Nursing Research (2015),
 The Patient (2013-2015),
 Western Journal of Medicine (2002),

PROFESSIONAL ASSOCIATIONS AND SCHOLARLY SOCIETIES

1982-1983 Reviewer, Representative Research In Social Psychology
 1983-1984 Associate Editor, Representative Research in Social Psychology
 1990-1993 Reviewer, Agency for Health Care Policy Small Grants
 1991-1993 Reviewer, Department of Veterans Affairs Small Grants
 1992-present International Society for Quality of Life Research Member
 Abstract reviewer 8, 9, and 10th Annual meetings, 2001-2003
 Meeting Chair-2005
 1993 Reviewer, Foundation for Chiropractic Education and Research Grants
 1994-present Association for Health Services Research/Academy Health, Member
 1998 Reviewer, Aetna Health Quality of Care Research Grants
 2001-2002 Reviewer, UCLA AIDS Institute Seed Grants
 2003 National Institute of Child Health and Human Development Special Emphasis
 Panel, “Dynamic Health Assessments for Medical Rehabilitation Outcome” (July-
 August)
 2004 Reviewer, Stein-Oppenheimer proposal, UCLA
 2004 (June) National Cancer Institute, Scientific Planning Committee, Improving the
 Measurement of Health Outcomes through the Applications of Item Response
 Theory (IRT) Modeling: Exploration of Item Banks and Computer-Adaptive
 Assessment”
 2005-2008 Medicare Health Outcomes Survey Technical Expert Panel Member
 2005-2009 Data and Safety Monitoring Committee, Convergence Insufficiency Treatment
 Trial, National Eye Institute
 2006 (June 9) Reviewer, National Institutes of Health Biostatistical Methods and Research
 Design Study Section
 2006-2007 COnsensus-based Standards for the selection of health Measurement Instruments
 (COSMIN) Panel member
 2006-2007 Agency for Healthcare Research and Quality Hospital Survey on Patient Safety
 Culture Database Expert Panel
 2007-2009 NCI Division of Cancer Control and Populatio Sciences Part-time Detailee
 2007 Medicare Health Outcomes Survey Blue Ribbon Panel
 2010 Society for General Internal Medicine (previously; 1995-97& 2002-2006)

2015-2020 Agency for Healthcare Research and Quality Hospital Survey on Patient Safety Culture Advisory Committee

HONORS AND SPECIAL AWARDS:

1979 Phi Beta Kappa, Iota Chapter of California
1979-1980 National Dean's List
1980 National Science Foundation Honorable Mention in Graduate Fellowship Competition
1987-1988 Who's Who In California
1989 Outstanding Young Alumnus, University of California, Riverside
1993 President's Award, RAND
2007 Merit Bonus Award, RAND
2009 President's Award, International Society for Quality of Life Research
2013 Research Thesis Appreciation Award (nomination at UCLA School of Public Health PHSA banquet)
2015 RAND Medal Award for CAHPS Project
2015-2019 Web of Science: Clarivate Analytics (Thomson Reuters) highly cited researcher
2018-present Honorary Member Status, International Society for Quality of Life Research

RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:

1. PI, "Patient Adherence among Chronic Disease Patients," AHCPR (June, 1990—June, 1991; \$179,427 direct costs) 1 R01 HS06171-01)
2. PI, "Microcomputer Assessment of Alcohol Use," NIAAA (July, 1990 - July, 1993; \$757,911 total costs)
3. Co-PI, "Physical Activity/Exercise in Relation to Functioning and Well Being for Patients with Chronic Medical Conditions and/or Depression: A Medical Outcomes Study Analysis," The Henry J. Kaiser Family Foundation (July, 1990—July, 1991; \$40,296 total costs)
4. Co-PI, "A Study of Chiropractic Recommendations and Patient Behavior," Foundation for Chiropractic Education and Research (April, 1992—April, 1992; \$76,523 total costs)
5. Co-PI, "Patterns and Problems of Alcohol Use among Adolescents," National Institute on Alcohol Abuse and Alcoholism (January, 1993 - December, 1995; \$657,964 total costs)
6. PI, "Quality of Life of ESRD Patients," Subcontract from University of Arizona (September, 1993 - November, 1993; \$62,782 total costs)
7. PI, "ESRD Health-Related Quality of Life Instrument Development," Amgen (December, 1993 - June, 1995; \$130,000 total costs)
8. PI, "Patient Satisfaction with Managed Care Plans," Unified Medical Quality Commission (July, 1994- June, 1995; \$328,191 total costs)
9. Co-PI, "Young Adult Drinking and Use of Health Services," National Institute on Alcohol Abuse and Alcoholism (November, 1994 - October, 1997; \$986,372 total costs)

10. PI, "Consumer Assessment of Health Plans Study," Agency for Healthcare Research and Policy, U18 HS09204 (October, 1995 - April, 2002, \$6,217,892, total costs)
11. PI, "Review of Measures of Health-Related Quality of Life for Persons with Stroke," Pfizer (July, 1996 - December, 1996, \$150,000 total costs)
12. Co-PI, "Review of Measures of Health-Related Quality of Life for Persons with Anxiety," Pfizer (July, 1996 - December, 1996, \$150,000 total costs)
13. Co-PI, "A Chiropractic Survey Kit for Consumer Assessment of Health Plans Study," NCMIC (July, 1996-June, 1997, \$298,858, total costs)
14. PI, "Kidney Disease Quality of Life Research Project," Amgen (September, 1996-July, 1997; \$50,154 total costs)
15. PI, "Analysis of Physician Value Check Survey, 1996 Baseline," The Medical Quality Commission (February, 1997 - July, 1997, \$ 33,720, total costs)
16. PI, "Development of a Refractive Error Correction Questionnaire," National Eye Institute (June, 1997-December, 1999; \$79, 867 total costs)
17. PI, "Development of an Instrument to Assess Health-Related Quality of Life among Persons with Hepatitis C," Amgen (March, 1998-March, 1999; \$81,589 total costs)
18. PI, "Analysis of Physician Value Check Survey, 1998 Follow-up," Pacific Business Group on Health (January, 1999-June, 2000; \$100,000 total costs)
19. PI, "Development of a Standardized Consumer Assessment of Physician Group Survey Instrument," California Healthcare Foundation (June, 1999-June, 2000; \$624,022 total costs)
20. PI, "Development of a Standardized Consumer Assessment of Physician Group Survey Instrument," California Healthcare Foundation (July, 1999-March, 2001)
21. PI, "Automating the Kidney Disease Quality of Life (KDQOL) Instrument in Clinical Practice," Amgen (September, 1999-June, 1999; \$22,800 total costs)
22. PI, "Adherence to HAART among Incarcerated Substance Users" subcontract (A. Kaplan, UNC, PI), National Institute of Health Grant Number R01 DA13826-01 (September, 2000-August, 2004, \$529,618 subcontract direct costs)
23. PI, "UCLA Center for AIDS Research (CFAR) Adherence to HIV Medication Core," (I. Chen, PI), National Institute of Health, AI 28697 (June, 2001-June, 2003, \$110,554, total costs for 2002-2003)
24. PI, "Analyses of MOS Sleep Measures in Fibromyalgia and PHN Clinical Trials, Medical Outcomes Study, and Harris Poll Study," Pfizer (August, 2001- May, 2002, \$48,036 total costs)
25. PI, "CAHPS II," Agency for Healthcare Research and Quality, U18 HS13191 (June, 2002 - May, 2007, \$7,000,000, total costs)
26. PI, "Cultural Competency Assessment Tool for Hospitals: An Application of CLAS Standards," Office of Minority Health, #282-00-0005 (September, 2002-September, 2005, \$299,694, total costs)

27. PI, subcontract, "Mode and Language Evaluation of Generic Measures," NIH, (April, 2004 - March, 2008, \$1,138,560, total costs)
28. PI, subcontract, "NIH PROMIS Statistical Coordinating Center," NIH, (September, 2004 - October, 2009, \$800,581, total costs)
29. PI, "CAHPS III," Agency for Healthcare Research and Quality, U18 HS016980 (August, 2007 - July, 2012, \$7,325,280, total costs)
30. PI, subcontract, "NIH PROMIS Statistical Coordinating Center," NIH, (October, 2009- July 13, 2013, \$456,681, total costs)
31. 2P30AG021684-14/ Mangione NIH/NIA The Center for Health Improvement of Minority Elderly (July 01, 2012-June 30, 2017) \$15,805/ total direct cost
32. CAHPS (RAND) Centers for Medicaid & Medicaid Services (CMS) Outpatient Surgery Department/Center Experience of Care Survey (July 15, 2012-January 15, 2014)
Role: UCLA Subcontract PI \$17,571/total direct cost
33. 2P20MD000182-14/ Martins NIMHD (September 01, 2012-May 31, 2017) \$10,265/ total direct cost
34. PI, "CAHPS IV," Agency for Healthcare Research and Quality, U18 HS016980 (September, 2012 – August, 2017, \$1,500,000, total costs)
35. Westat Inc. / 6049.03 - S01 NIH/NATIONAL INST OF CHILD HEALTH AND HUMAN DEVELOPMENT Scientific and Coordinating Committee for Health Measurement (SCCHM) (July 01, 2013 -09/26/14) \$184,225/ total direct
Prime award: HHSN275201200005I /Role: UCLA Subcontract PI
36. 9920140048/ Coulter (RAND) NIH RAND Center Of Excellence For The Study Of Appropriateness Of Care In CAM (07/01/13-12/31/17) \$452,370/total direct cost
Role: UCLA Subcontract PI
37. U01DE022648 / Liu NIDCR/Patient-Reported Oral Health (September 25, 2013-May 31/2017) \$24,080/ total direct cost, Role: Co-investigator
38. ME-1303-5845 / Reuben PCORI (December 1, 2013-December 31, 2017) \$27,640/ total direct cost Role: Co-Investigator
39. U54 MD009508 / Norris, KC/Davidson NIH/NIMHD (September 26, 2014-June 30, 2019) \$12,957/ total direct cost Role: Co-Investigator
40. 9920140170 / Hays DHHS/CMMS National Implementation of Medicare Advantage and Prescription Drug Plan CAHPS (September 30, 2014–September 29, 2017) \$278,835/ total direct cost, Role: Psychometric Core Director (PI of subcontract)
41. 9920150142/ Price and Brown, DHHS/CMMS LRFQ #150924 "Implementation of the CAHPS Surveys for the Medicare Shared Savings Program, Physician Quality Reporting System and Other Physician Quality Programs" (July 15, 2015 – July 14, 2018 \$76,197/ total direct cost, Role: Co-Investigator
42. 20170296/ American Academy of Ophthalmology, (September 1, 2016-August 31, 2018) \$713,743 Role: PI
43. U2CCA186878/ Cella NIH/NCI The National Person-Centered Assessment Resource (PCAR) (September 1, 2014-August 31, 2018) \$303,595 total direct cost

LECTURES AND PRESENTATIONS (selective list):

Course lectures:

1. **Hays, R. D.** (2000, March). Race/ethnicity differences in reports and ratings of health care. UCLA Health Psychology Class, Guest lecture, Los Angeles, CA.
2. **Hays, R. D.** (2001, May). Associations of race and ethnicity with reports and ratings of health care. Invited lecture, UCLA Health Services 265: Challenges in Clinical Health Services Research, Los Angeles, CA.
3. **Hays, R. D.** (2002, May). Finding and verifying item clusters in outcomes research using exploratory and confirmatory factor analyses. Invited lecture, UCLA Nursing School, N208 (Research in Nursing: Measurement of Outcomes). Los Angeles, CA.
4. **Hays, R. D.** (2003, May). Studying the doctor-patient relationship from the patient's eyes. Invited lecture, HS265, UCLA School of Public Health, Los Angeles, CA.
5. **Hays, R. D.** (2003, May). Finding and verifying item clusters in outcomes research using confirmatory and exploratory analyses. Invited lecture, N208, UCLA School of Nursing, Los Angeles, CA.
6. **Hays, R. D.** (2004, March). Patient reports and ratings of health care. Presented as invited lecture for UCLA Health Services 265. Los Angeles, CA.
7. **Hays, R. D.** (2005, February). Factor analysis. Invited lecture, UCLA Nursing School, N208 (Research in Nursing: Measurement of Outcomes). Los Angeles, CA.
8. **Hays, R. D.** (2012, April). Health-related quality of life as an indicator of quality of care. Guest lecture to UCLA HS216 (Quality assessment: Making the business case for quality). Santa Monica, CA.
9. **Hays, R. D.** Studying the doctor-patient relationship (HS265 guest lecture) May 3, 2012
10. **Hays, R. D.** (2012, November). Evaluating multi-item scales. Guest lecture to UCLA HS225A (Health Services Research Design). Los Angeles, CA.
11. Evaluating multi-item scales (HS225 a guest lectures) November 13, 2012
12. **Hays, R. D.** Psychometric evaluation of Multi-Item scales (RWJ clinical scholars questionnaire design and testing workshop guest lectures) February 6, 2013
13. **Hays, R. D.** Health Related Quality of Life Measures. Lecture to UCLA HLT POL 239B Advanced Topics Health-Related Quality of Life Measures. Advanced Topics in Decision Analysis and Cost-Effectiveness Analysis. Los Angeles, CA Feb. 21, 2013
14. **Hays, R. D.** Use of Preference-Based Health-Related Quality of Life Measures in Cost Effectiveness Studies. Lecture to UCLA HLT POL 239B--Advanced Topics in Decision Analysis and Cost Effectiveness Analysis. Los Angeles, CA, Feb. 26, 2013
15. Health Related Quality of Life Assessment as an Indicator of Quality of Care. Lecture to UCLA HPM216. Special Topic in Health Services: Quality Assessment and Assurance. April 11, 2013
16. **Hays, R. D.** (2013, May). Studying the doctor-patient relationship. Guest lecture to UCLA HS265 (Challenges in clinical health services research). Los Angeles, CA.

