

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	RAND (Affiliated Adjunct Researcher) Health Program 1776 Main Street Santa Monica, CA 90407-2138
Business Phone:	(310) 794-2294	(310) 393-0411
Business Fax:	(310) 794-0732	(310) 393-4818
Email Address:	drhays@ucla.edu	
Orchid ID:	https://orcid.org/0000-0001-6697-907X	

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 – 1999	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)
- 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 Aalice P. Villatoro, “Mental illness careers of racial-ethnic minorities in the United States: The case of perceived need for mental health care.”
- 2013 Srinkivasu 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.”

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
- 2010-2019 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
- 2011-2020 Special Methodology Panel, Journal of General Internal Medicine
- 2013-2017 Editorial Board, Health <http://www.scirp.org/journal/health/>
- 2016-2020 Editorial Board, Applied Research in Quality of Life
- 2020 Co-Editor-in-Chief, Journal of Patient-reported Outcomes

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

- | | |
|--|--|
| 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 Preventive Medicine (2006), |
| American Journal of Public Health (2018), | Annals of Behavioral Medicine (2001), |

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),

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

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 Aging and Health (2011),

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),
Value in Health (2012, 2017, 2019),

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),
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, 2016	Thomas Reuters highly cited researcher
2017-2019	Clarivate Analytics (formerly Thomson Reuters) highly cited researcher
2018	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, 2104
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 o 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., & Keesey, 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 infarction. 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, PN (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., Rumman, 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 RCM 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. (2020, May). Development of patient and healthcare provider survey instruments to measure adherence, persistence and treatment satisfaction with calcimetic treatment in patients on hemodialysis. International Society of Pharmacoeconomics and Outcomes Research annual meeting, Orlando, FL.
243. (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.

244. 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.

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, I6, 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.
87. Reuben, D. B., Billitti, E., **Hays, R. D.**, & Lim, M. E. (1994). Predictors of patient refusal to participate in ambulatory-based comprehensive geriatric assessment. Journal of Gerontology: Medical Sciences, 49, M209-M215.
88. Litwin, M., **Hays, R. D.**, Fink, A., Ganz, P. A., Leake, B., Leach, G. E., & Brook, R. H. (1995). Quality of life outcomes in men treated for localized prostate cancer. Journal of the American Medical Association, 273, 129-135.
89. **Hays, R. D.**, Wells, K.B., Sherbourne, C. B., Rogers, W. H., & Spritzer, K. (1995). Functioning and well-being outcomes of patients with depression compared to chronic general medical illness. Archives of General Psychiatry, 52, 11-19.
90. Reuben, D. B., Valle, L. A., **Hays, R. D.**, & Siu, A. L. (1995). Measuring physical function in community-dwelling older persons: A comparison of self-administered, interviewer-administered, and performance-based measures. Journal of the American Geriatrics Society, 43, 17-23.
91. Vickrey, B., **Hays, R. D.**, Engel, J., Spritzer, K., Rogers, W., Rausch, R., Graber, J., & Brook, R. (1995). Outcome assessment for epilepsy surgery: The impact of measuring health-related quality of life. Annals of Neurology, 37, 158-166.
92. Bozzette, S. A., **Hays, R. D.**, Wu, A. W., Berry, S.H., & Kanouse, D. (1995). Derivation and psychometric properties of a brief health-related quality of life instrument for HIV disease. Journal of Acquired Immunodeficiency Syndromes and Human Retrovirology, 8, 253-265.
93. Lewis, M. W., Merz, J., **Hays, R. D.**, & Nicholas, R. (1995). Perceptions of intoxication and impairment at arrest among adults convicted of driving under the influence of alcohol. Journal of Drug Issues, 25, 141-160.
94. Cunningham, W. E., Bozzette, S. A., **Hays, R. D.**, Kanouse, D. E., & Shapiro, M. F. (1995). Comparison of health-related quality of life in clinical trial and non-clinical trial Human Immunodeficiency Virus-Infected cohorts. Medical Care, 33, AS15-AS25.
95. **Hays, R. D.**, Vickrey, B., Hermann, B., Perrine, K., Cramer, J., Meador, K., Spritzer, K., & Devinsky, O. (1995). Agreement between self reports and proxy reports of quality of life in epilepsy patients. Quality of Life Research, 4, 159-168.

96. Reuben, D. B., Wong, R. C., Walsh, K. E., & **Hays, R. D.** (1995). Feasibility and accuracy of a postcard diary system for tracking health care utilization of community-dwelling older persons. Journal of the American Geriatrics Society, 43, 550-552.
97. Sherbourne, C. D., **Hays, R. D.**, & Wells, K. B. (1995). Personal and psychosocial risk factors for physical and mental health outcomes and course of depression among depressed patients. Journal of Consulting and Clinical Psychology, 63, 345-355.
98. Vickrey, B. G., **Hays, R. D.**, Harooni, R., Myers, L. W., & Ellison, G. W. (1995). A health-related quality of life measure for multiple sclerosis. Quality of Life Research, 4, 187-206.
99. **Hays, R. D.**, Merz, J. F., & Nicholas, R. (1995). Response burden, reliability, and validity of the CAGE, Short-MAST, and AUDIT alcohol screening measures. Behavior Research Methods, Instruments, & Computers, 27, 277-280.
100. Cunningham, W. E., **Hays, R. D.**, Williams, K. W., Beck, K., Dixon, W. J., & Shapiro, M. F. (1995). Access to medical care and health-related quality of life for low income persons with symptomatic human immunodeficiency virus. Medical Care, 33, 739-754.
101. Nelson, E. C., Greenfield, S., **Hays, R. D.**, Larson, C., Leopold, B., & Batalden, P. B. (1995). Comparing outcomes and charges for patients with acute myocardial infarction in three community hospitals: An approach for assessing "value." International Journal for Quality in Health Care, 7, 95-108.
102. Lee, P. P., Whitcup, S., **Hays, R. D.**, Spritzer, K., & Javitt, J. (1995). The relationship between visual acuity and functioning and well-being among diabetics. Quality of Life Research, 4, 319-323.
103. Kerr, E. A., Mittman, B. S., **Hays, R. D.**, Siu, A. L., Leake, B., & Brook, R. H. (1995). Managed care and capitation in California: How do physicians at financial risk control their own utilization? Annals of Internal Medicine, 123, 500-504.
104. Mertz, H., Beck, K., Dixon, W., Esquivel, A., **Hays, R. D.**, & Shapiro, M. (1995). Validation of a new measure of diarrhea. Digestive Diseases and Sciences, 40, 1873-1882.
105. **Hays, R. D.**, Cunningham, W. E., Ettl, M. K., Beck, C. K., & Shapiro, M. F. (1995). Health-related quality of life in HIV disease. Assessment, 2, 363-380.
106. Schnelle, J. F., Keeler, E., **Hays, R. D.**, Simmons, S., Ouslander, J. G., & Siu, A. L. (1995). A cost and value analysis of two interventions with incontinent nursing home residents. Journal of the American Geriatrics Society, 43, 1112-1117.
107. Perrine, K., Hermann, B. P., Meador, K. J., Vickrey, B. G., Cramer, J. A., **Hays, R. D.**, & Devinsky, O. (1995). The relationship of neuropsychological functioning to quality of life in epilepsy. Archives of Neurology, 52, 997-1003.
108. Devinsky, O., Vickrey, B. G., Cramer, J., Perrine, K., Hermann, B., Meador, K., & **Hays, R. D.** (1995). Development of the Quality of Life in Epilepsy (QOLIE) Inventory. Epilepsia, 36, 1089-1104.
109. Vickrey, B. G., **Hays, R. D.**, Rausch, R., Engel, J., Visscher, B. R., Ary, C. M., Rogers, W. H., & Brook, R. H. (1995). Outcomes in 248 patients who had diagnostic evaluations for epilepsy surgery. Lancet, 346, 1445-1449.

110. **Hays, R. D.**, & Ellickson, P. L. (1996). Associations between drug use and deviant behavior in teenagers. Addictive Behaviors, 21, 291-302.
111. Kravitz, R. L., Delafield, J. P., **Hays, R. D.**, Drazin, R., & Connolly, M. (1996). Bedside charting of pain levels in hospitalized patients with cancer: A randomized controlled trial. Journal of Pain and Symptom Management, 11, 81-87.
112. Coulter, I. D., Danielson, C. D., & **Hays, R. D.** (1996). Measuring Chiropractic Practitioner Satisfaction. Topics in Clinical Chiropractic, 3, 65-70.
113. Coulter, I. D., **Hays, R. D.**, & Danielson, C. D. (1996). The role of the chiropractor in the changing health care system: From marginal to mainstream. Research in the Sociology of Health Care, 13a, 95-117.
114. Marshall, G. N., **Hays, R. D.**, & Mazel, R. M. (1996). Health status and satisfaction with medical care: Results from the Medical Outcomes Study. Journal of Consulting and Clinical Psychology, 64, 380-390.
115. Reuben, D. B., Maly, R. C., Hirsch, S. H., Frank, J. C., Oakes, A. M., Siu, A. L., & **Hays, R. D.** (1996). Physician implementation of and patient adherence to recommendations from comprehensive geriatric assessment. American Journal of Medicine, 100, 444-451.
116. Cunningham, W. E., Mosen, D. M., **Hays, R. D.**, Andersen, R. M., & Shapiro, M. F. (1996). Access to community-based medical services and number of hospitalizations among patients with HIV disease: Are they related? Journal of Acquired Immunodeficiency Syndromes and Human Retrovirology, 13, 341-349.
117. **Hays, R. D.**, Siu, A. L., Keeler, E., Marshall, G. N., Kaplan, R. M., Simmons, S., El Mouchi, D., & Schnelle, J. (1996). Long-term care residents' preferences for health states on the Quality of Well-being Scale. Medical Decision Making, 16, 254-261.
118. Kerr, E. A., Mittman, B. S., **Hays, R. D.**, Leake, B., & Brook, R. H. (1996). Quality assurance in capitated physician groups: Where is the emphasis? Journal of the American Medical Association, 276, 1236-1239.
119. Ellickson, P. L., McGuigan, K. A., Adams, V., Bell, R. M., & **Hays, R. D.** (1996). Teenagers and alcohol misuse: By any definition, it's a big problem. Addiction, 91, 1489-1503.
120. Hermann, B. P., Vickrey, B., **Hays, R. D.**, Cramer, J., Devinsky, O., Meador, K., Perrine, K., Myers, L. W., & Ellison, G. W. (1996). A comparison of health-related quality of life in patients with epilepsy, diabetes and multiple sclerosis. Epilepsy Research, 25, 113-118.
121. Baker, D. W., **Hays, R. D.**, & Brook, R. H. (1997). Understanding changes in health status: Is the floor phenomenon merely the last step of the staircase? Medical Care, 35, 1-15.
122. Froehlich, F., Thorens, J., Schwizer, W., Preisig, M., Kohler, M., **Hays, R. D.**, Fried, M., & Gonvers, J. (1997). Sedation and analgesia for colonoscopy: Patient tolerance, pain and cardiorespiratory parameters. Gastrointestinal Endoscopy, 45, 1-9.

123. Damush, T. M., **Hays, R. D.**, & DiMatteo, M. R. (1997). Stressful life events and health-related quality of life in college students. Journal of College Student Development, 38, 181-190.
124. Lee, P. P., **Hays, R. D.**, Spritzer, K., & Brook, R. H. (1997). The impact of blurred vision on functioning and well-being. Ophthalmology, 104, 391-396.
125. Johnson, J. A., Coons, S. J., **Hays, R. D.**, Sabers, D., Jones, P., & Langley, P. C. (1997). A comparison of satisfaction with mail versus traditional pharmacy services. Journal of Managed Care Pharmacy, 3, 327-337.
126. Moore, A. A., Siu, A. L., Partridge, J. M., **Hays, R. D.**, & Adams, J. (1997). A randomized trial of office-based screening for common problems in older persons. American Journal of Medicine, 102, 371-378.
127. **Hays, R. D.**, Bell, R. M., Gillogly, J. J., Hill, L., Giroux, D., Davis, C., Lewis, M. W., Damush, T. M., & Nicholas, R. (1997). Impact of response options and feedback about response inconsistencies on alcohol use self-reports by microcomputer. Journal of Alcohol and Drug Education, 42, 1-18.
128. Vickrey, B. G., **Hays, R. D.**, Genovese, B. J., Myers, L. W., & Ellison, G. W. (1997). Comparison of a generic to disease-targeted health-related quality-of-life measures for multiple sclerosis. Journal of Clinical Epidemiology, 50 (5), 557-569.
129. Kerr, E. A., **Hays, R. D.**, Mittman, B. S., Siu, A. L., Leake, B., & Brook, R. H. (1997). Primary care physicians' satisfaction with quality of care in California capitated medical groups. Journal of the American Medical Association, 278 (4), 308-312.
130. Cunningham, W. E., Rana, H. M., Shapiro, M. F., & **Hays, R. D.** (1997). Reliability and validity of self-report CD4 counts in persons hospitalized with HIV disease. Journal of Clinical Epidemiology, 50, 829-835.
131. McGuigan, K. A., Ellickson, P. L., **Hays, R. D.**, & Bell, R. M. (1997). Adjusting for attrition in school-based samples: Bias, precision, and cost trade-offs of three methods. Evaluation Review, 21, 554-567.
132. Johnson, J. A., Coons, S. J., & **Hays, R. D.** (1998). The structure of satisfaction with pharmacy services. Medical Care, 36, 244-250.
133. Kerr, E. A., **Hays, R. D.**, Lee, M. L., & Siu, A. L. (1998). Does dissatisfaction with access to specialists affect the desire to leave a managed care plan? Medical Care Research and Review, 55, 59-77.
134. Coons, S. J., Alabdulmohsin, S. A., Draugalis, J. R., & **Hays, R. D.** (1998). Reliability of an Arabic Version of the RAND 36-Item Health Survey and its equivalence to the US-English Version Medical Care, 36, 428-432.
135. Cunningham, W. E., **Hays, R. D.**, Ettl, M. K., Dixon, W. J., Beck, C. K., & Shapiro, M. F. (1998). The prospective effect of access to medical care on health-related quality of life outcomes in patients with symptomatic HIV disease. Medical Care, 36, 295-306.
136. **Hays, R. D.**, Brown, J. A., Spritzer, K. L., Dixon, W. J., & Brook, R. H. (1998). Member ratings of health care provided by 48 physician groups. Archives of Internal Medicine, 158, 785-790.

137. Cunningham, W. E., Shapiro, M. F., **Hays, R. D.**, Dixon, W. J., Visscher, B.R., George, W. L., Ettl, M. K., & Beck, K. (1998). Constitutional symptoms and quality of life in symptomatic HIV disease. American Journal of Medicine, 104, 129-136.
138. Litwin, M. S., **Hays, R. D.**, Fink, A., Ganz, P. A., Leake, B., & Brook, R. H. (1998). The UCLA Prostate Cancer Index: Development, reliability, and validity of a health-related quality of life measure. Medical Care, 36, 1002-1012.
139. Lee, P. P., Meredith, L. S., Whitcup, S. M., Spritzer, K., & **Hays, R.D.** (1998). A comparison of self-reported utilization of ophthalmic care for diabetes in managed care versus fee-for-service. Retina, 18, 356-359.
140. Mangione, C. M., Lee, P. P., Pitts, J., Gutierrez, P., Berry S., & **Hays, R. D.** (1998). Psychometric properties of the National Eye Institute Visual Function Questionnaire, the NEI-VFQ. Archives of Ophthalmology, 116, 1496-1504.
141. Bhasin, S., Storer, T.W., Asbel-sethi, N., Kilbourne, A., **Hays, R.**, Sinha-Hikim, I., Shen, R., Arver, S., & Beall, G. (1999). Effects of testosterone replacement with a non-genital, transdermal system, androderm, in human immunodeficiency virus-infected men with low testosterone levels. Journal of Clinical Endocrinology and Metabolism, 83, 3155-3162.
142. Bozzette, S. A., Berry, S. H., Duan, N., Frankel, M. R., Leibowitz, A. A., Lefkowitz, D., Emmons, C-A., Senterfitt, J. W., Berk, M. L., Morton, S. C., Shapiro, M. F., Andersen, R. M., Cunningham, W. E., Marcus, M., Wenger, N.S., Athey, L. A., Smith, S. M., Bing, E. G., Brown, J.A., Burnam, M. A., Goldman, D. P., Kanouse, D. E., Keesey, J. W., McCaffrey, D. F., Perlman, J. F., Schuster, M. A., Cleary, P. D., Fleishman, J. A., **Hays, R. D.**, McCutchan, J. A., & Richman, D. (1998). The care of HIV-infected adults in the United States. New England Journal of Medicine, 339, 1897-1904.
143. Parkerson, G. R., Willke, R. J., & **Hays, R. D.** (1999). An international comparison of the reliability and responsiveness of the Duke Health Profile for measuring health-related quality of life of patients treated with alprostadil for erectile dysfunction. Medical Care, 37, 56-67.
144. Moore, A. A., Morton, S. C., Beck, J. C., **Hays, R. D.**, Oishi, S. M., Partridge, J. M., Genovese, B. J., & Fink, A. (1999). A new paradigm of alcohol use in older persons. Medical Care, 37, 165-179.
145. Brown, J. A., Nederend, S. E., **Hays, R. D.**, Short, P. F., & Farley, D. O. (1999). Special issues in assessing care of Medicaid recipients. Medical Care, 37, MS79-88.
146. Schnaier, J. A., Sweeny, S. F., Williams, V.S.L., Kosiask, B., Lubalin, J. S., **Hays, R. D.**, & Harris-Kojetin, L. (1999). Special issues addressed in the CAHPS™ Survey of Medicare managed care beneficiaries. Medical Care, 37, MS69-78.
147. **Hays, R. D.**, Shaul, J. A., Williams, V. S. L., Lubalin, J. S., Harris-Kojetin, L., Sweeny, S. F., & Cleary, P. D. (1999). Psychometric properties of the CAHPS™ 1.0 Survey measures. Medical Care, 37, MS22-31.
148. Wasson, J. H., Stukel, T. A., Weiss, J. E., **Hays, R.**, Jette, A. M., & Nelson, E. C. (1999). A randomized trial of use of patient self-assessment data to improve community practices. Effective Clinical Practice, 2, 1-10.

149. Johnson, J. A., Coons, S. J., **Hays, R. D.**, & Pickard, A. S. (1999). Health status and satisfaction with pharmacy services. American Journal of Managed Care, 5, 163-170.
150. Kerr, E. A., **Hays, R. D.**, Mitchison, A., Lee, M., & Siu, A. L. (1999). The influence of gatekeeping and utilization review to control access to specialists on patient satisfaction with care. Journal of General Internal Medicine, 14, 287-296. PMID: PMC1496580.
151. Morales, L. S., Cunningham, W. E., Brown, J. A., Liu, H., & **Hays, R. D.** (1999). Are Latinos less satisfied with communication from health care providers? Journal of General Internal Medicine, 14, 409-417. PMID: PMC1496614.
152. Shapiro, M. F., Morton, S. C., McCaffrey, D.F., Senterfitt, J.W., Fleishman J, A., Perlman, J.F., Athey, L.A., Keeseey, J.W., Goldman D.P., Berry S.H., Bozzette S.A., Andersen, R. M., Cunningham, W. E., **Hays, R. D.**, Leibowitz, A. A., Marcus, M., et al. (1999). Variations in the care of HIV-infected adults in the United States: Results from the HIV Cost and Services Utilization Study. Journal of the American Medical Association, 281(24), 2305-15.
153. Justice, A. C., Rabeneck, L., **Hays, R.**, Wu, A. W., & Bozzette, S. A. (1999). The sensitivity, reliability, and clinical validity of provider-reported symptoms: A comparison with self-report. Journal of Acquired Immune Deficiency Syndromes, 21, 126-133.
154. Moore, A. A., **Hays, R. D.**, Greendale, G. A., Damesyn, M., & Reuben, D. B. (1999). Drinking habits among older persons: Findings from the NHANES I Epidemiologic Followup Study (1982-84). Journal of the American Geriatric Society, 47, 412-416.
155. Globe, D. R., Cunningham, W. E., & **Hays, R. D.** (1999). Associations of clinical parameters with health-related quality of life in hospitalized persons with HIV disease. AIDS Care, 11, 71-86.
156. Olufade, A. O., Shaw, J. W., Foster, S. A., Leischow, S. J., **Hays, R. D.**, & Coons, S. J. (1999). Development of the smoking cessation quality of life (SCQoL) questionnaire. Clinical Therapeutics, 21, 2113-2130.
157. Cunningham, W., Burton, T., **Hays, R. D.**, & Kington, R. (1999). Use of relevancy ratings by target respondents to develop health-related quality of life measures: An example with African American elderly. Quality of Life Research, 8, 749-768.
158. Cunningham, W. E., **Hays, R. D.**, Burton, T. M., & Kington, R. S. (2000). Health status measurement and health status differences by age, ethnicity and gender: Assessment in the Medical Outcomes Study. Journal of Health Care for the Poor and Underserved, 11, 58-76.
159. Sherbourne C.D., **Hays R.D.**, Fleishman J.A., Vitiello, B., Magruder, K. M., Bing, E. G., McCaffrey, D., Burnam, A., Longshore, D., Eggan, F., Bozzette, S. A., & Shapiro, M.F. (2000) Associations of psychiatric conditions with health-related quality of life in persons with HIV infection. American Journal of Psychiatry, 157, 248-254.
160. Bhasin, S., Storer, T. W., Javanbakht, M., Berman, N., Yarasheski, K. E., Phillips, J., Dike, M. Sinha-Hikim, I., Shen, R., **Hays, R. D.**, & Beall, G. (2000). Effects of testosterone replacement and resistance exercise on muscle strength and body composition in human immunodeficiency virus-infected men with weight loss and low

- testosterone levels. Journal of the American Medical Association, 283, 763-770. PMID: PMC3173037.
161. Vickrey, B.G., **Hays, R.D.**, & Beckstrand, M. (2000). Development of a health-related quality of life measure for peripheral neuropathy. Neurorehabilitation and Neural Repair, 14, 93-104.
 162. Cunningham, W. E., Mosen, D. M., Morales, L. S., Andersen, R. M., Shapiro, M. F., & **Hays, R. D.** (2000). Ethnic and race differences in long-term survival from hospitalization for HIV disease. Journal of Health Care for the Poor and Underserved, 11 (2), 163-178.
 163. Kerr, E.A., Mittman, B.S., **Hays, R.D.**, Zemencuk, J.K., Pitts, J., & Brooks, R.H. (2000). Associations between primary care physician satisfaction and self-reported aspects of utilization management. Health Services Research, 35, 333-349. PMID: PMC1815385.
 164. Morales, L., Reise, S., & **Hays, R.D.** (2000). Evaluating the equivalence of health care ratings by whites and Hispanics. Medical Care, 38, 517-527.
 165. Birbeck, G. L., Kim, S., **Hays, R. D.**, & Vickrey B. G. (2000). Quality of life measures in epilepsy: How well can they detect change over time?. Neurology, 54, 1822-1827.
 166. Snyder, R., Cunningham, W., Nakazono, T. T., & **Hays, R. D.** (2000). Access to medical care reported by Asians and Pacific Islanders in a West Coast physician group association. Medical Care Research and Review, 57, 196-215.
 167. Bell, D. S., Fonarow, G. C., **Hays, R. D.**, & Mangione, C. M. (2000). Self-study from web-based and printed guideline materials: A randomized, controlled trial among resident physicians. Annals of Internal Medicine, 132, 938-946.
 168. **Hays, R. D.**, Cunningham, W. E., Sherbourne, C. D., Wilson, I. B., Wu, A. W., Cleary, P. D., McCaffrey, D. F., Fleishman, J. A., Crystal, S. C., Collins, R., Eggan, F., Shapiro, M. F., & Bozzette, S. A. (2000). Health-related quality of life in patients with Human Immunodeficiency Virus Infection in the United States: Results from the HIV Cost and Services Utilization Study. American Journal of Medicine, 108, 714-722.
 169. Fleishman, J. A., Sherbourne, C. D., Crystal, S., Collins, R. L., Marshall, G. N., Kelly, M., Bozzette, S. A., Shapiro, M. F., & **Hays, R. D.** (2000). Coping, conflictual social interactions, social support and mood among HIV-infected persons. American Journal of Community Psychology, 28, 421-453.
 170. Collins, R. L., Ellickson, P. L., & **Hays, R. D.**, & McCaffrey, D. F. (2000). Effects of incentive size and timing on response rates to a follow-up wave of a longitudinal mailed survey. Evaluation Review, 24, 347-363.
 171. Bing, E. G., **Hays, R. D.**, Jacobson, L. P., Chen, B., Gange, S. J., Kass, N. E., Chmiel, J. S., & Zucconi, S. L. (2000). Health-related quality of life among people with HIV disease: Results from the Multicenter AIDS cohort study. Quality of Life Research, 9, 55-63.
 172. **Hays, R. D.**, Morales, L. S., & Reise, S. P. (2000). Item Response Theory and Health Outcomes Measurement in the 21st Century. Medical Care, 38 (Suppl.), II-28-II-42.

