

RONALD DALE HAYS

CURRICULUM VITAE

PERSONAL HISTORY:

Business Address: UCLA David Geffen
School of Medicine & RAND
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Los Angeles, CA 90024-1736 Santa Monica, CA 90407-2138
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Email Address: drhays@ucla.edu
Place of Birth: Long Beach, California
Citizenship: U.S.A.

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:

November, 2000 – Present Professor, UCLA School of Public Health, Department of Health Policy and Management
June, 1997 – Present Professor of Medicine, UCLA Department of Medicine (07/14, Step IX)
October, 2006-2007 Pardee RAND Graduate School Faculty, Step VI
January, 1993 - June, 1997 Adjunct Associate Professor, Step II, UCLA Department of Medicine
December, 1991 – Present Senior Social Policy Analyst, RAND
September, 1991 – 1993 Faculty mentor/consultant, UCLA Faculty Scholar Program in Mental Health Services Research
November, 1990 - December, 1991 Social Policy Analyst, RAND
September, 1987 – 1997 Adjunct Research Faculty, California School of Professional Psychology, Los Angeles
September, 1985 - November, 1990 Associate Behavioral Scientist, RAND
January, 1984 - September, 1985 Consultant, Behavioral Sciences Department, RAND

PROFESSIONAL ACTIVITIES:

Instructor, Loyola-Marymount, Psychological Assessment and Testing (1989)
Instructor, UCLA K30 Course, Comprehensive Assessment of Health Outcomes (2004-2011)
Instructor, UCLA GCRC Summer Course, Health-Related Quality of Life Assessment in Outcome Studies (2002-2011)
Instructor, UCLA RWJ Clinical Scholars Course, Theory and Health Services Research (1999-2003, Summer)
Instructor, UCLA Department of Community Health Sciences, Issues in Cancer Prevention and Control (HS 411), 2006 (Fall quarter, guest lecture)
Instructor, UCLA Department of Health Services, Challenges in Clinical Health Services Research (HS 265), (2004—present, Winter quarter, guest lecture)
Instructor, UCLA Department of Health Services, Quality of Care (HS 249F), (1988-2008, 2011)
Instructor, UCLA Department of Health Services, Quality Assessment: Making the Business Case for Quality (HPM 216), (2012, Winter quarter, guest lecture)
Instructor, UCLA Department of Health Services, Measurement of Effectiveness and Outcomes in Health Care (HPM 214), (2001-present)

Editorial Board, Journal of Compliance in Health Care (1987-89)
Editorial Board, National Collegiate Software of Duke University Press (1989-91)
Field Editor, Journal of Studies on Alcohol (1992)
Associate Editor, Quality of Life Research (1991-2001)
Deputy Editor, Medical Care (1997-2002)
Editorial Advisory Board, Clinical Therapeutics (2002-2009)
Editor-in-Chief, Quality of Life Research (2005-2009)
Editorial Board, Primary Health Care: Open Access (2012- 2015)
Special Methodology Panel, Journal of General Internal Medicine (2011-2015)
Editorial Board, Health (2013-2015)

Reviewer (list from 1999-present), 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), American Journal of Managed Care (2015-2016), American Journal of Medicine (2004-2005), American Journal of Preventive Medicine (2006), Annals of Behavioral Medicine (2001), Annals of Internal Medicine (2000-2001, 2004-2006), Applied Health Economics and Health Policy (2015), Archives of Physical Medicine and Rehabilitation (2013), Arthritis (2013), Assessment (2011), Australian and New England Journal of Public Health (2012), BMC Medical Research Methodology (2015), Behaviour Research and Therapy (1999), Cancer (2014), Clinical Infectious Diseases (2000), Clinical Research and Regulatory Affairs (2015), Clinical Therapeutics (2000-2002, 2014), Current Medical Research and Opinion (2004), Dove Medical Press (2015), Drug and Alcohol Dependence (2016), Epilepsia (2013-2014), Evaluation and the Health Professions (2004-2005, 2010), Field Methods (2011), General Hospital Psychiatry (2010), Healthcare (2015), Health Education Research (2005), Health and Quality of Life Outcomes (2004-2015), Health Psychology (2000), Health Services and Outcomes Research Methodology (2002), Health Services Research (1999-2011, 2013), Hemodialysis International (2011), HIV Clinical Trials (2001-2005), International

