

## STEPHEN CRYSTAL

Center for Health Services Research  
Institute for Health, Health Care Policy, and Aging Research (IFH),  
and School of Social Work, Rutgers University  
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### PROFESSIONAL EXPERIENCE

1987- INSTITUTE FOR HEALTH, HEALTH CARE POLICY,  
AND AGING RESEARCH, and SCHOOL  
OF SOCIAL WORK, RUTGERS UNIVERSITY

*Board of Governors Professor of Health Services Research (2009-present).*  
*Distinguished Research Professor (2001-present), School of Social Work and IFH.*  
*Director, Center for Health Services Research (CHSR, 2004-present).*  
*Associate Institute Director for Health Services Research (2001-present).*  
*Research Professor (1992-2001); Associate Research Professor (1987-92).*  
*Chair, Division on Aging and AIDS Research Group (1987-present).*  
*Professor of Public Health, School of Public Health (2002-present).*

- Developed diverse program of health services, social welfare and policy studies at Rutgers, including studies in aging; mental health services; HIV/AIDS; substance abuse; prescription drug use, outcomes, and policy; Medicare and Medicaid; and economic and health inequality over the lifecourse. Serve as Chair of Division on Aging and AIDS Research Group. Led development of core data resources of national scope, and collaborations with states, health plans, VA, and research partners at other universities, including multistate MEDNET/SMINET consortium, a public-academic partnership to increase use of evidence-based practices in state Medicaid, mental health, and child welfare programs. Recruited interdisciplinary group of faculty to Rutgers, with home bases in multiple schools.
- Developed and direct CHSR with programs that include a PCORI funded multistate study of psychotropic oversight for children in foster care. Programs also include the Severe Mental Illness Network for Evidence Based Treatment (SMINET), in which 6 states work with Rutgers as the academic partner to improve mental health care and outcomes for Medicaid beneficiaries, through increasing uptake of evidence-based practices and incorporation of measurement-based quality improvement processes into Medicaid program management.
- Tenured academic appointment based in School of Social Work with courtesy appointments in Sociology and in the School of Public Health. Also hold adjunct faculty appointment at UCSD School of Medicine.

1995-96 DEPARTMENT OF HEALTH CARE POLICY  
HARVARD MEDICAL SCHOOL

*Visiting Professor*

- On sabbatical leave from Rutgers, served as Visiting Professor of Health Care Policy; participated in advanced doctoral courses in biostatistics at Harvard School of Public Health.

1985-1987: SCHOOL OF MEDICINE  
UNIVERSITY OF CALIFORNIA, SAN DIEGO

*Chief, Division of Health Care Sciences (1985-1987)*

*Assistant Professor of Community and Family Medicine (1985-87)*

- Research and teaching in medical school setting, focusing on health policy and gerontological research. Headed interdisciplinary division including physicians and social scientists working in health services research, health economics, medical sociology and anthropology, international health, medical ethics, biostatistics, and health psychology. Non-salaried clinical faculty member, 1987-present.

1972-1985: NEW YORK CITY HUMAN RESOURCES ADMINISTRATION  
FAMILY AND ADULT SERVICES

*Director, Bureau of Management Systems, Planning, Research, and Evaluation (1975-1985)*

*Director, Center for Human Services Research and Development (1978-1985)*

*Director, Bureau of Program Planning and Administration (1973-1975)*

*Director of Planning, Bureau of Purchased Social Services (1972-1973)*

- Directed research, planning, evaluation, computer systems, project management, and legislative affairs for city's Family and Adult Services agency, responsible for a broad range of health and human services programs including the city's programs for the homeless; home health and other long-term care services; adult protective services; domestic violence; family planning; senior centers; and a range of other long-term care, mental health, and other family and adult services. Recruited and directed planning and analysis staff of 55. Additional operational responsibilities included development and direction of city's \$400 million Medicaid personal care (Home Attendant) program serving 28,000 aged and disabled clients, with line responsibility for city's Division of Home Attendant Services. Directed development and contracting of drop-in centers for homeless mentally ill; developed and directed services for homeless youth; developed and oversaw quality monitoring system for in-home care programs. Responsible for analysis of federal and state legislative proposals affecting family and adult services, and development city proposals for legislation in areas.
- Established and directed NYC's Center for Human Services Research and Development; led federally funded national studies of home health care and adult protective services; analyzed city policies and programs for long-term care. developed strategic plans for quality and outcome improvement; led city's research efforts on the homeless population; organized multistate human services research consortia; led numerous evaluations and surveys related to Medicaid services, home care, adult protective services, homelessness, and other adult health and social services. Developed and implemented plans for restructuring of Medicaid-funded long-term care services; oversaw analysis of proposed federal and state legislation affecting agency programs; developed successful legislative proposals for public guardianship and other initiatives.

1971-1972: NEW YORK CITY OFFICE OF THE MAYOR/OFFICE OF MANAGEMENT AND BUDGET

*New York City Urban Fellow; Program Analyst for Health Services; Consultant*

- Responsible for program analysis, expenditure monitoring, review and recommendations on budget requests for city's health care agencies including 22-hospital Health and Hospitals Corporation (HHC) and Department of Health.
- Conducted special studies of municipal health policy problems including long-term care of the aged, infectious disease control, child and school health, ambulatory care, and health manpower. Worked with city agencies to develop city long-term care plan, and to restructure human service programs to maximize federal reimbursement.
- Monitored proposed state and federal health legislation; developed mayoral proposals for state and federal health legislation.
- Worked with city's medical schools on development of health manpower education programs.

## **EDUCATION**

*Ph.D.* Harvard University (1981), Sociology. Major fields: medical sociology; sociology of aging; mental health and substance abuse; social policy.

*M.A.* Harvard University (1975), Sociology.

*B.A.* University of Chicago (1968), Anthropology and Biology, with General Honors. Honors at Entrance, accreditation at entrance from high school for 47 credits.

## **OTHER TRAINING**

*B.S.* New York State Regents External Degree Program (1981), Computer Science. Post-doctoral coursework in statistics, biostatistics and econometrics, at Harvard School of Public Health, Johns Hopkins University, University of Michigan, and University of Pennsylvania, including hierarchical linear models (1994), event history analysis (1992), structural equation models (1993, 1994), advanced economic statistics (1995), meta-analysis (1966), advanced regression methods (1966), analysis of longitudinal data (1996).