173. Coulter, I.D., Hurwitz, E. L., Spritzer, K., Genovese, B. J., & **Hays, R. D.** (2000). A chiropractic supplemental item set for the Consumer Assessment of Health Plans Study. Topics in Clinical Chiropractic, 7, 50-56.
174. Moore, A. A., **Hays, R. D.**, Reuben, D. B., & Beck, J. C. (2000). Using a criterion standard to validate the Alcohol-Related Problems Survey (ARPS): A screening measure to identify harmful and hazardous drinking in older persons. Aging: Clinical and Experimental Research, 12, 221-227.
175. Gralnek, I. M., **Hays, R. D.**, Kilbourne, A., Naliboff, B., & Mayer, E. A. (2000). The impact of irritable bowel syndrome on health-related quality of life. Gastroenterology, 119, 654-660.
176. Rao, S., Carter, W. B., Mapes, D. L., Kallich, J. D., Kamberg, C. J., Spritzer, K. L., & **Hays, R. D.** (2000). Development of subscales from the symptom/problems and effects of kidney-disease items in the Kidney Disease Quality of Life (KDQOL™) instrument. Clinical Therapeutics, 22, 1099-1111.
177. Shen, J., Wenger, N., Glaspy, J., **Hays, R. D.**, Albert, P., Choi, C., & Shekelle, P. S. (2000). Electroacupuncture for control of myeloablative chemotherapy-induced emesis: A randomized controlled trial. Journal of the American Medical Association, 284, 2755-2761.
178. Spranca, M., Kanouse, D. E., Elliott, M., Short, P. F., Farley, D. O., & **Hays, R. D.** (2000). Do consumer reports of health plan quality affect health plan selection? Health Services Research, 35, 933-947.
179. Crystal, S, Fleishman, J. A., **Hays, R. D.**, Shapiro, M. F., & Bozzette, S. A. (2000). Physical and role functioning among persons with HIV: Results from a nationally representative survey. Medical Care, 38, 1210-1223.
180. Saliba, D., Orlando, M., Wenger, N. S., **Hays, R. D.**, & Rubenstein, L. Z. (2000). Identifying a short functional disability screen for older persons. Journal of Gerontology: Medical Sciences, 55A, M750-756.
181. Gralnek, I. M., **Hays, R. D.**, Kilbourne, A., Kim, S., Rosen, H. R., Keeffe, E. B., Artinian, L., Lazarovici, D., Jensen, D. M., Busuttill, R. W., & Martin, P. (2000). Development and evaluation of the Liver Disease Quality of Life Instrument in persons with advanced, chronic liver disease—The LDQOL 1.0. American Journal of Gastroenterology, 95, 3552-3565.
182. Oishi, S. M., Morton, S. C., Moore, A. A., Beck, J. C., **Hays, R. D.**, Spritzer, K., Partridge, J. M., & Fink, A. (2001). Using data to enhance the expert panel process: Rating indicators of alcohol-related problems in older adults. International Journal of Technology Assessment in Health Care, 17, 125-136.
183. Derose, K. P., K., **Hays, R. D.**, McCaffrey, D. F., & Baker, D. W. (2001). Does physician gender affect satisfaction of men and women visiting the emergency department? Journal of General Internal Medicine, 16, 218-226.
184. **Hays, R. D.**, & Ellickson, P. L. (2001). Comparison of the Rost and the CAGE alcohol screening instruments in young adults. Substance use and Misuse, 36, 639-651.

185. Lorenz, K., Shapiro, M., Asch, S., Bozzette, S., & **Hays, R. D.** (2001). Associations of symptoms and health-related quality of life (HRQOL): Findings from a national survey of persons with HIV infection. Annals of Internal Medicine, 134, 854-860.
186. Liu, H., Golin, C. E., Miller, L. G., **Hays, R. D.**, Beck, C. K., Sanandaji, S., Christian, J., Maldonado, T., Duran, D., Kaplan, A. H., & Wenger, N. S. (2001). How best to measure medication adherence? A comparison study of multiple measures of adherence to inhibitors of the HIV protease. Annals of Internal Medicine, 134, 968-977.
187. Shaw, J. W., Coons, S. J., Foster, S. A., Leischow, S. J., & **Hays, R. D.** (2001). Responsiveness of the Smoking Cessation Quality of Life (SCQoL) questionnaire. Clinical Therapeutics, 23, 957-969.
188. Marshall, G. N., Morales, L. S., Elliott, M., Spritzer, K., & **Hays, R. D.** (2001). Confirmatory factor analysis of the Consumer Assessment of Health Plans Study (CAHPS) 1.0 core survey. Psychological Assessment, 13, 216-229.
189. **Hays, R. D.**, & Morales, L. S. (2001). The RAND-36 measure of health-related quality of life. Annals of Medicine, 33, 350-357.
190. Morales, L. S., Elliott, M. N., Weech-Maldonado, R., Spritzer, K.L., & **Hays, R. D.** (2001). Differences in CAHPS® adult survey ratings and reports by race and ethnicity: An analysis of the National CAHPS® Benchmarking Data 1.0. Health Services Research, 36, 595-617.
191. Elliott, M. N., Swartz, R., Adams, J., Spritzer, K. L., & **Hays, R. D.** (2001). Case-mix adjustment of the National CAHPS® Benchmarking Data 1.0: A violation of model assumptions? Health Services Research, 36, 555-573.
192. Weech-Maldonado, R., Morales, L. S., Spritzer, K., Elliott, M., & **Hays, R. D.** (2001). Racial and ethnic differences in parents' assessments of pediatric care in Medicaid managed care. Health Services Research, 36, 575-594.
193. Green, J., Fukuhara, S., Shinzato, T., Miura, Y., Wada, S., **Hays, R. D.**, Tabata, R., Otsuka, H., Takai, I., Maeda, K., & Kurokawa, K. (2001). Translation, cultural adaptation, and initial reliability and multitrait testing of the Kidney Disease Quality of Life instrument for use in Japan. Quality of Life Research, 10, 93-100.
194. Mangione, C. M., Lee, P. P., Gutierrez, P. R., Spritzer, K., Berry, S., & **Hays, R. D.** (2001). Development of the 25-item National Eye Institute Visual Function Questionnaire (VFQ-25). Archives of Ophthalmology, 119, 1050-1058.
195. Sarkisian, C. A., **Hays, R. D.**, Berry, S. H., & Mangione, C. M. (2001). Expectations regarding aging among adults and physicians who care for older adults. Medical Care, 39, 1025-1036.
196. Paige, N. M., **Hays, R. D.**, Litwin, M. S., Rajfer, J., & Shapiro, M. F. (2001). Improvement in emotional well-being and relationships among users of Sildenafil. Journal of Urology, 166, 1774-1778.
197. Orlando, M., Burnam, M. A., Sherbourne, C. D., Morton, S. C., London, A. S., **Hays, R. D.**, & Bing, E. G. (2001). Brief screening of psychiatric disorders among a national sample of HIV-positive adults: Concordance between the Composite International

Diagnostic Interview (CIDI) and the CIDI Short Form (CIDI-SF). International Journal of Methods in Psychiatric Research, 10, 97-107.

198. Wong, M. D., Andersen, R., Sherbourne, C. D., **Hays, R. D.**, & Shapiro, M. F. (2001). Effects of cost sharing on care seeking and health status: Results from the Medical Outcomes Study. American Journal of Public Health, 91, 1889-1894.
199. Kroenke, K., West, S. L., Swindle, R., Gilsean, A., Eckert, G. J., Dolor, R., Stang, P., Zhou, X., **Hays, R.**, & Weinberger, M. (2001). Similar effectiveness of Paroxetine, Fluoxetine, and Sertraline in primary care. Journal of the American Medical Association, 286, 2947-2955.
200. Cheng, E. M., **Hays, R. D.**, Myers, L. W., Ellison, G. W., Beckstrane, M., & Vickrey, B. G. (2001). Factors related to agreement between self-reported and conventional expanded disability status scale (EDSS) scores. Multiple Sclerosis, 7, 405-410.
201. Fink, A., Tsai, M., **Hays, R. D.**, Moore, A. A., Morton, S. C., Spritzer, K., & Beck, J. C. (2002). Comparing the Alcohol-Related Problems Survey (ARPS) to traditional alcohol screening instruments in elderly outpatients. Archives of Gerontology and Geriatrics, 34, 55-78.
202. Coulter, I.D., Hurwitz, E.L., Adams, A.H. Adams, A. H., Genovese, B.J., **Hays, R.D.**, & Shekelle, P.G. (2002). Patients using chiropractors in North American: Who are they, and why are they in chiropractic care? Spine, 27, 291-298.
203. Miller, L. G., Liu, H., **Hays, R. D.**, Golin, C. E., Beck, C. K., Asch, S. M., Ma, Y., Kaplan, A. H., & Wenger, N. S. (2002). How well do clinicians estimate patients' adherence to combination antiretroviral therapy? Journal of General Internal Medicine, 17, 1-11. PMID: PMC1494993
204. Coulter, I., Heslin, K. C., Marcus, M., **Hays, R. D.**, Freed, J., Der-Martirosian, C., Guzman-Becerra, N., Cunningham, W. E., Andersen, R. M., & Shapiro, M. F. (2002). Associations of self-reported oral health with physical and mental health in a nationally representative sample of HIV persons receiving medical care. Quality of Life Research, 11, 57-70.
205. Sloan, J. A., Cella, D., Frost, M., Guyatt, G. H., Sprangers, M., Symonds, T., & the **Clinical Significance Consensus Meeting Group**. (2002). Assessing clinical significance in measuring oncology patient quality of life: Introduction to the symposium, content overview and definition of terms. Mayo Clinic Proceedings, 77, 367-370.
206. Guyatt, G. H., Osoba, D., Wu, A. W., Wyrwich, K.W., Norman, G. R., & the **Clinical Significance Consensus Meeting Group**. (2002). Methods to explain the clinical significance of health status measures. Mayo Clinic Proceedings, 77, 371-383.
207. Cella, D., Bullinger, M., Scott, C., Barofsky, I., & the **Clinical Significance Consensus Meeting Group**. (2002). Group versus individual approaches to understanding the clinical significance of differences or changes in quality of life. Mayo Clinic Proceedings, 77, 384-392.
208. Damiano, P. C., Willard, J. C., Tyler, M. C., Momany, E. T., **Hays, R. D.**, Kanouse, D. E., & Farley, D. O. (2002). CAHPS® in practice: The Iowa demonstration. Journal of Ambulatory Care Management, 25, 32-42.

209. Birbeck, G. L., **Hays, R. D.**, Cui, X., & Vickrey, B. G. (2002). Seizure reduction and quality of life improvements in people with epilepsy. Epilepsia, 43, 535-538.
210. Sloan, J. A., Aaronson, N., Cappelleri, J. C., Fairclough, D. L., Varricchio, C. & the **Clinical Significance Consensus Meeting Group**. (2002). Assessing the clinical significance of single items relative to summated scores. Mayo Clinic Proceedings, 77, 479-487.
211. Frost, M. H., Bonomi, A. E., Ferrans, C. E., Wong, G. Y., **Hays, R. D.**, & the **Clinical Significance Consensus Meeting Group**. (2002). Patient, clinician, and population perspectives on determining the clinical significance of quality-of-life scores. Mayo Clinic Proceedings, 77, 488-494.
212. Sprangers, M. A. G., Moinpour, C. M., Moynihan, T. J., Patrick, D. L., Revicki, D. A., & the **Clinical Significance Consensus Meeting Group**. (2002). Assessing meaningful change in quality of life over time: A users' guide for clinicians. Mayo Clinic Proceedings, 77, 561-571.
213. Symonds, T., Berzon, R., Marquis, P., Rummans, T. A., & the **Clinical Significance Consensus Meeting Group**. (2002). The clinical significance of quality-of-life results: Practical considerations for specific audiences. Mayo Clinic Proceedings, 77, 572-583.
214. Moore, A. A., Beck, J. C., Babor, T. F., **Hays, R.D.**, & Reuben, D. B. (2002). Beyond alcoholism: Identifying older, at-risk drinkers in primary care. Journal of Studies on Alcohol, 63, 316-324.
215. Farley, D. O., Short, P. F., Elliott, M. N., Kanouse, D. E., Brown, J.A., & **Hays, R. D.** (2002). Effects of CAHPS® health plan performance information on plan choices by New Jersey Medicaid beneficiaries. Health Services Research, 37, 985-1007. PMID: PMC1464003
216. Farley, D. O., Elliott, M. N., Short, P. F., Damiano, P., Kanouse, D. E., & **Hays, R. D.** (2002). Impact of CAHPS performance information on health plan choices by Iowa Medicaid beneficiaries. Medical Care Research and Review, 59, 319-336.
217. Sarkisian, C. A., **Hays, R. D.**, Berry, S., & Mangione, C. M. (2002). Development, reliability, and validity of the Expectations Regarding Aging (ERA-38) survey. Gerontologist, 42, 534-542.
218. Miller, L. G., Huffman, H. B., Weidmer, B. A., & **Hays, R. D.** (2002). Patient preferences regarding antiretroviral therapy. International Journal of Sexually Transmitted Diseases and AIDS, 13, 393-401.
219. Golin, C. E., Liu, H., **Hays, R. D.**, Miller, L. G., Beck, C. K., Ickovicks, J., Kaplan, A. H., & Wenger, N. S. (2002). A prospective study of predictors of adherence to combination antiretroviral medication. Journal of General Internal Medicine, 17, 756-765. PMID: PMC1495120
220. Miller, L. G., Golin, C. E., **Hays, R. D.**, Liu, H., Beck, C. K., Kaplan, A. H., & Wenger, N. S. (2002). The impact of antiretroviral regimen switches on adherence. HIV Clinical Trials, 3, 355-360.

221. Sarkisian, C. A., **Hays, R. D.**, & Mangione, C. M. (2002). Do older adults expect to age successfully? The association between expectations regarding aging and beliefs regarding healthcare seeking among older adults. Journal of the American Geriatrics Society, 50, 1837-1843.
222. Fink, A., Morton, S. C., Beck, J. C., **Hays, R. D.**, Spritzer, K., Oishi, S., & Moore, A. A. (2002). The alcohol-related problems survey: Identifying hazardous and harmful drinking in older primary care patients. Journal of the American Geriatrics Society, 50, 1717-1722.
223. Wilson, I. B., Ding, L., **Hays, R. D.**, Shapiro, M. F., Bozzette, S. A., & Cleary, P. D. (2002). HIV patients' experiences with inpatient and outpatient care: Results of a national survey. Medical Care, 40, 1149-1160.
224. Walters, B. A. J., **Hays, R. D.**, Spritzer, K. L., Fridman, M., & Carter, W. B. (2002). Health-related quality of life, depressive symptoms, anemia, and malnutrition at hemodialysis initiation. American Journal of Kidney Disease, 40, 1185-1194.
225. **Hays, R. D.**, Hahn, H., & Marshall, G. (2002). Use of the SF-36 and other health-related quality of life measures to assess persons with disabilities. Archives of Physical Medicine and Rehabilitation, 83, S4-S9.
226. Kim, S., **Hays, R.D.**, Birbeck, G.L., & Vickrey, B.G. (2003). Responsiveness of the Quality of Life in Epilepsy Inventory (QOLIE-89) in an antiepileptic drug trial. Quality of Life Research, 12, 147-155.
227. Dobalian, A., Andersen, R. M., Stein, J. A., **Hays, R. D.**, Cunningham, W. E., & Marcus, M. (2003). The impact of HIV on oral health and subsequent use of dental services. Journal of Public Health Dentistry, 63 (2), 78-85.
228. Haviland, M. G., Morales, L. S., Reise, S. P., & **Hays, R. D.** (2003). Do health care ratings differ by race/ethnicity? The Joint Commission Journal on Quality and Safety, 29, 134-145.
229. Cunningham, W.E., **Hays, R.D.**, Burton, T.M., Reuben, D.B., & Kington, R.S. (2003). Correlates of social function: A comparison of a black and white sample of older persons in Los Angeles. Journal of Applied Gerontology, 22, 3-18.
230. Marshall, G.N., Sherbourne, C.D., Meredith, L.S., Camp, P., & **Hays, R.D.** (2003). The tripartite model of anxiety and depression: Symptom structure in depressive and hypertensive patient groups. Journal of Personality Assessment, 80, 139-151.
231. Weech-Maldonado, R., Morales, L. S., Elliott, M., Spritzer, K. L., Marshall, G., & **Hays, R. D.** (2003). Race/ethnicity, language and patients' assessments of care in Medicaid managed care. Health Services Research, 38, 789-808. PMID: PMC1360917
232. Miller, L. G., Liu, H. H., **Hays, R. D.**, Golin, C. E., Ye, Z., Beck, C. K., Kaplan, A. H., & Wenger, N. S. (2003). Knowledge of antiretroviral regimen dosing and adherence: A longitudinal study. Clinical Infectious Diseases, 36, 514-518.
233. Yu, J., Coons, S. J., Draugalis, J. R., Ren, X. S., & **Hays, R. D.** (2003). Equivalence of the Chinese version and the U.S.-English version of the SF-36 Health Survey. Quality of Life Research, 12, 449-457.

234. Crystal, S. Akinicigil, A., Sambamoorthi, U., Wenger, N., Fleishman, J. A., Zingmond, D. S., **Hays, R. D.**, Bozzette, S. A., & Shapiro, M. F. (2003). The diverse older HIV-positive population: A national profile of economic circumstances, social support, and quality of life. Journal of Acquired Immune Deficiency Syndromes, 33, S76-S83.
235. Unruh, M., Yan, G., Radeva, M., **Hays, R. D.**, Benz, R., Athienites, N. V., Kusek, J. Levey, A. S., Meyer, K. B., & the HEMO Study Group. (2003). Bias in assessment of health-related quality of life in a hemodialysis population: A comparison of self-administered and interviewer-administered surveys in the HEMO study. Journal of the American Society of Nephrology, 14, 2132-2141.
236. Morales, L. S., Weech-Maldonado, R., Elliott, M. N., Weidmer, B., & **Hays, R. D.** (2003). Psychometric properties of the Spanish Consumer Assessment of Health Plans Survey (CAHPS). Hispanic Journal of Behavioral Sciences, 25 (3), 386-409. PMID: PMC1360961
237. Fleishman, J. A., Sherbourne, C. D., Cleary, P. D., Wu, A. W., Crystal, S., & **Hays, R. D.** (2003). Patterns of coping among persons with HIV infection: Configurations, correlates, and change. American Journal of Community Psychology, 32, 187-204.
238. **Hays, R. D.**, Chong, K., Brown, J., Spritzer, K. L., Horne, K. (2003). Patient reports and ratings of individual physicians: An evaluation of the DoctorGuide and CAHPS® provider level surveys. American Journal of Medical Quality, 18 (5), 190-196.
239. Cunningham, W. E., Nakazono, T. K., Tsai, K. L., & **Hays, R. D.** (2003). Do differences in methods for constructing SF-36 physical and mental health summary measures change their associations with chronic medical conditions and utilization? Quality of Life Research, 12, 1029-1035.
240. **Hays, R. D.**, Mangione, C. M., Ellwein, L., Lindblad, A. S., Spritzer, K. L., & McDonnell, P. J., and NEI-RQL Research Group. (2003). Psychometric properties of the National Eye Institute – Refractive Error Quality of Life Instrument. Ophthalmology, 110 (12), 2292-2301.
241. McDonnell, P. J., Mangione, C., Lee, P., Lindblad, A.S., Spritzer, K. L., Berry, S., & **Hays, R. D.**, and NEI-RQL Research Group. (2003). Responsiveness of the National Eye Institute-Refractive Error Quality of Life Instrument to surgical correction of refractive error. Ophthalmology, 110, 2302-2309.
242. McDonnell, P. J., Lee, P., Spritzer, K., Lindblad, A. S., & **Hays, R. D.** (2003). Associations of presbyopia with vision-targeted health-related quality of life. Archives of Ophthalmology, 121, 1577-1581.
243. Hargraves, J. L., **Hays, R.D.**, & Cleary, P.D. (2003). Psychometric properties of the Consumer Assessment of Health Plans Study (CAHPS®) 2.0 adult core survey. Health Services Research, 38, 1509-1527.
244. Kahn, K. L., Liu, H., Adams, J. L., Chen, W.P., Tisnado, D., Carlisle, D. M., **Hays, R. D.**, Mangione, C. M., & Damberg, C. L. (2003). Methodological challenges associated with patient responses to follow-up longitudinal studies regarding quality of care. Health Services Research, 38, 1579-1598. PMID: PMC1360965

245. Nelson, E. C., Gentry, M. A., Mook, K. H., Spritzer, K. L., Higgins, J. H., & **Hays, R. D.** (2004). How many patients are needed to provide reliable evaluations of individual clinicians? Medical Care, 42, 259-266.
246. Weech-Maldonado, R., Elliott, M., Morales, L. S., Spritzer, K. L., Marshall, G., & **Hays, R. D.** (2004). Health plan effects on patient assessments of Medicaid managed care among racial/ethnic minorities. Journal of General Internal Medicine, 19, 136-145. PMID: PMC1492141
247. Diamant, A. L., **Hays, R. D.**, Morales, L. S., Ford, W., Calmes, D., Asch, S., Duan, N., Fielder, E., Kim, S., Fielding, J., Sumner, G., Shapiro, M. F., Hayes-Bautista, D., & Gelberg, L. (2004). Delays and unmet need for health care among adult primary care patients in a restructured urban public health system. American Journal of Public Health, 94, 783-789. PMID: PMC1448338
248. Wong, M. D., Asch, S. M., Andersen, R. M., **Hays, R. D.**, & Shapiro, M. F. (2004). Racial and ethnic differences in patients' preferences for initial care by specialists. American Journal of Medicine, 116, 613-620.
249. Unruh, M., Miskulin, D., Yan, G., **Hays, R. D.**, Benz, R., Kusek, J. W., Meyer, K. B., & the HEMO Study Group. (2004). Racial differences in health-related quality of life among hemodialysis patients. Kidney International, 65, 1482-1491.
250. Morales, L.S., Elliott, M., Brown, J., Rahn, C., & **Hays, R. D.** (2004). The applicability of the Consumer Assessment of Health Plans Survey (CAHPS®) to Preferred Provider Organizations in the United States: A discussion of industry concerns. International Journal of Quality in Health Care, 16, 219-227.
251. Chodosh, J., Petitti, D.B., Elliott, M., **Hays, R.D.**, Crooks, V.C., Reuben, D.B., Buckwalter, J.G., & Wenger, N. (2004). Physician recognition of cognitive impairment: Evaluating the need for improvement. Journal of American Geriatrics Society, 52, 1051-1059.
252. Kanwal, F., **Hays, R. D.**, Kilbourne, A.M., Dulai, G. S., & Gralnek, I. M. (2004). Are physician-derived disease severity indices associated with health-related quality of life in patients with end stage liver disease? American Journal of Gastroenterology, 99, 1726-1732.
253. Gralnek, I. M., **Hays, R. D.**, Kilbourne, A. M., Chang, L., & Mayer, E. A. (2004). Racial differences in the impact of irritable bowel syndrome on health-related quality of life. Journal of Clinical Gastroenterology, 38, 782-789.
254. Farivar, S. S., Liu, H., & **Hays, R. D.** (2004). Half standard deviation estimate of the minimally important difference in HRQOL scores? Expert Review of Pharmacoeconomics and Outcomes Research, 4 (5), 515-523.
255. Damiano, P.C., Elliott, M., Tyler, M. C., & **Hays, R. D.** (2004). Differential use of the CAHPS 0-10 global rating scale by Medicaid and commercial populations. Health Services and Outcomes Research Methodology, 5, 193-205.
256. Solomon, L., **Hays, R. D.**, Zaslavsky, A., & Cleary, P. D. (2005). Psychometric properties of the Group-Level Consumer Assessment of Health Plans Study (CAHPS®) instrument. Medical Care, 43, 53-60.