Journal for Equity in Health (2009, 2012), International Journal of Occupational Medicine and Environmental Health (2015), Investigative Ophthalmology and Visual Science (2014-2015), Joint Commission Journal on Quality and Patient Safety (2007-2010, 2013), Journal of the American Geriatrics Society (2001), Journal of the American Medical Association (1999-2001, 2004-2005, 2012), Journal of Aging and Health (2011), Journal of Applied Biobehavioral Research (2013), Journal of Behavioral Medicine (2000), Journal of Clinical Epidemiology (2011, 2015), Journal of Clinical Oncology (2002), Journal of Comparative Effectiveness Research (2014), Journal of General Internal Medicine (2001-2006, 2012), Journal of Graduate Medical Education (2013), Journal of Health Care for the Poor and Underserved (2002), Journal of Medical Systems (2009), Journal of Oncology Practice (2015), Journal of Pain and Symptom Management (2015), Journal of Psychosomatic Research (2001, 2011), Journal of Rehabilitation Research and Development (2002), Kidney International (2000, 2011), Lancet (2011, 2015), Medical Care (1999-2004, 2009-2011, 2014), Medical Care Research and Review (2016), Medical Decision Making (2001), Multiple Sclerosis Journal (2009), Nephrology (2012), Neurorehabilitation and Neural Repair (2007, 2009), Nicotine & Tobacco Research (2009), Ophthalmology (2002, 2004), Pediatrics (2002), Pharmacoeconomics (2015), Pharmacoeconomics and Outcomes Research (2002), PLoS ONE (2011, 2013), Psychology and Aging (2000), Psychological Assessment (2000, 2002, 2009, 2014), Psychological Medicine (2013), Psychological Reports (1999, 2002-2004), Psychosomatics (2013), Quality of Life Research (1999-2005, 2009-2015), Rheumatology (2011), Social and Preventive Medicine (2001), Social Science and Medicine (2001), The Patient (2013-2015), Value in Health (2012), and Western Journal of Medicine (2002), Western Journal of Nursing Research (2015).

Society for General Internal Medicine (1995-97, 2002-2006, 2010)

International Society for Quality of Life Research (1992-Present); abstract reviewer 8, 9, and 10th Annual meetings, 2001-2003; meeting chair (2005)

Association for Health Services Research/Academy Health (1994-Present)

National Institute of Child Health and Human Development Special Emphasis Panel, "Dynamic Health Assessments for Medical Rehabilitation Outcome" (July-August, 2003)

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" (June, 2004)

Reviewer, National Institutes of Health Biostatistical Methods and Research Design Study Section (June 9, 2006)

Consensus-based Standards for the selection of health Measurement Instruments (COSMIN) Panel member (2006-2007)

Data and Safety Monitoring Committee, Convergence Insufficiency Treatment Trial, National Eye Institute (2005-2009)

Agency for Healthcare Research and Quality Hospital Survey on Patient Safety Culture Database Expert Panel (2006-2007)

Medicare Health Outcomes Survey Blue Ribbon Panel (2007)

Medicare Health Outcomes Survey Technical Expert Panel Member (2005-2008)

Reviewer, Representative Research In Social Psychology (1982-83)

Associate Editor, Representative Research in Social Psychology (1983-84)

Reviewer, Agency for Health Care Policy Small Grants (1990-1993)

Reviewer, Department of Veterans Affairs Small Grants (1991-93)

Reviewer, Foundation for Chiropractic Education and Research Grants (1993)
Reviewer, Aetna Health Quality of Care Research Grants (1998).
Reviewer, UCLA AIDS Institute Seed Grants (2001-2002)
Reviewer, Stein-Oppenheimer proposal, UCLA (2004)

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."

Research Advisory Committee Member, UCLA Robert Wood Johnson Clinical Scholars Program (1993-present)

Applicant Interviewer, UCLA Robert Wood Johnson Clinical Scholars Program (1990-present)

Research Member, Beeson Grant, Alison Moore, "Alcohol use among the elderly" (July, 1998-June, 2001)

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, 1992-1994)

Community Advisory Board Member, DAART Project, County of Los Angeles Department of Health Services (2001-2002)

Speaker, Medical Career Conference, UC Riverside (May 9, 2009 and October 22, 2011)

Research Advisor, Steven Barnett (2006-2009), "Deaf people and health care: A study using a linguistically appropriate survey."