## **SELECTED AWARDS**

Abt Associates Public Policy Research Prize.

John Kendrick Prize, International Association for Research in Income and Wealth, for outstanding contribution to *The Review of Income and Wealth* (with Dennis Shea).

Women's Health Research Leadership Award, Jacobs Institute for Women's Health, for outstanding contribution to *Women's Health Issues* (with Usha Sambamoorthi, Rizie Kumar and Jeff Harman).

Mitchell B. Balter Award, Journal of Clinical Psychopharmacology, for outstanding contribution in pharmacoepidemiology, with Krista Huybrechts, Kenneth Rothman, Alan Brookhart, Rebecca Silliman, Tobias Gerhard, and Sebastian Schneeweiss.

Westinghouse Science Talent Search Semifinalist.

National Science Foundation Graduate Fellow.

University Scholar, Harvard University.

National Merit Scholar.

Bausch and Lomb Medal for Exceptional Achievement in Science.

### **OTHER RECOGNITION**

Identified in 2019 as one of the 25 most influential contemporary social work faculty in Thyer B, Smith T, Osteen P and Carter T. 2019. The 100 Most Influential Contemporary Social Work Faculty as Assessed by the H-Index, *Journal of Social Service Research*, DOI: 10.1080/01488376.2018.1501793.

### **MEMBERSHIPS**

Gerontological Society of America (Fellow of the Society).

American Sociological Association.

American Public Health Association.

American Economic Association.

American Statistical Association.

International Society of Pharmacoepidemiology.

### **EDITORIAL RESPONSIBILITIES**

Editorial Board, *Research on Aging*, 1997-2012. Guest editor, with Marcia Ory and Diane Zablotsky, for special issue on Aging and HIV/AIDS, 1997-98.

Editorial Board, *The Gerontologist*, 1991-2001.

Guest editor for special issue, *Journal of AIDS*, 2001.

Peer review for journals including: *New England Journal of Medicine*; *JAMA*; *Lancet*; *J. General Internal Medicine*; *J. Gerontology: Social Sciences*; *Medical Care*; *American J. of Public Health*; *Health Services Research*; *Milbank Memorial Fund Quarterly*; *The Gerontologist*; *J. Health and Social Behavior*; *The Review of Income and Wealth*; *Cancer*; *J. Health Politics, Policy, and Law*.

### **STUDY SECTIONS AND PEER REVIEW RESPONSIBILITIES**

NIH Center for Scientific Review, Health Services Organization and Delivery study section (HSOD). Peer reviewer at multiple study section meetings ranging from 2004 to 2019. Served on predecessor NIH Health Services Research review group (SNEM 4-1), 2000-2002; study section chair for summer 2000 meeting.

California HIV/AIDS Research Program. Member, Study Section for Systems of HIV Prevention and Care; study section chair (2009). Member, Health Services, Prevention, Behavioral Epidemiology and Policy Study Section, 1999-2006.

National Institute of Mental Health. Special study section for review of mental health center grants. 2007.

National Institute of Mental Health. Special study section for RFA applications on antidepressants and suicidality. 2006.

Center for Scientific Review. Special study section for review of HIV/AIDS behavioral science applications. 2006.

National Institute on Aging. Special study section for competing renewal of the Health and Retirement Study. 2005.

Robert Wood Johnson Foundation/AcademyHealth. Reviewer, Health Care Financing and Organization Program, 2005.

Center for Scientific Review, NIH. Special Panel for Behavioral and Social Aspects of Preventing HIV/AIDS (AARR-G), 2005.

Center for Scientific Review, NIH: special review committee (cancer health services research), 2002.

Center for Scientific Review, NIH: NIH HIV/AIDS Behavioral Science study section (AARR-8), 1998-1999.

National Institute of Drug Abuse: Member of NIDA HIV/AIDS Behavioral Research study section (NIDA-J), 1997-98.

National Institute of Mental Health: Member of special study section and site visit for Center for AIDS Prevention Studies, 1995; review committee for training grants, 1994; Special Emphasis Panel for HIV/AIDS Behavioral Research, 1999.

Agency for Health Care Policy and Research: Member of HIV Health Services Research Study Section; chair, ad hoc study section; numerous ad hoc reviews, 1989-1996.

National Institute on Allergy and Infectious Diseases: Member, study section for Multicenter AIDS Cohort Study Statistical Center and Clinical Sites, 1994; study section for Community Programs for Clinical Research on AIDS (CPCRA) Statistical Center, 1994; study section and final selection committee for CPCRA Operations Center, 1994.

Academy for Health Services Research and Policy, Robert Wood Johnson Foundation Health Care Financing and Organization program: reviewer, 2002.

AARP Andrus Foundation: Member of standing peer review panel for grants on economic well-being of the elderly, 1997-2000.

Other proposal review responsibilities for Agency for International Development; Robert Wood Johnson Foundation; Smith Richardson Foundation; Surdna Foundation; New Jersey Department of Health.

### **OTHER PREVIOUS APPOINTMENTS**

Adjunct Associate Professor of Public Administration, New York University.

Adjunct Associate Professor (Sociology and Political Science), City University of New York.

Visiting Scholar, Department of Sociology, New York University; Visiting Scholar, Institute for Social Research, University of Michigan.

Research Associate, Joint Center for Urban Studies of Harvard and M.I.T.

New York City Urban Fellow, Office of the Mayor, City of New York.

Research Assistant, Department of Psychology, University of California, Berkeley.

Summer training program in biological research (independent research in hematology), Jackson Memorial Laboratory, Bar Harbor, Maine.

Summer training program in experimental psychology, Grinnell College.