257. **Hays, R. D.**, Martin, S. A., Sesti, A. M., & Spritzer, K. L. (2005). Psychometric properties of the Medical Outcomes Study sleep measures. Sleep Medicine, 6, 41-44.
258. Vazirani, S., **Hays, R. D.**, Shapiro, M. F., & Cowan, M. (2005). Effect of a multidisciplinary intervention on communication and collaboration among physicians and nurses. American Journal of Critical Care, 14, 71- 76.
259. Cunningham, W. E., Crystal, S., Bozzette, S., & **Hays, R. D.** (2005). The association of health-related quality of life with survival among persons with HIV infection in the United States. Journal of General Internal Medicine, 20, 21-27. PMID: PMC1490035
260. Wyrwich, K.W., Bullinger, M., Aaronson, N., **Hays, R. D.**, Patrick, D. L., & Symonds, T. (2005). Estimating clinically significant differences in quality of life outcomes. Quality of Life Research, 14, 285-295.
261. **Hays, R. D.**, Farivar, S. S., & Liu, H. (2005). Approaches and recommendations for estimating minimally important differences for health-related quality of life measures. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2, 63-67.
262. Sarkisian, C. A., Steers, D. W. N., **Hays, R. D.**, & Mangione, C. M. (2005). Development of the 12-item Expectations Regarding Aging Survey. The Gerontologist, 45, 240-248.
263. Khanna, D., Furst, D. E., Clements, P. J., Park, G. S., **Hays, R. D.**, Yoon, J., Korn, J. H., Merkel, P. A., Rothfield, N., Wigley, F. W., Moreland, L. W., Silver, R., Steen, V. D., Weisman, M., Mayes, M. D., Collier, D. H., Medsger, T. A., & Seibold, J. R. (2005). Responsiveness of the SF-36 and the Health Assessment Questionnaire Disability Index (HAQ-DI) in a systemic sclerosis clinical trial. Journal of Rheumatology, 32, 832-840.
264. **Hays, R. D.**, Brodsky, M., Johnston, M. F., Spritzer, K. L., & Hui, K. (2005). Evaluating the statistical significance of health-related quality of life change in individual patients. Evaluation and the Health Professions, 28, 160-171.
265. Choi, H. H., Gray, P. B., Storer, T. W., Calof, O. M., Woodhouse, L., Singh, A. B., Padero, C., Mac R. P., Sinha-Hikim, I., Shen, R., Dzekov, J., Dzekov, C., Kushnir, M. M., Rockwood, A. L., Meikle, A. W., Lee, M. L., **Hays, R. D.**, & Bhasin, S. (2005). Effects of testosterone replacement in human immunodeficiency virus-infected women with weight loss. Journal of Clinical Endocrinology and Metabolism, 90, 1531-1541.
266. Liu, H. H., **Hays, R. D.**, Adams, J. L., Chen, W-P., Tisnado, D., Mangione, C.M., Damberg, C. L., & Kahn, K. L. (2005). Imputation of SF-12 for patients with partially missing SF-12 items. Health Services Research, 40, 905-921. PMID: PMC1361174
267. Spiegel, B M., Younossi, Z. M., **Hays, R. D.**, Revicki, D., Robbins, S., & Kanwal, F. (2005). The impact of Hepatitis C on health-related quality of life: A systematic review and quantitative assessment. Hepatology, 41, 790-800.
268. Fung, C. H., Elliott, M. N., **Hays, R. D.**, Kahn, K. L., Kanouse, D. E., McGlynn, E. A., Spranca, M. D., & Shekelle, P. (2005). Patients' preferences for technical versus interpersonal quality when selecting a primary care physician. Health Services Research, 40, 957-977. PMID: PMC1361181

269. **Hays, R. D.**, Revicki, D., & Coyne, K. (2005). Application of structural equation modeling to health outcomes research. Evaluation and the Health Professions, 28, 295-309.
270. Lorenz, K. A., **Hays, R. D.**, Shapiro, M. F., Cleary, P. D., Asch, S. M., & Wenger, N. A. (2005). Religiousness and spirituality among HIV-infected Americans. Journal of Palliative Medicine, 8, 774-781.
271. Kanwal, F., Gralnek, I.M., **Hays, R.D.**, Dulai, G.S., Spiegel, B.M., Bozzette, S., & Asch, S. (2005). Impact of chronic viral Hepatitis on health-related quality of life in HIV: Results from a nationally representative sample. American Journal of Gastroenterology, 100, 1984-1994.
272. Elliott, M.N., Farley, D., Hambarsoomians, K., & **Hays, R.D.** (2005). Do Medicaid and commercial CAHPS scores correlate within plans? A New Jersey case study. Medical Care, 43, 1027-1033.
273. Hsiao, A., **Hays, R. D.**, Ryan, G. W., Coulter, I. D., Andersen, R. M., Hardy, M. L., Diehl, D. L., Hui, K., & Wenger, N. S. (2005). A self-report measure of clinicians' orientation toward integrative medicine. Health Services Research, 40, 1553-1569. PMID: PMC1361208
274. Wu, A. W., Huang, I-C., Gifford, A. L., Spritzer, K. L., Bozzette, S. A., & **Hays, R. D.** (2005). Creating a crosswalk to estimate AIDS Clinical Trials Group quality of life scores in a nationally representative sample of persons in care for HIV in the United States. HIV Clinical Trials, 6 (3), 147-157.
275. Cunningham, W., E., **Hays, R. D.**, Duan, N., Andersen, R. M., Nakazono, T. T., Bozzette, S. A., & Shapiro, M. F. (2005). The effect of socioeconomic status on the survival of persons receiving care for HIV infections in the United States. Journal of Health Care for the Poor and Underserved, 16, 655-676.
276. Hepner, K. A., Brown, J. A., & **Hays, R. D.** (2005). Comparison of mail and telephone in assessing patient experiences in receiving care from medical group practices. Evaluation and the Health Professions, 28, 377-389.
277. Higashi, T., **Hays, R. D.**, Brown, J. A., Kamberg, C. J., Pham, C. Reuben, D. B., Shekelle, P. G., Solomon, D. H., Young, R. T, Roth, C. P., Chang, J. T., MacLean, C. H., & Wenger, N. S. (2005). Do proxies reflect patients' health concerns about urinary incontinence and gait problems? Health and Quality of Life Outcomes, 3, 75. PMID: PMC1308844
278. de Vries, H., Elliott, M. N., Hepner, K. A., Keller, S. D., & **Hays, R. D.** (2005). Equivalence of mail and telephone responses to the CAHPS® Hospital Survey. Health Services Research, 40 (6 Pt. 2), 2120-2139. PMID: PMC1361249
279. O'Malley, A. J., Zaslavsky, A. M., **Hays, R. D.**, Hepner, K.A., Keller, S., & Cleary, P. D. (2005). Exploratory factor analyses of the CAHPS Hospital Pilot Survey responses across and within medical, surgical, and obstetric services. Health Services Research, 40 (6 Pt. 2), 2078-2095. PMID: PMC1361242
280. Keller, S., O'Malley, A. J., **Hays, R. D.**, Matthew, R. A., Zaslavsky, A. M., Hepner, K. A., & Cleary, P. D. (2005). Methods used to streamline the CAHPS Hospital Survey. Health Services Research, 40 (6 Pt. 2), 2057-2077. PMID: PMC1361248

281. Hurtado, M.P., Angeles, J., Blahut, S. A., & **Hays, R. D.** (2005). Assessment of the equivalence of the Spanish and English versions of the CAHPS Hospital Survey on the quality of inpatient care. Health Services Research, 40 (6 Pt. 2), 2140-2161. PMID: PMC1361240
282. Elliott, M.N., Edwards, C., Angeles, J., Hambarsoomians, K., & **Hays, R. D.** (2005). Patterns of unit and item nonresponse in the CAHPS Hospital Survey. Health Services Research, 40 (6 Pt. 2), 2096-2119. PMID: PMC1361246
283. Calderón, J. L., Morales, L. S., Liu, H., & **Hays, R. D.** (2006). Variation in the readability of items within surveys. American Journal of Medical Quality, 21, 49-56. PMID: PMC1693909
284. Ettner, S. L., Kotlerman, J., Afifi, A., Vazirani, S., **Hays, R. D.**, Shapiro, M., & Cowan, M. (2006). An alternative approach to reducing the costs of patient care? A controlled trial of the multi-disciplinary doctor-nurse practitioner (MDNP) model. Medical Decision Making, 26, 9-17.
285. Cowan, M. J., Shapiro, M., **Hays, R. D.**, Afifi, A., Vazirani, S., Ward, C. R., & Ettner, S. L. (2006). The effect of a multidisciplinary, hospitalist/physician and advanced practice nurse collaboration on hospital costs. Journal of Nursing Administration, 36, 79-85.
286. Hsiao, A., Ryan, G. W., **Hays, R. D.**, Coulter, I. D., Andersen, R. M., & Wenger, N. S. (2006). Variations in provider conceptions of integrative medicine. Social Science and Medicine, 62, 2973-2987.
287. Morales, L. S., Elliott, M. N., Weech-Maldonado, R., & **Hays, R. D.** (2006). The impact of interpreters on parents' experiences with ambulatory care for their children. Medical Care Research and Review, 63, 110-128. PMID: PMC1634763
288. Calderón, J. L., Baker, R. S., Fabrega, H., Conde, J. G., **Hays, R. D.**, Fleming, E., & Norris, K. C.. (2006). An ethno-medical perspective on research participation: A qualitative pilot study. Medscape General Medicine, 8(2), 23 PMID: PMC1785211
289. **Hays, R. D.**, Eastwood, J., Kotlerman, J., Spritzer, K. L., Ettner, S. L., & Cowan, M. (2006). Health-related quality of life and patient reports about care outcomes in a multidisciplinary hospital intervention. Annals of Behavioral Medicine, 31 (2), 173-178.
290. Liu, H., Miller, L. G., **Hays, R. D.**, Golin, C. E., Wu, T., Wenger, N. S., & Kaplan, A. H. (2006) Repeated measures longitudinal analyses of HIV virologic response as a function of percent adherence, dose timing, genotypic sensitivity, and other factors. Journal of Acquired Immune Deficiency Syndrome, 41, 315-322.
291. Khanna, D., Furst, D. E., **Hays, R. D.**, Park, G. S., Wong, W. K., Seibold, J. R., Mayes, M. D., White, B., Wigley, F. F., Weisman, M., Barr, W., Moreland, L., Medsger, T. A., Steen, V. D., Martin, R. W., Collier, D., Weinstein, A., Lally, E. V., Varga, J., Weinder, S. R., Andrews, B., Abeles, M., & Clements, P. J. (2006). Minimally important difference in diffuse systemic sclerosis—Results from the D-penicillamine study. Annals of Rheum Dis, 65, 1325-1329.
292. Bell, D. S., **Hays, R. D.**, Hoffman, J. R., Day, F. C., Higa, J. K., & Wilkes, M. S. (2006). A test of knowledge about prostate cancer screening: Online pilot evaluation

- among Southern California physicians. Journal of General Internal Medicine, 21, 310-314. PMID: PMC1634763
293. Reise, S. P., Meijer, R., Ainsworth, A. T., Morales, L. S., & **Hays, R. D.** (2006). Application of group-level item response models in the evaluation of consumer reports about health plan quality. Multivariate Behavioral Research, 41, 85-102.
 294. Liu, H.H., Miller, L.G., Golin, C., **Hays, R.D.**, Wu, T. T., Wenger, N.S., Kaplan, A. H. (2006) Repeated measures analyses of dose timing of antiretroviral medication and its relationship to HIV virologic outcomes. Statistics in Medicine, 26, 991-1007.
 295. Chang, J.T., **Hays, R.D.**, Shekelle, P.G., MacLean, C.H., Solomon, D.H., Reuben, D.B., Roth, C.P., Kamberg, C.J., Adams, J. Young, R.T., Wenger, N. S. (2006) Patients' global ratings of their health care are not associated with the technical quality of their care. Annals of Internal Medicine, 144, 665-672.
 296. White, B.L., Wohl, D.A., **Hays, R.D.**, Golin, C.E., Liu, H., Kiziah, C.N., Simpson, G., Kaplan, A.H. (2006) A pilot study of health beliefs and attitudes concerning measures of antiretroviral adherence among prisoners receiving directly observed antiretroviral therapy. AIDS Patient Care and STDS, 20, 408-417.
 297. Ponce, N.A., **Hays, R.D.**, Cunningham, W.E. (2006). Linguistic disparities in health care access and health status among older adults. Journal of General Internal Medicine, 21, 786-791.
 298. Lorenz, K. A., Cunningham, W. E., Spritzer, K. L., & **Hays, R. D.** (2006). Changes in symptoms and health-related quality of life in a nationally representative sample of adults in treatment for HIV. Quality of Life Research, 15, 951-958.
 299. Fongwa, M. N., Cunningham, W., Weech-Maldonado, R., Gutierrez, P. R., & **Hays, R. D.** (2006). Comparison of data quality for reports and ratings of ambulatory care by African Americans and White Medicare managed care enrollees. Journal of Aging and Health, 18, 707-721.
 300. Baker, R. S., Bazargan, M., Calderón, J., & **Hays, R. D.** (2006). Psychometric performance of the National Eye Institute Visual Function Questionnaire in Latinos and non-Latinos. Ophthalmology, 113, 1363-1371.
 301. Revicki, D. A., Cella, D., **Hays, R. D.**, Sloan, J. A., Lenderking, W. R., & Aaronson, N. K. (2006). Responsiveness and minimal important differences for patient reported outcomes. Health and Quality of Life Outcomes, 4, 70. PMID: PMC1586195
 302. Tarn, D. M., Heritage, J., Paterniti, D. A., **Hays, R. D.**, Kravitz, R. L., & Wenger, N. S. (2006). Physician communication when prescribing new medications. Archives of Internal Medicine, 166 (17), 1855-1862.
 303. Fongwa, M. N., **Hays, R. D.**, Gutierrez, P.R. , & Stewart, A. L. (2006). Psychometric characteristics of a patient satisfaction instrument tailored to the concerns of African Americans. Ethnicity and Disease, 16 (4), 948-955.
 304. **Hays, R. D.**, Brown, J., Brown, L.U., Spritzer, K.L., and Crall, J.J. (2006). Classical test theory and item response theory analyses of multi-item scales assessing parents' perceptions of their children's dental care. Medical Care, 44 (11 Suppl 3), S60-S68.

305. Liu, H.H., Miller, L.G., **Hays, R. D.**, Golin, C. E., Zhao, H., Wenger, N. S., & Kaplan, A. H. (2006). A comprehensive evaluation of survey questions for adherence to antiretroviral medications and exploratory analyses for identifying optimal sets of survey questions. *AIDS Patient Care and STDs*, 20 (11), 760-772.
306. Liu, H., Miller, L. G., **Hays, R. D.**, Wagner, G., Golin, C. E., Hu, W., Kahn, K., Haubrich, R., Kaplan, A. H., & Wenger, N. S. (2006). A practical method to calibrate self-reported adherence to antiretroviral therapy. *Journal of Acquired Immune Deficiency Syndromes*, 43 (supp. 1), S104-S112.
307. Varma, R., Wu, J., Chong, K., Azen, S. P., & **Hays, R. D.** (2006). Impact of severity and bilaterality of visual impairment on health-related quality of life. *Ophthalmology*, 113, 1846-53.
308. Tarn, D. M., Paterniti, D. A., Heritage, J., **Hays, R. D.**, Kravitz, R. L., & Wenger, N. S. (2006). Physician communication about the costs and acquisition of newly prescribed medications. *American Journal of Managed Care*, 12, 657-64.
309. Chang, C-H., Wright, B. D., Cella, D., & **Hays, R. D.** (2007). The SF-36 physical and mental health factors were confirmed in cancer and HIV/AIDS patients. *Journal of Clinical Epidemiology*, 60, 68-72.
310. Kahn, K. L., Tisnado, D. M., Adams, J. L., Liu, H., Chen, W. P., Mangione, C. M., **Hays, R. D.**, & Damberg, C. L. (2007). Does ambulatory process of care predict health-related quality of life outcomes? *Health Services Research*, 42, 63-83.
311. Abbott, R. B., Hui, K. K., **Hays, R. D.**, Li, M.D., & Pan, T. (2007). A randomized controlled trial of Tai Chi for tension headaches. *Evidence-Based Complementary and Alternative Medicine*, 4, 107-113. PMID: PMC1810369
312. Liu, H., Miller, L. G., Golin, C. E., **Hays, R. D.**, Wu, T., Wenger, N.S., & Kaplan, A. H. (2007). Repeated measures analyses of dose timing error to antiretroviral medication and its relationship to HIV virologic outcomes. *Statistics in Medicine*, 26, 991-1007.
313. Reeve, B. B., **Hays, R. D.**, Bjorner, J. B., Cook, K. F., Crane, P. K., Teresi, J. A., Thissen, D., Revicki, D. A., Weiss, D. J., Hambleton, R. K., Liu, H., Gershon, R., Reise, S. P., & Cella, D. (2007). Psychometric evaluation and calibration of health-related quality of life item banks: Plans for the Patient-Reported Outcome Measurement Information System (PROMIS). *Medical Care*, 45, S22-31.
314. **Hays, R. D.**, Liu, H., Spritzer, K., & Cella, D. (2007). Item response theory analyses of physical functioning items in the Medical Outcomes Study. *Medical Care*, 45, S32-38.
315. Reise, S. P., Morizot, J., & **Hays, R. D.** (2007). The role of the bifactor model in resolving dimensionality issues in health outcomes measures. *Quality of Life Research*, 16 (supplement 1), 19-31.
316. Cook, K. F., Teal, C. R., Bjorner, J. B., Cella, D., Chang, C-H., Crane, P. K., Gibbons, L. E., **Hays, R. D.**, McHorney, C. A., Ocepek-Welikson, K., Raczek, A. E., Teresi, J. A., & Reeve, B. B. (2007). IRT health outcomes data analysis project: An overview and summary. *Quality of Life Research*, 16 (supplement 1), 121-132.
317. Khanna, D., **Hays, R. D.**, Park, G. S., Braun-Moscovici, Y., Mayes, M. D., McNearney, T. A., Hsu, V., Clements, P. J., & Furst, D. E. (2007). Development of a

- preliminary scleroderma gastrointestinal tract 1.0 (SSC-GIT 1.0) quality of life instrument. Arthritis Care and Research, 57, 1280-1286.
318. Hahn, E. A., Cella, D., Chassany, O., Fairclough, D. L., Wong, G. Y., & **Hays, R. D.** (2007). Precision of health-related quality of life data compared with other clinical measures. Mayo Clinic Proceedings, 82 (10), 1244-1254.
319. Vickrey, B. G., Strickland, T. L., Fitten, J., Adams, G. R., Ortiz, F., & **Hays, R. D.** (2007). Ethnic variations in dementia caregiving experiences: Insights from focus groups. Journal of Human Behavior in the Social Environment, 15, 233-249.
320. Farivar, S. S., Cunningham, W. E., & **Hays, R. D.** (2007). Correlated physical and mental health summary scores for the SF-36 and SF-12 health survey, V. 1. Health and Quality of Life Outcomes, 5, 54. PMID: PMC2065865
321. Crane, P. K., Gibbons, L. E., Ocepek-Welikson, K., Cook, K., Cella, D., Narasimhalu, K., **Hays, R. D.**, & Teresi, J. A. (2007). A comparison of three sets of criteria for determining the presence of differential item functioning using ordinal logistic regression. Quality of Life Research, 16, 69-84.
322. Frost, M. H., Reeve, B. B., Liepa, A. M., Stauffer, J. W., **Hays, R. D.**, & the Mayo/FDA Patient-Reported Outcomes Consensus Meeting Group. (2007). What is sufficient evidence for the reliability and validity of patient-reported outcome measures? Value in Health, 10, S94-105.
323. Derose, K., Kanouse, D.E., Weidmer, B., Weech-Maldonado, R., Garcia, R., **Hays, R.D.** (2007). Developing a Spanish-language sample report for CAHPS. Joint Commission Journal on Quality and Patient Safety, 33, 681-688.
324. Fryback, D. G., Dunham, N. C., Palta, M., Hanmer, J., Buechner, J., Cherepanov, D., Herrington, S., **Hays, R. D.**, Kaplan, R. M., Ganiats, T. G., Feeny, D., & Kind, P. (2007). U.S. Norms for Six Generic Health-Related Quality-of-Life Indexes from the National Health Measurement Study. Medical Care, 45, 1162-1170. PMID: PMC2647803
325. Hanmer, J., **Hays, R. D.**, & Fryback, D. G. (2007). Mode of administration is important in U.S. national estimates of health-related quality of life. Medical Care, 45, 1171-1179.
326. Khanna, D., Furst, D. E., Wong, W. K., Tsevat, J., Clements, P. J., Park, G. S., Postlethwaite, A. E., Ahmed, M., & **Hays, R. D.** (2007). Reliability, validity, and minimally important differences of the SF-6D in systemic sclerosis. Quality of Life Research, 16, 1083-1092.
327. McKean-Cowdin, R., Varma, R., Wu, J., **Hays, R. D.**, Azen, S. P., & The Los Angeles Latino Eye Study Group. (2007). Severity of visual field loss and health related quality of life. Am J Oph thalmol, 143 (6), 1013-1023. PMID: PMC2731547.
328. Revicki, D., **Hays, R. D.**, Cella, D., & Sloan, J. (2008). Recommended methods for determining responsiveness and minimally important differences for patient reported outcomes. Journal of Clinical Epidemiology, 61, 102-109
329. Eastwood, J. Doering, L., Roper, J., & **Hays, R. D.** (2008). Uncertainty and health-related quality of life 1 year after coronary angiography. American Journal of Critical Care, 17, 232-242.