Research Advisor, Rachel Hess (2004-2009), "Does menopause matter?" NIA K23-AG024254-01

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

Research Advisor, Zhang Yanhong, visiting doctoral student from China Academy of Chinese Medical Science (2011, Spring/Summer)

Research Mentor, José Luis Calderón, Dr. M. Alfred Haynes Research Training Institute for Social Equity, May 23-25, 2012.

UCLA Fellows and Clinical Scholars Protocol Committees Member:

- David Shapiro (1990), "The contributions of co-authors to multi-authored scientific papers."
- David Baker (1990), "Patients leaving the emergency department without medical evaluation: Impact on health and implications for health care access."
- Barbara Vickrey (1990), "Quality of life before and after epilepsy surgery or evaluation for epilepsy surgery."
- Dan Shugars (1990), "Development of a measure of dentists' job satisfaction." UCLA School of Dentistry
- William Cunningham (1992), "Coping, social support, and access to care: Effects on quality of life for individuals with HIV infection."
- Alison Moore (1992), "Screening for impairment in ambulatory elderly patients."
- Mark Litwin (1993), "Quality of life in men with prostate cancer."
- Eve A. Kerr (1993), "Utilization management in ambulatory care for prepaid patients: The role of physician groups."
- Russell Beckley (1994), "Patient satisfaction among veterans."

- Mitchell D. Wong (1999), “Patient preferences and perceptions of barriers to care.”
- Shinji Matsumura (1999), “Understanding Japanese patients’ assessments of primary care physicians: Comparative study between Japan and the US.” (social science mentor)
- Susannah Rowe, (1999), “Assessing outcomes of school vision screening”
- Neil Paige, (1999), “Studying the use of Sildenafil (Viagra).” (social science mentor)
- Catherine A. Sarkisian, (1999), “Perceptions of successful aging among older adults and their physicians.” (social science mentor).
- Andriette Ward (1999), “Who’s getting 5-a-day? Predictors of fruit and vegetable consumption among a nationally representative sample of adolescents.”
- Josh Chodosh (2000), “Missing the diagnosis of cognitive impairment: Understanding barriers and the impact of health services utilization.” (social science mentor)
- Kenley Chin (2000), “Study of radiographic and health status measures of quality of care and outcomes for adults with rhinosinusitis.” (social science mentor)
- Ruth Hertzmann-Miller (2000), “The role of values in medical decision-making.”
- John T. Chang (2002-2005), “Assessing the quality of medical care in vulnerable elders using a patient interview.”
- Debra Lotstein (2003-2006), “Transitions in medical care from adolescents to young adulthood in children with special medical care needs.”
- Brad Zebrack (2003-2009), “Quality of life assessment in childhood cancer survivors,” NIH/NCI K07 Career Development Award.
- Takahiro Higashi (2004-2005), Visiting scholar program guidance committee member.
- Lori Shiotani (2005-2007), “Internal medicine physicians working part-time: Trends, associations and implications.”

Dissertation Committees:

- Ming-Pay Liu (1989), “Predictors of dropout of mental health treatment among Asians and Whites.” CSPP-Los Angeles
- Joe Revetto (1989), “A comparison of indirect versus direct self-report screening instruments for alcohol disorder.” CSPP-Los Angeles (chairman)
- Pat Breit (1989), “Effect of assertion training on internal focus of control and life satisfaction of older community residents.” CSPP-Los Angeles (chairman)
- Lisa Firestone (1991), “Reliability and validity of the Firestone Voice Scale for Self-Destructive Behavior.” CSPP-Los Angeles (chairman)
- Laura Mansouri-Meinert (1991), “The effects of patient recording of chiropractic recommendations on recall and adherence to treatment recommendations.” CSPP-Los Angeles (chairman)
- Jeffrey A. Johnson (1996), “A comparison of patient satisfaction with mail and traditional pharmacy services.” University of Arizona, Department of Pharmacy Practice
- Mary Bugbee (1997), “Quality of life in transplant patients.” CSPP-Los Angeles (chairman)
- Nicolette C. M. Theunissen (1999), “Health related quality of life in children.” University of Leiden
- Leo Sergio Morales (2000), “Assessing patient experiences with healthcare in multi-cultural settings.” RAND Graduate School (chairman)