### **UNIVERSITY GOVERNANCE AND SERVICE**

*Rutgers University (selected activities):* Organized and co-led grants development workshop series for Rutgers faculty, 2018-2019. Member, Institute for Health Development Advisory Committee, 2015-. Chair, Search Committee for Faculty in Science of Dissemination and Implementation, 2015-2017. Rutgers Advisory Panel to State of New Jersey on Innovation in Medicaid (High Utilizer Working Group), 2014-2016; report led to allocation of \$100 million in additional funds for Medicaid mental health. Search Committee for Director, Institute for Health, 2014-. External member, A and P Committee for Professor II promotion review, Graduate School of Applied and Professional Psychology, 2010-2011. Robert Wood Johnson School of Medicine/Rutgers Review Committee for Clinical and Translational Science Pilot Awards, 2007-2010. Search Committee for Dean, School of Arts and Sciences, 2006-2008. Chair, Appointments and Promotions Committee, School of Social Work, 2003-2006. Search committee for Dean, School of Social Work, 2004-2005. Member of SSW Appointments and Promotions Committee, 2001-2003. Elected to University Senate, representing university's research centers, bureaus and institutes, 1995-1998. Elected to Rutgers-New Brunswick Faculty Council, 1994-1997. University Budget Committee, 1995-98. Provost's Budget and Planning Committee, 1994-1996. President's Search Committee for Dean, College of Nursing, 1994-1995. Search Committee for Director, Center for State Health Policy, 1998. Search Committee for Director, New Jersey Center for Health Statistics, 1999. Search Committee for Biostatistician, Institute for Health, 1999. Executive committee, Rutgers Center for Research on the Organization and Financing of Care for the Severely Mentally Ill, 2000-2004. Associate Director for Research, Center for State Health Policy, 1999-. Social Sciences Area Committee, 2001-2004. Rutgers Task Force on Postdoc Policies and Procedures, 2001-2002. Associate Director for Health Services Research, Institute for Health, Health Care Policy, and Aging Research, 2001-. Director, Rutgers Center for Health Services Research Development (AHRQ-funded Building Research Infrastructure center), 2001-2006.

### **CONSORTIA FOR MAJOR MULTISITE/NATIONAL COHORT STUDIES**

Collaborator and co-investigator on HCSUS (HIV Cost and Services Utilization Study, coordinating center: RAND), VACS (VA Cohort Study, coordinating center: Yale), and TRIAD (multi-state diabetes cohort).

### **NATIONAL AND STATE EXPERT ADVISORY COMMITTEES, OTHER ADVISORY ROLES**

*Substance Abuse and Mental Health Services Administration.* Expert panel on Implementation of Best Practices in Antipsychotic Prescribing for Children and Adolescents. Panel created to advise SAMHSA on recommendations for appropriate prescribing and patient management practices and policies; develop strategies for implementation, dissemination and sustainability; and to review and provide feedback on SAMHSA documents. 2018.

*PCORI/University of Cincinnati*: Technical advisor for large pragmatic trial of metformin in antipsychotic-treated children (MOBILITY); member of Measurement and Dissemination advisory committees, 2017-2020.

*Horizon Blue Cross Blue Shield of New Jersey*. Member of Horizon's Pharmacy & Therapeutics Committee, providing recommendations on inclusion of pharmaceuticals in the formulary, management of pharmacy benefits, and initiatives to improve quality and outcomes of pharmaceutical therapy, 2002-present. Member, Horizon Health and Wellness Committee with responsibility for reviewing and approving Horizon clinical practice guidelines, 2009-2013. Member of Horizon's Disease Management Committee, providing advice on initiatives for improving quality of care for members with chronic conditions (diabetes, coronary artery disease, heart failure, asthma, depression, chronic obstructive pulmonary disease), 2003-2009. Consultant on quality of care, and principal investigator of Horizon-funded projects on post-AMI care (2003-2004) and on quality of depression care (2004-2005).

*National Institute of Mental Health*. Expert Consensus Panel on pediatric antipsychotic use, 2016.

*Centers for Medicare and Medicaid Services*. Technical expert panel for re-evaluation of National Quality Forum/CMS Quality Measures for nursing home care, 2014. Expert advisory panels for Medicaid National Database and for Medicaid Environmental Scanning and Program Characteristics Project, 2010-2011.

*Assistant Secretary for Planning and Evaluation, HHS*. Consultant on Medicaid Atlas, 2013-2014.

*Gerontological Society of America*. Consultant, project on Addressing the Societal Burden of Opioid Misuse Through A Balanced Approach, 2015.

*Coalition for Health Services Research/AcademyHealth Advocacy and Public Policy Committee*. Member, Board of Directors, 2009-; Treasurer, 2010-2012. Member, AcademyHealth Committee on Advocacy and Public Policy (CAPP), 2012-2014. The CHSR and its successor, the CAPP, represent the health services research community in advocacy for the field with Congress and other policymakers, and brief Congressional offices on health services research funding and policy issues in Hill visits and Congressional briefings.

*National Institutes of Health*. NIH Office of Behavioral and Social Science Research Strategy Think Tank, 2010. Member, NIMH advisory committee on HIV and families; program committee, Second and Third Annual Conferences on the Role of Families in Preventing and Adapting to HIV/AIDS.

*Children's Bureau/Administration for Children, Youth and Families*. Member, expert advisory panel for Secretary's task force on psychotropic use in foster care children, 2011-2012; presenter, ACYF Summit for State Policymakers on Psychotropic Use in Foster Care Youth, 2012; presenter/organizer, ACYF/MEDNET Data Speaks webinar on quality measurement and informatics support for psychotropic medication oversight, 2013.

*Government Accountability Office, HHS Inspector General*. Consultations on design of studies on psychotropic medication use in Medicaid children, children in foster care, and elderly residents of nursing homes, 2011-2015.

*AXA Research Fund (Paris)*. Expert reviewer for international research on aging, 2011.

*Gerontological Society of America*: Member, GSA Publication Committee, 2007-2010 (oversight committee for GSA journals and other publications). Executive Committee, Section on Social Research, Policy and Practice, 2007-2010. Chair, GSA Public Policy Committee, 1995-96. Organizer and chair for annual symposia on Medicare policy, 2003-2008.

*AcademyHealth*. Program committee for annual research meeting, 2009-2010. Member of committee to advise AcademyHealth board on organizational policy on legislative and regulatory issues on data access, and to draft comments for Academy on proposed federal

regulations on Medicare Part D data access, 2006-2007. Worked with AcademyHealth on advocacy for comparative effectiveness research funding, 2009.

*Annie E. Casey Foundation and The Reach Institute.* Member, expert panel to develop consensus recommendations for mental health treatment of foster care children, 2007.

*Food and Drug Administration.* Member, Planning Board, FDA mini-Sentinel program, 2008-present. Principal investigator, Rutgers mini-Sentinel site, 2008-present. Collaboration with FDA investigators on safety outcomes of antipsychotic medications, pituitary tumors and prolactin related side effects, and advisement on role of claims data in evaluating antidepressant outcomes, 2007-. Participant, AHRQ-FDA Think Tank on development of a national pharmacovigilance system, 2007.