17. Primer on evaluating reliability and validity of multi-item scales (RWJ Clinical Scholars questionnaire design workshop guest lecture), October 25, 2013
18. Measuring health-related quality of life. (M218 guest lecture), November 6, 2013
19. Evaluating multi-item Scales (HPM225A guest lecture), November 15, 2013
20. Health-related quality of life as an indicator of quality of care (HPM216 guest lecture), May 2, 2014
21. Psychometric evaluation of survey data (RWJ Clinical Scholars questionnaire design and testing workshop guest lecture) October 24, 2014
22. Measuring health-related quality of life (M218 guest lecture), November 26, 2014
23. Evaluating multi-Item scales. (HPM225B guest lecture), January 26, 2014
24. Health-related quality of life as an indicator of quality of care (HPM216 guest lecture), April 10, 2015
25. Measuring health-related quality of life. (M218 guest lecture), May 13, 2016
26. Measuring health-related quality of life. (M218 guest lecture), November 16, 2015
27. Psychometric evaluation of survey data (RWJ Clinical Scholars questionnaire design workshop guest lecture), December 7, 2015
28. Evaluating multi-item Scales (HPM225B guest lecture). January 25, 2016
29. Patient-reported indicators of quality of care (HPM216 guest lecture), April 15, 2015
30. Psychometric evaluation of items (RWJ clinical scholars questionnaire design and testing workshop guest lecture), November 2, 2016
31. Psychometric evaluation of surveys (RWJ clinical scholars questionnaire design and testing workshop guest lecture), October 13, 2017

At Home Institution

1. **Hays, R. D.** (2000, April). Monitoring physician performance using member reports and ratings of care: Health plan and physician group surveys. UCLA Department of Medicine Clinical Management Concepts for the Primary Care Practice, Continuing Medical Education, Los Angeles, CA
2. **Hays, R. D.** (2001, June). HIV medication adherence and the CFAR adherence core. Invited presentation to the UCLA Fogarty Fellows, Los Angeles, CA.
3. **Hays, R. D.** (2001, December). Accommodation of the SF-36 physical functioning scale for persons with mobility impairments. Presented at the UCLA SGIM/HSR Research Seminar Series. Los Angeles, CA.
4. Papageorge, B. N., & **Hays, R. D.** (2002, October). Plans to develop a product to facilitate shared medical decision making. Presentation to UCLA Andersen School of Business. Los Angeles, CA.
5. **Hays, R. D.** (2002, November). Health-related quality of life assessment. Invited lecture, UCLA Center for East-West Medicine. Los Angeles, CA.

6. **Hays, R. D.** (2003, February). Similarities and differences between classical and item response theory. Presented at the UCLA SGIM/HSR Research Seminar Series. Los Angeles, CA.
32. **Hays, R. D.** (2003, July). Health-related quality of life assessment in outcome studies. Invited lecture, UCLA GCRC Course. Los Angeles, CA.
33. **Hays, R. D.** (2003, October). Measurement of health-related quality of life outcomes. Invited lecture, UCLA Graduate Training Program in Translational Investigation—K30 Clinical Research Workshop. Los Angeles, CA.
34. **Hays, R. D.** (2003, October). Psychometric analyses of survey to assess parental perceptions of their children's dental care in the California Healthy Families Program. Presented at the UCLA SGIM/HSR Research Seminar Series. Los Angeles, CA.
35. **Hays, R. D.** (2004, July). Health-related quality of life assessment in outcome studies. Invited lecture, UCLA GCRC Course, "Essentials in clinical research: Developing a research proposal," Los Angeles, CA.
36. **Hays, R. D.** (2004, December). Measuring health-related quality of life outcomes of East-West Medicine. Invited presentation at the 2004 UCLA Center for East-West Medicine Conference on improving quality of life through integrative East-West medicine. Los Angeles, CA.
37. **Hays, R. D.** (2005, July). Health-related quality of life assessment in outcome studies. Invited lecture, UCLA GCRC Course. Los Angeles, CA.
38. **Hays, R. D.** (2006, October). Assessing the Minimally Important Difference in Health-Related Quality of Life Scores. UCLA Health Psychology brown bag, Los Angeles, CA.
39. **Hays, R. D.** (2007, October). Cigarette smoking and health-related quality of life in Medicare beneficiaries. Presented at the UCLA SGIM/HSR Research Seminar Series. Los Angeles, CA.
40. **Hays R. D.** (2009, May). Introducing structural equation modeling (SEM) to novices using Keven Heslin's SF-36 data from opioid users. UCLA GIM/HSR Research Seminar Series. Los Angeles, CA.
41. **Hays, R. D.** (2011, November). Evaluating multi-item scales. Guest lecture to UCLA HSR225A. Los Angeles, CA.
42. **Hays, R. D.** (2011, November). Multi-item scale evaluation. Guest lecture to RWJ Clinical Scholar's questionnaire design and training workshop. Los Angeles, CA.
43. Hays, R. D. (2011, November). Health-related quality of life. Guest lecture to UCLA CTSI Training program in translational investigation. Los Angeles, CA.
44. Hays, R. D. (2012, January). Associations of cancer and other chronic health conditions with SF-6D preference-based scores among Medicare beneficiaries. UCLA General Internal Medicine & Health Services Research Seminar Series, Los Angeles, CA.
45. Hays, R. D. (2012, June). Evaluating multi-item scales: Using item-scale correlations and confirmatory factor analysis. UCLA RCMAR Methods seminar, Los Angeles, CA.

46. Hays, R. D., & Chen, A. Y. (2012, December). Differences in CAHPS reports and ratings of care provided to adults and children. Presentation at UCLA Division of General Internal Medicine & Health Services Research Seminar, Los Angeles, CA.
47. Hays, R. D. (2012, December). Patient-centered outcomes of health care. CTSI Training Module 2: Comparative effectiveness research. UCLA, Los Angeles, CA.
48. Hays, R. D. Internal and external validity and method of control. (Charles R. Drew University of Medicine and Science, MSRTP guest lecture) December 2012
49. A parsimonious patient-reported measure of care coordination. (UCLA GIM health services research seminar series) September 27, 2013
50. Patient-centered outcomes of care (UCLA CTSI training model 3C—Comparative Effectiveness Research) January 23, 2014
51. Patient-reported outcomes of care (Presentation to visiting scholars from China Academy of Chinese Medical Sciences at UCLA Center For East-West Medicine), April 16, 2014
52. Review of patient safety culture survey measures completed by healthcare providers (UCLA C-MORE lecture series) October 21, 2014
53. Change in health-related quality of life from LASIK surgery (UCLA GIM/HSR Noon seminar), October 24, 2014
54. Online Panels for Data Collection (UCLA RCMAR/EXPORT Methodological Seminar Series), December 15, 2014
55. Patient-Centered Outcomes of Health Care. (UCLA CTSI Comparative Effectiveness Research), February 3, 2015
56. Using SAS PROC IRT to estimate item response theory parameters (UCLA/CDU RCMAR/CHIME & Project EXPORT Methodological Seminar Series), July 20, 2015
57. Can patients be satisfied to death? What was Joshua J. Fenton thinking? (UCLA C-MORE lecture series), July 21, 2015
58. Are the 6 physical functioning items in the CAHPS Medicare Survey informative? (UCLA GIM-HSR seminar) March 18, 2016
59. Does it matter how the Minnesota Living with Heart Failure Questionnaire is scored? (UCLA C-MORE seminar series), July 19, 2016
60. Differential item functioning between English- and Spanish-language on the Patient-reported outcomes measurement information system (PROMIS) physical functioning items for children and adolescents (UCLA GIM health services research seminar series), November 4, 2016
61. Patient experience of care surveys. (Grand rounds, Ronald Reagan UCLA Medical Center), February 15, 2017
62. Software to estimate item response theory models (UCLA/CDU RCMAR/CHIME & Project EXPORT Methodological Seminar Series), September 18, 2017

Outside of Institution

1. **Hays, R.**, Widaman, K.F., DiMatteo, M.R., & Stacy, A. (1984, April). Structural equation models of current drug use: Are appropriate models so simple(x)? Paper presented at the meeting of the Rocky Mountain Psychological Association, Las Vegas, NV.
2. **Hays, R.**, Stacy, A., Widaman, K.F., & Downey, R. (1984, April). Multistage path models of adolescent alcohol and drug use: A reanalysis. Paper presented at the meeting of the Rocky Mountain Psychological Association, Las Vegas, NV. (ERIC Document Reproduction)
3. **Hays, R.**, Stacy, A.W., DiMatteo, M.R., & Downey, R. (1984, June). A social-psychological analysis of adolescent alcohol use. Paper presented at the meeting of the University of California Intercampus Health Psychology Group, Lake Arrowhead, CA.
4. **Hays, R.**, & DiMatteo, M.R. (1985, April). Reliability, validity, and dimensionality of the UCLA Loneliness Scale. Paper presented at the meeting of the Western Psychological Association, San Jose, CA. (ERIC Document Reproduction Service No. ED 264 253, Resources In Education, 1986, April)
5. **Hays, R.**, Widaman, K.F., & DiMatteo, M.R. (1985, August). Comparison of the simplex and common factor drug use models. Paper presented at the meeting of the American Psychological Association, Los Angeles, CA.
6. **Hays, R.**, & Stewart, A. (1986, May). Measures of sleep for the National Study of Medical Care Outcomes. Paper presented at the meeting of the Western Psychological Association, Seattle, WA.
7. **Hays, R. D.**, & Huba, G. J. (1986, August). Drug use measurement debate: Are quantitative response options necessarily better? Paper presented at the meeting of the American Psychological Association, Washington, DC.
8. Stewart, A.L., **Hays, R. D.**, Greenfield, S. R., Wells, K. B., & Ware, J. E. (1986, August). Health profiles among patients with chronic disease. Paper presented at the meeting of the American Psychological Association, Washington, DC.
9. **Hays, R. D.**, & Ware, J. E. (1987, March). Patient satisfaction and compliance. Paper presented at the meeting of the California Medical Association, Anaheim, CA.
10. **Hays, R. D.**, Hayashi, T., & Stewart, A. L. (1987, April). A short-form measure of socially desirable response set. Paper presented at the meeting of the Western Psychological Association, Long Beach, CA.
11. Hayashi, T., & **Hays, R. D.** (1987, April). A microcomputer program for analysis of multitrait-multimethod matrices using the Campbell and Fiske (1959) criteria. In **R. D. Hays** (Chair), Old and new strategies for analyzing multitrait-multimethod matrices. Symposium conducted at the meeting of the Western Psychological Association, Long Beach, CA.
12. **Hays, R. D.**, Hayashi, T., & Ware, J. E. (1987, April). Multitrait-multimethod analyses of patient satisfaction measures. In **R. D. Hays** (Chair), Old and new strategies for analyzing multitrait-multimethod matrices. Symposium conducted at the meeting of the Western Psychological Association, Long Beach, CA.