- Eric Gordon Bing (2000), “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)
- Aram Dobalian (2001), “Advance directives and resource use in nursing homes.” UCLA Department of Public Health (Doctor of Philosophy)
- Arash Naeim (2002), “Healthcare cost-effectiveness analysis for older patients: Using cataract surgery and breast cancer treatment data.” RAND Graduate School
- An-Fu Hsiao (2004), “Development of a measure of a practitioner’s orientation toward integrative medicine.”
- Jo-Ann Eastwood (2004), “Psychosocial factors and health-related quality of life among patients diagnosed with coronary heart disease.”
- Derjung Mimi Tarni (2005),”Do doctors communicate the right information when initiating prescription medications?” (chairman)
- Sepi Farivar Varon (2005), “Interpreting health-related quality of life measures – Summary scores and the minimally important difference.” (chairman)
- Shana Traina (2006), “Influence of social networks and pain on depression in newly diagnosed rheumatoid arthritis (RA) patients.” (chairman)
- John Tekuang Chang (2006), “Preventing falls and assessing the quality of care for falls in older adults.”
- Jeanne Black (2007),”Comparing the population health status of Latinos and non-Latino whites: Do standard self-report measures have cross-cultural validity?”
- Richard D. Hector (2007), “The evaluation and health state valuation of the Quality of Well-Being Scale in Trinidad and Tobago, West Indies.”
- Tiffany Quock (2008), “Cost-Effectiveness Analysis of Pharmacotherapy and Deep Brain Stimulation in Neurodegenerative Parkinson’s Disease.” (chairman)
- Kelly Chong (2008), “Psychometric analysis and evaluation of Iowa Medicaid enrollees’ experiences with health care using CAHPS 4.0 health plan survey.” (chairman)
- Warunee Punpanich (2009), “Development of a culturally appropriate health-related quality of life measure for HIV-infected children in Thailand.”
- Gregory Maglinte (2009), “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)
- Anthony W. McGuire (2010), “Health outcomes in cardiac patients after depression screening by nurses.”
- Anne M. Walling (2010), “Quality of End of Life Care in the Hospital”
- Sylvia H. Paz (2010), “Development and evaluation of patient-reported outcome measures for use in a diverse society.” (chairman)
- Susan A. McCloskey (2011). “Development and validation of anatomic site specific patient reported symptom sets to assess radiation therapy induced treatment toxicities.”
- Erin E. Hahn (2011-2013). “Cancer survivors and survivorship care. “
- Sarah Linsley Starks (2012). “Cost and effectiveness of full service partnerships: Assertive community treatment of severe mental illness following the California Mental Health Services Act.”
- Allice P. Villatoro (2012). “Mental illness careers of racial-ethnic minorities in the United States: The case of perceived need for mental health care.”

- Mohir Ahmedov (2013). “Are worse perceptions of care for Asians due to lower quality of care or differences in response tendencies?” (chair)
- Srinkivasu Ammisetty Sunkara (2013). “Comparative effectiveness studies.”
- Geoffrey Jonathan Hoffman (2013). “Predictors and outcomes of falls of persons 65 and older in the United States“.

Master Thesis Committees:

- Saud Abdulaziz Alabdulmohsin (1995), “Arabic cross-cultural adaptation and translation of the RAND 36-Item Health Survey 1.0 (SF-36).” University of Arizona, Department of Pharmacy Practice
- Jing Yu (1995), “The reliability of the U.S. Chinese American test version of the SF-36 health survey.” University of Arizona, Department of Pharmacy Practice
- Shonda Anita Foster (1999), “Comparison of the Nottingham Health Profile, Health Utilities Index, and Osteoporosis Assessment Questionnaire in established postmenopausal osteoporosis.” University of Arizona, Department of Pharmacy Practice
- Fasiha Kanwal (2004). “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

HONORS AND SPECIAL AWARDS:

Phi Beta Kappa, Iota Chapter of California (inducted, 1979)
 National Dean's List (1979-80)
 National Science Foundation Honorable Mention in Graduate Fellowship Competition (1980)
 Who's Who In California (1987-88)
 Outstanding Young Alumnus, University of California, Riverside (1989)
 President's Award, RAND (1993)
 Merit Bonus Award, RAND (2007)
 President's Award, International Society for Quality of Life Research (2009)

RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:

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)
 PI, “Patient Adherence among Chronic Disease Patients,” AHCPR (June, 1990—June, 1991; \$179,427 direct costs) 1 R01 HS06171-01)
 Co-PI, “A Study of Chiropractic Recommendations and Patient Behavior,” Foundation for Chiropractic Education and Research (April, 1992—April, 1992; \$76,523 total costs)
 PI, “Microcomputer Assessment of Alcohol Use,” NIAAA (July, 1990 - July, 1993; \$757,911 total costs)
 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)
 PI, “Quality of Life of ESRD Patients,” Subcontract from University of Arizona (September, 1993 - November, 1993; \$62,782 total costs)

- PI, "ESRD Health-Related Quality of Life Instrument Development," Amgen (December, 1993 - June, 1995; \$130,000 total costs)
- 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)
- PI, "Patient Satisfaction with Managed Care Plans," Unified Medical Quality Commission (July, 1994- June, 1995; \$328,191 total costs)
- PI, "Review of Measures of Health-Related Quality of Life for Persons with Stroke," Pfizer (July, 1996 - December, 1996, \$150,000 total costs)
- Co-PI, "Review of Measures of Health-Related Quality of Life for Persons with Anxiety," Pfizer (July, 1996 - December, 1996, \$150,000 total costs)
- Co-PI, "A Chiropractic Survey Kit for Consumer Assessment of Health Plans Study," NCMIC (July, 1996-June, 1997, \$298,858, total costs)
- PI, "Consumer Assessment of Health Plans Study," Agency for Healthcare Research and Policy, U18 HS09204 (October, 1995 - April, 2002, \$6,217,892, total costs)
- PI, "Kidney Disease Quality of Life Research Project," Amgen (September, 1996-July, 1997; \$50,154 total costs)
- PI, "Analysis of Physician Value Check Survey, 1996 Baseline," The Medical Quality Commission (February, 1997 - July, 1997, \$ 33,720, total costs)
- PI, "Development of a Standardized Consumer Assessment of Physician Group Survey Instrument," California Healthcare Foundation (July, 1999-March, 2001)
- PI, "Analysis of Physician Value Check Survey, 1998 Follow-up," Pacific Business Group on Health (January, 1999-June, 2000; \$100,000 total costs)
- 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)
- PI, "Automating the Kidney Disease Quality of Life (KDQOL) Instrument in Clinical Practice," Amgen (September, 1999-June, 1999; \$22,800 total costs)
- PI, "Development of a Refractive Error Correction Questionnaire," National Eye Institute (June, 1997-December, 1999; \$79, 867 total costs)
- PI, "Development of a Standardized Consumer Assessment of Physician Group Survey Instrument," California Healthcare Foundation (June, 1999-June, 2000; \$624,022 total costs)
- 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)
- 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)
- 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)
- 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)
- PI, "CAHPS II," Agency for Healthcare Research and Quality, U18 HS13191 (June, 2002 - May, 2007, \$7,000,000, total costs)
- PI, "CAHPS III," Agency for Healthcare Research and Quality, U18 HS016980 (August, 2007 - July, 2012, \$7,325,280, total costs)
- PI, subcontract, "Mode and Language Evaluation of Generic Measures," NIH, (April, 2004 - March, 2008, \$1,138,560, total costs)

PI, subcontract, "NIH PROMIS Statistical Coordinating Center," NIH, (September, 2004 - October, 2009, \$800,581, total costs)
PI, "CAHPS IV," Agency for Healthcare Research and Quality, U18 HS016980 (September, 2012 – August, 2017, \$1,500,000, total costs)
PI, subcontract, "NIH PROMIS Statistical Coordinating Center," NIH, (October, 2009-July 13, 2013, \$456,681, total costs)

LECTURES AND PRESENTATIONS (selective list):

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

- myocardial 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 statistical 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, March). Race/ethnicity differences in reports and ratings of health care. UCLA Health Psychology Class, Guest lecture, Los Angeles, CA.
105. **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.
106. **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
107. 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.
108. 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.
109. 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.