330. Hepner, K., A., Morales, L. S., **Hays, R. D.**, Orlando, M., & Miranda, J. (2008). Evaluating differential item functioning of the PRIME-MD mood module among black and white women in primary care. Women's Health Issues, 18, 53-61.
331. Sayles, J. N., **Hays, R. D.**, Sarkisian, C. A., Mahajan, A. P., Spritzer, K. L., & Cunningham, W. E. (2008). Development and psychometric assessment of a multidimensional measure of internalized HIV stigma in a sample of HIV-positive adults. AIDS and Behavior, 12, 748-758. PMID: PMC2858334
332. Ngo-Metzger, Q., Sorkin, D. H., Mangione, C., Gandek, B., & **Hays, R. D.** (2008). Evaluating the SF-36 Health Survey (Version 2) in older Vietnamese Americans. Journal of Aging and Health, 20, 420-436.
333. Weech-Maldonado, R., Fongwa, MN., Gutierrez, P., & **Hays, R. D.** (2008). Language and regional differences in evaluations of Medicare managed care by Hispanics. Health Services Research, 43 (2), 552-568. PMID: PMC2442381
334. Elliott, M. N., Beckett, M. K., Chong, K., Hambarsoomians, K., & **Hays, R. D.** (2008). How do proxy responses and proxy-assisted responses differ from what Medicare beneficiaries might have reported about their health care? Health Services Research, 43 (3), 833-848. PMID: PMC2442242
335. Fongwa, M., Evangelista, L., **Hays, R.D.**, Martins, D., Elashoff, D., Cowan, M., & Morisky, D. (2008). Adherence Treatment Factors in Hypertensive African American Women. Vascular Health and Risk Management, 4 (1), 157-166. PMID: PMC2464745
336. Quigley, D., Elliott, M. N., **Hays, R. D.**, Klein, D., & Farley, D. (2008). Bridging from the Picker Hospital Survey to the CAHPS® hospital survey. Medical Care, 46, 654-661.
337. Rothman, A. A., Park, H., **Hays, R. D.**, Edwards, C., & Dudley, R. A. (2008). Can additional patient experience items improve the reliability of and add new domains to the CAHPS® Hospital survey? Health Services Research, 43 (6), 2201-2222. PMID: PMC2613993
338. Lotstein, D., Inkelas, M., **Hays, R. D.**, Halfon, N., & Brook, R. (2008). Access to care for youth with special health care needs in the transition to adulthood. Journal of Adolescent Health, 43, 23-29.
339. Cunningham, W. E., Wong, M., & **Hays, R. D.** (2008). Case management and health-related quality of life outcomes in a national sample of persons with HIV/AIDS. Journal of National Medical Association, 100 (7), 840-847. PMID: PMC2872034
340. Clauser, S. B., Arora, N. K., Bellizzi, K. M., Haffer, S. C., Topor, M., & **Hays, R. D.** (2008). Disparities in HRQOL of cancer survivors and non-cancer managed care enrollees. Health Care Financing Review, 29 (4), 23-40.
341. Smith, A. W., Reeve, B. B., Bellizzi, K. M., Harlan, L. C., Klabunde, C. N., Amsellem, M., Bierman, A. S., & **Hays, R. D.** (2008). Cancer, comorbidities, and health-related quality of life of older adults. Health Care Financing Review, 29 (4), 41-56. PMID: PMC3142673

342. **Hays, R. D.**, Smith, A. W., Reeve, B. B., Spritzer, K. L., Marcus, S. E., & Clauser, S. B. (2008). Cigarette smoking and health-related quality of life in Medicare beneficiaries. Health Care Financing Review, 29 (4), 57-68.
343. Reeve, B. B., Smith, A. W., Arora, N. K., & **Hays, R. D.** (2008). Reducing bias in cancer research: Application of propensity score matching. Health Care Financing Review, 29 (4), 69-80.
344. Weech-Maldonado, R., Elliott, M. N., Oluwole, A., Schiller, K. C., & **Hays, R. D.** (2008). Survey response style and differential use of CAHPS rating scales by Hispanics. Medical Care, 49, 963-968. PMID: PMC3103722
345. Cella, D., Viswanthan, H. N., **Hays, R. D.**, Mendoza, T. R., Stein, K. D., Pasta, D. J., Foreman, A. J., Vadhan-Raj, S., & Kallich, J. D. (2008). Development of a fatigue and functional impact scale in anemic cancer patients receiving chemotherapy. Cancer, 113, 1480-1488. PMID: PMC2587127
346. Sorkin, D., Tan, A. L., **Hays, R. D.**, Mangione, C., & Ngo-Metzger, Q. (2008). Self-reported health status of Vietnamese and non-Hispanic white older adults in California. Journal of the American Geriatrics Society, 56, 1543-1548.
347. Fongwa, M. N., Cunningham, W., Weech-Maldonado, R., Gutierrez, P. R., & **Hays, R. D.** (2008). Reports and ratings of care: Black and White Medicare enrollees. Journal of Health Care for the Poor and Underserved, 19, 1136-1147.
348. Kanwal, F., Spiegel, B. M. R., **Hays, R. D.**, Durazo, F., Han, S. B., Saab, S., Bolus, R., Kim, S. J., & Gralnek, I. M. (2008). Prospective validation of the Short Form Liver Disease Quality of Life instrument (The SF-LDQOL). Alimentary Pharmacology & Therapeutics, 28, 1088-1101.
349. Fung, C. H., & **Hays, R. D.** (2008). Prospects and challenges in using patient-reported outcomes in clinical practice. Quality of Life Research, 17, 1297-302. PMID: PMC3119524
350. Khanna, D., Pope, J. E., Khanna, P. P., Maloney, M., Samed, N., Norrie, D., Ouimet, G., & **Hays, R. D.** (2008). The minimally important difference for the fatigue visual analog scale in patients with rheumatoid arthritis followed in an academic clinical practice. Journal of Rheumatology, 35, 2339-43. PMID: PMC3155760
351. Viala-Danten, M., Martin, S., Guillemin, I., & **Hays, R. D.** (2008). Evaluation of the reliability and validity of the Medical Outcomes Study Sleep Scale in patients with painful diabetic peripheral neuropathy during an international clinical trial. Health and Quality of Life Outcomes, 6, 113. PMID: PMC2637242
352. Hector, R. D., Anderson, J. P., Paul, R. C. P., Ponce, N., **Hays, R. D.**, Weiss, R. E., & Kaplan, R. M. (2008). Evaluation of the validity of the Quality of Well-being Scale in Trinidad and Tobago. West Indian Medical Journal, 57, 135-140. PMID: PMC2874060
353. Tarn, D. M., Heritage, J., Paterniti, D. A., **Hays, R. D.**, Kravitz, R. L., & Wenger, N. S. (2008). Prescribing new medications: A taxonomy of physician-patient communication. Communication & Medicine, 5 (2), 195-208. PMID: PMC2717738
354. Khanna, D., Kaplan, R. M., Eckman, M. H., **Hays, R. D.**, Leonard, A. C., Ginsburg, S. S., & Tsevat, J. (2009). A randomized study of scleroderma health state values: A

picture is worth a thousand words, and quite a few utiles. Medical Decision Making, 29, 7-14. PMID:PMC2779571

355. Coons, S. J., Gwaltney, C. J., **Hays, R. D.**, Lundy, J. J., Sloan, J. A., Revicki, D. A., Lenderking, W. R., Cella, D., & Basch, E. (2009). Recommendations on evidence needed to support measurement equivalence between electronic and paper-based Patient-Reported Outcome (PRO) Measures: ISPOR ePRO good research practices task force report. Value in Health, 12, 419-429.
356. Elliott, M. N., Haviland, A.M., Kanouse, D. E., Hambarsoomian, K., & **Hays, R. D.** (2009). Adjusting for subgroup differences in extreme response tendency in ratings of health care: Impact on disparity estimates. Health Services Research, 44, 542-561. PMID: PMC2677053.
357. Martino, S. C., Elliott, M. N., Cleary, P. D., Kanouse, D. E., Brown, K. A., Spritzer, K. L., Heller, A., & **Hays, R. D.** (2009). Psychometric properties of an instrument to assess Medicare beneficiaries prescription drug plan experiences. Health Care Financing Review, 30, 41-53.
358. **Hays, R. D.**, Kim S., Spritzer, K. L., Kaplan, R. M., Tally, S. Feeny, D., Liu, H., & Fryback, D. G. (2009). Effects of mode and order of administration on generic health-related quality of life scores. Value in Health, 12, 1035-1039. PMID: PMC2765402.
359. Kavirajan, H., **Hays, R.D.**, Vassar, S., & Vickrey, B. G. (2009). Responsiveness and construct validity of the Health Utilities Index (HUI) in patients with dementia. Medical Care, 47, 651-661. PMID:PMC2771214
360. Revicki D. A., Kawata, A. K., Harnam, N., Chen, W-H., **Hays, R. D.**, & Cella, D. (2009). Predicting EuroQol (EQ-5D) scores from the Patient-Reported Outcomes Measurement Information System (PROMIS) Global items and domain item banks in a United States sample. Quality of Life Research, 18, 783-791. PMID: PMC2704290.
361. Weidmer-Ocampo, B., Johansson, P., Dalpoas, D., Wharton, D., Darby, C, & **Hays, R. D.** (2009). Adapting CAHPS® for an American Indian population. Journal of Healthcare for the Poor and Underserved, 20, 695-712.
362. Bower, C. M., **Hays, R. D.**, Devinsky, O., Spencer, S. S., Sperling, M. R., Haut, S., Vassar, S., & Vickrey, B. G. (2009). Expectations prior to epilepsy surgery: An exploratory comparison of men and women. Seizure, 18, 228-31.
363. **Hays, R. D.**, Bjorner, J., Revicki, D. A., Spritzer, K., & Cella, D. (2009). Development of physical and mental health summary scores from the Patient-Reported Outcomes Measurement Information System (PROMIS) global items. Quality of Life Research, 18, 873-80. PMID: PMC2724630.
364. Paz, S. H., Liu, H., Fongwa, M. N., Morales, L. S., & **Hays, R. D.** (2009). Readability estimates for commonly used health-related quality of life surveys. Quality of Life Research, 18, 889-900. PMID: PMC2724639
365. Vickrey, B. G., **Hays, R. D.**, Maines, M. L., Vassar, S. D., Fitten, J., & Strickland, T. (2009). Development and preliminary evaluation of a quality of life measure targeted at dementia caregivers. Health and Quality of Life Outcomes, 21, 7:56. PMID: PMC2706224

366. Kanwal, F., Gralnek, I. M., **Hays, R. D.**, Zeringue, A., Durazo, F., Han, S. B., Saab, S., Bolus, R., & Spiegel, B. (2009). Health-related quality of life predicts mortality in patients with advanced chronic liver disease. Clinical Gastroenterology and Hepatology, 7, 793-799.
367. Brown, C. A., Cheng, E. M., **Hays, R. D.**, Vassar, S., & Vickrey, B. G. (2009). SF-36 includes less Parkinson Disease (PD)-targeted content but is more responsive to change than two PD-targeted health-related quality of life measures. Quality of Life Research, 18, 1219-1237. PMID: PMC2759458
368. Gallagher, P., Ding, L., Ham, H. P., Schor, E. L., **Hays, R. D.**, & Cleary, P. D. (2009). Development of a new patient-based measure of pediatric ambulatory care. Pediatrics, 124, 1348-1354.
369. Lee, P. P., Cunningham, W. E., Nakazono, T. T., & **Hays, R. D.** (2009). Associations of eye diseases and symptoms with self-reported physical and mental health. American Journal of Ophthalmology, 148 (5), 804-808. doi:10.1016/j.ajo.2009.06.021 PMID: PMC2783558
370. Johnston, M. F., **Hays, R. D.**, & Hui, K-K. (2009). Evidence-based effect size estimation: An illustration using the case of acupuncture for cancer-related fatigue. BMC Complementary and Alternative Medicine, 9 (1), 1-9. PMID: PMC2647521
371. Khanna, D., **Hays, R.D.**, Maranian, P., Seibold, J.R., Impens, A., Mayes, M.D., Clements, P.J., Getzug, T., Fathi, N., Bechtel, A., & Furst, D.E. (2009). Reliability and validity of the University of California, Los Angeles Scleroderma Clinical Trial Consortium Gastrointestinal Tract Instrument. Arthritis & Rheumatology, 61, 1257-63. PMID: PMC2767193
372. Reeve, B.B., Potosky, A.L., Smith, A.W., Han, P.K., **Hays, R.D.**, Davis, W.W., Arora, N.K., Haffer, S.C., Clauser, S.B. (2009). Impact of cancer on health-related quality of life of older Americans. Journal of the National Cancer Institute, 101, 860-8. PMID: PMC2720781
373. Teresi, J.A., Ocepek-Welikson, K., Kleinman, M., Eimicke, J.P., Crane, P.K., Jones, R.N., Lai, J-S., Choi, S.W., **Hays, R.D.**, Reeve, B.B., Reise, S.P., Pilkonis, P.A., Cella, D. (2009). Analysis of differential item functioning in the depression item bank from the Patient Reported Outcome Measurement Information System (PROMIS): An item response theory approach. Psychology Science Quarterly, 51 (2), 148-180. PMID: PMC2844669.
374. Choi, S. W., Reise, S. P., Pilkonis, P. A., **Hays, R. D.**, & Cella, D. (2010). Efficiency of static and computer adaptive short forms compared to full-length measures of depressive symptoms. Quality of Life Research, 19, 125-136. PMID: PMC2832176
375. Hector, R. D., Anderson, J. P., Paul, R. C., Weiss, R. E., **Hays, R. D.**, & Kaplan, R. M. (2010). Health state preferences are equivalent in the United States and Trinidad and Tobago. Quality of Life Research, 19, 729-738. PMID: PMC2874060
376. **Hays, R. D.**, Bode, R., Rothrock N., Riley W., Cella, D., & Gershon, R. (2010). The impact of next and back buttons on time to complete and measurement reliability in computer-based surveys. Quality of Life Research, 19, 1181-1184. PMID: PMC2940029

377. Cheng, E. M., Crandall, C. J., Bever, C. T., Glesser, B., Haselkorn, J. K., **Hays, R. D.**, Shekelle, P., & Vickrey, B. G. (2010). Quality indicators for multiple sclerosis. Multiple Sclerosis, 16 (8), 970-980. PMID: PMC2921149
378. McKean-Cowdin, R., Varma, R., **Hays, R. D.**, Wu, J. Choudhury, F., & Azen, S. P. (2010). Longitudinal changes in visual acuity and health-related quality of life: The Los Angeles Latino Eye Study. Ophthalmology, 117, 1900-1907. PMID: PMC2945425.
379. Baca, C. B., Vickrey, B. G., **Hays, R.D.**, Vassar, S. D., & Berg, A. T. (2010). Differences in child versus parent reports of the child's health-related quality of life in children with epilepsy and healthy siblings. Value in Health, 13, 778-786. PMID: PMC2921149
380. Fongwa, M. N., Setodji, C. M., Paz, S. H., Morales, L. S., Steers, N. W., & **Hays, R. D.** (2010). Readability and missing data rates in CAHPS 2.0 Medicare survey in African American and White Medicare respondents. Health Outcomes Research in Medicine, 1 (1), e39-e49. PMID: PMC3439129
381. Calderón, J., Bazargan, M., Sangasubana, N., **Hays, R. D.**, Hardigan, P., & Baker, R. S. (2010). A comparison of two educational methods on immigrant Latinas breast cancer knowledge and screening behaviors. Journal of Health Care for the Poor and Underserved, 21, 76-90. PMID: PMC4720157
382. Liu, H. H., Cella, D., Gershon, R., Shen, J., Morales, L.S., Riley, W., & **Hays, R. D.** (2010). Representativeness of the Patient-Reported Outcomes Measurement and Information System internet panel. Journal of Clinical Epidemiology, 63 (11), 1169-1178. PMID: PMC2943555
383. Cella, D., Riley, W., Stone, A., Rothrock, N., Reeve, B., Young, S., Amtmann, D., Bode, R., Buysse, D., Choi, S., Cook, K., DeVellis, R., DeWalt, D., Fries, J. F., Gershon, R., Hahn, E. A., Pilkonis, P., Revicki, D., Rose, M., Weinfurt, K., Lai, J., & **Hays, R. D.** (2010). Initial item banks and first wave testing of the Patient-Reported Outcomes Measurement Information System (PROMIS) network: 2005-2008. Journal of Clinical Epidemiology, 63 (11), 1179-1194. PMID: PMC282975
384. Rothrock, N. E., **Hays, R. D.**, Spritzer, K., Yount, S. E., Riley, W., & Cella, D. (2010). Relative to the General US Population, Chronic Diseases are Associated with Poorer Health-Related Quality of Life as Measured by the Patient-Reported Outcomes Measurement Information System (PROMIS). Journal of Clinical Epidemiology, 63 (11), 1195-1204. PMID: PMC2943571.
385. Punpanich, W., Boon-Yasidhi, V., Chokephaibulkit, K., Prasitsuebsai, W., Chantbuddhiwet, U., Leowsrisook, P., **Hays, R. D.**, & Detels, R. (2010). Health-related quality of life of Thai children with HIV infection: A comparison of the Thai Quality of Life in Children (ThQLC) with the Pediatric Quality of Life Inventory™ version 4.0 (PedsQL™ 4.0) generic core scales. Quality of Life Research, 19, 1509-1516. PMID: PMC2977060
386. Khanna, D., Frech, T.M., Khanna, P.P., Kaplan, R. M., Eckman, M. H., **Hays, R. D.**, Ginsburg, S.S., Leonard, A. C., & Tsevat, J. (2010). Valuation of scleroderma and psoriatic arthritis health states by the general public. Health and Quality of Life Outcomes, 8, 112. PMID: PMC2959096

387. Kaplan, R. M., Tally, S., **Hays, R. D.**, Feeny, D., Ganiats, T. G., Palta, M., & Fryback, D. (2010). Five preference-based indexes in cataract and heart failure patients were not equally responsive to change. Journal of Clinical Epidemiology, 64, 497-506. PMID: PMC3973151
388. Bodukam, V., **Hays, R.D.**, Furst, D., Maranian, P., Furst, D. E., Seibold, J. R., Impens, A., Mayes, M. D., Clements, P. J., & Khanna, D. (2010). Association of gastrointestinal involvement and depressive symptoms in patients with systemic sclerosis. Rheumatology, 50, 330-334. PMID: PMC3021949.
389. Abbott, R.B., Hui, K. K., **Hays, R. D.**, Mandel, J., Goldstein, M., Winegarden, B., Glaser, D., & Brunton, L. (2011). Medical student attitudes towards complementary, alternative and integrative medicine. Evidence Based Complementary and Alternative Medicine, PMID: PMC3147138.
390. Punpanich, W., **Hays, R.D.**, Detels, R., Chokephaibulkit, K., Chantbuddhiwet, U., Leowsrisook, P., & Prasitsuebsai, W. (2011). Development of a culturally appropriate health-related quality of life measure for human immunodeficiency virus-infected children in Thailand. J Paediatrics and Child Health, 47, 27-33. PMID: PMC3033216
391. Eastwood, J., Doering, L. V., Dracup, K., Evangelista, L., & **Hays, R. D.** (2011). Health-related quality of life: The impact of diagnostic angiography. Heart and Lung, 40, 147-155. PMID: PMC3184145
392. Arora, N. K., Reeve, B. B., **Hays, R. D.**, Clauser, S. B., & Oakley-Girvan, I. (2011). Assessment of quality of cancer-related follow-up care from the cancer survivor's perspective. Journal of Clinical Oncology, 29, 1280-1289. PMID: PMC3083996
393. McLeod, L. D., Coon, C. D., Martin, S., Fehnel, S. E., & **Hays, R. D.** (2011). Interpreting patient-reported outcome results: FDA guidance and emerging methods. Expert Review of Pharmacoeconomics and Outcomes Research, 11, 163-169. PMID: PMC3125671
394. Setodji, C. M., Reise, S. P., Morales, L. S., Fongwa, M. N., & **Hays, R. D.** (2011). Differential item functioning by survey language among older Hispanics enrolled in Medicare managed care: A new method for anchor item selection. Medical Care, 49, 461-468.
395. Thompson, A. W., Liu, H., **Hays, R. D.**, Katon, W. J., Rausch, R., Diaz, N., Jacob, E. L., Vassar, S. D., & Vickrey, B. G. (2011). Diagnostic accuracy and agreement across three depression assessment measures for Parkinson's disease. Parkinsonism and Related Disorders, 17, 40-45. PMID: PMC3021588
396. Heslin, K.C., Stein, J.A., Heinzerling, K., Pan, D., Magladry, C., & **Hays, R.D.** (2011). Clinical correlates of health-related quality of life among opioid-dependent patients. Quality of Life Research, 20, 1205-1213. PMID: PMC3178032
397. Khanna, D., Maranian, P., Palta, M., Kaplan, R. M., **Hays, R. D.**, Cherepanov, D., & Fryback, D. G. (2011). Health-related quality of life in adults reporting arthritis: Analysis from the National Health Measurement Study. Quality of Life Research, 20, 1131-1140. PMID: PMC3156343
398. Frech, T., **Hays, R. D.**, Maranian, P., Clements, P. J., Furst, D. E., & Khanna D. (2011). Prevalence and correlates of sleep disturbance in systemic sclerosis—results

from the UCLA scleroderma quality of life study. Rheumatology, 50 (7), 1280-1287. PMID: PMC3116211

399. Preston, K. S. J., Reise, S. P., Cai, L., & **Hays, R. D.** (2011). Using the nominal response model to evaluate response category discrimination in the PROMIS emotional distress item pools. Educational and Psychological Measurement, 71, 523-550.
400. Khanna, D., Furst, D. E., Maranian, P., Seibold, J. R., Impens, A., Mayes, M. D., Clements, P. J., Getzug, T., & **Hays, R. D.** (2011). Minimally important differences of the UCLA Scleroderma Clinical Trial Consortium Gastrointestinal Tract instrument. Journal of Rheumatology, 38 (9). PMID: PMC3368014
401. Johnston, M. F., **Hays, R. D.**, Subramanian, S. K., Elashoff, R. M., Axe, E. I, Vargas, R. B., Lee, J., Yang, L., & Hui, K-K. (2011). Patient education integrated with acupuncture for relief of cancer-related fatigue: Randomized controlled feasibility study. BMC Complementary and Alternative Medicine, 11 (1), 49. PMID: PMC3144009
402. Martino, S. C., Elliott, M. N., Kanouse, D. E., Farley, D. O., Burkhart, Q., & **Hays, R. D.** (2011). Depression and the health care experiences of Medicare beneficiaries. Health Services Research, 46 (6pt1):1883-904. PMID: PMC3197881
403. Carle, A. C., Cella, D., Cai, L, Choi, S. W., Crane, P. K., Curtis, S. M., Gruhl, J., Lai, J., Mukherjee, S., Reise, S., Teresi, J., Thissen, D., Wu, E. J., & **Hays, R. D.** (2011). Advancing PROMIS's methodology: Results of the third Patient-Reported Outcomes Measurement Information System (PROMIS®) Psychometric Summit. Expert Review of Pharmacoeconomic and Outcomes Research, 11 (16), 677-684. PMID: PMC3312372
404. Cherepanov, D. Palta, M., Fryback, D. G., Robert, S. A., **Hays, R. D.**, & Kaplan, R. M. (2011). Gender differences in multiple underlying dimensions of health-related quality of life are associated with sociodemographic and socioeconomic status. Medical Care, 49 (11), 1021-1030. PMID: PMC3687080
405. Feeny, D., Spritzer, K., **Hays, R. D.**, Liu, H., Ganiats, T. G., Kaplan, R. M., Palta, M., & Fryback, D. G. (2011). Agreement about identifying patients who change over time: Cautionary results in cataract and heart failure patients. Medical Decision Making, 32 (2), 273-286. PMID: PMC3749910.
406. Bordelon, Y. M., **Hays, R. D.**, Vassar, S. D., Diaz, N., Bronstein, J., & Vickrey, B. G. (2011). Medication responsiveness of motor symptoms in a population-based study of Parkinson's disease. Parkinson's Disease, 967839. PMID: PMC3236449.
407. Yang, F. M., Heslin, K. C., Mehta, K. M., Yang, C-W, Oceptek-Welikson, K., Kleinman, M., Morales, L. S., **Hays, R. D.**, Stewart, A. L., Mungas, D., Jones, R. N., & Teresi, J. A. (2011). A comparison of item response theory-based methods for examining differential item functioning in object naming test by language of assessment among older Latinos. Psychological Test and Assessment Modeling, 53, 440-460. PMID: PMC3588164.
408. Khanna, D., Krishnan, E., Morgan DeWitt, E., Khanna, P. P., Spiegel, B., & **Hays, R. D.** (2011). Patient-Reported Outcomes Measurement Information System (PROMIS®) -- The future of measuring patient reported outcomes in rheumatology.