13. **Hays, R. D.**, & Ellickson, P. L. (1987, April). Explanatory models of adolescent drug use. In P. L. Ellickson (Chair), Issues in drug prevention research. Symposium conducted at the meeting of the Western Psychological Association, Long Beach, CA.
14. Wells, K. B., Burnam, M. A., Daniels, M., Stewart, A., **Hays, R. D.**, & Ware, J. E. (1987, May). Depressed patients in three health care systems. Paper presented at the meeting of the American Psychiatric Association, Chicago, IL.
15. Nelson, E. C., Kirk, J., Keller, A., Wasson, J., & **Hays, R.** (1987, May). Measuring function in the office: Can it be practical and valid? Paper presented at the meeting of the North American Primary Care Research Group, Minneapolis, MN.
16. **Hays, R. D.** (1987, August). Effects of response format on physician response patterns. Paper presented at the meeting of the American Psychological Association, New York, NY.
17. **Hays, R. D.** (1987, October). Patient satisfaction with medical care. Paper presented at the meeting of the American Public Health Association, New Orleans, LA.
18. Gritz, E. R., DiMatteo, M. R., & **Hays, R. D.** (1988, January). Methodological issues in adherence to cancer control regimens. Paper presented at the Third International Conference on Prevention of Human Cancer: Chemoprevention, Tucson, AZ.
19. Ware, J. E., McGlynn, E. A., **Hays, R. D.**, & Greenfield, S. (1988, June). Patient ratings of quality and the process of care. Paper presented at the meeting of the American Health Services Research Association, San Francisco, CA.
20. Ellickson, P. L., & **Hays, R. D.** (1989, February). Pathways to drug use: Cognitive and social influence predictors. Invited Colloquium, USC Institute for Health Promotion and Disease Prevention Research, Pasadena, CA.
21. **Hays, R. D.**, & Revetto, J. (1989, March). Unresolved issues in MMPI-Derived Alcoholism Scale Research. Paper presented at the 24th Annual Symposium on Recent Developments in the Use of the MMPI/MMPI-2, Honolulu, HI.
22. **Hays, R. D.**, & Revetto, J. (1989, May). Peer cluster theory and adolescent drug use: A reanalysis. Paper presented at the Iowa Conference on Personal Relationships, Iowa City, IA.
23. Sherbourne, C., & **Hays, R. D.** (1989, May). Social support as a mediator of the beneficial effects of marital status on health. Paper presented at the Iowa Conference on Personal Relationships, Iowa City, IA.
24. Gritz, E. R., DiMatteo, M. R., & **Hays, R. D.** (1989, August). The application of a patient-provider interaction model of adherence to cancer control interventions. Paper presented at the meeting of the American Psychological Association, New Orleans, LA.
25. **Hays, R. D.**, Wasson, J. H., & Nelson, E. (1989, October). Measuring the health of older patients: Use of the COOP Charts. In K. N. Lohr (Chair), Health status measurement in the elderly. Paper presented at the meeting of the American Public Health Association, Chicago, IL.
26. **Hays, R. D.**, & Ellickson, P. L. (1989, November). Longitudinal scalogram analysis: A methodology and microcomputer program for Guttman scale analysis of

- longitudinal data. In **R. D. Hays** (Chair), Coding and analysis of data. Paper presented at the meeting of the Society for Computers in Psychology, Atlanta, GA.
27. **Hays, R. D.**, & Hayashi, T. (1989, November). Beyond internal consistency reliability: Rationale and User's Guide for Multitrait Scaling Analysis Program on the Microcomputer. In **R. D. Hays** (Chair), Coding and analysis of data. Paper presented at the meeting of the Society for Computers in Psychology, Atlanta, GA.
 28. **Hays, R. D.** (1990, April). Quality of life in chronic illness. Paper presented at the meeting of the Society of Behavioral Medicine, Chicago, IL.
 29. Revetto, J., & **Hays, R. D.** (1990, April). An eight-item MMPI-derived alcoholism scale: The MMPI-8. Paper presented at the meeting of the Western Psychological Association, Los Angeles, CA.
 30. Burnam, M. A., Wells, K. B., & **Hays, R. D.** (1990, August). Depressive symptoms and disorder in general medical and mental health outpatient practices. Paper presented at the meeting of the American Psychological Association, Boston, MA.
 31. **Hays, R. D.**, Sherbourne, C.D., & Stewart, A.L. (1990, November). Measuring functional status and well-being: The Medical Outcomes Study approach. Symposium presented at the 1990 Annual Meetings of the Gerontological Society Association, Boston, MA.
 32. Vickrey, B. G., **Hays, R. D.**, Graber, J., Rausch, R., Engel, J., & Brook, R. H. (1990, November). Associations between seizure occurrence and health-related quality of life in an epilepsy surgery population. Paper presented at the meeting of the American Epilepsy Society, San Diego, CA.
 33. **Hays, R. D.**, & DiMatteo, M. R. (1991, February). Age and patient adherence to medical recommendations: Implications for the treatment of cancer patients. Workshop presented at the 2nd Quality of Life Symposium, Care of the Older Cancer Patient: Clinical and Quality of Life Issues, Long Beach, CA.
 34. **Hays, R. D.** (1991, March). Scientific conference on quality of life in cardiovascular disease. Invited participant, Santa Fe, NM.
 35. Vickrey, B. G., **Hays, R. D.**, Brook, R. H., Engel, J., & Rausch, R. (1991, April). Validation of a quality of life measure in epilepsy surgery patients. Paper presented at the meeting of the American Academy of Neurology, Boston, MA.
 36. Bozzette, S. A., Kanouse, D., Berry, S., Mazel, R., Stewart, A., **Hays, R.** & the ACTG 081 Study Group. (1991, July). Measuring health status in advanced HIV disease: Relationship of comprehensive measures to clinical indicators of illness. Paper presented at the Seventh International Conference on AIDS. Abstract WB 2447.
 37. **Hays, R. D.** (1991, August). The impact of comorbid alcohol disorder on functioning and well-being of chronic disease patients. Paper presented at the meeting of the American Psychological Association, San Francisco, CA.
 38. **Hays, R. D.** (1991, October). Theory of patient compliance with medical recommendations. Paper presented at the Regional Conference of the North American Transplant Coordinators Organization, Las Vegas, NV.

39. **Hays, R. D.** (1991, November). Development of a general outcome measure. Paper presented at Heritage Medical Research Days Conference, Calgary, Alberta, Canada.
40. **Hays, R. D.**, Gillogly, J., Hill, L., Lewis, M., Bell, R., & Nicholas, R. (1991, November). Microcomputer Assessment System for impaired driver treatment programs: Results of a pilot study. Paper presented at the meeting of the Society for Computers in Psychology, San Francisco, CA.
41. **Hays, R. D.** (1992, March). Measuring and applying health outcomes: Incorporating the patient's perspective. Paper presented at the National Managed Health Care Congress, Washington, DC.
42. **Hays, R. D.** & Wang, E. (1992, April). Multitrait Scaling Program: MULTI. Paper presented at the SAS Users Group International Conference, Honolulu, HI.
43. Litwin, M. S., Fink, A., **Hays, R. D.**, Ganz, P. A., Brook, R. H., Duan, N., Rosenthal, J. T., & deKernion, J. B. (1992, May). Quality of life in men with prostate cancer: A pilot study. Paper presented at the meeting of the American Urological Association, San Antonio, TX.
44. **Hays, R. D.**, & Revetto, J. (1992, June). MMPI and the MAST as screening tools for alcohol disorder. Paper presented at the meeting of the Research Society on Alcoholism, San Diego, CA.
45. Bozzette, S. A., Kanouse, D., Berry, S., Duan, N., **Hays, R.**, Petinnelli, C., Richman, D.D., Gocke, D., Kahn, J. and the ACTG. (1992, July). Effects of ddC, ddI, and ZDV on health status in ACTG 114 and 116b/117. Paper presented at the International Conference on AIDS/III STD World Congress. Amsterdam, Netherlands.
46. **Hays, R. D.** (1992, August). Current controversies and future directions in the measurement of health-related quality-of-life. Seminar presented at the University of North Carolina, Health Services Research Series, Chapel Hill, NC.
47. **Hays, R. D.** (1992, August). Invited panelist, The international use, application, and performance of health-related quality of life instruments: Current status and future directions. Burroughs Wellcome Company, Research Triangle Park, NC.
48. **Hays, R. D.** (1992, October). Evaluating the use of microcomputers for assessment of DUI intakes. Paper presented at the Twelfth Statewide Epidemiology Work Group Meeting, Marina del Rey, CA.
49. **Hays, R. D.**, Hill, L., Gillogly, J. J., Lewis, M. W., Bell, R. M., & Nicholas, R. (1992, November). Response burden of different alcohol screening instruments. Paper presented at the meeting of the Society for Computers in Psychology, St. Louis, MO.
50. Vickrey, B., **Hays, R.**, Engel, J., Rausch, R., & Brook, R. (1992, November). Health-related quality of life of epilepsy surgery patients compared with that of outpatients with hypertension, diabetes, heart disease, and depression. Paper presented at the meeting of American Epilepsy Society, Seattle, WA.
51. **Hays, R.D.** (1993, February). From the patient's mouth: Assessing health-related quality of life outcomes in chiropractic. Invited workshop presented at the annual meeting of the Consortium for Chiropractic Research, Las Vegas, NV.

52. Damush, T.M., **Hays, R. D.**, & DiMatteo, M. R. (1993, April). Influence of stressful events and negative coping mechanisms on health. Paper presented at the meeting of the Western Psychological Association, Phoenix, AZ.
53. **Hays, R. D.** (1993, April). Quality of life and measurement considerations in clinical trials. Reactor to NIMH session: Psychopharmacology and HIV Infection: Clinical Challenges and Research Directions. Washington, DC.
54. Cunningham, W. E., **Hays, R. D.**, Williams, K. W., Beck, K. C., Hardy, W. D., George, W. L., O'Brien, W. A., Ettl, M. K., Dixon, W. J., & Shapiro, M. F. (1993, April). Problems with access to care among low income, symptomatic, HIV-infected patients. Paper presented at the meeting of the Society for General Internal Medicine, Arlington, VA.
55. Rubenstein, L., & **Hays, R. D.** (1993, April). If it's there, can you measure it? Survey research methods for health scientists. Invited workshop presented at the meeting of the Society for General Internal Medicine, Arlington, VA.
56. Lee, P. P., **Hays, R.**, & Spritzer, K. (1993, May). The functional impact of blurred vision on health status. Paper presented at the meeting of the National Eye Institute, Bethesda, MD, Abstract 443-92, Investigative Ophthalmology and Visual Science, 34 #4, 790.
57. **Hays, R. D.** (1993, June). Definition and value of outcomes data in managed care. Invited presentation as part of USC/Philadelphia College of Pharmacy and Science course on Decision Making and the Formulary. Philadelphia and Los Angeles.
58. **Hays, R. D.**, Bell, R. M., Hill, L., Gillogly, J.J., Lewis, M. W., Marshall, G. N., Nicholas, R., & Marlatt, G. A. (1993, June). Impact of response options and location in a microcomputer interview on drinking drivers' alcohol use self-reports. Paper presented at the meeting of the Research Society on Alcoholism, San Antonio, TX.
59. **Hays, R. D.**, Sherbourne, C. D., Wells, K. B., Rogers, W. H., & Camp, P. (1993, June). Alcohol use and course of depression for adult outpatients. Paper presented at the meeting of the Research Society on Alcoholism, San Antonio, TX.
60. Devinsky, O., Meador, K., Vickrey, B., Cramer, J., Perrine, K., **Hays, R.**, & Hermann, B. (1993, December). Development of a new instrument to assess quality of life in epilepsy. Paper presented at the meeting of the American Epilepsy Society, Miami, FL (abstract in *Epilepsia*, 34, Suppl. 6, 1993).
61. **Hays, R. D.** (1994, February). Peeling away the structure of health-related quality of life in HIV disease. Invited paper at the meeting of the International Society for Health-Related Quality of Life Research, Brussels, Belgium.
62. Sherbourne, C., **Hays, R. D.**, Meredith, L., & Mazel, R. M. Life events as benchmarks for quality of life changes in the MOS SF-36. (1994, February). Paper presented at the meeting of the International Society for Health-Related Quality of Life Research, Brussels, Belgium (abstract in *Quality of Life Research*, 3, 55, 1994).
63. **Hays, R. D.** (1994, April). Assessing health-related quality of life. National Eye Institute Contemporary Issues in Clinical Research. Sarasota, FL.