110. **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.
111. **Hays, R. D.** (2000, August). Consumer Assessment of Health Plans Study (CAHPS). Paper presented at the meeting of the American Statistical Association, Indianapolis, IN.
112. **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.
113. **Hays, R. D., & Morales, L. S.** (2000, October). Patient satisfaction with care. Invited Workshop, International Society for Quality of Life Research, Vancouver, Canada
114. **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.
115. **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.
116. 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.
117. **Hays, R. D.** (2001, January). A survey of consumer assessments of physician groups in 2001. Drew RCMC Invited Lecture. Los Angeles, CA.
118. **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.
119. 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.
120. **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.
121. **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.
122. **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.
123. **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.
124. 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.
125. **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.
 126. 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.
 127. 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.
 128. 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.
 129. **Hays, R. D.** (2001, June). HIV medication adherence and the CFAR adherence core. Invited presentation to the UCLA Fogarty Fellows, Los Angeles, CA.
 130. **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.
 131. **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.
 132. **Hays, R. D.** (2001, September). Considerations in determining clinically meaningful differences in health-related quality of life. Invited presentation at the Outcomes Research Conference, Philadelphia, PA (cancelled due to 09-11-01 terrorist attacks).
 133. 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.
 134. 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.
 135. **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.

136. 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.
137. **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.
138. **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.
139. **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.
140. **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.
141. 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.
142. 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.
143. 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.
144. 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.
145. 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.
146. Sprangers, M. A. G., Moinpour, C. M., 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.
 147. Symonds, T., Berzon, R., Marquis, P., Rummans, T., & the **Clinical Significance Meeting Group**. (2002, April). The clinical significance of QOL results: Practical considerations for specific audiences. Paper presented at “Assessing the Clinical Significance of Quality-of-Life Measures in Oncology Research: State of the Science.” Rochester, MN. Abstract in Clinical Therapeutics, 24, suppl. B, 8.
 148. **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.
 149. 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.
 150. 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.
 151. 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.
 152. 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.
 153. 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.
 154. **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.
 155. **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.

156. **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.
157. 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.
158. **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.
159. **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.
160. **Hays, R. D.** (2002, November). Selecting items for short forms. Paper presented at the International Society for Quality of Life Research, Orlando, FL.
161. **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.
162. **Hays, R. D.** (2002, November). Health-related quality of life assessment. Invited lecture, UCLA Center for East-West Medicine. Los Angeles, CA.
163. 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.
164. **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.
165. **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.
166. **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.
167. **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.
168. **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.
169. **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.
170. **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.

171. **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.
172. **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.
173. 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.
174. **Hays, R. D.** (2003, July). Health-related quality of life assessment in outcome studies. Invited lecture, UCLA GCRC Course. Los Angeles, CA.
175. **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.
176. 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.
177. **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.
178. **Hays, R. D.** (2003, October). Item response theory applications in health: Discussant. Invited presentation at the American Statistical Association meeting, Chicago, IL.
179. **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.
180. **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.
181. 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.
182. **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.
183. **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.

184. **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.
185. **Hays, R. D.** (2004, March). Patient reports and ratings of health care. Presented as invited lecture for UCLA Health Services 265. Los Angeles, CA.
186. **Hays, R. D.** (2004, March). Estimating minimally important differences. Seminar presented to Amgen Pharmacoeconomics group. Thousand Oaks, CA.
187. **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.
188. 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.
189. 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.
190. **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.
191. 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.
192. 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).
193. **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.
194. **Hays, R. D.** (2005, February). Factor analysis. Invited lecture, UCLA Nursing School, N208 (Research in Nursing: Measurement of Outcomes). Los Angeles, CA.
195. **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.
196. **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.

197. **Hays, R. D.** (2005, July). Health-related quality of life assessment in outcome studies. Invited lecture, UCLA GCRC Course. Los Angeles, CA.
198. **Hays, R. D.** (2005, October). Discussant: CAHPS Hospital Survey. Presented at the American Statistical Association International Conference on Health Policy Research. Boston, MA.
199. **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.
200. **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.
201. 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.
202. 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.
203. 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.
204. 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.
205. **Hays, R. D.** (2006, September). Psychometric modeling and calibration. Paper presented at the inaugural PROMIS meeting, Gaithersburg, MD.
206. **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.
207. 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.
208. 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.
209. 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.
210. **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.
211. **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.