*American Sociological Association.* Section on Aging and the Life Course: Committee on Nominations, 2007-2008.

*Veterans Administration:* VA Cohort Study (funded by NIAAA and NIA): Steering Committee member, Chair of Electronic Data Committee, 2000-present. Collaborator on Research Enhancement Award Program (REAP) for VA Center for Healthcare Knowledge Management.

*John A. Hartford Foundation/Gerontological Society of America:* Mentor for Hartford Faculty Scholar, 2006-07.

*RAND Corporation:* Contract staff, serving as co-investigator on HIV Cost and Services Utilization Survey, 1995-2002.

*State of New Jersey:* Numerous projects on health and aging policy for state government include: principal investigator for award to develop methods for nursing home consumer satisfaction measurement and quality improvement; PI of program evaluations for the state's major Medicaid home and community-based waiver programs; consultant for development of allocation methodology for aging funds; proposal selection committee for AIDS prevention grants; consultant on nursing home quality of care and ratesetting; member of Governor's Task Force on Long-term Care; advisory committee to Robert Wood Johnson-funded long-term care insurance project; investigator on evaluation of Senior Initiative to improve long-term care; organizer and chair, New Jersey Research Conference on HIV/AIDS Care and Prevention.

*New Jersey Legislature:* Member, Legislature's Council of Academic Policy Advisers, 1998-2006. Council advised legislators and staff on health care policy, health financing and aging.

*National Institute on Aging:* Planning committee for NIA conference on HIV interventions for older persons, 2000. Member of NIA Advisory Panel on Social and Behavioral Aspects of AIDS, and consultant to NIA on aging and AIDS, 1988 and 1997.

*Agency for Health Care Policy and Research:* Consultant on planning of HIV Health Care Cost and Utilization Survey; consultant, planning of AIDS health services research conference.

*Health Resources and Services Administration:* Advisory committee on HIV outcomes research, 1995.

*Health Care Financing Administration:* Consultant on Medicare research, 1998.

*State of New York:* Consultant on survey methodology and use of survey databases for planning services for the aging (State Office for the Aging).

*University of California, San Diego, School of Medicine.* As non-salaried clinical faculty member, chaired several prize-winning medical student Independent Study Projects in community medicine.

*Lewin/VHI Inc:* Consultant on study of supply and demand for home care workers.

*Transamerica Life Insurance Company:* Advisory board for Transamerica Survey of the Aged.

- National Academy of Sciences, Institute of Medicine:* Consultant on health care and the elderly for World Health Organization Health Goals Project.
- University of California, San Diego:* Consultant on long-term care policy project funded by the California Policy Seminar.
- National Committee for the Prevention of Elder Abuse:* Member, Board of Directors.
- American Statistical Association:* Discussant, annual meeting. *American Board of Family Practice:* Consultant on survey of middle age in America.
- Robert Wood Johnson Foundation:* National Advisory Committee on mental health services development. Consultant on gerontological services programs, 1995. Mentor for RWJ Faculty Fellow, 2006-.
- National Academy on Aging:* Advisory Panel on the Future of Community-Based Long-Term Care.
- American Association for Retired Persons.* Consultant on economic well-being of the elderly, 1996.
- California Department of Health Services and University of California Office of the President.* Member, AIDS Care and Treatment Research Advisory Committee; consultant on evaluation of Ryan White CARE services in California, 1999-.
- Blue Cross-Blue Shield of Michigan:* Expert witness on cost of care and affordability in rate hearings and consultant on rate issues, 1984.
- State of California, Department of Insurance:* Consultant to Department of Insurance on long-term care insurance (LTCI), co-author of report on LTCI regulation to California legislature, 1987.
- Department of Veterans' Affairs:* Chair of electronic data committee and member of steering committee, Veterans with HIV/AIDS Cohort Study (VACS), 2000-present.
- World Health Organization:* Scientific Advisory Panel to WHO project on "Adherence to Long-Term Therapies: Toward Policies for Action," 2002-.
- Pan American Health Organization and National Institute on Drug Abuse:* Member, working group in HIV and drug abuse in the Americas; participant in Expert Consultation with Latin American health officials and researchers, Buenos Aires, 2001.
- Commonwealth Fund/Rutgers Center for State Health Policy.* Conference chair, Summit Conference of state pharmacy assistance programs, 2002.

## **SELECTED RECENT MENTORING AND ADVISEMENT**

Mentor for Senior Faculty K Award (K18HS023434), Professor Laura Byham-Gray, "Patient-Centered Approach to Protein-Energy Wasting in Dialysis", 2015-2018.

Co-supervisor, Joseph Edward Guilfoyle, Ernest Mario School of Pharmacy and School of Public Health, Capstone report for M.S. in Health Outcomes, Policy and Economics, 2018.

Dissertation advisor, Theresa Viggiano, Sociology.

Mentor for post-doctoral trainees at Institute for Health; co-author with post-doctoral fellow Lauren Vanderwerker on paper in *Psychiatric Services*.

Mentor for Hillary Campbell, research fellow (post-JD fellowship funded by Duke Law School Bridge to Practice program).

Co-mentor, Assistant Professor Tom Mackie.

Co-mentor, Kate Stepleton, IFH Excellence Fellow, SSW Predoctoral Student.

Mentor on grant proposal development for Bonnie Jerome D'Emilia, Assistant Professor, School of Nursing (now Associate Professor).

Mentoring with medical students, residents and junior investigators at Yale and other VA Cohort Study sites in planning and writing VACS papers, resulting in a number of published papers (C. Rentsch, G. Banerjee, D. Weisberg, T. Korthuis, J. Gaither, T. Depp, J. Edelman, K. Akgun, O. Blackstock, K. Armah).

Extensive collaboration with Rutgers junior and mid-level faculty and students on funded projects and published papers. SSW junior faculty collaborations on published papers include K. Zurlo, J. Prince, L. Townsend; student collaborations include J. Bowblis, E. Paek, T. Viggiano.

## **LANGUAGES**

Fluent in French, proficient in Italian.