64. **Hays, R. D.** (1994, May). Quality of Life: Definition and evaluation. In P. A. Ganz (Chair), *Cancer in elderly people: A model for quality of life assessment*. Paper presented at the meeting of the American Geriatrics Society, Los Angeles, CA.
65. **Hays, R. D.** (1994, June). Microcomputer assessment of alcohol use among convicted drinking drivers. In **R. D. Hays** (Chair), *Integrative and novel strategies for assessing alcohol use and evaluating self-report data*. Paper presented at the meeting of the Research Society on Alcoholism, Maui, HI.
66. **Hays, R. D.**, & Cunningham, W. (1994, July). Functional status and quality of life. First Annual Minority MEDTEP Summer Institute on the Poor and Underserved. Meharry Medical College, Nashville, TN, Invited Presentation.
67. Coulter, I. D., **Hays, R. D.**, & Danielson, C. (1994, August). Do chiropractors provide preventive health care and health promotion: Evidence from Los Angeles. Paper presented at the meeting of the American Sociological Association, Los Angeles, CA.
68. **Hays, R. D.**, Merz, J., & Nicholas, R. (1994, November). Response burden versus reliability of the CAGE, Short-MAST, and AUDIT alcohol screening measures. Paper presented at the meeting of the Society for Computers in Psychology, St. Louis, MO.
69. Kerr, E. A., Mittman, B. S., **Hays, R. D.**, Leake, B., & Brook, R. H. (1995, April). Quality assurance in capitated physician groups: Where is the emphasis? Paper presented at the meeting of the society for General Internal Medicine, San Diego, CA (abstract in *Journal of General Internal Medicine*, 1995, Volume 10: 70S).
70. **Hays, R. D.** Wang, E., & Sonksen, M. (1995, September). General Reliability and Intraclass Correlation Program (GRIP). Paper presented at the 3rd Annual Conference of Western Users of SAS Software, Long Beach, CA.
71. Moore, A., **Hays, R.**, Damesyn, M., Speights, D., Greendale, G., & Reuben, D. (1996, June). Alcohol use in the elderly: Findings from the NHANES I Epidemiologic Followup Survey (1982-84). Paper presented at the meeting of the Research Society on Alcoholism, Washington, DC.
72. **Hays, R. D.**, Wu, A. W., Cleary, P. D., Fleishman, J., Sherbourne, C. D., Crystal, S., Eggan, F., Marshall, G. N., Kaplan, R. M., Kelly, M., Shapiro, M., Bozzette, S. A., the HCSUS Consortium, and the HNRC Group. (1996, June). Associations of time tradeoff with health-related quality of life profile measures in HIV disease. Paper presented at the meeting of the Association for Health Services Research.
73. **Hays, R. D.**, Brown, J. A., Spritzer, K. L., Dixon, W. J., & Brook R. H. (1996, June). Consumer satisfaction with managed care: A study of 48 medical groups. Paper presented at the meeting of the Association for Health Services Research.
74. **Hays, R. D.**, & Lydick, E. (1996, November). Health-related quality of life. Invited Workshop, International Society for Quality of Life Research, Manila, Phillipines.
75. **Hays, R. D.**, Sherbourne, C. D., Spritzer, K. L., & Dixon, W. J. (1997, March). A microcomputer program (sf36.exe) that generates SAS code for scoring the SF-36 Health Survey. Paper presented at the 22nd Annual Conference of the SAS Users Group, San Diego, CA.
76. **Hays, R. D.**, Cunningham, W.E., Beck, C.K., & Shapiro, M. F. (1997, October). Prospective and retrospective reports of change in health-related quality of life in a

- sample of persons with HIV. Paper presented at the meeting of the International Society for Quality of Life Research, Vienna Austria.
77. Cheng, E.M., **Hays, R.D.**, Myers, L.W., Ellison, G.W., del Valle, M., & Vickrey, B.G. (1998, April). How well do self-reported and physician-assessed expanded disability status scale scores agree? Paper presented at the meeting of the American Association of Neurology, Minneapolis, MN.
 78. Olufade, A., Foster, S. A., Coons, S. J., Andrejasich, C. M., & Hays, R. D. (1998, April). Development of the Smoking Cessation Quality of Life (SCQoL) questionnaire. Paper presented at the meeting of the Drug Information Association, Hilton Head, SC.
 79. Damberg, C., **Hays, R.**, Adams, J., & Keeseey, J. (1998, June). Evaluating consumer perceptions of quality of care at the physician group level: Results from the Physician Value Check Survey. Paper presented at the meeting of the Association for Health Services Research, Chicago, IL.
 80. **Hays, R. D.**, & Reise, S. (1998, November). Item response theory. Invited Workshop, International Society for Quality of Life Research, Baltimore, MD.
 81. **Hays, R.D.** (1998, December). Quality of life considerations in osteoporosis. Invited presentation at the 1st International Quality of Life in Osteoporosis Study Group Meeting, San Francisco, CA.
 82. Golin, C., Liu, H., **Hays, R.**, Ickovics, J., Beck, K., Miller, L., Kaplan, A., & Wenger, N. (1999, February). Self-reported adherence to protease inhibitors substantially overestimates an objective measure. Paper presented at the 6th Conference on Retroviruses and Opportunistic Infections, Chicago, IL.
 83. Kaplan, A., Colin, C., Beck, K., Liu, H., **Hays, R.**, Ickovics, J., & Wenger, N. (1999, February). Adherence to protease inhibitor therapy and viral load. Paper presented at the 6th Conference on Retroviruses and Opportunistic Infections, Chicago, IL.
 84. Miller, L., Liu, H., Beck, K., Golin, C., **Hays, R.**, Ickovics, J., Christian, J., Duran, D., Malonado, T., Kaplan, A., & Wenger, N. (1999, February). Providers' estimates of adherence overestimate reports from Medication Event Monitoring System (MEMS) for patients on protease inhibitors (PIs). Paper presented at the 6th Conference on Retroviruses and Opportunistic Infections, Chicago, IL.
 85. Liu, H.H., Wenger, N.S., Golin, C., Miller, L., **Hays, R. D.**, Beck, K., Sanandaji, S., Christian, J., Maldonado, T., Duran, D., & Kaplan, A. (1999, April). How best to measure medication adherence? Paper presented at the meeting of the Society for General Internal Medicine, San Francisco, CA.
 86. Bell, D. S., **Hays, R. D.**, Fonarow, G. C., & Mangione, C. M. (1999, April). A multicenter randomized trial of computer-based instruction on guidelines for care after myocardial infaction. Paper presented at the meeting of the Society for General Internal Medicine, San Francisco, CA.
 87. Dike, G.G., Kim, S., **Hays, R.D.**, & Vickrey, B.G. (1999, April). Comparison of responsiveness to change of epilepsy health-related quality of life measures. Paper presented at the meeting of the American Association of Neurology, Toronto, Canada.

88. del Valle, M., **Hays, R.D.**, Woolley, M., & Vickrey, B.G. (1999, April) A health-related quality of life measure for peripheral neuropathy. Paper presented at the meeting of the American Association of Neurology, Toronto, Canada.
89. Liu, H., & **Hays, R. D.** (1999, April). Measurement of interrater agreement: A SAS/IML macro kappa procedure for handling incomplete data. Paper presented at the SAS Users Group International Conference, Miami, FL.
90. **Hays, R. D.** (1999, May). Self-reported outcomes: Design and conduct of clinical trials of complementary and alternative medicine. Invited presentation at the annual meeting of the Society for Clinical Trials, Anaheim, CA.
91. **Hays, R. D.** (1999, June). Clinical versus statistically significance in health-related quality of life studies. Lecture presented to UCLA School of Nursing Quality of Life Group (G. Padilla course organizer).
92. Kerr, E. A., Mittman, B. S., **Hays, R. D.**, Pitts, J., Zemencuk, J. K., & Brook, R. H. (1999, June). The influence of utilization management on primary care physician satisfaction. Paper presented at the meeting of the American Association for Health Services Research, Chicago, IL.
93. Damiano, P. C., Momany, E. T., Willard, J. C., Farley, D., Short, P., **Hays, R.**, Gill, H., Clabaugh, G., & Pietzsch, P. (1999, June). A comparison of CAHPS results among Medicaid plans, state employees and members of a private business purchasing cooperative. Paper presented at the meeting of the American Association for Health Services Research, Chicago, IL.
94. Chang, C-H. Wright, B. D., Cella, D., & **Hays, R. D.** (1999, June). Re-examination of physical and mental health as measured by the RAND-36. Paper presented at the meeting of the American Association for Health Services Research, Chicago, IL.
95. Mosen, D. M., Cunningham, W. E., Globe, D., Morales, L., Andersen, R. M., Shapiro, M. F., & **Hays, R. D.** (1999, June). The effect of Hispanic ethnicity on long term survival from hospitalization with HIV disease. Paper presented at the meeting of the American Association for Health Services Research, Chicago, IL.
96. Morales, L. S., Weidmer, B. O., & Hays, R. D. (1999, September). Readability of CAHPS® 2.0 child and adult core surveys. Paper presented at the Seventh Conference on Health Survey Research Methods, Williamsburg, VA.
97. Weech-Maldonado, R. Weidmer, B., Morales, L., Schoeff, D., & **Hays, R.D.**, (1999, September). Assessing the cultural appropriateness of survey instruments: The CAHPS® experience. Paper presented at the Seventh Conference on Health Survey Research Methods, Williamsburg, VA.
98. Morales, L. S., Reise, S., & **Hays, R. D.** (1999, November). Evaluating the equivalence of health care rating among Hispanics and Non-Hispanic whites. Paper presented at the meeting of the International Society for Quality of Life Research, Barcelona, Spain.
99. **Hays, R. D.**, & Morales, L. S. (1999, November). Patient satisfaction with care. Invited Workshop, International Society for Quality of Life Research, Barcelona, Spain.

100. **Hays, R. D.**, & Cella, D. (2000, January). A primer on health-related quality of life instrument development and psychometric evaluation. ISOQOL Methods Workshop, Tysons Corner, VA.
101. Elliott, M. N., Swartz, R., Adams, J., & **Hays, R. D.** (2000, March). Casemix adjustment of the National CAHPS® Benchmarking Data 1.0. Paper presented at the conference on “Quality from the Consumer Perspective: Research Findings,” Columbia, MD.
102. Morales, L. S., Elliott, M. N., Weech-Maldonado, R., Spritzer, K. L., & **Hays, R. D.** (2000, March). Differences in CAHPS® Adult Survey Ratings and Reports by Race and Ethnicity: An analysis of the National CAHPS Benchmarking Data 1.0. Paper presented at the conference on “Quality from the Consumer Perspective: Research Findings Research,” Columbia, MD.
103. Weech-Maldonado, R., Morales, L., Spritzer, K., Elliott, M. N., & **Hays, R. D.** (2000, March). Racial and Ethnic Differences in Parents’ Assessments of Pediatric Care in Medicaid Managed Care. Paper presented at the conference on “Quality from the Consumer Perspective: Research Findings Research Findings,” Columbia, MD.
104. **Hays, R. D.** (2000, April). Race/ethnicity differences in health care as an indicator of cultural competence of health care organizations. California Healthcare Foundation, Oakland, CA.
105. Diamant, A. L., **Hays, R. D.**, Morales, L. S. Ford, W., Calmes, D., Asch, S., Duan, N., Fielder, E., Kim, S. Fielding, J., Shapiro, M. F. Hayes-Bautista, D., & Gelberg, L. (2000, May). Barriers to health care among primary care patients in a large urban public health system. Paper presented at the meeting of the Society for General Internal Medicine, Boston, MA.
106. Morales, L. S., Diamant, A. L., & **Hays, R. D.** (2000, June). Factorial invariance of the SF-12 in U. S. Spanish- and English-speaking patients. Paper presented at the meeting of the Association for Health Services Research, Los Angeles, CA.
107. Kanouse, D., Spranca, M., Uhrig, J., Elliott, M., Short, P., Farley, D., & **Hays, R. D.** (2000, June). Effects of CAHPS® reports on Medicaid recipients’ choice of health plans in a laboratory setting. Paper presented at the meeting of the Association for Health Services Research, Los Angeles, CA.
108. **Hays, R. D.** (2000, August). The RAND-36 measure of health-related quality of life. Paper presented at the XII Medical Symposium of the Yrjö Jahnsson Foundation, “Quality of Life Measurement in Clinical Studies,” Poorvo, Finland.
109. **Hays, R. D.** (2000, August). Consumer Assessment of Health Plans Study (CAHPS). Paper presented at the meeting of the American Statistical Association, Indianapolis, IN.
110. **Hays, R. D.** (2000, September). SF-36 Health Survey. Presentation as part of workshop on general health measures at the meeting of the Society for Medical Decision-Making. Cincinnati, OH.
111. **Hays, R. D.**, & Morales, L. S. (2000, October). Patient satisfaction with care. Invited Workshop, International Society for Quality of Life Research, Vancouver, Canada