212. 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.
213. 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.
214. 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.
215. **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.
216. **Hays, R.D.** (2008, June). Measurement issues. Diabetes & Obesity Disparities in Health Care Systems Conference. Bethesda, MD.
217. **Hays, R. D.** (2008, September). Construction and evaluation of multi-item scales. RCMAR/EXPORT seminar series. Los Angeles, CA.
218. **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.
219. **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.
220. **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.
221. **Hays, R. D.** (2008, December). Ambulatory care survey updates: Health Information Technology. CAHPS and SOPS User Group Meeting. Scottsdale, AZ.
222. **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.
223. **Hays R. D.** (2009, May). Introducing structural equation modeling (SEM) to novices using Keven Heslin's SF-36 data from opiod users. UCLA GIM/HSR Research Seminar Series. Los Angeles, CA.
224. **Hays, R. D.** (2009, June). Health-Related Quality of Life Preference Measures for Vision Studies. Allergan. Irvine, CA.

225. 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.

226. 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.
227. **Hays, R. D.** (2011, November). Patient-reported outcomes: Measures in nephrology. UCLA Division of Nephrology and Hypertension Grand Rounds. Torrance, CA.
228. **Hays, R. D.** (2011, November). Evaluating multi-item scales. Guest lecture to UCLA HSR225A. Los Angeles, CA.
229. **Hays, R. D.** (2011, November). Multi-item scale evaluation. Guest lecture to RWJ Clinical Scholar's questionnaire design and training workshop. Los Angeles, CA.
230. **Hays, R. D.** (2011, November). Health-related quality of life. Guest lecture to UCLA CTSI Training program in translational investigation. Los Angeles, CA.
231. **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.
232. **Hays, R. D.** (2011, December). Estimating reliability. Presentation in RCMAR/EXPORT Methods seminar series. Los Angeles, CA.
233. **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.
234. **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.
235. **Hays, R. D.** (2012, May). Studying the doctor-patient relationship. Guest lecture to UCLA HS265 (Challenges in clinical health services research). Los Angeles, CA.
236. **Hays, R. D.** (2012, June). Evaluating multi-item scales: Using item-scale correlations and confirmatory factor analysis. UCLA RCMAR Methods seminar, Los Angeles, CA.
237. **Hays, R. D.** (2012, November). Patient-reported physical functioning. MCID: Defining outcome metrics for orthopaedic devices conference. Silver, Spring, MD.
238. **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.
239. **Hays, R. D.** (2012, November). Evaluating multi-item scales. Guest lecture to UCLA HS225A (Health Services Research Design). Los Angeles, CA.
240. **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.
241. **Hays, R. D.** (2012, December). CAHPS survey items assessing how well healthcare providers address health literacy. Presentation at the 13th RCMI International Symposium on Health Disparities, Puerto Rico.

242. **Hays, R. D.** (2012, December). Patient-centered outcomes of health care. CTSI Training Module 2: Comparative effectiveness research. UCLA, Los Angeles, CA.
243. **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.
244. 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.
245. **Hays, R. D.**, & Spritzer, K. L. (2013, November). Recycled Sas PrEdiCTions (RESPECT). Paper presented at the Society for Computers in Psychology meeting, Toronto, Canada.
246. 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.
247. 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.
248. 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.
249. 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.
250. **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.
251. 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.

PUBLICATIONS/BIBLIOGRAPHY:

RESEARCH PAPERS

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.
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B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS)

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2. Hoffman, G. et al. (in press). Claims-based identification methods and the cost of fall-related injuries among U.S. older adults. Medical Care.
3. Fung, C.H., Alessi, C., Truong, C., Josephson, K., Hays, R.D., Col, N., Patterson, E.S., & Martin, J.L. (in press). Patient-provider communication with older adults about sleep apnea diagnosis and treatment. Behavioral Sleep Medicine.

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

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2. Paz, S. H., Jones, L., Calderón, J., & **Hays, R. D.** (submitted). Readability of the Geriatric Depression Scale and the PROMIS® physical function items and comprehensibility by older African Americans and Latinos. Journal of Healthcare for Poor and Underserved.
3. **Hays, R. D.**, Revicki, D. A., Feeny, D., Fayers, P., Spritzer, K. L., & Cella, D. (submitted). Equating PROMIS global health items and the PROMIS-29 profile measure to the Health Utilities Index—Mark 3. Value in Health.
4. **Hays, R. D.**, Chawla, N., Kent, E. E., & Arora, N. K. (submitted). 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.
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