## **BOOKS**

1. Crystal S: *America's Old Age Crisis: Public Policy and the Two Worlds of Aging*. New York: Basic Books, 1982. Revised paperback edition, Harper and Row. "Best Books of the Year" list, *Christian Science Monitor*; nominee, *Washington Monthly* Political Book Award. Nominated by publisher for Pulitzer Prize.
2. Crystal S, Flemming C, Beck P, Smolka G. *The Management of Home Care Services*. New York: Springer, 1987.
3. Crystal S, Shea D (eds.). *Economic Outcomes in Later Life: Public Policy, Health, and Cumulative Advantage*. (Published as the 2002 volume of the *Annual Review of Gerontology and Geriatrics*). New York: Springer, 2003.

## **EDITED JOURNAL ISSUES**

1. Ory M, Zablotsky D, Crystal S (eds). *HIV/AIDS and Aging*. Special Issue, *Research on Aging* 20 (6): November 1998.
2. Levy J, Ory M, Crystal S (eds). *Aging with HIV/AIDS: The Maturation of an Epidemic*. Special issue, *Journal of Acquired Immune Deficiency Syndromes* 33 (S2), June 2003.

## **RESEARCH ARTICLES**

1. Olfson M, Crystal S, Wall M, Wang S, Liu SM, Blanco C. Causes of Death Following Nonfatal Opioid Overdose. *JAMA Psychiatry* 75(8): 820-827, 2018.  
doi:10.1001/jamapsychiatry.2018.1471

2. Samples H, Williams AR, Olfson M, Crystal S. Risk Factors for Premature Discontinuation of Buprenorphine Treatment for Opioid Use Disorders in a Multi-State Sample of Medicaid Enrollees. *Journal of Substance Abuse Treatment* 95: 8-17, December 2018.
3. Stroup TS, Gerhard T, Crystal S, Huang C, Tan Z, Wall M, Mathai C, Olfson M. Comparative Effectiveness of Adjunctive Psychotropic Medications in Schizophrenia. In press, *JAMA Psychiatry*.
4. Olfson M, Wall M, Wang S, Crystal S, Blanco C. Risks of Fatal Opioid Overdose During the First Year Following Nonfatal Overdose. *Drug and Alcohol Dependence* 190:112-119, 2018 (September 1). doi: 10.1016/j.drugalcdep.2018.06.004.
5. So-Armah K, Gupta SK, Kundu S, Steward JC, Goulet JL, Butt AA, Sico JJ, Marconi VC, Crystal S, Rodriguez-Barradas M, Budoff M, Gibert CL, Chang C, Bedimo R, Freiberg MS. Depression and All-Cause Mortality Risk in HIV-infected and HIV-uninfected U.S. Veterans: A Cohort Study. *HIV Medicine* 20: 317-329, 2019. DOI: 10.1111/hiv.12726.
6. Stroup TS, Gerhard T, Huang C, Tan Z, Wall M, Crystal S, Mathai C, Olfson M. Psychotropic Medication Use in Adults with Schizophrenia and Schizoaffective Disorder in the United States. *Psychiatric Services* 69(5):605-608, 2018. doi: 10.1176/appi.ps.20170035.
7. Mackie T, Olfson M, Crystal S, Cook S, Akincigil A. Antipsychotic Use Among Youth in Foster Care Enrolled in a Specialized Managed Care Organization Intervention. In press, *Journal of the American Association of Child and Adolescent Psychiatry*.
8. McKellar MS, Kuchibhatla MN, Oursler KA, Crystal S, Akgun KM, Crothers K, Gibert CL, Nieves-Lugo K, Womack J, Tate JP, Fillenbaum GG. Race Differences in Physical Functioning in Older Male Veterans with HIV. In Press, *AIDS Research and Human Retroviruses*.
9. Banerjee G, Edelman EJ, Barry DT, Crystal S, Gaither JR, Gordon KS, Gordon AJ, Green TC, Kerns RD, Manhapra A, Moore BA, Fiellin DA, Marshall BDL. High-Dose Opioid Prescribing Associated With Increased Heroin Use Among US Military Veterans. In press, *Pain*.
10. Olfson M, Wall M, Wang S, Crystal S, Bridge JA, Liu SM, Blanco C. Suicide Following Deliberate Self-harm in Adolescents and Young Adults. *Pediatrics* 141(4): e20173517, April 2018.
11. Barry DT, Marshall, BDL, Becker WC, Gordon AJ, Crystal S, Kerns RD, Gaither JR, Gordon KS, Justice AC, Fiellin DA, Edelman EJ. Duration of Opioid Prescriptions Predicts Incident Nonmedical Use of Prescription Opioids Among U.S. Veterans Receiving Medical Care. *Drug and Alcohol Dependence* 2018 Oct 1:191:348-354. doi: 10.1016/j.drugalcdep.2018.07.008. Epub 2018 Aug 22.