Arthritis Care Res (Hoboken). 2011 Nov 1;63(S11):S486-S490. PMID: PMC3302685.

409. Kowalski, J.W., Rentz, A. M., Walt, J. G., Lloyd, A., Lee, J., Young, T. A., Chen, W-H., Bressler, N. M., Lee, P., Brazier, J. E., **Hays, R. D.**, & Revicki, D. A. (2012). Rasch analysis in the development of a simplified version of the National Eye Institute Visual-Function Questionnaire-25 for utility estimation. Quality of Life Research, 21, 323-334.
410. Magasi, S., Ryan, G., Revicki, D., Lenderking, W., **Hays RD**, Brod, M., Snyder, C, Boers, M., & Cella, D. (2012). Content validity of patient-reported outcome measures: Perspectives from a PROMIS meeting. Quality of Life Research, 21, 739-746.
411. Weech-Maldonado, R., Dreachslin, J. L., Brown, J., Pradhan, R., Rubin, K. L., Schiller, C., & **Hays, R. D.** (2012). Cultural competency assessment tool for hospitals (CCATH): Evaluating hospitals' adherence to the CLAS standards. Health Care Management Review, 37 (1), 54-66.
412. Xu, H., Thurston, R. C., Matthews, K. A., Bryce, C. L., **Hays, R. D.**, Kapoor, W. N., Ness, R. B., & Hess, R. (2012). Are hot flashes associated with sleep disturbance during midlife? Results from the STRIDE cohort study. Maturitas, 71, 34-38. PMID: PMC3253872
413. Khanna, D., Maranian, P., Rothrock, N., Cella, D., Gershon, R., Khanna, P.P., Spiegel, B., Furst, D. E., Clements, P. J., Bechtel, A., & **Hays, R. D.** (2012). Feasibility and construct validity of PROMIS and "legacy" instruments in an academic scleroderma clinic. Value in Health, 15, 128-134. PMID: PMC3457915
414. Han, P. K. J., Lee, M., Reeve, B. B., Mariotto, A. B., Wang, Z., **Hays, R. D.**, Yabroff, K. R., Topor, M., & Feuer, E. J. (2012). Development of a prognostic model for six-month mortality in older adults with declining health. Journal of Pain and Symptom Management, 43, 527-539. PMID: PMC3289041
415. Hess, R., Thurston, R., **Hays, R. D.**, Chang, C.C.H., Dillon, S. N., Ness, R. B., Bryce, C. L., Kapoor, W. N., & Matthews, K. A. (2012). The impact of menopause on health-related quality of life: Results from the STRIDE longitudinal study. Quality of Life Research, 21, 535-544. PMID: PMC3252474
416. Maglinte, G., **Hays, R. D.**, & Kaplan, R. M. (2012). U.S. general population norms for telephone administration of the SF-36v2. Journal of Clinical Epidemiology, 65 (5), 497-450. PMID: PMC3582698
417. Hsiao, A-F., York, R., Hsiao, I., Hansen, E., **Hays, R.D.**, Ives, J., & Coulter, I. D. (2012). A randomized controlled study to evaluate the efficacy of noninvasive limb cover for chronic phantom limb pain among veteran amputees. Arch Phys Med Rehabil. 2012 Apr;93(4):617-22. PMID: PMC3788569.
418. Weech-Maldonado, R., Elliott, M., Pradhan, R., Schiller, C., Dreachslin, J., & **Hays, R.D.** (2012). Moving towards culturally competent health systems: Organizational and market factors. Social Science & Medicine, 75, 815-822. PMID: PMC3669592
419. Weech-Maldonado, R., Carle, A., Weidmer, B., Hurtado, M., Ngo-Metzger, Q., & **Hays, R. D.** (2012). The Consumer Assessment of Healthcare Providers and Systems

- (CAHPS) Cultural Competence (CC) Item Set. Medical Care. 50 (9), S22-31. PMID: PMC3748811.
420. Weidmer, B., Brach, C., Slaughter, M. E., & **Hays, R. D.** (2012). Development of items to assess patients' health literacy experiences at hospitals for the Consumer Assessment of Healthcare Providers and Systems (CAHPS) Hospital Survey. Medical Care, 50 (9), S12-21. PMID: PMC3784011
 421. Weidmer, B., Brach, C., & **Hays, R. D.** (2012). Development and evaluation of CAHPS® survey items assessing how well healthcare providers address health literacy. Medical Care. 50 (9), S3-11.
 422. Chong, K., Damiano, P. C., & **Hays, R. D.** (2012). Psychometric properties of the Consumer Assessment of Healthcare Providers and Systems (CAHPS®) 4.0 adult health plan survey. Primary Health Care: Open Access, 2: 4.
 423. Chen, A. Y., Elliott, M.N., Spritzer, K. L., Brown, J., Skootsky, S. A., Rowley, C., & **Hays, R. D.** (2012). Differences in CAHPS reports and ratings of health care provided to adults and children. Medical Care., 50, S35-39. PMID: PMC3480654
 424. Haviland, A., Elliott, M.N., Weech-Maldonado, R., Hambarsoomian, K., Orr, N., & **Hays, R. D.** (2012). Racial/ethnic disparities in Medicare Part D experiences. Medical Care, 50, S40-47.
 425. McInnes, D. K., Brown, J. A., **Hays, R. D.**, Gallagher, P., Ralston, J. D., Hugh, M., Kanter, M., Serrato, C. A., Cosenza, C., Halamka, J., Ding, L., & Cleary, P. D. (2012). Development and assessment of CAHPS questions to assess the impact of health information technology on patient experiences with care. Medical Care, 50, S11-19. PMID: PMC3525454
 426. Carle, A. C., Weech-Maldonado, R., Ngo-Metzger, Q., & **Hays, R. D.** (2012). Evaluating measurement equivalence across race and ethnicity on the CAHPS® cultural competence survey. Medical Care, 50 (9, Suppl 2), S32-36. PMID: PMC3471087.
 427. Scholle, S. H., Vuong, O., Ding, L., Fry, S., Gallagher, P., Brown, J. A., **Hays, R. D.**, & Cleary, P.D. (2012). Development of and field-test results for the CAHPS PCMH survey. Medical Care, 50, S2-10.
 428. Weech-Maldonado, R., Elliott, M. N., Pradham, R., Schiller, C., Hall, A., & **Hays, R. D.** (2012). Can hospital cultural competency reduce disparities in patient experiences with care? Medical Care, 50, S48-55. PMID: PMC3726251.
 429. Martino, S. C., Kanouse, D. E., Elliott, M. N., Teleki, S. S., & **Hays, R. D.** (2012). A field experiment on the impact of physician-level performance data on consumers' choice of physician. Medical Care, 50, S65-73. PMID: PMC3480665
 430. Dyer, N., Sorra, J. S., Smith, S. A., Cleary, P.D., & **Hays, R. D.** (2012). Psychometric properties of the Consumer Assessment of Healthcare Providers and Systems (CAHPS®) clinician and group adult visit survey. Medical Care, 50, S28-34. PMID: PMC3480671.
 431. Suskind, A. M., Berry, S. H., Suttorp, M. J., Elliott, M. N., **Hays, R. D.**, Ewing, B. A., & Clemens, J. Q. (2012). Health-related quality of life in patients with interstitial

- cystitis/bladder pain syndrome and frequently associated comorbidities. Quality of Life Research, 22(7):1537-41. PMID: PMC3593950.
432. Crall, J. J., Spritzer K. L., & **Hays R. D.** (2012). Development and implementation of a dental office assessment program. Journal of the American College of Dentists, 79 (3), 33-41.
433. Vassar, S. D., Bordelon, Y. M., **Hays, R. D.**, Diaz, N., Rausch, R., Mao, C., & Vickrey, B. G. (2012). Confirmatory factor analysis of the Motor Unified Parkinson's Disease Rating Scale. Parkinson's Disease. doi:10.1155/2012/719167 PMID: PMC3486132
434. Paz, S. H., Spritzer, K. L., Morales, L. S., & **Hays, R. D.** (2013). Evaluation of the Patient-Reported Outcomes Information System (PROMIS®) Spanish Physical Functioning Items. Quality of Life Research. 22 (7), 18-19-1830. PMID: PMC3683100
435. McGuire, A. W., Eastwood, J., **Hays, R. D.**, Macabasco-O'Connell, A., & Doering, L. V. (2013). Depression screening: Utility of the Patient Health Questionnaire in patients with acute coronary syndrome. American Journal of Critical Care, 22, 12-20.
436. Reeve, B. B., Wyrwich, K. W., Wu, A. W., Velikova, G., Terwee, C. B., Synder, C. F., Schwartz, C., Revicki, D. A., Moinpour, C. M., McLeod, L. D., Lyons, J. C., Lenderking, W. R., Hinds, P. S., **Hays, R. D.**, Greenhalgh, J., Gershon, R., Feeny, D., Fayers, P. M., Cella, D., Brundage, M., Ahmed, S., Aaronson, N. K., Butt, Z. (2013). ISOQOL recommends minimum standards for patient-reported outcome measures used in patient-centered outcomes and comparative effectiveness research. Quality of Life Research, 22, 1889-1905.
437. Paz, S. H., Slotkin, J., McKean-Cowdin, R., Lee, P., Oswley, C., Vitale, S., Varma R., Gershon, R., & **Hays, R.D.** (2013). Development of a vision-targeted health related quality of life measure. Quality of Life Research, 22, 2477-2487. PMID: PMC372229.
438. Varma, R., McKean-Cowdin, R., Vitale, S., Slotkin, J., & **Hays, R. D.** (2013). Vision assessment using the NIH Toolbox. Neurology, 80 (11 Suppl 3), S37-40. PMID: PMC3662341
439. Beaumont, J., Havlik, R., Cook, K., **Hays, R. D.**, Wallner-Allen, K., Korper, S., Lai, J-S., Nord, C., Zill, N., Choi, S., Yost, K., Ustinovich, V., Brouwers, P., Hoffman, H., & Gershon, R. C. (2013). Norming plans for the NIH Toolbox. Neurology, 80 (11, Suppl 3), S87-92. PMID: PMC3662345
440. Templin, T. N., **Hays, R. D.**, Gershon, R. C., Rothrock, N., Jones, R. N., Teresi, J. A., Stewart, A., Weech-Maldonado, R., & Wallace, S. (2013). Introduction to patient-reported outcome item banks: Issues in minority aging research. Expert Review of Pharmacoeconomics & Outcomes Research, 13, 183-186. PMID: PMC4004066.
441. Paz, S. H., Spritzer, K. L., Morales, L. S., & **Hays, R. D.** (2013). Age-related differential item functioning for the Patient-Reported Outcomes Information System (PROMIS®) physical functioning items. Primary Health Care, 3 (131). doi:10.4172/2167-1079.1000131. PMID: PMC3774524 .

442. Bharmal, N., **Hays, R. D.**, & McCarthy, W. J. (2013). Validity of temporal measures as proxies for measuring acculturation in Asian Indian survey respondents. Journal of Immigrant Minority Health, 16(5):889-97. PMID: PMC3905052.
443. Quigley, D. D., Martino, S. C., Brown, J. A., & **Hays, R.D.** (2013). Evaluating the content of the communication items in the CAHPS® Clinician and Group Survey and supplemental items with what high-performing physicians say they do. Patient, 6(3), 169-177.
444. **Hays, R. D.**, Spritzer, K. L., Amtmann, D., Lai, J-S., DeWitt, E. M., Rothrock, N., DeWalt, D. A., Riley, W. T., Fries, J. F., & Krishnan, E. (2013). Upper-extremity and mobility subdomains from the Patient-Reported Outcomes Measurement Information System (PROMIS) adult physical functioning item bank. Archives of Physical Medicine and Rehabilitation, 94, 2291-2296. PMID: PMC3812258
445. Bergeson, S. C., Gray, J., Laibson, T., Ehrmantraut, L. A., & **Hays, R. D.** (2013). CG CAHPS®: Comparing an e-mail invitation and web-based data collection with a mailed invitation and survey. Primary Health Care: Open Access, 3(1);132. PMID: PMC3783026.
446. Hahn, E.E., **Hays, R. D.**, Kahn, K. L., Litwin, M.S., & Ganz, P. A. (2013). Use of imaging and biomarker tests for post-treatment care of early stage breast cancer survivors. Cancer, 15;119(24):4316-24.
447. Craig, B. M., **Hays, R. D.**, Pickard A. S., Cella, D., Revicki, D. A., & Reeve, B. B (2013). Comparison of US panel vendors for online surveys. Journal of the Medical Internet Research, 15 (11), e260. PMID: PMC3869084
448. Avidan, A., **Hays, R. D.**, Diaz, N., Bordelon, Y., Thompson, A. W., Vassar, S. D., & Vuckrey, B. G. (2013). Associations of sleep disturbance symptoms with health-related quality of life in Parkinson's disease. J Neuropsychiatry Clin Neurosci, 25, 319-326. PMID: PMC3960993.
449. Craig, B. M., Reeve, B. B., Cella, D., **Hays, R. D.**, Pickard A. S., & Revicki, D. A. (2013). Demographic differences in health preferences in the United States. Medical Care, 52(4):307-13 PMID: PMC4031273.
450. **Hays, R.D.**, Reeve, B. B., Smith, A. W., & Clauser, S. B. (2014). Associations of cancer and other chronic medical conditions with SF-6D preference-based scores in Medicare beneficiaries. Quality of Life Research, 23, 385-391. PMID: PMC3938981
451. Fayers, P. M., & **Hays, R. D.** (2014). Don't middle your MIDs: Regression to the mean shrinks estimates of minimally important differences. Quality of Life Research, 23, 1-4. PMID: PMC3961825
452. **Hays, R. D.**, Martino, S., Brown, J., Cui, M., Cleary, P., Gaillot, S., & Elliott, M. (2014). Evaluation of a care coordination measure for the Consumer Assessment of Healthcare Providers and System (CAHPS®) Medicare Survey. Medical Care Research and Review, 71, 192-202. PMID: PMC3959996.
453. Craig, B. M., Reeve, B. B., Brown, P. M., Cella, D., **Hays, R. D.**, Lipscomb, J., Pickard, A. S., & Revicki, D. A. (2014). US valuation of health outcomes measured using the PROMIS-29. Value in Health, 17 (8), 846-853.

454. Quigley, D.D, Elliott, M.N., Burkhart, Q, Farley, D.O., Skootsky, S.A., & **Hays, R.D.** (2014). Specialities differ in which aspects of doctor communication predict overall physician ratings. Journal of General Internal Medicine, 29, 447-454. PMID: PMC3930786
455. McGuire, A. W., Eastwood, J., **Hays, R. D.**, Macabasco-O'Connell, A., & Doering, L. V. (2014). Depressed or not depressed: Untangling symptoms of depression in patients hospitalized with coronary heart disease. American Journal of Critical Care, 23, 106-116.
456. Rentz, A., Kowalski, J., Walt, J. G., **Hays, R. D.**, Brazier, J. E., Yu, R., Lee, P., Bressler, N., & Revicki, D. A. (2014). Development of a preference-based index from the National Eye Institute Visual Function Questionnaire-25. JAMA Ophthalmology, 132 (3), 310-318. PMID: PMC4357476.
457. Fayers, P.M., & **Hays, R. D.** (2014). Should linking replace regression when mapping from profile to preference-based measures? Value in Health, 17, 261-265.
458. Calderón, J. L., Shaheen, M., **Hays, R. D.**, Fleming, E. S., Norris, K. C., & Baker, R. S. (2014). Improving diabetes health literacy by animation. Diabetes Educator, 40 (3), 361-372.
459. **Hays, R. D.**, Berman, L. J., Kanter, M. H., Hugh, M., Oglesby, R. R., Kim, C. Y., Cui, M., & Brown, J. (2014). Evaluating the psychometric properties of the CAHPS patient-centered medical home survey. Clinical Therapeutics, 36 (5), 689-696. PMID: PMC4087122.
460. Cappelleri, J. C., Lundy, J.J., & **Hays, R. D.** (2014). Overview of classical test theory and item response theory for quantitative assessment of items in developing patient-reported outcome measures. Clinical Therapeutics, 36 (5), 648-662. PMID: PMC4096146.
461. Nagaraja, V. **Hays, R.D.**, Khanna, P. P., Spiegel, B. M., Chang, L., Melmed, G. Y., Bolus, R., & Khanna, D.. (2014). Construct validity of the Patient Reported Outcomes Measurement Information System Gastrointestinal Symptom Scales in Systemic Sclerosis. Arthritis Care and Research, 1725-1730.
462. Cohen, E., Bolus, R., Khanna, D., **Hays, R. D.**, Chang, L., Melmed, G. Y., Khanna, P., & Spiegel, B. (2014). GERD symptoms in the general population: Prevalence and severity versus care-seeking patients. Dig Dis Sci, 59, 2488-2496.
463. Drake, C., **Hays, R. D.**, Morlock, R., Wang, F., Shikiar, R., Frank, L., Downey, R., & Roth, T. (2014). Development and evaluation of a measure to assess restorative sleep. Journal of Clinical Sleep Medicine, 10, 733-741.
464. Wood, R., Paoli, C. J., **Hays, R. D.**, Taylor-Stokes, G., Piercy, J., & Gitlin, M. (2014). Evaluation of the Consumer Assessment of Healthcare Providers and Systems In-Center Hemodialysis Survey (CAHPS-ICH). Clinical Journal of the American Society of Nephrology, 9, 1099-1108. PMID: PMC4046733.
465. Weidmer, B., Cleary, P. D., Keller, S., Evensen, C., Hurtado, M., Kosiak, B., Gallagher, P., Levine, R., & **Hays, R. D.** (2014). Development and evaluation of the CAHPS (Consumer Assessment of Healthcare Providers and Systems) survey for in-

- center hemodialysis patients. American Journal of Kidney Diseases, 64(5):753-60. PMID: PMC4356523 [Available on 2015-11-01]
466. Anhang Price, R., Elliott, M. N., Zaslavsky, A. M., **Hays, R. D.**, Lehrman, W. G., Rybowski, L., Edgman-Levitan, S., & Cleary, P. D. (2014). Examining the role of patient experience surveys in measuring health care quality. Medical Care Research and Review, 71, 522-554. PMID: PMC4349195.
467. Hess, R., Tindle, H., Conroy, M. B., Clark, S., Yablonsky, E., & **Hays, R. D.** (2014). A randomized controlled trial of the functional assessment screening tablet to engage patients at the point of care. Journal of General Internal Medicine, 29 (12), 1641-1649.
468. Khanna, P., Agarwal, N., Khanna, D., **Hays, R. D.**, Chang, L., Bolus, R., Melmed, G., Whitham, C., Kaplan, R. M., Ogawa, R., Snyder, B., & Spiegel, B. (2014). Development of an online library of patient reported outcome measures in gastroenterology: The GI-PRO database. American Journal of Gastroenterology, 109, 234-248.
469. Spiegel, B., **Hays, R. D.**, Bolus, R., Melmed, G. Y., Chang, L., Whiteman, C., Khanna, P. P., Paz, S. H., Hays, T., Reise, S., & Khanna, D. (2014). Development of the NIH Patient Reported Outcomes Measurement Information System (PROMIS®) Gastrointestinal Symptom Scales. American Journal of Gastroenterology. 109(11), 1804-14. PMID: PMC 109(11):1804-14.
470. Xu, X., Buta, E., Anhang Price, R., Elliott, N. N., **Hays, R. D.**, & Cleary, P. D. (2014). Methodological considerations when studying the association between patient-reported care experiences and mortality. Health Services Research. 50(4), 1146-61.
471. Kent, E. E., Ambs, A., Mitchell, S. A., Clauser, S. B., Smith, A. W., & **Hays, R. D.** (2015). Health-related quality of life in older adult survivors of selected cancers: Data from the SEER-MHOS linked data resource. Cancer. 121(5), 758-65. PMID: PMC4546846 [Available on 2016-03-01]
472. **Hays, R.D.**, Spritzer, K. L., Fries, J. F., & Krishnan, E. (2015). Responsiveness and minimally important difference for the Patient-Reported Outcomes Measurement and Information System (PROMIS) 20-Item Physical Functioning Short-Form in a Prospective Observational study of Rheumatoid Arthritis. Annals of the Rheumatic Diseases. 74(1):104-7. PMID: PMC3976454.
473. Anhang Price, R., Elliott, M.N., Cleary, P.D., Zaslavsky, A. M., & **Hays, R. D.** (2015). Should health care providers be accountable for patients' care experiences? Journal of General Internal Medicine, 30, 253-256.
474. Irwin, D. E., Atwood, C. A., **Hays, R. D.**, Spritzer, K., Liu, H., Donohue, J. F., Leidy, N. K., Yount, S. E., & DeWalt, D. A. (2015). Correlation of PROMIS scales and clinical measures among chronic obstructive pulmonary disease patients with and without exacerbations. Quality of Life Research, 24, 999-1009.
475. Chawla, N., Urato, M., Ambs, A., Schussler, N., **Hays, R. D.**, Clauser, S. B., Zaslavsky, A. M., Schwartz, M., Halpern, M., Gaillot, S., Goldstein, E. H., & Arora, N. K. (2015). Unveiling SEER-CAHPS®: A new data resource for quality of care research. Journal of General Internal Medicine, 30, 641-650.