112. **Hays, R. D.** (2000, October). When does a profile beat a single number, or are two always better than one? Invited plenary presentation given at the meeting of the International Society for Quality of Life Research, Vancouver, Canada.
113. **Hays, R. D.** (2000, November). Psychometric evaluation of the NEI-RQL. Paper presented at the NEI symposium, Visual functioning assessment in clinical and observational research. Bethesda, MD.
114. Sarkisian, C. A., **Hays, R. D.**, & Mangione, C. M. (2000, November). Correlates of expectations regarding aging in older adults. Paper presented at the meeting of the Gerontological Society of America. Washington, DC.
115. **Hays, R. D.** (2001, January). A survey of consumer assessments of physician groups in 2001. Drew RCMI Invited Lecture. Los Angeles, CA.
116. **Hays, R. D.** (2001, February). Initial steps in bringing the CAHPS® survey down to the physician group level. University of Arizona Department of Pharmacoeconomics, Tucson, AZ.
117. Cleary, P., Sekscenski, E., & **Hays, R. D.** (2001, February). Strategic plan and research agenda for the use of Consumer Assessment of Health Plans Study (CAHPS). AHQA Technical Conference. Los Angeles, CA.
118. **Hays, R. D.** (2001, March). Group-level CAHPS® national field test: Results and next steps. Invited presentation at the CAHPS® User Group Meeting, Las Vegas, NV.
119. **Hays, R. D.** (2001, March). The applicability of the CAHPS® survey instrument to preferred provider organizations. Invited presentation at PPO Performance Measurement: Agenda for the future. Washington, DC.
120. **Hays, R. D.** (2001, March). Measuring patient satisfaction with medical care. Invited lecture, USC Health Behavior Research Methods: Preventive Medicine 604 (PM 604). Los Angeles, CA.
121. Moore, A. A., Kole, T. R., Spear, L. M., Hirsch, S. H., Adams, K. G., **Hays, R. D.**, Beck, J. C., & Reuben, D. B. (2001, May). Identifying harmful and hazardous older drinkers: Validation of two new measures. Paper presented at the meeting of the American Geriatrics Society.
122. Hays, R. D. (2001, May). Classical test theory's role in evaluating health-related surveys for multi-cultural research. Presentation as part of workshop on multi-cultural issues in survey research at the meeting of the Society for General Internal Medicine, San Diego, CA.
123. Sarkisian, C., **Hays, R. D.**, & Mangione, C. (2001, May). The association between expectations regarding aging and health-care seeking beliefs for age-associated conditions. Paper presented at the meeting of the Society for General Internal Medicine, San Diego, CA.
124. Liu, H. H., **Hays, R. D.**, Adams, J., Chen, W. P., Tisnado, D., Mangione, C. M., Damberg, C. L., & Kahn, K. (2001, May). Imputation of SF-12 health scores for respondents with partially missing data. Paper presented at the meeting of the Society for General Internal Medicine, San Diego, CA.

125. Wong, M. D., Asch, S. M., Andersen, R. M., **Hays, R. D.**, & Shapiro, M. F. (2001, May). Racial differences in preferences for specialist care. Paper presented at the meeting of the Society for General Internal Medicine, San Diego, CA.
126. **Hays, R. D.** (2001, August). Caution when using the SF-36 Health Survey to estimate the Quality of Well-Being (QWB) Scale: An example from the analysis of comprehensive geriatric assessment. Invited presentation as part of Drew Collaborative Alcohol Research Center Research Methods seminar series, Los Angeles, CA.
127. **Hays, R. D.** (2001, August). Impact of comprehensive geriatric assessment on health-related quality of life. Paper presented at the meeting of the American Psychological Association, San Francisco, CA.
128. **Hays, R. D.** (2001, September). Considerations in determining clinically meaningful differences in health-related quality of life. Invited presentation at the Outcomes Research Conference, Philadelphia, PA (cancelled due to 09-11-01 terrorist attacks).
129. Moore, A. A., Spear, L. M., Kole, T. R., Hirsch, S. H., Adams, K. G., **Hays, R. D.**, Beck, J. C., & Reuben, D. B. (2001, October). Identifying harmful and hazardous older drinkers: A comparison of screening measures. Paper presented at the meeting of the American Public Health Association.
130. Miller, L., Liu, H., Hays, R., Golin, C., Ye, Z., Beck, K., Kaplan, A., & Wenger, N. (2001, October). Association between knowledge of medication dosing and adherence to HAART. Paper presented at the meeting of the Infectious Disease Society of American, San Francisco, CA.
131. **Hays, R. D.** (2001, October). SF-36 profile measure. Presented as part of workshop on General Health Index Instruments. San Diego, CA: Society for Medical Decision Making.
132. Morales, L. S., Reise, S. P., & **Hays, R. D.** (2001, November). The factor structure of the SF-36 physical and mental health summary measures by race/ethnicity and language. Paper presented at the International Society of Quality of Life Research. Amsterdam, Netherlands.
133. **Hays, R. D.** (2001, November). A critical examination of the use of generic health-related quality of life measures among persons with physical disabilities. Paper presented at the Kessler Medical Rehabilitation conference: Quality of Life Measurement: Building an agenda for the future. Parsippany, NJ.
134. **Hays, R. D.** (2001, December). Development of the National Eye Institute Refractive Error Quality of Life Instrument (NEI-RQL-42). Presented to Allergan, Irvine, CA.
135. **Hays, R. D.** (2002, March). Developing and evaluating measures of health-related quality of life: An example from a study of refractive error. Invited lecture, USC Health Behavior Research Methods: Preventive Medicine 604 (PM 604). Los Angeles, CA.
136. Sloan, J. A., Cella, D., Frost, M., Guyatt, G. H., Sprangers, M., Symonds, T., & the **Mayo Clinic Quality-of-Life Clinical Significance Consensus Writing Team**. (2002, April). Overview. Paper presented at "Assessing the Clinical Significance of

- Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Clinical Therapeutics, 24, suppl. B, 1-4.
137. Guyatt, G. H., Osoba, D., Wu, A. W., Wyrwich, K. W., Norman, G. R., & the **Clinical Significance Consensus Meeting Group**. (2002, April). Methods for explaining the clinical significance of health status measures. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 5.
 138. Cella, D., Bullinger, M., Scott, C., Barofsky, I., & the **Clinical Significance Meeting Group**. (2002, April). Group versus individual approaches to understanding the clinical significance of differences or changes in quality of life. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 6.
 139. Sloan, J. A., Aaronson, N. K., Cappelleri, J. C., Fairclough, D. L., Varricchio, C., & the **Clinical Significance Meeting Group**. (2002, April). Assessing the clinical significance of single items relative to summated scores. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 6.
 140. Frost, M. H., Bonomi, A. E., Ferrans, C. E., Wong, G. Y., **Hays, R. D.**, & the Clinical Significance Meeting Group. (2002, April). Patient, clinician, and population perspectives on determining the clinical significance of quality-of-life scores. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 7.
 141. Sprangers, M. A. G., Moynihan, T. J., Patrick, D. L., Revicki, D. A., & the **Clinical Significance Meeting Group**. (2002, April). Assessing meaningful change over time in quality of life: A user’s guide for clinicians. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 8.
 142. Symonds, T., Berzon, R., Marquis, P., Rummans, T., & the **Clinical Significance Meeting Group**. (2002, April). The clinical significance of QOL results: Practical considerations for specific audiences. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 8.
 143. Weech-Maldonado, R., Morales, L. S., Elliott, M., Spritzer, K., Marshall, G., & **Hays, R. D.** (2002, June). Impact of race/ethnicity and language on patients’ assessments of care in Medicaid managed care using CAHPS® 2.0. Paper presented at the meeting of the Academy for Health Services Research and Health Policy, Washington, DC.
 144. Morales, L. S., Brown, L., & **Hays, R. D.** (2002, June). Associations between ratings of interpreter services and patients’ experiences with care. Paper presented at the meeting of the Academy for Health Services Research and Health Policy, Washington, DC.

145. Morales, L. S., Chan, K., Reise, S. P., & **Hays, R. D.** (2002, June). Item response theory properties of the CAHPS® 2.0 survey items. Paper presented at the meeting of the Academy for Health Services Research and Health Policy, Washington, DC.
146. Fongwa, M. N., Stewart, A. L., **Hays, R. D.**, Perez-Stable, E. J. (2002, June). Psychometric characteristics of a patient satisfaction survey incorporating the perspectives of African Americans. Paper presented at the meeting of the Academy for Health Services Research and Health Policy, Washington, DC.
147. Liu, H., **Hays, R.**, Wenger, N., Kaplan, A., Golin, C., & Miller, L. (2002, June). Model based estimate of ROC curves for repeated measures design. Paper presented at the Hawaii International Applied Statistical Conference, Honolulu, HI.
148. **Hays, R. D.** (2002, June). Patient reports and ratings of individual physicians: An evaluation of the DoctorGuide and CAHPS provider level surveys. Paper presented at the CAHPS User Group Meeting, Nashville, TN.
149. **Hays, R. D.** (2002, July). Safety through the patient's eyes: Psychometric considerations in developing a national standard. Paper presented at the 8th Annual Picker Institute International Symposium. Boston, MA.
150. **Hays, R. D.** (2002, October). Measurement of health-related quality of life outcomes. Invited lecture, UCLA Graduate Training Program in Translational Investigation—K30 Clinical Research Workshop. Los Angeles, CA.
151. **Hays, R. D.**, & Morales, L. S. (2002, October). Qualitative and quantitative methods for assessing measurement equivalence in different subgroups. Workshop presented at the International Society for Quality of Life Research, Orlando, FL.
152. **Hays, R. D.** (2002, October). SF-36 profile measure. Presented as part of workshop on General Health Index Instruments. Baltimore, MD: Society for Medical Decision Making.
153. **Hays, R. D.** (2002, November). Selecting items for short forms. Paper presented at the International Society for Quality of Life Research, Orlando, FL.
154. **Hays, R. D.** (2002, November). Reliability and validity of the Medical Outcomes Study sleep measure in patients with neuropathic pain. Paper presented at the International Society for Quality of Life Research, Orlando, FL.
155. Stephenson, B. L. et al. (2003, February). HIV-related health beliefs, attitudes and adherence of inmates in a directly observed treatment setting. Paper presented at the 10th Conference on Retroviruses and Opportunistic Infections. Boston, MA.
156. **Hays, R. D.** (2003, March). Parallels between classical test theory and item response theory. Invited lecture, USC Health Behavior Research Methods: Preventive Medicine 604 (PM 604). Los Angeles, CA.
157. **Hays, R. D.** (2003, March). Bounded estimates and other considerations in determining the minimally important difference. Paper presented at the Drug Information Association, Baltimore, MD.
158. **Hays, R. D.** (2003, March). The ABC's of the 10 D's for Health Outcomes Measurement in the 21st Century. Paper presented at the DHHS Expert Technical Workshop on Summary Measures of Health, Alexandria, VA.