12. Williams AR, Nunes EV, Bisaga A, Pincus HA, Campbell AN, Remien RH, Crystal S, Friedmann PD, Levin FR, Olfson M. Developing an Opioid Use Disorder Treatment Cascade: A Review of Quality Measures. *Journal of Substance Abuse Treatment* 91:57-68, 2018. doi: 10.1016/j.jsat.2018.06.001. Epub June 2, 2018.
13. Gaither J, Gordon K, Crystal S, Edelman EJ, Kerns RD, Justice AC, Fiellin DA, Becker WC. Racial Disparities in Discontinuation of Long-Term Opioid Therapy Following Illicit Drug Use Among Black and White Patients. *Drug and Alcohol Dependence* 2018 Nov. 1; 192:371-376. doi: 10.1016/j.drugalcdep.2018.05.033. Epub 2018 Aug 6.
14. Raman S, Man KKC, Bahmanyar S, Berard A, Bilder S, Boukris T, Bushnell G, Crystal S, Lai E, Martikainen J, Maura G, Moore N, Montero D, Nakamura H, Neumann A, Pate V, Pottgard A, Pratt N, Roughead E, Saint-Gerons D, Sturmer T, Su C, Zoega H, Sturkenbroom M, Chan E, Coghill D, Ip P, Wong I. Trends in Attention-Deficit Hyperactivity Disorder Medication Use: A Retrospective Observational Study Using Population-Based Databases. *Lancet Psychiatry* 2018 Oct;5(10):824-835. doi: 10.1016/S2215-0366(18)30293-1. Epub 2018 Sep 13.
15. Crystal S. Cumulative Advantage and the Retirement Prospects of the Hollowed-Out Generation: A Tale of Two Cohorts. *Public Policy and Aging Report* 28(1):14-18, 2018. doi:10.1093/ppar/pry004.
16. Olfson M, Wall M, Wang S, Crystal S, Blanco C. Service Use Preceding Opioid-Related Fatality. *American Journal of Psychiatry* 175(6):538-544, 2017. <https://doi.org/10.1176/appi.ajp.2017.17070808>.
17. Rentsch C, Tate JP, Steel T, Butt AA, Gibert CL, Huang L, Pisani M, Soo Hoo GW, Crystal S, Rimland D, Justice AC, Crothers KA, Akgun KM. Medical Intensive Care Unit Admission among Patients with and without HIV, Hepatitis C Virus, and Alcohol-Related Diagnoses in the United States: A National, Retrospective Cohort Study, 1997-2014. In press, *Journal of AIDS*.
18. Liu W, Antonelli PJ, Dahm P, Gerhard T, Delaney JAC, Segal R, Crystal S, Winterstein A. Risk of Sudden Sensorineural Hearing Loss in Adults Using Phosphodiesterase Type 5 Inhibitors. *Pharmacoepidemiology and Drug Safety*. 27(6):587-595, 2018. doi: 10.1002/pds.4405.
19. Higdon C, Correll C, Crystal S, Patel N, DelBello M. MOBILITY for All? Letter, *Journal of the American Academy of Child and Adolescent Psychiatry*, in press.
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5. Crystal S. *Use of Linked Prescription Drug Claims Data for Improving Public Health and Informing Treatment Decisionmaking*. Policy Brief prepared for AcademyHealth, CMS and Senate Finance Committee in support of regulatory and legislative efforts to provide research access to Medicare Part D data. 2006.
6. Crystal S. *Cost Offsets for Mental Health Parity Legislation*. Analysis prepared for health legislation staff of Speaker of the U.S. House of Representatives, October 2007.
7. Crystal S. *Scientific Potential and Legislative Strategies for Use of Medicare Prescription Drug Data for Research on Comparative Effectiveness, Safety, and Program Evaluation*. Analyses prepared for legislative staff of Chairman of Senate Finance Committee, 2005-2007, leading to development and introduction by committee chair and ranking member of legislation establishing research access to Part D data. (Issue was ultimately resolved via regulation).
8. Crystal S. Access to Health Care Among Injection Drug Users with HIV. In *Conference Proceedings: Blood-Borne and Sexually Transmitted Infections Among IDUs and Their Partners in the Western Hemisphere: Exchange of Experiences and Lessons Learned*, National Institute of Drug Abuse, 2002.
9. Crystal S: Definitions, Dimensions, and Demographics of Global Poverty. Pp. 7-12 in *Proceedings, United Nations Conference on the Future of the World's Older Population*. New York: United Nations Center for Human Settlement, 1996.
10. Crystal S: Economic and Health Inequalities Among the U.S. Elderly: Implications for Health Politics. Paper in *Proceedings of the Conference on Aging and the New Europe*, British Society of Gerontology, Canterbury, England, 1992.

11. Crystal S, Altman R, Costa S, et al: AIDS Surveillance and Survival Status. Paper in *Proceedings of the National Center for Health Statistics Public Health Conference on Records and Statistics*, 1991.
12. Crystal S, Shea D: Adjusted Income Estimates Using the Survey of Income and Program Participation. Paper in *Proceedings of the Fifth Bureau of the Census Annual Research Conference (ARC-V)*, 1989.
13. Crystal S: Commentary on Judith E. Eargle and Enrique J. Lamas, "An Evaluation of Wealth Information in SIPP," Comment in *Proceedings of the Social Statistics Section, American Statistical Association*, 1989:391.
14. Crystal S: Commentary on Cynthia J. Harpine and John M. McNeil, "An Evaluation and Analysis of the SIPP Data on Long-Term Care," Comment in *Proceedings of the Social Statistics Section, American Statistical Association*, 1989:384.
15. Crystal S: Projecting Demand for Long-Term Care. Paper in *Proceedings of the National Center for Health Statistics Fourth Annual Data Users' Conference*, 1981.
16. Crystal S, Ruby K: Assessment of Need for Home Care Services. Paper in *Proceedings of National Center for Health Statistics Fourth Annual Data Users' Conference*, 1981.

#### **SELECTED TESTIMONY, MEDIA, OTHER PUBLIC EDUCATION**

1. Crystal S. The Future of Healthcare: Panel Discussion. Public Broadcasting Service, Think Tank with Steve Adubato. April 2019.
2. Crystal S. Interview with Huffington Post on antipsychotic use for children in foster care and in detention centers, July 2018.
3. Crystal S. Interview on improving nursing home care for people with dementia, December 2017 on Generation Bold, nationally syndicated radio program on aging, with host Adriane Berg. Broadcast December 17, 2017.
4. Crystal S: Interview with correspondent Luca Chianca of RAI (Italian public television) on "the two worlds of aging in the United States and Europe," for news magazine show "Report" (weekly audience of more than 3 million prime-time viewers). September 2017. Program aired November, 2017.
5. Crystal S: Healthcare Consumerism. Panel Discussion. Caucus: Up Close with Steve Adubato. PBS (WNET-New York and New Jersey Network). December 2015.
6. Crystal S. Interview with CBS News on antipsychotic use for children in foster care. October, 2014.
7. Wall Street Journal: worked with reporter Lucette Lagnado on a series of stories on antipsychotic use among foster care and other Medicaid children, incorporating data from Rutgers analyses, 2013-2014.