476. Barr, C., Marols, M., Sim, I., Schmid, C. H., Wilsey, B., Ward, D., Duan, N., **Hays, R. D.**, Selsky, J., Servadio, J., Schwartz, M., Dsouza, C., Dhammi, N., Holt, Z., Baquero, V., MacDonald, S., Jerant, A., Sprinkle, R., & Kravitz, R. L. (2015). The PREEMPT study—evaluating smartphone-assisted n-of-1-trials to patients with chronic pain: Study protocol for a randomized controlled trial. *Trials*, 16 (1): 590. PMID: PMC4367894.
477. **Hays, R. D.**, Spritzer, K. L., Thompson, W. W., & Cella, D. (2015). U.S. general population estimate for “excellent” to “poor” self-rated health item. *Journal of General Internal Medicine*. 30 (10), 1511-6. PMID: PMC4579204
478. Fung, C. H., Martin, J.L., **Hays, R. D.**, Rodriguez, J. C., Igodan, U., Jouldjian, S., Dzierzewski, J. M., Kramer, B. J., Josephson, K., & Alessi, C. (2015). Development of the usability of sleep apnea equipment—positive airway pressure (USE-PAP) questionnaire. *Sleep Medicine*. 16(5), 645-51. PMID: PMC4426010
479. Fongwa, M. N., Nandy, K., Yang, Q., & **Hays, R. D.** (2015). The Facilitators of and barriers to Adherence to Hypertension Treatment Scale (FATS). *Journal of Cardiovascular Nursing*, 30, 484-490.
480. Kenrik, K. M., Ganz, P. A., Martin, M. Y., Petersen, L., **Hays R. D.**, Arora, N. & Pisu, M. (2015). How much do cancer-related symptoms contribute to health-related quality of life in lung and colorectal cancer patients? A report from the Cancer Care Outcomes Research and Surveillance (CanCORS) Consortium. *Cancer*. 121(16):2831-9. PMID: PMC4529790 [Available on 2016-08-15]
481. Flynn, K. E., Dew, M. A., Lin, L., Fawzy, M., Graham, F. L., Hahn, E. A., **Hays, R. D.**, Kormos, R. L., Liu, H., McNulty, M., & Weinfurt, K. P. (2015). Reliability and construct validity of PROMIS measures for patients with heart failure who undergo heart transplant. *Quality of Life Research*, 24, 2591-2599.
482. Maida, C. A., Marcus, M., **Hays, R. D.**, Coulter, I. D., Ramos-Gomez, F., Lee, S. Y., McClory, P. S., Laura, V. V., Wang, Y., Shen, J., Cai, L., Spolsky, V. W., Crall, J. J., & Liu, H. (2015). Child and adolescent perceptions of oral health over the life course. *Quality of Life Research*, 24, 2739-2751.
483. Quigley, D. D., Mendel, P. J., Predmore, Z. S., Chen, A. Y., & **Hays, R. D.** (2015). Use of CAHPS® patient experience survey data as part of a patient-centered medical home quality improvement initiative. *Journal of Healthcare Leadership*, 7, 41-54.
484. Hahn, E. E., **Hays, R. D.**, Kahn, K. L., Litwin, M. S., & Ganz, P. A. (2015). Post-traumatic stress symptoms in cancer survivors: Relationship to the Impact of Cancer scale and other assorted risk factors. *Psycho-Oncology*, 24, 643-652. PMID: PMC4400255.
485. **Hays, R. D.**, Liu, H., & Kapteyn, A. (2015). Use of internet panels to conduct surveys. *Behavior Research Methods*., 47 (3), 685-690.
486. Schalet, B. D., Rothrock, N. E., **Hays, R. D.**, Kazis, L. E., Cook, K. F., Rutsohn, J. P., & Cella, D. (2015). Linking physical and mental health summary scores from the Veterans RAND 12-item health survey (VR-12) to the PROMIS global health scale. *Journal of General Internal Medicine*, 30(10), 1524-30. PMID: PMC4579239

487. Calderón, J. L, Norris, K. C., Hardigan, P., Calderón, L. A., & **Hays, R. D.** (2015). Case study of an unsustainable community-academic partnership: Towards core standards for the structure of emerging participatory research. *Ethnicity and Disease*, 25 (3), 363-372.
488. Hanmer, J., Feeny, D., Fischhoff, B., **Hays, R. D.**, Hess, R., Pilkonis, P. Revicki, D., Roberts, M., Tsevat, J., & Yu, L. (2015). The PROMIS of QALYs. *Health and Quality of Life Outcomes*, 13: 122. PMID: PMC4530486.
489. Carle, A. C., Riley, W., **Hays, R. D.**, & Cella, D. (2015). Confirmatory factor analysis of the patient reported outcomes measurement information system (PROMIS) adult domain framework using item response theory scores. *Medical Care*, 53, 894-900.
490. Laucis, N. C., **Hays, R. D.**, & Bhattacharya, T. (2015). Scoring the SF-36 in orthopaedics: A brief guide. *J Bone Joint Surg Am*, 97, 1628-1634.
491. **Hays, R. D.**, Mallett, J. S., Gaillot, S., & Elliott, M. N. (2016). Performance of the Medicare Consumer Assessment of Healthcare Providers and Systems (CAHPS®) Physical Functioning Items. *Medical Care*, 54, 205-9. PMID: PMC4713233.
492. Mayer, L. A., Elliott, M. ., Haas, A., **Hays, R. D.** & Weinick, R. M. (2016). Less Use of Extreme Response Options by Asians to Standardized Care Scenarios May Explain Some Racial/Ethnic Differences in CAHPS Scores. *Medical Care*, 54, 38-44. PubMed PMID: 26783857.
493. McLeod, L. D., Cappelleri, J. C., & **Hays, R. D.** (2016). Best (but oft forgotten) practices: Expressing and interpreting associations and effect sizes in clinical outcome assessments. *American Journal of Clinical Nutrition*, 103, 685-693.
494. Brown, J. A., Serrato, C. A., Hugh, M., Kanter, M., Spritzer, K. L., & **Hays, R. D.** (2016). Effect of a post-paid incentive on response rates to a web-based survey. *Survey Practice*, 9 (1).
495. Stucky, B. D., **Hays, R. D.**, Edelen, M. O., Gurvey, J., & Brown, J. A. (2016). Possibilities for shortening the CAHPS clinician and group survey. *Medical Care*, 54, 32-37.
496. Hoffman, G. J., **Hays, R. D.**, Shapiro, M. F., Wallace, S. P., & Ettner, S. L. (2016). Claims-based identification methods and the cost of fall-related injuries among U.S. older adults. *Medical Care*, 54 (7), 664-671.
497. Schalet, B. D., **Hays, R. D.**, Jensen, S. E., Beaumont, J. L., Fries, J. F., & Cella, D. (2016). Validity of PROMIS physical function measures in diverse clinical samples. *Journal of Clinical Epidemiology*, 73, 112-118.
498. Martino, S. C., Elliott, M. N., Hambarsoomian, K., Weech-Maldonado, R., Gaillot, S., Haffer, S. C., & **Hays, R. D.** (2016). Racial/ethnic disparities in Medicare beneficiaries' care coordination experiences. *Medical Care*, 54 (8), 765-771.
499. Stika, C. J., & **Hays, R. D.** (2016). Development and psychometric evaluation of a health-related quality of life instrument for individuals with adult-onset hearing loss. *International Journal of Audiology*, 55 (7), 381-389.
500. **Hays, R. D.**, Revicki, D. A., Feeny, D., Fayers, P., Spritzer, K. L., & Cella, D. (2016). Using linear equating to MAP PROMIS global health items and the PROMIS-29 V. 2

- Profile measure to the Health Utilities Index—Mark 3. Pharmacoeconomics, 34, 1015-1022.
501. Mendez-Luck, C., Geldhof, J., Anthony, K., Steers, W. N., Magione, C., & **Hays, R. D.** (2016). Orientation to the caregiver role among Latina of Mexican-origin. Gerontologist., 56 (6), e99-e108.
502. Liu, H., **Hays, R. D.**, Marcus, M., Coutler, I., Maida, C., Ramos-Gomez, F., Shen, J., Wang, Y., Spolsky, V., Lee, S., Cai, L., & Crall, J. (2016). Patient-reported oral health outcome measurement for children and adolescents. BMC Oral Health, 16 (1): 95.
503. Carballo, N.J., Alessi, C. A., Martin, J. L., Mitchell, M. N., **Hays, R. D.**, Col, N., Patterson, E. S., Jouldjian, S., Josephson, K., & Fung, C. H. (2016). Perceived effectiveness, self-efficacy, and social support for oral appliance therapy among older Veterans with obstructive sleep apnea. Clinical Therapeutics., 38 (11), 2407-2415.
504. Brodsky, M., Spritzer, K., **Hays, R. D.**, & Hui, K. (2016). Change in health-related quality of life at group and individual levels over time in patients treated for chronic myofascial neck pain. Journal of Evidence-Based Complementary and Alternative Medicine, 22(3): 365-368. PMID: 2753992.
505. Fung, C.H., Alessi, C., Truong, C., Josephson, K., **Hays, R.D.**, Col, N., Patterson, E.S., & Martin, J.L. (2017). Patient-provider communication with older adults about sleep apnea diagnosis and treatment. Behavioral Sleep Medicine., 15 (6), 423-437.
506. Hoffman, G. J., **Hays, R. D.**, Shapiro, M. F., Wallace, S. P., & Ettner, S. L. (2017). The costs of fall-related injuries among older adults: Annual per-faller, service component, and patient out-of-pocket costs. Health Services Research., 52 (5), 1794-1816.
507. Moinpour, C. M., Donaldson, G. W., Davis, K. M., Potosky, A. L., Jensen, R. E., Gralow, J. R., Back, A. L., Wang, J. J., Yoon, J., Bernard, D. L., Loeffler, D. R., Rothrock, N. E., **Hays, R. D.**, Reeve, B. B., Smith, A. W. Hahn, E. A., & Cella, D. (2017). The challenge of measuring intra-individual change in fatigue during cancer treatment. Quality of Life Research., 26(2):259-271.
508. Paz, S. H., Jones, L., Calderón, J., & **Hays, R. D.** (2017). Readability and comprehension of the Geriatric Depression Scale and the PROMIS® physical function items in older African Americans and Latinos. Patient, 10 (1):117-131.
509. Lee, A D., Spiegel, B. M., **Hays, R. D.**, Melmed, G. Y., Bolus, R., Khanna, D., Khanna, P. P., & Chang, L. (2017). Gastrointestinal symptoms severity in irritable bowel syndrome, inflammatory bowel disease and the general population. Neurogastroenterology & Motility, 29 (5): e13003.
510. Jensen, R. E., Moinpour, C. M., Potosky A. L., Lobo, T., Hahn, E., Stull, D., Ganz, P. A., **Hays, R. D.**, Cella, D., Smith, A., Wu, X-C., Keegan, T. H. M., & Eton, D. T. (2017). Responsiveness of 8 Patient-Reported Outcomes Measurement Information System (PROMIS) measures in a large, community-based cancer study cohort. Cancer, 123(2):327-335.
511. Gupta, R., Moriatis, C., Harrison, J. D., Valencia, V., Ong, M., Clarke, R., Steers, N., **Hays, R. D.**, Braddock, C. H., & Wachter, R. M. (2017). Development of a high-value

- care culture survey: A modified Delphi process and psychometric evaluation. BMJ Quality & Safety, 26 (6), 475-483.
512. Jennings, L., Palimaru, A., Corona, M. G., Cagigas, X. E., Ramirez, K. D., Zhao, T., **Hays, R. D.**, Wenger, N. S., & Reuben, D. B. (2017). Patient and caregiver goals for dementia care. Quality of Life Research, 26(3):685-693. DOI 10.1007/s 11136-016-1471-7.
513. Hoffman, G. J., **Hays, R. D.**, Wallace, S. P., Shapiro, M. F., Yakusheva, O., & Ettner, S. L. (2017). Receipt of caregiving and fall risk in U.S. community-dwelling older adults. Medical Care, 55 (4), 371-378.
514. Quigley, D.D., Palimuru A.I., Chen A.Y., & **Hays R.D.** (2017). Implementation of practice transformation: Patient experience according to practice leaders. Quality Management in Health Care, 26 (3), 140-151.
515. **Hays, R. D.**, Tarver, M. E., Spritzer, K. L., Reise, S., Hilmantel, G., Hofmeister, E. M., Hammel, K., May, J., Ferris, F., & Eydelman, M. (2017). Psychometric properties of a questionnaire assessing patient-reported outcomes with LASIK (PROWL). JAMA Ophthalmology, 135 (1), 3-12.
516. Eydelman, M., Hilmantel, G., Tarver, M. E., Hofmeister, E. M., May, J., Hammel, K., **Hays, R. D.**, & Ferris, F. (2017). Symptoms and satisfaction in the LASIK Quality of Life Collaboration Project. JAMA Ophthalmology., 135 (1), 13-22.
517. **Hays, R. D.**, Chawla, N., Kent, E. E., & Arora, N. K. (2017). Measurement equivalence of the Consumer Assessment of Healthcare Providers and Systems (CAHPS®) Medicare Survey Items between Non-Hispanic Whites and Asians. Quality of Life Research, 26, 311-318.
518. Khanna, D., **Hays, R. D.**, Shreiner, A. B., Melmed, G. Y., Change, L., Khanna, P. P., Bolus, R., Whitman, C., Paz, S. H., Hays, T., Reise, S. P., & Spiegel, B. (2017). Responsiveness to change and minimally important differences of the Patient Reported Outcomes Measurement Information System Gastrointestinal Symptoms Scale. Digestive Diseases and Sciences, 62 (5), 1186-1192.
519. Hoffman, G. J., **Hays, R. D.**, Wallace, S. P., Shapiro, M. F., & Ettner, S. L. (2017). Depressive symptomatology and fall risk among community-dwelling older adults. Social Science & Medicine, 178, 206-213.
520. Palimaru, A., & **Hays, R. D.** (2017). Associations of health-related quality of life with overall quality of life in the Patient-Reported Outcomes Measurement Information System (PROMIS®) Project. Applied Research in Quality of Life, 12, 241-250.
521. Paz, S., Spritzer, K. L., Reise, S. P., & **Hays, R. D.** (2017). Differential item functioning of the Patient-Reported Outcomes Measurement Information System (PROMIS) Pain Interference Item Bank by Language (Spanish vs. English). Quality of Life Research, 26, 1451-1462.
522. **Hays, R. D.**, Schalet, B. D., Spritzer, K. L., & Cella, D. (2017). Two-item PROMIS global physical and mental health scales. JPRO 1:2.
523. Palimaru, A., Cunningham, W. J., Dillistone, M., Vargas-Bustamante, A., Liu, H., & **Hays, R. D.** (2017). A comparison of perceptions of quality of life among adults with

spinal cord injury in the United States versus the United Kingdom. Quality of Life Research, 26, 3143-3155.

524. Peipert, J. D., & **Hays, R. D.** (2017). Using patient reported measures in dialysis clinics. Clinical Journal of the American Society of Nephrology, 12, 1889-1891.
525. Hanmer J, Cella, D, Feeny, D., Fischhoff, B., **Hays, R.D.**, Hess, R., Pilkonis, P.A., Revicki, D.A., Roberts, M.S., Tsevat, J., & Yu L. (2017). Selection of key health domains from PROMIS® for a generic preference-based scoring system. Quality of Life Research, 26, 3377-3385.
526. Mollica, M. A., Enewold, L., Lines, L., Halpern, M., Schumacher, J., **Hays, R. D.**, Gibson, J. T., Schussler, N., & Kent, E. E. (2017). Examining colorectal cancer survivors' surveillance patterns and experiences of care: A SEER-CAHPS study. Cancer Causes and Control, 28, 1133-1141.
527. Khanna, D., **Hays, R. D.**, & Furst, D. E. (2017). Functional disability and other health-related quality-of-life domains: Points to consider for clinical trials in systemic sclerosis. Rheumatology, 56 (suppl 5), V1-V22.
528. **Hays, R. D.**, Calderón, J. L., Spritzer, K. L., Reise, S. P., & Paz, S. H. (2017). Differential item functioning and person fit on the PROMIS physical functioning items among children and adolescents. Quality of Life Research, 27 (1), 235-247.
529. Peipert, J. D., & **Hays, R. D.** (2017). Methodological considerations in using patient reported measures in dialysis clinics. JPRO, 1: 11. <https://doi.org/10.1186/s41687-017-0010-9>
530. Quigley, D. D., Predmore, Z. S., & **Hays, R. D.** (2017). Tools to gauge progress during patient-centered medical home transformation. American Journal of Accountable Care, 5(4), e8-e18.
531. Peipert, J., Palimaru, A., Brown, J. A., Cui, M., & **Hays, R. D.** (2017). Differences in mail and telephone responses to the CAHPS in-center hemodialysis survey. Annals of Clinical Nephrology, 1 (1).
532. Fung, C. H., Martin, J. L., **Hays, R. D.**, Patterson, E. S., Aysola, R., Coi, N., Mitchell, M. N., Truong, C., Dzierzewski, J. M., Jouldjian, S., Song, Y., Rodriguez, J. C., Josephson, K., & Alessi, C. (2017). The patient-reported usability of positive airway pressure equipment is associated with adherence in older adults. Sleep, 40 (3).
533. Setodji, C. M., Quigley, D. D., Elliott, M. N., Burkhart, Q., Hochman, M. E., Chen, A. Y., & **Hays, R. D.** (2017). Patient experiences with care differ with chronic care management in a federally qualified community health center. Popul Health Manag, 20(6), 442-448.
534. Reise, S., Rodriguez, A., Spritzer, K. L., & **Hays, R. D.** (2017). Alternative approaches to addressing non-normal distributions in the application of IRT models to personality measures. J Personality Assessment, 100(4),363-374
535. Hosseini, K., Bourque, L. B., & **Hays, R. D.** (2018) Development and evaluation of a measure of patient-reported symptoms of blepharitis. Health and Quality of Life Outcomes, 16:11.

536. Oberdhan, D., Cole, J. C., Krasa, H. B., Cheng, R., Czerwiec, F. S., **Hays, R. D.**, Chapman, A. B., & Perrone, R. D. (2018). Development of the autosomal dominant polycystic kidney disease impact scale: A new health-related quality of life instrument. American Journal of Kidney Disease, 71 (2), 225-235.
537. Quigley, D. D., Elliott, M. N., Setodji, C. M., & **Hays, R. D.** (2018). Quantifying magnitude of group-level differences in patient experiences with health care. Health Services Research, 53 (4), 3027-3051.
538. Maida, C. A., Marcus, M., **Hays, R. D.**, Coulter, I. D., Ramos-Gomez, F., Lee, S. Y., McClory, P. S., Van, L. V., Wang, Y., Shen, J., Lau, B., Spolsky, V. W., Crall, J. J., & Liu, H. (2018). Qualitative methods in the development of a parent survey of children's oral health status. JPRO, 2:7.
539. Peipert, J. D., Bentler, P. M., Klicko, K., & **Hays, R. D.** (2018). Psychometric properties of the Kidney Disease Quality of Life 36-item short-form survey (KDQOLTM-36) in the United States. American Journal of Kidney Disease, 71 (4), 461-468.
540. **Hays, R. D.**, Spritzer, K. L., Schalet, B. D., & Cella, D. (2018). PROMS®-29 v2.0 profile physical and mental health summary scores. Quality of Life Research, 27, 1885-1891.
541. Hanmer, J., Cella, D., Feeny, D., Fischhoff, B., **Hays, R. D.**, Hess, R., Pilkonis, P. A., Revicki, D., Roberts, M., Tsvet, J., & Yu, L. (2018). Evaluation of options for presenting health states from PROMIS® item banks for valuation exercises, Quality of Life Research, 27 (7), 1835-1843.
542. Palimaru, A. I., Cunningham, W. E., Dillistone, M., Vargas-Bustamante, A., Liu, H., & **Hays, R. D.** (2018). Development and psychometric evaluation of a fatigability index for full-time wheelchair users with spinal cord injury. Archives of Physical Medicine and Rehabilitation, 99, 1827-1839.
543. DeWitt, B., Feeny, D., Fischhoff, B., Cella, D., **Hays, R. D.**, Hess, R., Pilkonis, P.A., Revicki, D. A., Roberts, M.S., Tsevat, J., Lan, Y., & Hanmer, J. (2018). Estimation of a preference-based summary score for the Patient-Reported Outcomes Measurement Information System: The PROMIS®-Preference (PROPr) Scoring System. Medical Decision Making, 38(6), 683-698.
544. **Hays R. D.**, Mallett, J. S., Haas, A., Kahn, K., Martino, S., Gaillot, S., & Elliott, M. (2018). Associations of CAHPS composites with global ratings vary by Medicare beneficiaries' health status. Medical Care, 56, 736-739.
545. Peipert, J. D., Bentler, P., Klicko, K., & **Hays, R. D.** (2018) Negligible impact of differential item functioning between black and white dialysis patients on the Kidney Disease Quality of Life 36-item short-form survey (KDQOLTM-36). Quality of Life Research, 27(10), 2699-2707.
546. Marcus, M., Maida, C. A., Wang, Y., Xiong, D., **Hays, R. D.**, Coulter, I. D., Lee, S. Y., Spolsky, V. W., Shen, J., Crall, J. J., & Liu, H. (2018). Child and parent demographic characteristic and oral health perceptions associated with clinically measures oral health. JDR Clin Trans Res, 3(3), 302-313.

547. Hanmer, J., Dewitt, B., Yu, L., Tsevat, J., Roberts, M., Revicki, D., Pilkonis, P., Hess, R., **Hays, R. D.**, Fischhoff, B., Feeny, D., Condon, D., & Cella, D. (2018). Cross-sectional validation of the PROMIS-Preference scoring system. *PLoS ONE*, *13* (7), e0201093.
548. Peipert, J. D., Jennings, L. A., **Hays, R. D.**, Wenger, N. S., Keeler, E., & Reuben, D. B. (2018). A composite measure of caregiver burden in dementia: The dementia burden scale—caregiver. *Journal of the American Geriatrics Society*, *66* (9), 1785-1789.
549. Herman, P. M., Kommareddi, M., Sorbero, M. E., Rutter, C. M., **Hays, R. D.**, Hilton, L. G., Ryan, G. W., & Coulter, I. D. (2018). Characteristics of chiropractic patients being treated for chronic low back and neck pain. *Journal of Manipulative and Physiological Therapeutics*, *41*, 445-455.
550. Kravitz, R., Schmid, C. H., Marois, M., Wilsey, B., Ward, D., **Hays, R. D.**, Duan, N., Wang, Y., MacDonale, S., Jerant, A., Servadio, J. L., Haddad, D., & Sim, I. (2018). Effect of mobile device-supported single-patient multi-crossover trials on treatment of chronic musculoskeletal pain: A randomized clinical trial. *JAMA Internal Medicine*, *178*(10), 1368-1377.
551. Cefalu M.S., Elliott, M. N., Setodji, C. M. Cleary, P. M., & **Hays, R. D.** (2018). The role of multidimensionality in hospital quality reporting. *Health Services Research*, *54*(2), 502-508.
552. Jennings, L. A., Ramirez, K. D., **Hays, R. D.**, Wenger, N. S., & Reuben, D. B. (2018). Personalized goal attainment in dementia care: Measuring what persons with dementia and their caregivers want. *Journal of the American Geriatrics Society*, *66*(11), 2120-2127.
553. Liu, H., **Hays, R.**, Wang, Y. Marcus, M., Maida, C., Shen, J., Xiong, D., Lee, S., Spolsky, V., Coulter, I., & Crall, J. (2018). Short form development for oral health patient-reported outcome evaluation in children and adolescents. *Quality of Life Research*, *27*, 1599-1611.
554. Coulter, I., Herman, P., Ryan, G., Hilton, L., **Hays, R. D.**, and members of CERC team (2019). The challenge of determining appropriate care in the era of patient-centered care and rising health care costs. *Journal of Health Services Research & Policy*, *24*(3), 201-206.
555. Peipert, J. D., **Hays, R. D.**, Anderson, C., Beaumont, J. L., Mittman, B. & Waterman, A. D. (2019). Measures characteristics of the Knowledge Assessment of Renal Transplantation. *Transplantation*, *103*, 565-572.
556. Palimaru, A. I., Cunningham, W. E., Dillistone, M., Vargas-Bustamante, A., Liu, H., & **Hays, R. D.** (2019). Preferences of adults with spinal cord injury for widely used health-related quality of life and subjective well-being measures. *Journal of Spinal Cord Medicine*, *42*(3), 298-309.
557. Peipert, J. D., Nair, D., Klicko, K., Schatell, D., & **Hays, R. D.** (2019). Kidney Disease Quality of Life 36-item short form survey (KDQOL-36™) normative values for the United States dialysis population and new single summary score. *J Am Soc Nephrol*, *30*(4), 654-663.