159. **Hays, R. D.** (2003, April). Quality of life: What does it mean and how do you measure it? Invited lecture, Drew Department of Medicine, Clinical Research Training Course. Los Angeles, CA.
160. **Hays, R. D.** (2003, May). A critical look at health-related quality of life measures. Meet the Professor Session, Society for General Internal Medicine, Vancouver, B.C.
161. **Hays, R. D.** (2003, June). The minimally important difference as a special case of responsiveness to change. Invited presentation, Drug Information Association meeting, San Antonio, TX.
162. Miller, L. G., Golin, C. E., Liu, H., **Hays, R. D.**, Hua, J., Wenger, N. S., & Kaplan, A. H. (2003, July). Episodes of transient HIV viremia (“blips”) are not associated with drops in medication adherence. Paper presented at the International AIDS Society Meeting, Paris, France.
163. **Hays, R. D.** (2003, October). The minimally important difference as a special case of responsiveness to change. Presented at Mayo Meeting on Clinical Significance of Health-Related Quality of Life data, Scottsdale, AZ.
164. Cella, D., Chassany, O., Fairclough, D., Hahn, E. A., **Hays, R. D.**, & Wong, G. (2003, October). A guide for clinicians to compare the accuracy and precision of health-related quality-of-life data relative to other clinical measures. Presented at Mayo Meeting on Clinical Significance of Health-Related Quality of Life data, Scottsdale, AZ.
165. **Hays, R. D.** (2003, October). Item response theory applications in health: Discussant. Invited presentation at the American Statistical Association meeting, Chicago, IL.
166. **Hays, R. D.** (2003, October). Profile measures: SF-36. Presented as part of workshop on General Health Index Instruments. Chicago, IL: Society for Medical Decision Making.
167. Khanna, D., Furst, D. E., Clements, P. J., Park, G. S., **Hays, R. D.**, & Seibold, J. R. (2003, October). Responsiveness of the Health-Related Quality of Life instruments (SF-36 and HAQ-DI) in a Systemic sclerosis clinical trial. Paper presented at the ACR/ARHP Society Meeting, Orlando, FL. *Arthritis Rheum*, 48 (9), S398.
168. **Hays, R. D.** (2003, November). Estimates of minimally important differences should reflect uncertainty. Presented at the International Society for Quality of Life Research meeting, Prague, Czech Republic.
169. **Hays, R. D.** (2003, November). Methods for testing psychometric equivalence: Multitrait scaling. Presented at part of pre-conference workshop at the Geriatrics Society of America meeting, San Diego, CA.
170. **Hays, R.D.** (2004, January). Approaches for estimating minimally important differences. Presented at the Minimally Important Differences in COPD workshop. Beach House, Bal Harbor, FL.
171. **Hays, R. D.** (2004, March). Estimating minimally important differences. Seminar presented to Amgen Pharmacoeconomics group. Thousand Oaks, CA.

172. **Hays, R. D.** (2004, March). Minimally important differences in health-related quality of life research. Invited lecture, USC Health Behavior Research Methods: Preventive Medicine 604 (PM 604). Los Angeles, CA.
173. Kanwal, F., Gralnek, I.M., Dulai, G.S., **Hays, R.D.**, & Asch, S. (2004, May). Impact of chronic hepatitis C comorbidity on health-related quality of life in persons with HIV. Presented at the annual meeting of the American Gastroenterology Association. New Orleans, LA.
174. Weech-Maldonado, R., Gutierrez, P., & **Hays, R.D.** (2004, June). Hispanic language and patient assessments of Medicare managed care. Presented at the annual meeting of AcademyHealth., San Diego, CA.
175. de Vries, H., Elliott, M., Hepner, K., Keller, S., & **Hays, R. D.** (2004, October). Equivalence of mail and telephone responses to the hospital CAHPS® (HCAHPS®) survey. Paper presented at the annual meeting of the International Society for Quality in Health Care, Amsterdam, Netherlands.
176. Farivar, S. S., & **Hays, R.D.** (2004, November). Constructing correlated physical and mental health summary scores for the SF-36 health survey. Paper presented at the annual meeting of the International Society for Quality of Life Research, Hong Kong. (*Quality of Life Research*, 13 (9), 1550).
177. **Hays, R. D.** (2005, June). Differences in patient reports and ratings of ambulatory health care by race/ethnicity. Invited presentation to National Cancer Institute, Rockville, MD.
178. **Hays, R. D.**, Morlock, R., Spritzer, K., Drake, C., & Roth, T. (2005, June). Psychometric properties of the Restorative Sleep Questionnaire and Daytime Consequences of Sleep Questionnaire. Paper presented at the Associated Professional Sleep Societies' annual meeting, Denver, CO.
179. **Hays, R. D.** (2005, October). Discussant: CAHPS Hospital Survey. Presented at the American Statistical Association International Conference on Health Policy Research. Boston, MA.
180. **Hays, R.D.** (2005, November). Quantitative methods: Reliability, validity, and use of SEM to assess psychometric equivalence. Presentation to Geriatrics Society of America, Orlando, FL.
181. **Hays, R. D.**, Johansson, P., Weidmer, B., Wharton, D., Dalpoas, D., & Darby, C. (2006, April). Psychometric assessment of an experience with care survey for American Indians. Paper presented at the Society for General Internal Medicine annual meeting, Los Angeles, CA.
182. Derose, K.P., Kanouse, D.E., Weidmer, B., Weech-Maldonado, R., Garcia, R.E., & **Hays, R.D.** (2006, June) Developing a Spanish-language sample report for CAHPS®. Poster presentation at AcademyHealth Annual Research Meeting, Seattle, WA.
183. Hepner, K.A., Nelson, M.S., & **Hays, R. D.** (2006, April). Psychometric properties of the CAHPS Hospital Survey. Paper presented at the Society for General Internal Medicine Annual Meeting, Los Angeles, CA.

184. Hepner, K.W., Weidmer, B. & **Hays, R.D.** (2006, June) Evaluating mode effects in the CAHPS® In-Center Hemodialysis Survey. Paper presented at the AcademyHealth Annual Research Meeting, Seattle, WA.
185. Weech-Maldonado, R., Elliott, M. Schiller, C., **Hays, R.D.** (2006, August). Differential Use of 0-10 rating scales by racial-ethnic minorities in CAHPS®. Paper presented at the Joint Statistical Meetings, Seattle, WA.
186. **Hays, R. D.** (2006, September). Psychometric modeling and calibration. Paper presented at the inaugural PROMIS meeting, Gaithersburg, MD.
187. Khanna, D., **Hays, R. D.**, Park, G. S., Braun-Moscovici, Y, Mayes, M.D. et al. (2006). Development of the Scleroderma Gastrointestinal Tract 1.0 (SSc-GIT 1.0) Quality of Life Instrument. Arthritis Rheum, 52(9), S479.
188. Khanna, D., **Hays, R. D.**, Furst, D. E., Wong, W.K. et al. (2006). Assessment of SF-6D, a preference measure, in systemic sclerosis. Arthritis Rheum, 52(9), S346.
189. Reeve, B., & **Hays, R. D.** (2007, September). Example analyses from PROMIS wave 1. Invited presentation to the U.S. Food and Drug Administration. Silver Spring, MD.
190. **Hays, R. D.** (2007, October). Cigarette smoking and health-related quality of life in Medicare beneficiaries. Paper presented at the annual meeting of the International Society for Quality of Life Research, Toronto, Canada.
191. Khanna, D., Kaplan, R.M., Eckman, M.H., **Hays, R.D.**, Ginsburg, S., & Tsevat, J. (2007, October). Association between valuation by the general public of their own health and their valuation of scleroderma health states. Paper presented at the Society of Medical Decision Making, Pittsburgh, PA.
192. Khanna, D., Kaplan, R.M., Eckman, M.H., **Hays, R.D.**, Ginsburg, S., & Tsevat, J. (2007, October). Valuing Scleroderma health states: A picture is worth a thousand words, and quite a few utiles. Paper presented at the Society of Medical Decision Making, Pittsburgh, PA.
193. Khanna, D., Kaplan, R. H., Eckman, M., Ginsburg, S., **Hays, R. D.**, & Tsevat, J. (2007). Valuation of health states for scleroderma and psoriatic arthritis by the general public: Community weights for future decision and cost-effectiveness analyses. Arthritis Rheum, 56(9): S597.
194. **Hays, R.D.** (2008, June). Impact of Mode and Order of Administration on Generic HRQOL Scores. Institute for Healthcare Studies Seminar Series—CORE Speaker Series on Quality of Life and Patient-Reported Outcomes in Chronic Illness. Chicago, IL.
195. **Hays, R.D.** (2008, June). Measurement issues. Diabetes & Obesity Disparities in Health Care Systems Conference. Bethesda, MD.
196. **Hays, R. D.** (2008, September). Construction and evaluation of multi-item scales. RCMAR/EXPORT seminar series. Los Angeles, CA.
197. **Hays, R. D.** (2008, October). Evaluation of Mode (Mail vs. Phone administration) Effects for Generic Health-Related Quality of Life Measures in Clinical Outcomes and Measurement of Health Study (COMHS). International Society for Quality of Life Research. Montevideo, Uruguay.

198. **Hays, R.D.** (2008, October). Evaluation of Mode (Mail vs. Phone administration) Effects for Generic Health-Related Quality of Life Measures in Clinical Outcomes and Measurement of Health Study (COMHS). USC Graduate Seminar in Pharmaceutical Economics and Policy. Los Angeles, CA.
199. **Hays, R. D.** (2008, October). Measurement tools to enhance health-related quality of life research: The Patient-Reported Outcomes Measurement Information System (PROMIS). International Society for Quality of Life Research annual meeting. Montevideo, Uruguay.
200. **Hays, R. D.** (2008, December). Ambulatory care survey updates: Health Information Technology. CAHPS and SOPS User Group Meeting. Scottsdale, AZ.
201. **Hays, R. D.** (2009, March). Diversity in quality improvement. Institute of Medicine workshop on future directions for the National Healthcare Quality and Disparities Reports. Newport Beach, CA.
202. **Hays, R. D.** (2009, June). Health-Related Quality of Life Preference Measures for Vision Studies. Allergan. Irvine, CA.
203. Avidan, A., **Hays, R. D.**, Diaz, N., Bordelon, Y., Thompson, A. W., Vassar, S. D., & Vickrey, B. G. (2011, June). Health-related quality of life associations vary by type of sleep problem symptoms in Parkinson's disease. American Academy of Sleep Medicine and the Sleep Research Society joint meeting, Minneapolis, MN.
204. Khanna, P., Beaton, C., Persselin, J., **Hays, R. D.**, Furst, D., Paulus, H., Terkeltaub, R., Maranian, P., & Khanna, D. (2011, November). Impact of acute gout flares on health-related quality of life (HRQOL) and productivity in patients with chronic gout. Paper presented at the American College of Rheumatology meeting, Chicago, IL.
205. **Hays, R. D.** (2011, November). Patient-reported outcomes: Measures in nephrology. UCLA Division of Nephrology and Hypertension Grand Rounds. Torrance, CA.
206. **Hays, R. D.** (2011, December). Internal and external validity and method of control. Guest lecture to Charles R. Drew University of Medicine and Science, MSRTP. Los Angeles, CA.
207. **Hays, R. D.** (2011, December). Estimating reliability. Presentation in RCMAR/EXPORT Methods seminar series. Los Angeles, CA.
208. **Hays, R. D.** (2012, November). Patient-reported physical functioning. MCID: Defining outcome metrics for orthopaedic devices conference. Silver, Spring, MD.
209. **Hays, R. D.** (2012, November). Overview of Item Response Theory and Evaluating Assumptions. Geriatrics Society of American (GSA) Pre-Conference Workshop on Patient-reported outcome item banks. San Diego, CA.
210. **Hays, R. D.** (2012, December). CAHPS survey items assessing how well healthcare providers address health literacy. Presentation at the 13th RCMI International Symposium on Health Disparities, Puerto Rico.
211. **Hays, R. D.** (2013, January). Measurement of outcomes. Charles Drew Accelerating eXcellence in translations Science seminar series, Los Angeles, Ca.

212. **Hays, R. D.** (2013, February). Item response theory in patient-reported outcomes research (workshop). Society of General Internal Medicine California-Hawaii Regional Meeting. Los Angeles, CA.
213. Cole, J. C., Cheng, R., Obserdhan, D., Krase, H. B., & **Hays, R. D.** (2013, May). Psychometric analyses of patient-reported outcome instruments for autosomal dominant polycystic kidney disease. *Value in Health*, 16(30), A183.
214. **Hays, R. D.** (2013, June). Should we care about what patients say about coordination of care? AcademyHealth, Baltimore, MD.
215. **Hays, R. D.** (2013, September). Remaining challenges and what to do next: Undiscovered areas. University of Twente symposium on item response theory in measurement, Schiphol, Netherlands.
216. **Hays, R. D.** (2013, October). Why patient-reported outcomes are important: Growing implications and applications for rheumatologists (ACR annual meeting, San Diego, CA).
217. **Hays, R. D.**, & Spritzer, K. L. (2013, November). Recycled Sas PrEdiCTions (RESPECT). Paper presented at the Society for Computers in Psychology meeting, Toronto, Canada.
218. **Hays, R. D.** (2014, February). Social and behavioral determinants of health. IOM committee on recommended social and behavioral domains and measures for electronic medical health records.
219. Fongwa, M., Moore, S., de la Cruz, F., & **Hays, R.D.** (2014, March). African American women's perceptions of the benefits of support groups for improving adherence to hypertension treatment. Paper presented at the Nursing Research Conference, Phoenix, AZ.
220. Wood, R., Paoli, C., **Hays, R.D.** et al. (2014, April). Evaluation of the Consumer Assessment of Healthcare Providers and Systems (CAHPS®) in-center hemodialysis (ICH) survey. Paper presented at the National Kidney Foundation (NKF) Clinical Meeting, Las Vegas, NV.
221. **Hays, R. D.** (2014, May). Overview of health-related quality of life measures. Kaiser Permanente Methods Webinar Seminar Series,
222. Fung, C. H., Martin, J. L., **Hays, R. D.**, Rodriguez, J. C., Igodan, U., Jouldjian, S., Dzierzewski, J. M., Josephson, K., Kramer, B. J., & Alessi, C. A. (2014, June). Development of the USE-SA questionnaire for measuring patient-reported ratings of positive airway pressure equipment usability. Paper presented at the Associated Professional Sleep Societies meeting, Minneapolis, MN.
223. **Hays, R. D.** (2014, June). Evaluating health-related quality of Life measures. Kaiser Permanente Methods Webinar Seminar Series.
224. **Hays, R. D.** (2014, July). Use of health-related quality of life measures to assess individual patients. Kaiser Permanente Methods Webinar Seminar Series.
225. **Hays, R. D.** (2014, October). Methods for assessing safety culture: A view from the outside. Agency for Healthcare Research and Quality safety culture conference.