8. Crystal S: The Affordable Care Act and the Supreme Court Decision. Panel Discussion. Caucus: Up Close with Steve Adubato. PBS (WNET-New York and New Jersey Network). August, 2012.
9. Crystal S. Interview on challenges in children's mental health and other health policy topics. Caucus: Up Close with Steve Adubato. PBS (WNET-New York and New Jersey Network). October, 2011.
10. Crystal S. Interview with *Consumer Reports* on psychotropic medication use in nursing homes, November 2010, selections published in "Drug Overuse Threatens Nursing Home Residents," *Consumer Reports Health.org*, December 2010.
11. Crystal S. Poor Kids and Antipsychotic Drugs. Interview, Southern California Public Radio (KPCC-FM and KUOR-FM), Patt Morrison Show, December 2009.
12. Crystal S. Healthcare Reform. Interview/call-in, Wisconsin Public Radio Ideas Network with Kathleen Dunn (broadcast in WI, MN, IA, IL, MI), September 2009.
13. Crystal S. Democracy Works: Health System Reform and Future of Community Healthcare. Interview, PBS Channel 13 (NY/NJ/CA) and cable channels, October 2009.
14. Crystal S. Healthcare Reform: Can We Get It Done? Interview, One on One with Steve Adubato, New Jersey Network, April 2009.
15. Crystal S. Medication Use and Quality of Care in Nursing Homes. Invited briefing for staff of House Energy and Commerce Committee. Washington, D.C., May 21, 2008.
16. Crystal S. Healthcare Access: Challenges of Coverage and Costs. Panel Discussion, "Fresh Outlook," EBRU-TV, July 2008.
17. Crystal S. Improving Quality and Outcomes of Medication Use in Federally Funded Health Programs. Briefing for Congressman Rush Holt and invited guests. Rutgers University, April 2008.
18. Crystal S. Seniors Without Savings. Interview, Your Investments with Adam Bold on PBS, June 2008.
19. Questions and Answers on Mental Health and the Growing Elderly Population: Interview with Stephen Crystal. *New Jersey Monthly*, Best Doctors issue, November 2006.
20. Crystal S. Mental Health and the Elderly. Interview, One on One with Steve Adubato, Comcast Network and CSPAN, March 2006.
21. Crystal S. Use of Medicare Part D Prescription Drug Data for Outcomes Research and Evaluation: Legislative Issues. Briefing for Majority and Minority Legislative Staff, Senate Finance Committee, Washington, July 2005. Followup activities included assistance in drafting the Medicare Data Access and Research Act, introduced by Senators Grassley and Baucus in 2006, clarifying Congressional intent on research access to Medicare Part D data.
22. Crystal S. Disparities and What to Do About Them. Testimony Before Congressional Black Caucus of the U.S. Congress, Hearing on Elimination of Health Disparities: Bridging the Healthcare Divide, Newark, NJ, June 2004.

23. Crystal S. Data Needs and Regulatory Issues for Evaluating Impact of Medicare Prescription Drug Benefits. Testimony Presented Before State Pharmacy Assistance Transition Commission, Washington, July 2004.
24. Crystal S. Impact of Medicare Prescription Drug Legislation on State Pharmacy Assistance Programs. Testimony before the Pennsylvania Senate Aging and Youth Committee (respondent to testimony from Tom Scully, Administrator, Centers for Medicare and Medicaid Services). Harrisburg, PA, August 2003.
25. Crystal S. State Pharmacy Assistance Programs and Their Implications for a Medicare Prescription Drug Benefit. Testimony before the United States Senate Finance Committee, April 24, 2001. [www.senate.gov/~finance/042401sc1test.pdf](http://www.senate.gov/~finance/042401sc1test.pdf), accessed 3/3/06. Adviser to Senate committee staffs on prescription drug legislation.
26. Crystal S. Access to Prescription Drugs by the Elderly and State Policy. Testimony before Committee on Health, New Jersey Senate, May 2000.
27. Crystal S. Coping with Aging Parents. Series of 6 articles, Health section, *Newark Star-Ledger*, 1999.
28. Crystal S. Prescription Drugs and the Elderly. Op-ed, *Newark Star-Ledger*, July 19, 2000.

### **SELECTED ABSTRACTS AND CONFERENCE PRESENTATIONS**

1. Crystal S, Organizer/Chair. Research Panel on Measuring the Effectiveness of State Antipsychotic Oversight for Children in Foster Care and Other Publicly Funded Children. Presented at AcademyHealth Annual Research Meeting, Washington, June 2019.
2. Crystal S, Hermida R, Vittinghoff E, Walkup J, Riano N, Mangurian C. HIV Testing Rates among Medicaid Recipients with Schizophrenia: A National Cohort Study. Poster presented at Annual Meeting of the American Psychiatric Association, San Francisco, May 2018.
3. Borowsky H, Riano N, Elser A, Olsson M, Walkup J, Vittinghoff E, Crystal S, Mangurian C. HIV Testing and Counseling at US Substance Use Treatment Facilities Serving People with Comorbid Mental Illness: An Opportunity for Care Integration. Poster presented at Annual Meeting of the American Psychiatric Association, San Francisco, May 2018.
4. Mackie T, Kovacs K, Simmel C, Crystal S, Neese-Todd S, Akincigil A. A Best Worst Scaling Choice Experiment to Prioritize Stakeholder Preferences among Claims-Based Metrics for Antipsychotic Monitoring Programs. Paper presented at ARM Research Panel on State Antipsychotic Oversight, Washington, June 2019.
5. Crystal S, Mackie T, Akincigil A, Cook S, Hermida R, Neese-Todd S. Improving Patient Safety in Pediatric Antipsychotic Use: Impact of State Initiatives to Increase Metabolic Monitoring of Antipsychotic-Treated Children. Paper presented at ARM Research Panel on State Antipsychotic Oversight, Washington, June 2019.
6. Akincigil A, Mackie T, Simmel C, Crystal S. Effectiveness of Peer Review and Prior Authorization: Synthetic Control Method Applied to Antipsychotic Prescriptions for Children and Adolescents. Paper presented at ARM Research Panel on State Antipsychotic Oversight, Washington, June 2019.