558. Elliott, M. N., Kallaur, P., Brown, J. A., **Hays, R. D.**, Orr, N. E., Zaslavsky, A. M., Beckett, M. K., Gaillot, S. J., Edwards, C. A., & Haviland, A. M. (2019). A randomized experiment using predicted Spanish preference to target bilingual mailings in a mail survey with telephone follow-up. *Health Services Research*, *54*(1), 5-12.
559. **Hays, R. D.**, Spritzer, K. L., Sherbourne, C. D., Ryan, G. W., & Coulter, I. D. (2019). Group and individual-level change on health-related quality of life in chiropractic patients with chronic low back or neck pain. *Spine*, *44*(9), 647-651.
560. Wang, Y., **Hays, R. D.**, Marcus, M., Maida, C., Shen, J., Xiong, D., Lee, S., Spolsky, V., Coulter, I., Crall, J., Liu, H. (2019). Development of a parents' short form survey of their children's oral health. *International Journal of Paediatric Dentistry*, *29*, 332-344.
561. Wong, M. D., Chung, P. J., **Hays, R. D.**, Kennedy, D. P., Tucker, J. S., & Dudovitz, R. N. (2019). The social economics of adolescent behavior and measuring the behavioral culture of schools. *Journal of Child and Family Studies*, *28*, 928-940.
562. Cella, D., Choi, S. W., Condon, D. M., Schalet, B., **Hays, R. D.**, Rothrock, N. E., Yount, S., Cook, K. F., Gershon, R. C., Amtmann, D., DeWalt, D. A., Pilkonis, P. A., Stone, A. A., Weinfurt, K., & Reeve, B. B. (2019). PROMIS[®] adult health profiles: Efficient short-form measures of seven health domains. *Value in Health*, *22*(5), 537-544.
563. Fongwa, M. N., dela Cruz, F., & **Hays, R. D.** (2019). African American women's perceptions of the meaning of support groups for improving adherence to hypertension treatment: A conceptual model. *Nursing Open*, *6*, 860-870.
<https://doi.org/10.1002/nop2.266>
564. Whitley, M. D., Coulter, I. D., Ryan, G. W., **Hays, R. D.**, Sherbourne, C., Herman, P. M., & Hilton, L.G. (2019). Researching the appropriateness of care in the complementary and integrative health professions: Part 3: Designing instruments with patient input. *Journal of Manipulative and Physiological Therapeutics*, 307-318.
565. Walling, A. M., Sudore, R., Bell, D., Tseng, C., Ritchie, C., **Hays, R. D.**, Gibbs, L., Rahimi, M., & Wenger, N. S. (2019). Population-based, pragmatic trial of advance care planning in primary care in the University of California health system. *Journal of Palliative Medicine*, *22*, S72-81.
566. Beckett, M. K., Elliott, M. N., Burkhart, Q., Cleary, P. D., Orr, N., Brown, J. A., Gaillot, S., Liu, K., & **Hays, R. D.** (2019). The effects of survey version on patient experience scores and plan rankings. *Health Services Research*, *54*(5), 1016-1022
567. Setodoji, C. M., Peipert, J. D. & **Hays, R. D.** (2019). Differential item functioning of the CAHPS In-center Hemodialysis Survey. *Quality of Life Research*, *28*, 3117-3135.
568. Yount, S. E., Atwood, C., Donohue, J., **Hays, R. D.**, Irwin, D., Leidy, N. K., Liu, H., Spritzer, K. L., & DeWalt, D. (2019). Responsiveness of PROMIS[®] to change in chronic obstructive pulmonary disease. *JPRO*, *3*(65).
569. Marcus, M., Xiong, D., Wang, Y., Maida, C. A., **Hays, R. D.**, Coulter, I. D., Spolsky, V. W., Lee, S. Y., Shen, J., Crall, J. J., & Liu, H. (2019). Development of toolkits for

detecting dental caries and caries experience among children using self- and parent-reports. Community Dentistry and Oral Epidemiology, *47*, 520-527.

570. Setodji, C. M., Burkhart, Q., **Hays, R. D.**, Quigley, D. D., Skootsky, S. A., & Elliott, M. N. (2019). Differences in Consumer Assessment of Healthcare Providers and Systems (CAHPS®) Clinician and Group survey scores by recency of the last visit: Implications for comparability of periodic and continuous sampling. Medical Care, *57*(12), e80-e86.
571. Sherbourne, C.D., Ryan, G. W., Whitley, M.D., Gutierrez, C.I., **Hays, R. D.**, Herman, P.M., & Coulter, I.D. (2019). Coping and management techniques used by chronic low back pain patients receiving treatment from chiropractors. Journal of Manipulative and Physiological Therapeutics, *42*(8), 582-593.
572. **Hays, R. D.**, Sherbourne, C. D., Spritzer, K. L., Hilton, L. G., Ryan, G. W., Coulter, I. D., & Herman, P. M. (2019). Experiences with chiropractic care for patients with low back or neck pain. Journal of Patient Experience, *42*(5):307-318.
573. Shen, J., **Hays, R. D.**, Wang, Y., Marcus, M., Maida, C., Xiong, D., Lee, S., Spolsky, V., Coulter, I., Crall, J., & Liu, H. (2020). Computerized adaptive testing and short form development for child and adolescent oral health patient-reported outcomes measurement. Clinical and Experimental Dental Research, *6*, 124-133.
574. Nordyke, R. J., Nicholson, G., Gage, S. M., Lithgow, T., Himmelfarb, J., Rivara, M. B., **Hays, R. D.**, Woo, K., & Peipert, J. D. (2020). Vascular access-specific health-related quality of life impacts among hemodialysis patients: Qualitative development of the Hemodialysis Access-Related Quality of life (HARQ) instrument. BMC Nephrology, *21*, 16.
575. Uy, V., **Hays, R. D.**, Xu, J.J., Fayers, P. M., Auerbach, A. D., Black, J. T., Evangelista, L., Ganiats, T. G., Romano, P. S., & Ong, M. K. (2020). Do the unlabeled response categories of the Minnesota Living with Heart Failure Questionnaire satisfy the monotonicity assumption of simple-summed scoring? Quality of Life Research, *29*, 1349-1360.
576. Congello, N.C., Koniak-Griffin, D., Brecht, M.L., **Hays, R. D.**, Heilermann, M.V., & Nyamathi, A. M. (2020). Associations of partner support and acculturation with physical activity in Mexican American women. Hispanic Health Care International, *18*(2), 98-104.
577. Shallcross, A., Lu, N., & **Hays, R. D.** (2020). Evaluation of the psychometric properties of the Five Facet Mindfulness Questionnaire. Journal of Psychopathology and Behavioral Assessment, *42*, 271-280.
578. Burkhart, Q., Orr, N., Brown, J. A., **Hays, R. D.**, Cleary, P. D., Beckett, M. K., Perry, S. E., Gaillot, S., & Elliott, M. N. (2019 epub). Associations of mail survey length and layout with response rates. Medical Care Research & Review.

579. Childers, C. P., Ettner, S. L., **Hays, R. D.**, Kominski, G., Maggard-Gibbons, M., & Alban, R. F. (2019 epub). Variation in intraoperative and postoperative utilization for 3 common general surgery procedures. Annals of Surgery.
580. Wang, Y., **Hays, R. D.**, Marcuas, M., Maida, C.A., Shen, J., Xiong, D., Coulter, I.D., Lee, S.Y., Spoksky, V. W., Crall, J. J., & Liu, H. (2019 epub). Developing Children's Oral Health Assessment Toolkits using Machine Learning Algorithm. JDR Clinical & Translational Research.
581. Gresham, G., Diniz, M. A., Raznee, Z. S., Luu, M., Kim, S. **Hays, R. D.**, Piantadosi, S., Tighiouart, M., Yothers, G., Ganz, P. A., & Rogatko, A. (2020 epub). Evaluating Treatment Tolerability in Cancer Clinical Trials using the Toxicity Index. Journal of the National Cancer Institute.
582. Castellon-Lopez, Y., Jeffers, K. S., Duru, O. K., Moreno, G., Moin, T., Grotts, J., Mangione, C. M., Norris, K. C., & **Hays, R. D.** (2020 epub). Psychometric properties of the Altarum Consumer Engagement (ACE) measure of activation in patients with prediabetes. Journal of General Internal Medicine.

B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS)

1. Quigley, D. D., Qureshi, N., Al Masarweb, L., & **Hays, R. D.** (in press). Practice leaders report several differences in care experienced by patients in a patient-centered medical home. Journal of Patient Experience.

C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED AND IN PREPARATION)

1. Ye, F., Parast, L., **Hays, R. D.**, Elliott, M. N., Becker, K., Lehrman, W. G., Stark, D., & Martino, S. C. (in preparation). Development and validation of a survey of patients' experience of care in the emergency department. Health Services Research.
2. Calderón, J. L., Norris, K., Paz, S. H., Brown, J., DeLeon, N., Spritzer, K., & **Hays, R. D.** (in preparation). Barriers in responding to CAHPS® surveys by persons from vulnerable communities.
3. Ahmedov, M., Pourat, N., Liu, H., & **Hays, R. D.** (to be submitted). Experiences with ambulatory healthcare for Asians and non-Hispanic whites in the United States. Asian American Journal of Psychology.
4. Steers, W. N., del Pino, H. E., Lee, M., McCuller, W. J., **Hays, R. D.**, & Harawa, N. (resubmitted). Measuring gender role conflict, internalized stigma, and racial and sexual identify in behaviorally bisexual black men. Archives of Sexual Behavior.
5. Chang, H., DeWitt, B., **Hays, R. D.**, & Hanmer, J. (to be resubmitted). Crosswalks from PROMIS global health measure to the PROMIS-preference score. Journal of Patient-Reported Outcomes.

6. Fung, C. H., Martin, J. L., Liang, L-J., **Hays, R. D.**, Col, N., Patterson, E. S. Josephson, K., Mitchell, M. N., Sanchez, M. C., Aysola, R., Song, Y., Dzierzewski, J. M., Huang, D., Zeidler, M., & Alessi, C. (submitted, April 24 2020). The efficacy of a patient decision aid for improving person-centered decision-making in older adults with obstructive sleep apnea. Journal of Clinical Sleep Medicine.
7. Quershi, N., Quigley, D. D., & **Hays, R. D.** (submitted, January 2020). Practice leader perspectives on what it takes to transform into a patient-centered medical home. JGIM.
8. Robbins, R., **Hays, R. D.**, Calderón, J. L, Garcia, V. N., Seixas, A., Chung, A., & Jean-Lois, G. (resubmitted, December 13, 2019). Development and evaluation of Sleep Apnea Knowledge and Self-Efficacy Scales. Sleep Health.
9. Cefalu, M., Elliott, M. N., & **Hays, R. D.** (submitted, November 25, 2019). Adjustment of patient experience survey sfor how people respond. Medical Care.
10. Chung, A., Robbins, R., Donley, T., Seixas, A., **Hays, R. D.**, & Jean-Louis, G. (submitted, November 2019). Development and evaluation of the Clinical Trials Health Literacy Scale (CHELS). Journal of Communication in Healthcare.
11. Xenakis, L., Quigley, D.D., Qureshi, N., AlMaseaweh, L, Pham, C., & **Hays, R. D.** (resubmitted, November 2019). Some aspects of patient experience assessed by practices undergoing patient-centered medical home transformation are measured by CAHPS, others are not. Quality Management in Health Care.
12. Cui, Q. N., **Hays, R. D.**, Tarver, M. E., Spaeth, G. L., Paz, S. H., Weidmer, B., Fellman, R. L., Vold, S. D., Eydelman, M., & Singh, K. (submitted). Health-related quality of life survey for evaluating minimally invasive glaucoma surgery. Ophthalmology.
13. del Pino, H. E., Steers, W. N., Lee, M., McCullter, W. J., Hays, R. D., & Harawa, N. T. (submitted). Measuring gender role conflict, internalized stigma, and racial and sexual identify in behavioral bisexual black men. Archives of Sexual Behavior.

D. RESEARCH PAPERS- NON-PEER REVIEWED

1. **Hays, R.** (1980). A social-psychological analysis of alienation in young adulthood. Institute of Behavioral Science, Boulder, CO.
2. **Hays, R.** (1984). A comparison of the simplex and common factor models of drug use. Dissertation Abstracts International, 45, 2359B. (University Microfilms No. 84-22,748).
3. Nelson, E. C., **Hays, R. D.**, Arnold, S., Kwoh, K., & Sherbourne, C. (1989). Age and functional health status. Santa Monica, CA: The RAND Corporation, P-7570-RC.
4. **Hays, R. D.** & Wang, E. (1992, April). Multitrait Scaling Program: MULTI. Proceedings of the Seventeenth Annual SAS Users Group International Conference, 1151-1156. (SUGI 17 was held April 12-15 at the Hilton Hawaiian Village).
5. Stewart, A. L., **Hays, R. D.**, Wells, K. G., & Rogers, W. H. (1993). Development of measures of physical activity/exercise and tests of variations in physical activity levels

- within chronic disease groups in the Medical Outcomes Study. Santa Monica, CA: RAND, P-7781-RC.
6. **Hays, R. D.** (1993). Support for the reliability of directional bias, response range, and extreme checking response sets. Santa Monica, CA: RAND, P-7835-RC.
 7. **Hays, R. D.**, Anderson, R., & Revicki, D. (1993). Psychometric considerations in evaluating health-related quality of life measures. Quality of Life Research, 2, 441-449.
 8. Marshall, G. N., & **Hays, R. D.** (1994). The Patient Satisfaction Questionnaire Short-Form (PSQ-18). Santa Monica, CA: RAND, P-7865-RC.
 9. Sherbourne, C. D., **Hays, R. D.**, & Burton, T. (1995). Population-based surveys of access and consumer satisfaction with health care. In Consumer survey information in a reforming health care system: Conference Summary (pp. 37-56). Rockville, MD: Agency for Health Care Policy and Research.
 10. **Hays, R. D.** (1995). Directions for future research. Quality of Life Research, 4, 179-180.
 11. **Hays, R. D.**, Kallich, J. D., Mapes, D. L., Coons, S. J., Amin, N., & Carter, W. B. (1995). Kidney Disease Quality of Life Short Form (KDQOL-SF™), Version 1.2: A Manual for Use and Scoring. Santa Monica, CA: RAND, P-7928.
 12. **Hays, R.D.** (1995). The Outpatient Satisfaction Questionnaire (OSQ-18): Executive Summary. Santa Monica, CA: RAND, P-7885.
 13. **Hays, R. D.** Wang, E., & Sonksen, M. (1995, September). General Reliability and Intraclass Correlation Program (GRIP). Proceedings of the 3rd Annual Western Users of SAS Conference, 220-223.
 14. **Hays, R. D.**, Cunningham, W. E., & Shapiro, M. F. (1996). Derivation of physical and mental health composite indices in the HIV Outcomes Study, Santa Monica, CA: RAND, P-7957.
 15. **Hays, R. D.**, Sherbourne, C. D., Spritzer, K. L., & Dixon, W. J. (1996). A micro-computer program (SF36.EXE) that generates SAS code for scoring the SF-36 Health Survey. Proceedings of the 22nd Annual SAS Users Group International Conference, 1128-1132.
 16. **Hays, R. D.**, Amin, N., Alonso, J., Kallich, J., Coons, S. J., Carter, W. B., Mapes, D. L., & Kamberg, C. J. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.2: A Manual for Use and Scoring (Spanish Questionnaire, Spain). P-7928/1. Santa Monica, CA: RAND.
 17. **Hays, R. D.**, Amin, N., Apolone, G., Kamberg, C. J., Kallich, J., Coons, S. J., Carter, W. B., & Mapes, D. L. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.2: A Manual for Use and Scoring (Italian Questionnaire, Italy). P-7928/2. Santa Monica, CA: RAND.
 18. **Hays, R. D.**, Amin, N., Bullinger, M., Mapes, D. L., Kamberg, C. J., Kallich, J., Coons, S. J., & Carter, W. B. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.2: A Manual for Use and Scoring (German Questionnaire, Germany). P-7928/3. Santa Monica, CA: RAND.

19. **Hays, R. D.**, Amin, N., Leplege, A., Carter, W. B., Mapes, D. L., Kamberg, C. J., Kallich, J., & Coons, S. J. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.2: A Manual for Use and Scoring (French Questionnaire, France). P-7928/4. Santa Monica, CA: RAND.
20. **Hays, R. D.**, Amin, N., Fukahara, S., Coons, S. J., Carter, W. B., Mapes, D., L., Kamberg, C. J., & Kallich, J. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.2: A Manual for Use and Scoring (Japanese Questionnaire, Japan). P-7928/5. Santa Monica, CA: RAND.
21. **Hays, R. D.**, Kallich, J., Mapes, D. L., Coons, S. J., Amin, N., Carter, W. B., & Kamberg, C. J. (1997). Kidney Disease Quality of Life Short Form (KDQOL-SF), Version 1.3: A Manual for Use and Scoring. P-7994. Santa Monica, CA: RAND.
22. Gambone, J. C., Simon, B., **Hays, R. D.**, Simon, A. R., & Mittman, B. S. (1997). Results of focus groups with consumers and physicians concerning treatment of abnormal uterine bleeding. Journal of Gynecologic Techniques, *3*, 139-143.
23. **Hays, R. D.**, Prince-Embury, S., & Chen, H. (1998). RAND-36 Health Status Inventory. San Antonio: TX: The Psychological Corporation.
24. Liu, H., & **Hays, R. D.** (1999, April). Measurement of interrater agreement: A SAS/IML macro kappa procedure for handling incomplete data. Proceedings of the SAS Users Group International Conference, 1620-1625.
25. Miller, L., & **Hays, R. D.** (2000). Adherence to combination antiretroviral therapy: A synthesis of the literature and clinical implications. AIDS Reader, *10*, 177-185.
26. Farley, D. O., Short, P. F., Kanouse, D. E., Schoeff, D., Brown, J. A., Spranca, M., & Hays, R. D. (2000). Testing CAHPS® health plan performance reports in the Florida Medicaid program. MR-1218-AHRQ. Santa Monica, CA: RAND.
27. Morales, L. S., Weidmer, B., & **Hays, R. D.** (2001). Readability of CAHPS® 2.0 child and adult core surveys. In M. L. Cynamon & R. A. Kulka (eds.), Seventh Conference on Health Survey Research Methods (pp. 83-90). DHSS Publication No. (PHS) 01-1013, Hyattsville, Maryland.
28. Weech-Maldonado, R. Weidmer, B., Morales, L., Schoeff, D., & **Hays, R.D.**, (2001). Cross-cultural adaptation of survey instruments: The CAHPS® experience. In M. L. Cynamon & R. A. Kulka (eds.), Seventh Conference on Health Survey Research Methods (pp. 75-82). DHSS Publication No. (PHS) 01-1013, Hyattsville, MD.
29. Coulter, I.D., Heslin, K., Marcus, M., **Hays, R.D.**, Freed, J.R., Der-Martirosian C., Guzman-Becerra, N., Cunningham, W.E., Andersen, R., Maas, W.R., Garca, I., Schneider, D.A., Genovese, B.J., Shapiro, M.F., Bozzette, S.A, Dobalian, A., Stein, J.A., Morton, S.C., Maida, C.A., Younai, F., Liu, H., & Freed, B. (2005). Do people with HIV get the dental care they need? Results of the HCSUS Study, RAND, RB-9067, Santa Monica, CA.
30. Darby, C., **Hays, R. D.**, & Kletke, P. (2005). Development and evaluation of the CAHPS Hospital Survey. Health Services Research, *40* (6 Pt. 2), 1973-1976. PMID: PMC1361250

31. Sloan, J. A., Cella, D., & **Hays, R. D.** (2005). Clinical significance of patient-reported questionnaire data: Another step toward consensus. *Journal of Clinical Epidemiology*, 58 (12), 1217-1219.
32. Ngo-Metzger, Q., Telfair, J., Sorkin, D.H., Weidmer, B., Weech-Maldonado, R., Hurtado, M., & **Hays, R.D.** (October 2006). Cultural Competency and Quality of Care: Obtaining the Patient's Perspective, The Commonwealth Fund.
33. Walling, A. M., Brown, J. A., Skootsky, S. A., Teleki, S. S., Quigley, D. D., Farley, D. O., & **Hays, R. D.** (2009). Health care providers' motivation to improve communication skills. *Proceedings of UCLA Healthcare*, 13, 1-4.
34. Riley, W., Hays, R. D., Kaplan, R. M., & Cella, D. (2014). Sources of comparability between probability sample estimates and nonprobability web sample estimates. Proceedings of the 2013 Federal committee on statistical methodology (FSM) research conference.
35. Li. T., Le, J., **Hays, R.D.**, Cui, Q., Eydelman, M., Spaeth, G., Tarver, M., & Singh, K. (2020). Patient-reported outcomes measures and patient preferences for minimally invasive glaucoma surgical devices. *Eye*, 34, 205-210.

E. RESEARCH PAPERS - NON-PEER REVIEWED (IN PRESS) – NONE

F. RESEARCH PAPERS - NON-PEER REVIEWED (SUBMITTED) - NONE

G. RESEARCH PAPERS - PEER REVIEWED (Collaborator)

1. Rouse, M., Borsting, E. Mitchell, G. L., Cotter, S. A., Kulp, M., Scheiman, M., Barnhardt, C., Bade, A., Yamada, T., & **Convergency Insufficiency Treatment Trial (CITT) Investigator Group.** (2009). Validity of the convergence insufficiency symptom survey: A confirmatory study. *Optom Vis Sci*, 86(4), 357-363.
2. **Convergence Insufficiency Treatment Trial Study Group.** (2009). Long-term effectiveness of treatments for symptomatic convergence insufficiency in children. *Optom Vis Sci*, 86(9), 1096-1103.
3. Scheiman, M., Kulp, M. T., Cotter, S., Mitchell, G. L., Gallaway, M., Boas, M., Coulter, R., Hopkins, K., Tamkins, S., & **Convergence Insufficiency Treatment Trial Study Group.** (2010). Vision therapy/orthoptics for symptomatic convergence insufficiency in children: Treatmentkinects. *Optom Vis Sci*, 87(8), 593-603.
4. Scheiman, M., Cotter, S., Kulp, M. T., Mitchell, G. L., Cooper, J., Gallaway, M., Hopkins, K. B., Bartuccio, M., Chung, I., & **Convergence Insufficiency Treatment Trial Study Group.** (2011). Treatment of accommodative dysfunction in children: Results from a randomized clinical trial. *Optom Vis Sci*, 88(11), 1343-1352.
5. Barnhardt, C., Cotter, S. A., Mitchell, G. L., Scheiman, M., Kulp, M. T., **Convergence Insufficiency Treatment Trial Study Group.** (2012). Symptoms in children with

convergence insufficiency: Before and after treatment. *Optom Vis Sci*, 89(10), 1512-1520.

6. Borsting, E., Mitchell, G. L., Kulp, M. T., Scheiman, M., Amster, D. M., Cotter, S., Coulter, R. A., Fecho, G., Gallaway, M. F., Granet, D., Hertle, R., Rodena, J., Yamada, T., **Convergence Insufficiency Treatment Trial Study Group**. (2012). Improvement in academic behaviors after successful treatment of convergence insufficiency. *Optom Vis Sci*, 89(1), 12-18.