226. Villatoro, A. P., Mays, V., Ponce, N., **Hays, R. D.**, & Aneshensel, C. S. (2014, November). Racial/ethnic differences in perceived need for mental health care. Paper presented at the American Public Health Association meeting, New Orleans, LA.
227. **Hays, R. D.**, Kapteyn, A., & Liu, H. (2014, November). Use of online surveys to conduct surveys. Paper presented at the meeting of the Society for Computers in Psychology, Long Beach, CA.
228. Brown, J.A., & **Hays, R. D.** (2014, November). Effect of a post-paid incentive on response rates to a web-based survey. Paper presented at the meeting of the Society for Computers in Psychology, Long Beach, CA.
229. **Hays, R. D.** (2015, June). Are positive experiences with health care bad for health? AcademyHealth, Minneapolis, MN.
230. **Hays, R. D.** (2015, October). Physical functioning among Medicare beneficiaries. International Society for quality of life studies annual meeting, Phoenix, AZ.
231. **Hays, R. D.** (2015, November). Overlap between subjective well-being and health-related quality of life. GSA pre-conference workshop, Orlando, FL.
232. **Hays, R. D.** (2016, March). What can IRT do? NYU School of Medicine, Department of Population health seminar series.
233. **Hays, R. D.** (2016, March). Responding to arguments against use of PROs for evaluating the performance of healthcare providers. Patient-centered assessment resource, PCAR, webinar.
234. **Hays, R. D.** (2016, May). Evaluating patient-reports about health. University of Utah learning health system seminar, Salt Lake City, Utah.
235. **Hays, R. D.** (2016, June). Patient-reported outcomes (PROs) as quality of care measures. HealthMeasures User Workshop, Rosemont, Illinois.
236. **Hays, R. D.** (2016, September). Patient experience of care as an indicator of quality of care. University of New Mexico Department of Internal Medicine/Division of Nephrology.
237. **Hays, R. D.** (2016, November). NIH: Patient-reported outcomes measurement information system (PROMIS). Functional vision as visual function—Working toward integrating the patient perspective in retinal research. Chevy Chase, MD.
238. **Hays, R. D.** (2017, February). Assessing psychometric properties of multi-item scales. NIH diversity program consortium webinar series.
239. **Hays, R. D.** (2017, September). Deriving PROMIS-29 V2.0 Physical and mental health summary scores. HealthMeasures conference, Chicago, IL.
240. **Hays, R. D.** (2017, October). PROMIS-29 V2.0 Physical and mental health summary scores. International Society for Quality of Life Research annual meeting, Philadelphia, PA.
241. Nordyke, R. J., Nicholson, G., Gage, S. M., Lithgow, T., Himmelfarb, J., Rivara, M. B., **Hays, R. D.**, Woo, K., & Peipert, J. D. (2018, May). Vascular access-specific HRQOL impacts among hemodialysis patients: The hemodialysis access-related QOL

(HRRQ) project focus group results. International Society of Pharmacoeconomics and Outcomes Research annual meeting, Baltimore, MD.

242. Watson, L., **Hays, R.**, Tang, Y., Mahadik, B., Doucette, J., Kingsberg, S., Kallich, J., & Murimi, I. B. (2020, May). Health-related quality of life measurements in women with hypoactive sexual desire disorder: A systematic literature review. International Society of Pharmacoeconomics and Outcomes Research annual meeting, Orlando, FL. (Value in Health, 23, S164).
243. Quinton, J. K., Li, N., Mangione, C., Moin, T., Harwood, J., **Hays, R. D.**, Spritzer, K. L., Liu, P. Y., & Dura, O. K. (2020, May). Psychometric evaluation of multi-item scales assessing barriers to care and unmet social needs among high-need high-cost Medicaid beneficiaries. Society of General Internal Medicine. Birmingham, AL. (JGIM, 35, S245-46).

RESEARCH PAPERS

RESEARCH PAPERS (PEER REVIEWED)

A. RESEARCH PAPERS—PEER REVIEWED

1. **Hays, R.** (1980). Honesty requiring a self-initiated response. Psychological Reports, 46, 87-90.
2. Brant, W.D., Batres, A., & **Hays, R.** (1980). Authoritarian traits as predictors of candidate preference in 1980 United States presidential election. Psychological Reports, 47, 416-418.
3. DiMatteo, M.R., & **Hays, R.** (1980). The significance of patients' perceptions of physician conduct: A study of patient satisfaction in a family practice center. Journal of Community Health, 6, 18-34.
4. **Hays, R.**, & Stacy, A. (1983). A study of the reliability and validity of the Holmes Alcoholism Scale. Journal of Clinical Psychology, 39, 284-286.
5. **Hays, R.**, & Stacy, A. (1983). Validity of five MMPI alcoholism scales: A critique and reanalysis. Journal of Clinical Psychology, 39, 459-460.
6. **Hays, R.**, Stacy, A.W., & DiMatteo, M.R. (1984). Covariation among health-related behaviors. Addictive Behaviors, 9, 315-318.
7. Stacy, A.W., Widaman, K.F., **Hays, R.**, & DiMatteo, M.R. (1985). Validity of self-reports of alcohol and other drug use: A multitrait-multimethod assessment. Journal of Personality and Social Psychology, 49, 219-232.
8. **Hays, R.** (1985). An integrated value expectancy theory of alcohol and other drug use. British Journal of Addiction, 80, 379-384.
9. **Hays, R.**, Stacy, A.W., Widaman, K.F., DiMatteo, M.R., & Downey, R. (1986). Multistage path models of adolescent alcohol and drug use: A reanalysis. Journal of Drug Issues, 16, 357-369. (Also P-7232, Santa Monica: RAND)
10. **Hays, R.** (1986). MTMM.BAS: A program for analyzing multitrait-multimethod matrices. Bulletin of the Society of Psychologists in Addictive Behaviors, 5, 23-28.

11. **Hays, R.,** & Ware, J.E. (1986). My medical care is better than yours: Social desirability and patient satisfaction ratings. Medical Care, 24, 519-525.
12. DiMatteo, M.R., **Hays, R.,** & Prince, L. (1986). Relationship of physicians' nonverbal communication skill to patient satisfaction, appointment noncompliance, and workload. Health Psychology, 5, 581-594.
13. **Hays, R. D.,** & DiMatteo, M.R. (1987). Key issues and suggestions for patient compliance assessment: Source of information, focus of measures, and nature of response options. Journal of Compliance in Health Care, 2, 37-53. (Reprinted in Diabetes Spectrum, 1989, 2, 55-63).
14. **Hays, R.,** Widaman, K.F., DiMatteo, M.R., & Stacy, A.W. (1987). Structural equation models of current drug use: Are appropriate models so simple(x)? Journal of Personality and Social Psychology, 52, 134-144.
15. **Hays, R. D.,** & DiMatteo, M. R. (1987). A short-form measure of loneliness. Journal of Personality Assessment, 51, 69-81.
16. **Hays, R. D.,** Stacy, A.W., & DiMatteo, M.R. (1987). Problem behavior theory and adolescent alcohol use. Addictive Behaviors, 12, 189-193.
17. **Hays, R. D.,** & White, K. (1987). The importance of considering alternative structural equation models in evaluation research. Evaluation and the Health Professions, 10, 90-100.
18. **Hays, R. D.,** & White, K. (1987). Professional satisfaction and client outcomes: A reanalysis. Medical Care, 25, 259-262.
19. Hayashi, T., & **Hays, R. D.** (1987). A microcomputer program for analyzing multitrait-multimethod matrices. Behavior Research Methods, Instruments, and Computers, 19, 345-348. (Also P-7298, Santa Monica, The RAND Corporation).
20. Ware, J. E., & **Hays, R. D.** (1988). Methods for measuring patient satisfaction with specific medical encounters. Medical Care, 26, 393-402.
21. **Hays, R. D.,** & Huba, G. J. (1988). Reliability and validity of drug use items differing in the nature of their response options. Journal of Consulting and Clinical Psychology, 56, 470-472.
22. Stewart, A. L., **Hays, R. D.,** & Ware, J. E. (1988). The MOS short-form general health survey: Reliability and validity in a patient population. Medical Care, 26, 724-735.
23. **Hays, R. D.** (1989). Robustness of a model of exercise. Journal of Behavioral Medicine, 12, 599-603.
24. Wells, K. B., Stewart, A. L., **Hays, R. D.,** Burnam, M. A., Rogers, W., Daniels, M., Berry, S., Greenfield, S., & Ware, J. E. (1989). The functioning and well-being of depressed patients: Results from the Medical Outcomes Study. Journal of the American Medical Association, 262, 914-919. (also published in JAMA-India, 1989, 16, 153-158; JAMA-Japan, April 4, 1990, 72-78).
25. Stewart, A. L., Greenfield, S., **Hays, R. D.,** Wells, K., Rogers, W. H., Berry, S. D., McGlynn, E. A. & Ware, J. E. (1989). Functional status and well-being of patients with chronic conditions: Results from the Medical Outcomes Study. Journal of the American

- Medical Association, 262, 907-913. (also published in JAMA-India, 1989, 6, 143-149; JAMA-Japan, April 4, 1990, 40-47).
26. **Hays, R. D.**, Hayashi, T., & Stewart, A. L. (1989). A five-item measure of socially desirable response set. Educational and Psychological Measurement, 49, 629-636.
 27. Nelson, E. C., **Hays, R. D.**, Larson, C., & Batalden, P. (1989). The patient judgment system: Reliability and validity. Quality Review Bulletin, 15, 185-191.
 28. Wells, K. B., **Hays, R. D.**, Burnam, A., Rogers, W., Daniels, M., Greenfield, S., & Ware, J. E. (1989). Detection of depressive disorders for patients receiving prepaid or fee-for-service care. Journal of the American Medical Association, 262, 3298-3302.
 29. **Hays, R. D.**, & Stewart, A. L. (1990). The structure of self-reported health in chronic disease patients. Psychological Assessment, 2, 22-30.
 30. **Hays, R. D.**, & Ellickson, P. L. (1990). How generalizable are adolescents' beliefs about pro-drug pressures and their ability to resist them? Journal of Applied Social Psychology, 20, 321-340.
 31. **Hays, R. D.**, & Revetto, J. (1990). Peer cluster theory and adolescent drug use: A reanalysis. Journal of Drug Education, 20, 191-198.
 32. **Hays, R. D.**, & Hayashi, T. (1990). Beyond internal consistency reliability: Rationale and User's Guide for Multitrait Scaling Analysis Program on the microcomputer. Behavior Research Methods, Instruments & Computers, 22, 167-175.
 33. Nelson, E. C., Rubin, H. R., **Hays, R. D.**, & Meterko, M. (1990). Response to questionnaire. In M. Meterko, E. C. Nelson, & H. R. Rubin (eds.), Patient judgments of hospital quality: Report of a pilot study. Medical Care, 28, S18-S22.
 34. Rubin, H. R., Ware, J. E., & **Hays, R. D.** (1990). The PJHQ Questionnaire: Exploratory factor analysis and empirical scale construction. In M. Meterko, E. C. Nelson, & H. R. Rubin (eds.), Patient judgments of hospital quality: Report of a pilot study. Medical Care, 28, S22-29.
 35. **Hays, R. D.**, Nelson, E. C., Rubin, H. R., Ware, J. E., & Meterko, M. (1990). Further evaluations of the PJHQ Scales. In M. Meterko, E. C. Nelson, & H. R. Rubin (eds.), Patient judgments of hospital quality: Report of a pilot study. Medical Care, 28, S29-S39.
 36. **Hays, R. D.**, & Ellickson, P. L. (1990). Longitudinal scalogram analysis: A methodology and microcomputer program for Guttman scale analysis of longitudinal data. Behavior Research Methods, Instruments & Computers, 22, 162-166.
 37. Siu, A. L., Reuben, D. B., & **Hays, R. D.** (1990). Hierarchical measures of physical function in ambulatory geriatrics. Journal of the American Geriatrics Society, 38, 1113-1119.
 38. Shugars, D., DiMatteo, M. R., **Hays, R. D.**, Cretin, S., & Johnson, J. D. (1990). Professional satisfaction among California general dentists. Journal of Dental Education, 54, 661-669.
 39. Sherbourne, C. D., & **Hays, R. D.** (1990). Marital status, social support and health transitions in chronic disease patients. Journal of Health and Social Behavior, 31, 328-343.

40. Nelson, E. C., Landgraf, J. M., **Hays, R. D.**, Wasson, J. H., & Kirk, J. W. (1990). The functional status of patients: How can it be measured in physicians' offices? Medical Care, 28, 1111-1126.
41. **Hays, R. D.**, Larson, C., Nelson, E. C., & Batalden, P. B. (1991). Hospital quality trends: A short-form patient-based measure. Medical Care, 29 (7), 661-668.
42. Ellickson, P. L., & **Hays, R. D.** (1991). Antecedents of drinking among young adolescents with different alcohol use histories. Journal of Studies on Alcohol, 52, 398-408.
43. Ellickson, P. L., & **Hays, R. D.** (1991). Beliefs about resistance self-efficacy and drug prevalence: Do they really affect drug use? International Journal of the Addictions, 25 (11A), 1353-1378.
44. **Hays, R. D.**, & Ellickson, P. L. (1991). Guttman scale analysis of longitudinal data: A methodology and drug use applications. International Journal of the Addictions, 25 (11A), 1341-1352.
45. Shugars, D., **Hays, R. D.**, DiMatteo, M. R., Cretin, S., & Johnson, J. D. (1991). Development of an instrument to measure professional satisfaction among dentists. Medical Care, 29 (8), 728-744.
46. Hadorn, D. C., & **Hays, R. D.** (1991). Multitrait-multimethod analysis of health-related quality of life preferences. Medical Care, 29 (9), 829-840.
47. Vickrey, B. G., **Hays, R. D.**, Brook, R. H., & Rausch, R. (1992). Reliability and validity of the Katz Adjustment Scales in an epilepsy sample. Quality of Life Research, 1, 63-72.
48. **Hays, R. D.**, & Hadorn, D. (1992). Responsiveness to change: An aspect of validity, not a separate dimension. Quality of Life Research, 1, 73-75.
49. Vickrey, B., **Hays, R. D.**, Graber, J., Rausch, R., Engel, J., & Brook, R. H. (1992). A health-related quality of life instrument for patients evaluated for epilepsy surgery. Medical Care, 30, 299-319.
50. Wasson, J., **Hays, R.**, Rubenstein, L., Nelson, E., Leaning, J., Johnson, D., Keller, A., Landgraf, J., & Rosenkrans, C. (1992). The short-term effect of patient health status assessment in a health maintenance organization. Quality of Life Research, 1, 99-106.
51. Hadorn, D. C., **Hays, R. D.**, Uebersax, J., & Haber, T. (1992). Improving task comprehension in the measurement of health state preferences: A trial of informational cartoon figures and a paired-comparison task. Journal of Clinical Epidemiology, 45, 233-243.
52. **Hays, R. D.**, Gillogly, J. J., Hill, L., Lewis, M. W., Bell, R. M., & Nicholas, R. (1992). A Microcomputer Assessment System (MAS) for administering computer-based surveys: Preliminary results from administration to clients at an impaired-driver treatment program. Behavior Research Methods, Instruments, & Computers, 24, 358-365.
53. Wasson, J., Keller, A., Rubenstein, L., **Hays, R. D.**, Nelson, E., Johnson, D., & Dartmouth Primary Care COOP Staff. (1992). Benefits and obstacles of health status

- assessment in ambulatory settings: The clinician's point of view. Medical Care, 30, 42-49s.
54. Ellickson, P. L., **Hays, R. D.**, & Bell, R. M. (1992). Stepping through the drug use sequence: Longitudinal scalogram analysis of initiation and heavy use. Journal of Abnormal Psychology, 101, 441-451.
 55. Larson, C. O., **Hays, R. D.**, & Nelson, E. C. (1992). Do the pictures influence scores on the Dartmouth COOP charts? Quality of Life Research, 1, 247-249.
 56. Nelson, E. C., Larson, C. O., **Hays, R. D.**, Nelson, S. A., Ward, D., & Batalden, P. B. (1992). The physician and employee judgment system: Reliability and validity of a hospital quality measurement method. Quality Review Bulletin, 18, 284-292.
 57. Wells, K. B., Burnam, M. A., Rogers, W., **Hays, R.**, & Camp, P. (1992). Course of depression for adult outpatients: Results from the Medical Outcomes Study. Archives of General Psychiatry, 49, 788-794.
 58. Sherbourne, C. D., **Hays, R. D.**, Ordway, L., DiMatteo, M. R., & Kravitz, R. (1992). Antecedents of adherence to medical recommendations: Results from the Medical Outcomes Study. Journal of Behavioral Medicine, 15, 447-468.
 59. Ellickson, P. L., & **Hays, R. D.** (1992). On becoming involved with drugs: Modeling adolescent drug use over time. Health Psychology, 11, 377-385.
 60. Reuben, D. B., Rubenstein, L. V., Hirsch, S. H., & **Hays, R. D.** (1992). The value of functional status as a predictor of mortality: Results of a prospective study. American Journal of Medicine, 93, 663-669.
 61. **Hays, R. D.**, & Revetto, J. P. (1992). Old and new MMPI-derived scales and the Short-MAST as screening tools for alcohol disorder. Alcohol and Alcoholism, 27, 685-695.
 62. DiMatteo, M. R., Sherbourne, C. D., **Hays, R. D.**, Ordway, L., Kravitz, R. L., McGlynn, E. A., Kaplan, S., & Rogers, W. H. (1993). Physicians' characteristics influence patients' adherence to medical treatment: Results from the Medical Outcomes Study. Health Psychology, 12, 93-103.
 63. Siu, A. L., **Hays, R. D.**, Ouslander, J. G., Osterweil, D., Valdez, R. B., Krynski, M., & Gross, A. (1993). Measuring functioning and health in the very old. Journal of Gerontology: Medical Sciences, 48, M10-M14.
 64. Brorsson, B., Ifver, J., & **Hays, R. D.** (1993). The Swedish Health-Related Quality of Life Survey (SWED-QUAL). Quality of Life Research, 2, 33-45.
 65. DiMatteo, M. R., **Hays, R. D.**, Gritz, E., Bastani, R., Crane, L., Elashoff, R., Ganz, P., Heber, D., & McCarthy, W. (1993). Patient adherence to cancer control regimens: Scale development and initial validation. Psychological Assessment, 5, 102-112.
 66. **Hays, R. D.**, Hill, L., Gillogly, J. J., Lewis, M. W., Bell, R. M., & Nicholas, R. (1993). Response times for the CAGE, Short-MAST, AUDIT, and JELLINEK Alcohol Scales. Behavior Research Methods, Instruments, & Computers, 25, 304-307.
 67. DiMatteo, M. R., Shugars, D. A., & **Hays, R. D.** (1993). Occupational stress, life stress and mental health among dentists. Journal of Occupational and Organizational Psychology, 66, 153-162.

68. Kravitz, R., **Hays, R. D.**, Sherbourne, C. D., DiMatteo, M. R., Rogers, W. H., Ordway, L., & Greenfield, S. (1993). Recall of recommendations and adherence to advice among patients with chronic medical conditions: Results from the Medical Outcomes Study. Archives of Internal Medicine, 153, 1869-1878.
69. Siu, A. L., Ouslander, J. G., Osterweil, D., Reuben, D. B., & **Hays, R. D.** (1993). Change in self-reported functioning in older persons entering a residential care facility. Journal of Clinical Epidemiology, 46, 1093-1102.
70. **Hays, R. D.**, Sherbourne, C. D., & Mazel, R. M. (1993). The RAND 36-Item Health Survey 1.0. Health Economics, 2, 217-227.
71. Stewart, A. L., Sherbourne, C. D., Wells, K. B., Burnam, M. A., Rogers, W. H., **Hays, R. D.**, & Ware, J. E. (1993). Do depressed patients in different treatment settings have different levels of well-being and functioning? Journal of Consulting and Clinical Psychology, 61, 849-857.
72. Marshall, G. N., **Hays, R. D.**, Sherbourne, C., & Wells, K. B. (1993). The structure of patient satisfaction with outpatient medical care. Psychological Assessment, 5, 477-483.
73. Sherbourne, C. D., **Hays, R. D.**, Wells, K. B., Rogers, W., & Burnam, M. A. (1993). Prevalence of comorbid alcohol disorder and consumption in depressed and medically ill patients. Archives of Family Medicine, 2, 1142-1149.
74. **Hays, R. D.**, Nelson, E. C., Larson, C., & Batalden, P. B. (1994). Short-form measures of physician and employee judgments about hospital quality. The Joint Commission Journal on Quality Improvement, 20, 66-77.
75. **Hays, R. D.**, Marshall, G. N., Wang, E. Y. I., & Sherbourne, C. D. (1994). Four-year cross-lagged associations between physical and mental health in the Medical Outcomes Study. Journal of Consulting and Clinical Psychology, 62, 441-449.
76. Stewart, A. L., **Hays, R. D.**, Wells, K. B., Rogers, W. H., Spritzer, K. L., & Greenfield, S. (1994). Long-term functioning and well-being outcomes associated with physical activity and exercise in patients with chronic conditions in the Medical Outcomes Study. Journal of Clinical Epidemiology, 47, 719-730.
77. **Hays, R. D.**, Bell, R. M., Hill, L. L., Gillogly, J. J., Lewis, M. W., Marshall, G. N., Nicholas, R. & Marlatt, G. A. (1994). The impact of response options and location in a microcomputer interview on drinking drivers' alcohol use self-reports. Alcohol and Alcoholism, 29, 203-209.
78. Vickrey, B. G., **Hays, R. D.**, Rausch, R., Sutherling, W. W., Engel, J., & Brook, R. H. (1994). Quality of life of epilepsy surgery patients compared with outpatients with hypertension, diabetes, heart disease, and/or depressive symptoms. Epilepsia, 35, 597-607.
79. Bozzette, S. A., **Hays, R. D.**, Berry, S., & Kanouse, D. (1994). A perceived health index for use in persons with advanced HIV disease: Derivation, reliability, and validity. Medical Care, 32, 716-731.
80. Rabiner, D. J., Shugars, D. A., & **Hays, R. D.** (1994). A short-form measure of dentists' satisfaction. Evaluation and Program Planning, 17, 271-275.

81. Marshall, G. N., **Hays, R. D.**, & Nicholas, R. (1994). Evaluating agreement between clinical assessment methods. International Journal of Methods in Psychiatric Research, 4, 249-257.
82. **Hays, R. D.**, Bell, R. M., Damush, T., Hill, L., DiMatteo, M. R., & Marshall, G. (1994). Do response options influence self-reports of alcohol use? International Journal of the Addictions, 29, 1909-1920.
83. **Hays, R. D.**, Kravitz, R. L., Mazel, R. M., Sherbourne, C. D., DiMatteo, M. R., Rogers, W. H., & Greenfield, S. (1994). The impact of patient adherence on health outcomes for patients with chronic disease in the Medical Outcomes Study. Journal of Behavioral Medicine, 17, 347-360.
84. Sherbourne, C. D., Wells, K. B., Rogers, W., **Hays, R. D.**, & Burnam, M. A., & Judd, L. L. (1994). Subthreshold depression and depressive disorder: Clinical characteristics of general medical and mental health specialty outpatients. American Journal of Psychiatry, 151, 1777-1784.
85. **Hays, R. D.**, Kallich, J. D., Mapes, D. L., Coons, S. J., & Carter, W. B. (1994). Development of the Kidney Disease Quality of Life (KDQOL) Instrument. Quality of Life Research, 3, 329-338.
86. Coulter, I. D., **Hays, R. D.**, & Danielson, C. (1994). The Chiropractic Satisfaction Questionnaire. Topics in Clinical Chiropractic, 1, 40-43.
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