CHAPTERS

1. DiMatteo, M.R., & **Hays, R.** (1981). Social support and serious illness. In B. H. Gottlieb (ed.), Social Networks and Social Support (pp. 117-148). Beverly Hills, CA: Sage Publishing Company.
2. **Hays, R.**, & DiMatteo, M.R. (1984). Toward a more therapeutic physician-patient relationship. In S. Duck (Ed.), Personal Relationships 5: Repairing Personal Relationships (pp. 1-20). Academic Press.
3. DiMatteo, M.R., Prince, L.M., & **Hays, R.** (1986). Nonverbal communication in the medical context: The physician-patient relationship. In P. Blanck, R. Buck, & R. Rosenthal (Eds.), Nonverbal Communication in the Clinical Context (pp. 74-98). Cambridge: Pennsylvania State University Press.
4. Landgraf, J. M., Nelson, E. C., **Hays, R. D.**, Wasson, J. H., & Kirk, J. (1990). Assessing function: Does it really make a difference? A preliminary evaluation of the acceptability and utility of the COOP function charts. In M. Lipkin (ed.), Functional Status Measurement in Primary Care. (pp. 150-165). New York: Springer-Verlag.
5. Nelson, E. C., Landgraf, J. M., **Hays, R. D.**, Kirk, J., Wasson, J., Keller, A., & Zubkoff, M. (1990). The COOP function charts: A system to measure patient function in physicians' offices. In M. Lipkin (ed.), Functional Status Measurement in Primary Care. (pp. 97-131). New York: Springer-Verlag.
6. Beaufait, D. W., Nelson, E. C., Landgraf, J. M., **Hays, R. D.**, Kirk, J. W., Wasson, J.H., & Keller, A. (1992). COOP measures of functional status. In M. Stewart, F. Tudiver, M. J. Bass, E. V. Dunn, & P. G. Norton (eds.), Tools for Primary Care Research. (pp. 151-167). Newbury Park, CA: Sage.
7. Stewart, A. L., **Hays, R. D.**, & Ware, J. E. (1992). Methods of constructing health measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 67-85), Durham, NC: Duke University Press.
8. Stewart, A. L., **Hays, R. D.**, & Ware, J. E. (1992). Health perceptions, energy/fatigue, and health distress measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 143-172). Durham, NC: Duke University Press.

9. **Hays, R. D.**, & Stewart, A. L. (1992). Sleep measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 235-259), Durham, NC: Duke University Press.
10. Stewart, A. L., **Hays, R. D.**, & Ware, J. E. (1992). Methods of validating health measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 309-324). Durham, NC: Duke University Press.
11. **Hays, R. D.**, & Stewart, A. L. (1992). Construct validity of MOS health measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 325-342). Durham, NC: Duke University Press.
12. Stewart, A. L., Sherbourne, C. D., **Hays, R. D.**, Wells, K. B., Nelson, E. C., Kamberg, C. J., Rogers, W. H., Berry, S. D., & Ware, J. E. (1992). Summary and discussion of MOS measures. In A. L. Stewart & J. E. Ware (eds.), Measuring Functioning and Well-being: The Medical Outcomes Study Approach (pp. 345-371). Durham, NC: Duke University Press.
13. Vickrey, B. G., **Hays, R. D.**, Hermann, B., Bladin, P. F., & Batzel, L. (1993). Outcomes with respect to quality of life. In J. Engel, Jr. (ed). Surgical Treatment of the Epilepsies, 2nd edition. (pp. 623-635). New York: Raven Press.
14. **Hays, R. D.**, Vickrey, B. G., & Engel, J. (1993). Postscript: Epilepsy surgery outcome assessment. In J. Engel, Jr. (ed). Surgical Treatment of the Epilepsies, 2nd edition (pp. 685-688). New York: Raven Press.
15. Vickrey, B. G., **Hays, R. D.**, & Spritzer, K. (1993). Methodologic issues in quality of life assessment for epilepsy surgery. In D. W. Chadwick, G. A. Baker, & A. Jacoby (eds.). Quality of Life and Quality of Care in Epilepsy: Update 1993 (pp. 27-37). London: Royal Society of Medicine Services Limited, Round Table Series 31.
16. **Hays, R. D.**, Anderson, R., & Revicki, D. A. (1995). Psychometric evaluation and interpretation of health-related quality of life data. In S. Shumaker & R. Berzon (eds.), The International Assessment of Health-related Quality of Life: Theory, Translation, Measurement and Analysis (pp. 103-114). Oxford, England: Rapid Communications.
17. Ettl, M., **Hays, R.D.**, Cunningham, W., Shapiro, M.F., & Beck, C. K. (1996). Assessing health-related quality of life in disadvantaged and very ill populations. In B. Spilker (ed.), Quality of Life and Pharmacoeconomics in clinical trials, 2nd edition (pp. 595-604). New York: Lippincott-Raven Publishers.
18. **Hays, R.D.**, Sherbourne, C. D., & Bozzette, S. A. (1996). Pharmacoeconomics and quality of life research beyond the randomized clinical trial. In B. Spilker (ed.), Quality of Life and Pharmacoeconomics in Clinical Trials, 2nd edition (pp. 155-159). New York: Lippincott-Raven Publishers.
19. Mangione, C. M., Lee, P. P., & **Hays, R.D.** (1996). Measurement of Visual Functioning and Health-Related Quality of Life in Eye Disease and Cataract Surgery. In B. Spilker (ed.), Quality of Life and Pharmacoeconomics in Clinical Trials, 2nd edition. (pp. 1045-1051). New York: Lippincott-Raven Publishers.
20. Nelson, E. C., Wasson, J. H., Johnson, D.J., & **Hays, R.D.** (1996). Dartmouth COOP functional health assessment charts: Brief measures for clinical practice. In B. Spilker

- (ed.), Quality of Life and Pharmacoeconomics in Clinical Trials, 2nd edition. (pp. 161-168). New York: Lippincott-Raven Publishers.
21. Stewart, A. L., & **Hays, R. D.** (1997). Conceptual, measurement, and analytic issues in assessing health status in older populations. In T. Hickey & M. Speers (eds.), Public Health and Aging. (pp. 163-189). Baltimore: The Johns Hopkins University Press.
 22. Anderson, R. T., **Hays, R. D.**, & Revicki, D. (1998). Psychometric and related considerations in dermatological assessments of health-related quality of life. In R. Rajagopalan, E. Sherertz, & R. T. Anderson (eds.), Care Management of Skin Diseases: Life Quality and Economic Impact. (pp. 35-48). Marcel Dekker.
 23. **Hays, R. D.**, Alonso, J., & Coons, S. J. (1998). Possibilities for summarizing health-related quality of life when using a profile instrument. In M. Staquet, **R. Hays**, & P. Fayers (eds.), Quality of Life Assessment in Clinical Trials: Methods and Practice (pp. 143-153). Oxford: Oxford University Press.
 24. **Hays, R. D.**, Anderson, R. T., & Revicki, D. (1998). Assessing reliability and validity of measurement in clinical trials. In M. Staquet, **R. Hays**, & P. Fayers (eds.), Quality of Life Assessment in Clinical Trials: Methods and Practice (pp. 169-182). Oxford: Oxford University Press.
 25. **Hays, R. D.** (1998). Item response theory models. In M. Staquet, **R. Hays**, & P. Fayers (eds.), Quality of Life Assessment in Clinical Trials: Methods and Practice (pp. 183-190). Oxford: Oxford University Press.
 26. **Hays, R. D.** (2005). Generic versus disease-targeted instruments. In P. Fayers & **R. Hays** (eds.), Assessing Quality of Life in Clinical Trials: Methods and Practice, 2nd Edition (pp. 3-8). Oxford: Oxford University Press.
 27. **Hays, R. D.**, & Revicki, D. (2005). Reliability and validity (including responsiveness). In P. Fayers & **R. Hays** (eds.), Assessing Quality of Life in Clinical Trials: Methods and Practice, 2nd Edition (pp. 25-39). Oxford: Oxford University Press.
 28. **Hays, R. D.**, & Fayers, P. (2005). Evaluating multi-item scales. In P. Fayers & **R. Hays** (eds.), Assessing Quality of Life in Clinical Trials: Methods and Practice, 2nd Edition (pp. 41-53). Oxford: Oxford University Press.
 29. Ganz, P. A., Litwin, M. S., **Hays, R. D.**, & Kaplan, R. M. (2007). Measuring outcomes and health-related quality of life. In R. M. Andersen, T. H. Rice, & G. F. Kominski (eds.), Changing the U.S. Health Care System: Key Issues in Health Services Policy and Management. San Francisco: Jossey-Bass.
 30. **Hays, R. D.**, Epstein, R. M., & Street, R. L. (2007). Methodological challenges in studying clinical communication in cancer care. In R. M. Epstein & R. L. Street, Patient-centered Communication in Cancer Care: Promoting Healing and Reducing Suffering (pp. 89-97). Bethesda, MD: National Cancer Institute, NIH Publication No. 07-6225.
 31. **Hays, R. D.**, & Reeve, B. B. (2008). Measurement and modeling of health-related quality of life. In K. Heggenhougen & S. Quah (eds.), International Encyclopedia of Public Health (pp. 241-251). San Diego: Academic Press.
 32. **Hays, R. D.** (2009). Patient satisfaction. In Kattan M. W. (ed.), Encyclopedia of Medical Decision Making. (pp. 866-868). Thousand Oaks: Sage Publications.

33. **Hays, R. D.,** & Reeve, B. B. (2010). Measurement and modeling of health-related quality of life. In J. Killewo, H. K. Heggenhougen & S. R. Quah (eds.), Epidemiology and Demography in Public Health (pp. 195-205). Elsevier.
34. **Hays, R. D.** (2011). Response 1 to Reeve's chapter: Applying Item response theory for questionnaire evaluation. In J. Madans, K. Miller, A. Maitland, & G. Willis (eds.), Question Evaluation Methods: Contributing to the Science of Data Quality (pp. 125-135). Hoboken, New Jersey: Wiley & Sons, Inc.
35. **Hays, R. D.,** & Liu, H. (2011). The use of statistics in sleep medicine—Exam questions. In A. Y. Avidan & T. J. Barkoukis (eds.), Review of Sleep Medicine (pp. 725-729). Philadelphia, Pennsylvania: Elsevier Saunders.
36. Cherepanov, D. & **Hays, R.D.** (2011). Health and quality-of-life outcomes: The role of patient-reported measures. In J. L. Magnabosco & R.W. Manderscheid (eds.), Outcomes Measurement in the Human Services 2nd edition: Cross-Cutting Issues and Methods (pp. 129-146). Washington, D.C.: National Association of Social Workers (NASW) Press.
37. Ganz, P., **Hays, R. D.,** Kaplan, R. M., & Litwin, M. S. (2014). Measuring health-related quality of life and other outcomes. In G. G. Kominski & T. H. Rice (eds), Changing the U.S. Health Care System ,4th ed (pp. 307-341), San Francisco, CA: Jossey-Bass.
38. Gershon, R. C., **Hays, R D.,** & Kallen, M. (2018). Health measurement. In Wim J. van der Linden (ed.), Handbook of item response theory, Volume III (Applications). New York: Taylor & Francis Group.

LETTERS TO THE EDITOR

1. **Hays, R. D.** (1988). The quality of patients' ratings: Letter to the Editor. Health Affairs, 7, 174-175.
2. **Hays, R. D.** (1989). Patient satisfaction and continuity of care: Letter to the Editor. Journal of Family Practice, 28, 16-17.
3. Cleary, P. D., Lubalin, J., **Hays, R. D.,** Short, P. F., Edgman-Levitan, S., & Sheridan, S. (1998). Debating survey approaches: Letter to the Editor. Health Affairs, 17, 265-266.
4. Fink, A., Morton, S. C., Beck, J. C., **Hays, R. D.,** Spritzer, K., Oishi, S., Tsai, M., & Moore, AA. (2001). Alcohol use in older adults. Journal of the American Geriatrics Society, 49 (3), 335-336.
5. Miller, L. G., Liu, H., **Hays, R. D.,** Golin, C. E., Kaplan, A. H., & Wenger, N. S. (2003). Reply to comments on "Knowledge of and adherence to antiretroviral therapy." Clinical Infectious Diseases, 37, 861-862.
6. Miller, L. G., Golin, C. E., Liu, H.H., **Hays, R. D.,** Hua, J., Wenger, N. S., & Kaplan, A. H. (2004). No evidence of an association between transient HIV viremia ("blips") and lower adherence to the antiretroviral medication regimen. Journal of Infectious Diseases, 189, 1487-1496.

7. Walling, A., **Hays, R.D.**, Fish, J., Mahajan, A.P., Vazirani, S., Friedman, J., & Wenger, N.S. (2009). Work hour restrictions and internal medicine residents' health-related quality of life. Med Teach, 31, 186.
8. **Hays, R. D.**, Weech-Maldonado, R., Teresi, J. A., Wallace, S. P., & Stewart, A. L. (2018). Copyright restrictions versus open access to survey instruments. Medical Care, 56 (2), 107-110.
9. Peipert, J.D, & **Hays, R. D.** (2019). Expanding the patient's voice in nephrology with patient-reported outcomes. J Am Soc Nephrol, 30, 526-532.
10. Peipert, J. D., Butt, Z., Cella, D., Waterman, A. D., & **Hays, R. D.** (2016). Response to "How to routinely collect data on patient-reported outcome and experience measures in renal registries in Europe: An expert consensus meeting. Nephrology Dialysis Transplantation. <https://academic.oup.com/ndt/article/30/10/1605/2337110>
11. Fung, C. H., Martin, J. L., **Hays, R. D.**, Col, N., Patterson, E. S., Josephson, K., Mitchell, M. N., Grinberg, A., Aysola, R., Song, Y., Dzierzewski, J., Liang, L, Huang, D., Zeidler, M., & Alessi, C. (2019). Development of a program for promoting person-centered care of older adults with sleep apnea. JAGS., 67 (10), 2204-2207.
12. Zhao, B., Childers, C. P., **Hays, R.D.**, Ettner, S. L., Alban, R. F., Maggard-Gibbons, M., & Clary, B. M. (2019). Surgeons awareness of the relative costs of common surgical instruments. JAMA Surgery. E1-E2.
13. **Hays, R. D.**, Peipert, J. D., & Kallich J. D. (2019). Problems with analyses and interpretation of data in "Use of the KDQOL-36™ for assessment of health-related quality of life among dialysis patients in the United States." BMC Nephrology, 20, 447.
14. **Hays, R. D.** (2020 epub). Depression risk and outcomes among ASCVD patients. Journal of General Internal Medicine.

REVIEWS

1. **Hays, R.**, & Arnold, S. (1986). Patient and family satisfaction with care for the terminally ill. Hospice Journal, 7, 129-150. [Also in D. M. Dush, B. R. Cassileth, & D. C. Turk (Eds.), Psychosocial Assessment in Terminal Care. New York: Haworth Press, 1986.]
2. Gritz, E. R., DiMatteo, M. R., & **Hays, R. D.** (1989). Methodological issues in adherence to cancer control regimens. Preventive Medicine, 18, 711-720.
3. DiMatteo, M. R., **Hays, R. D.**, & Sherbourne, C. D. (1992). Adherence to cancer regimens: Implications for treating the older patient. Oncology, 6, 50-57s.
4. **Hays, R. D.**, & Shapiro, M. F. (1992). An overview of generic health-related quality of life measures for HIV research. Quality of Life Research, 1, 91-97.
5. Edgell, E. T., Coons, S. J., Carter, W. B., Kallich, J. D., Mapes, D., Damush, T. M., & **Hays, R. D.** (1996). A review of health-related quality of life assessment in end-stage renal disease. Clinical Therapeutics, 18 (5), 887-938.

6. Fink, A., **Hays, R. D.**, Moore, A. A., & Beck, J. C. (1996). Alcohol-related problems in the elderly: Determinants, consequences and screening. Archives of Internal Medicine, 156, 1150-1156.
7. Wu, A. W., **Hays, R. D.**, Kelly, S., Malitz, F., & Bozzette, S. A. (1997). Applications of the Medical Outcomes Study health-related quality of life measures in HIV/AIDS. Quality of Life Research, 6, 531-554.
8. Coons, S. J., Rao, S., Keininger, D. L., & **Hays, R. D.** (2000). A comparative review of generic quality of life instruments. PharmacoEconomics, 17, 13-35.
9. Miller, L. G., & **Hays, R. D.** (2000). Measuring antiretroviral adherence in clinical trials. HIV Clinical Trials, 1, 36-46.
10. Golomb, B., Vickrey, G., & **Hays, R. D.** (2001). A review of health-related quality-of-life measures in stroke. PharmacoEconomics, 19, 155-185.
11. Castle, N.G., Brown, J., Hepner, K. A., & **Hays, R. D.** (2005). Review of the literature on survey instruments used to collect data on hospital patients' perceptions of care. Health Services Research, 40 (6 Pt. 2), 1996-2017. PMID: PMC1361245]
12. Shen, J., Johnston, M., & **Hays, R. D.** (2011). Asthma outcome measures. Expert Reviews of Pharmacoeconomic and Outcomes Research, 11, 447-453.
13. Zhang, Y. H., Liu, B. Y., Li, J., Zhang, R. S., Zhu, W. Z., He, L. Y., Xie, Q., Hu, J. Q., Hui, K-K., & **Hays, R. D.** (2013). Clinician-reported outcomes in traditional Chinese medicine: A critical review. OA Alternative Medicine. 1(2): 15.
14. Belson, P. J., Eastwood, J., Brecht, M., **Hays, R. D.**, & Pike, N. A. (2020). A review of the literature on health-related quality of life of retinoblastoma survivors. Journal of Pediatric Oncology Nursing, 37(2) 116 –127.
15. Quigley, D. D., Palimaru, A., Lerner, C., & **Hays, R. D.** (2020 epub). A review of best practices for monitoring and improving inpatient pediatric patient experiences. Hospital Pediatrics.

EDITORIALS/COMMENTARIES

1. **Hays, R. D.** (1989). ISP: Interactive Statistics Programs. (Review). Social Science Computer Review, 7, 381-384.
2. **Hays, R. D.** (1990). Physician-patient communication and adherence (Review of: Communication with patients — Improving communication, satisfaction and compliance). Contemporary Psychology, 35, 897.
3. **Hays, R. D.** (1991). Computer use in psychology: A directory of software (second edition). (Review). Social Science Computer Review, 9, 522.
4. **Hays, R. D.**, Stewart, A. L., Sherbourne, C. D., & Marshall, G. N. (1993). The "states versus weights" dilemma in quality of life measurement. Quality of Life Research, 2, 167-168.

5. Greendale, G. A., Silverman, S., **Hays, R. D.**, Cooper, C., Spector, T., Kiel, D., & Reuben, D. B. (1993). Health-related quality of life in osteoporosis clinical trials. Calcified Tissue International, 53, 75-77.
6. Berzon, R., **Hays, R. D.**, & Shumaker, S. (1993). International use, application and performance of health-related quality of life instruments. Quality of Life Research, 2, 367-368.
7. Kallich, J. D., & **Hays, R. D.** (1994). The benefits and pitfalls of health services research funded by proprietary firms. Quality of Life Research, 3, 231-233.
8. Rettig, R. A., Sadler, J. H., Meyer, K. B., Wasson, J. H., Parkerson, G. R., Kantz, B., **Hays, R. D.**, & Patrick, D. L. (1997). Assessing health and quality of life outcomes in dialysis: A report on an Institute of Medicine workshop. American Journal of Kidney Diseases, 30, 140-155.
9. **Hays, R. D.**, & Woolley, J. M. (2000). The concept of clinically meaningful difference in health-related quality-of-life research: How meaningful is it? Pharmacoeconomics, 18, 419-423.
10. Shahriar, J., Delate, T., **Hays, R. D.**, & Coons, S. J. (2003). Commentary on using the SF-36 or MOS-HIV in studies of persons with HIV disease. Health and Quality of Life Outcomes, 9:1:25. PMID: PMC183842.
11. Reeve, B. B., **Hays, R. D.**, Chang, C.-H., & Perfetto, E. M. (2007). Applying item response theory to enhance health outcomes assessment. Quality of Life Research, 16 (supplement 1), 121-132.
12. **Hays, R. D.**, & Lipscomb, J. (2007). Next steps for use of item response theory in the assessment of health outcomes. Quality of Life Research, 16 (supplement 1), 195-199.
13. Cleary, P.D., Crofton, C., **Hays, R. D.**, & Horner, R. (2012). Introduction. Medical Care, 50 (11, Suppl. 3), S1.
14. **Hays, R. D.**, Reise, S., & Calderón, J. L. (2012). How much is lost in using single items? Journal of General Internal Medicine, 27 (11), 1402-1403. PMID: PMC3475825.
15. **Hays, R. D.**, & Peipert, J. D. (2018). Minimally important differences do not identify responders to treatment. JOJ scin 1(1): JOJS.MS.ID.555552.
16. **Hays, R. D.**, Peipert, J. D., & Kallich, J. D. (2019). Problems with analyses and interpretation of data in “use of the KDQOL-36TM for assessment of health-related quality of life among dialysis patients in the United States. BMC Nephrology.

EDITED BOOKS

1. M. Staquet, **R. Hays**, & P. Fayers (eds.), (1998). Quality of Life Assessment in Clinical Trials: Methods and Practice. Oxford: Oxford University Press.
2. Fayers, P., & **Hays, R. D.** (eds.) (2005). Assessing Quality of Life in Clinical Trials: Methods and Practice. Oxford: Oxford University Press.

ABSTRACTS

1. **Hays, R.** (1985). LAMBDA: A BASIC program for calculating random data eigenvalues. Educational and Psychological Measurement, 45, 623-624.
2. **Hays, R., & Hayashi, T.** (1986). MTMM.EXE: A program for analyzing multitrait-multimethod matrices. Applied Psychological Measurement (Computer Program Exchange), 10, 104.
3. Widaman, K. F., & **Hays, R.** (1986). ALPHA: An SAS program for item internal consistency analyses. Applied Psychological Measurement (Computer Program Exchange), 10, 106.
4. **Hays, R. D.** (1987). PARALLEL: A program for performing parallel analysis. Applied Psychological Measurement (Computer Program Exchange), 11, 58.
5. **Hays, R. D.** (1987). Society of Psychologists in Addictive Behaviors Minutes of Annual Meeting, August 30, 1987. Psychology of Addictive Behaviors, 1, 190-191.
6. **Hays, R. D.** (1988). X.EXE: A program for simplifying EQS input. Applied Psychological Measurement (Computer Program Exchange), 12, 322.
7. **Hays, R. D.** (1989). ALPHA2: An alternative SAS program for estimating internal consistency reliability. Applied Psychological Measurement (Computer Program Exchange), 13, 76.
8. **Hays, R. D.** (1990). ROC: Estimation of the area under a receiver operating characteristic curve. Applied Psychological Measurement (Computer Program Exchange), 14, 208.

RESEARCH PAPERS - PEER REVIEWED DOCUMENTS

1. **Hays, R. D., Hayashi, T., Carson, S., & Ware, J. E.** (1988). User's Guide for the Multitrait Analysis Program (MAP). Santa Monica, CA: The RAND Corporation, N-2786-RC.
2. **Hays, R. D.** (1991). User's Guide for the Longitudinal Scalogram Analysis Program. Santa Monica, CA: RAND, N-1-3260-CHF/RC.
3. Berry, S. H., Bozzette, S. A., **Hays, R. D.**, Stewart, A., & Kanouse, D. E. (1993). Measuring Patient Reported Health Status and Experience in Advanced HIV Disease: HIV-PARSE Survey Instrument. Santa Monica, CA: RAND, MR-342-NIAID/SDAC.
4. **Hays, R. D., Sherbourne, C. D., & Mazel, R.M.** (1995). User's Manual for the Medical Outcomes Study (MOS) Core Measures of Health-Related Quality of Life. Santa Monica, Ca: RAND, MR-162-RC.

LAST UPDATE: May 30, 2020