7. Crystal S. Update on Antipsychotic Use in Medicaid Children: Beyond the MMDLN/CERTs Sixteen State Project. Medicaid Medical Directors Network Spring Meeting, Washington, May 2, 2019.
8. Crystal S, Jarrin O, Rosenthal M, Angell B, Bilder S, Neese-Todd S, Hermida R. National and State-Level Reduction in Nursing Home Antipsychotic Use: Mixed-Methods Perspective on the Drivers of Change. Paper presented at AcademyHealth Annual Research Meeting (ARM), Seattle, June 2018.
9. Crystal S. The Opioid Epidemic in New Jersey: Health Services and Health Policy Strategies. Presented at Rutgers RBHS Symposium on the Opioid Epidemic, November 27, 2018.
10. Mackie T, Leslie L, Rojas E, Crystal S. A National Examination of Informed Consent Processes for Psychotropic Medication Use among Youth in Foster Care: A Typology of Approaches to Informed Consent and Implications for Policy and Practice. Presented at American Academy of Pediatrics Annual Meeting, Orlando, November 2-6, 2018. Winner, Best Abstract Award, from National Council on Foster Care, Adoption, and Kinship Care.
11. Crystal S, Jarrin O, Angell B, Hermida R, Rosenthal M. Progress toward Safer Management of Behavioral Symptoms of Dementia: What are the Levers of Change? Paper presented at Annual Meeting of the Gerontological Society of America, Boston, November 15, 2018.
12. Gordon KS, Tate J, Manhapra A, Edelman EJ, Crystal S, Fiellin D, Kerns R, Justice AC, Becker WC. All-Cause Mortality, Unnatural Death and Fatal Overdose among Individuals Initiating Long-Term Opioid Therapy. Presented at Society for Epidemiologic Research, Baltimore, June 19-22, 2018.
13. Samples H, Williams AR, Neese-Todd S, Olfson M, Crystal S. Risk Factors for Premature Discontinuation of Buprenorphine for Opioid Use Disorder Among Medicaid Beneficiaries. Presented at College on Problems of Drug Dependence annual meeting, San Diego, June 13, 2018.
14. Crystal S, Neese-Todd S, Akincigil A. Antipsychotic Use Trends in U.S. Nursing Homes and Impact of Improvement Campaigns. Paper presented at 21<sup>st</sup> International Association of Gerontology and Geriatrics World Congress, San Francisco, July 24, 2017.
15. Crystal S, Shea D, Reyes A. Globalization, Cumulative Advantage, and Inequality: Implications for Retirement Income Systems. Paper presented at Symposium on Cumulative Advantage and Economic Well-Being: Challenges of Widening Late-Life Inequality (Chair, Christine Bishop; Co-Chair, Stephen Crystal), IAGG 21<sup>st</sup> World Congress of Gerontology and Geriatrics, San Francisco, July 24, 2016.
16. Rosenthal M, Angell B, Crystal S, Poling J, Connolly E, Wec A. Improving Patient Safety in Nursing Home Dementia Care: Qualitative Study of Nursing Home Staff and Physicians. Paper presented at IAGG World Congress of Gerontology and Geriatrics, San Francisco, July 23, 2017.
17. Mackie TI, Kovacs K, Rojas E, Akincigil A, Simmel C, Neese-Todd S, Crystal S. Eliciting Stakeholder Preferences in Outcomes Measurement: An Application of Best-Worst Scaling to Prioritize Outcomes in Comparative Effectiveness Research. Poster presentation at AcademyHealth Annual Research Meeting (ARM), Seattle WA, June 2018.

18. Akincigil A, Mackie T, Cook S, Crystal S. Customized Statewide Medicaid Managed Care Program Improves Safe and Judicious Use of Antipsychotic Medications for Children in Foster Care. Poster presentation at AcademyHealth Annual Research Meeting (ARM), Seattle WA, June 2018.
19. Rentsch C, Edelman J, Justice A, Marshall B, Kranzler H, Xu K, Crystal S, Gaither J, Gordon A, Fiellin D, Tate J, Becker W. Validating Electronic Health Record (EHR) Based Prescription Opioid Phenotypes for Genetic Discovery. Paper presented at College on Problems of Drug Dependence Annual Meeting, San Diego, June 11, 2018.
20. Heaps-Woodruff J, Morrato E, Crystal S, Neese-Todd S. Metabolic Screening in a Medicaid Population Receiving Antipsychotic Medications: Impact of Targeted Population Health Management. Poster presentation at AcademyHealth Annual Research Meeting (ARM), Seattle WA, June 2018.
21. Akincigil A, Heaps-Woodruff J, Olfson M, Amin S, Neese-Todd S, Crystal S. Impact of a CMHC-Based Health Home Model on Adherence to Psychotropic Medications for Medicaid Beneficiaries Living with Severe Mental Illness. Paper presented at Society for Social Work and Research, New Orleans, January 11-15, 2017.
22. Crystal S, Hermida R, Bilder S, Jarrin O. Changing Patterns of Antipsychotic and Sedative-Hypnotic Use in US Nursing Homes: Is There a Substitution Effect? Presented at 33<sup>rd</sup> International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Montreal, August 28. 2017.
23. Crystal S, Jarrin O, Neese-Todd S, Akincigil A, Hermida R. Reducing Antipsychotic Use in Nursing Home Residents with Dementia: Progress and Challenges. Paper presented at IAGG World Congress of Gerontology and Geriatrics, San Francisco, July 23, 2017.
24. Raman S, Man K, Bahmanyar S, Bilder S, Bushnell G, Crystal S, Karlstad O, Kubota K, Lai E, Martikainen J, Maura G, Montero D, Pottgard A, Pratt N, Roughead E, Sturmer T, Su C, Zoega H, Sturkenboom M, Wong I, Yang Y. Utilization of Attention Deficit Disorder Medications (ADHD) by Adults in 13 Countries. Presented at 33<sup>rd</sup> International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Montreal, August 28. 2017.
25. Crystal S. Antipsychotic Treatment Among Foster Care And Other U.S. Children: Turning the Tide? Presented at Health Affairs Briefing, *Behavioral Health in an Era of Reform*, National Press Club, Washington, DC, June 7, 2016.
26. Oldfield BJ, McGinnis K, Akgun K, Crystal S, Fiellin L, Gaither J, Gordon A, Goulet J, Korthuis PT, Marshall B, Williams E, Justice A, Fiellin DA, Edelman EJ, Kraemer KL. Predictors of Initiation of and Retention on Pharmacotherapy for Alcohol Use Disorder in a Large U.S. Cohort of Persons Living With and Without HIV. Accepted for presentation at Society of General Internal Medicine Annual Meeting, April 2018.
27. Brandon DL Marshall, Geetanjoli Banerjee, Joyce Chang, William C. Becker, Declan Barry, Jennifer Brennan Braden, Stephen Crystal, Adam Gordon, Kirsha Gordon, Robert D. Kerns, Jessica Merlin, Benjamin J. Oldfield, Lesley S. Park, Christopher Rentsch, Melissa Skanderson, Janet P. Tate, Amy C. Justice, David A. Fiellin, and E. Jennifer Edelman. Trajectories Of Non-Medical Use Of Prescription Opioids Among People Living With HIV. Society of General Internal Medicine Annual Meeting, Denver, Colorado. April 13, 2018.

28. Desir F, Lesko C, Moore R, Silverberg M, Rebeiro P, Horberg M, Kitahata M, Crystal S, Mayor A, Klein M, Justice A, Gill M, Althoff K. Age-Dependent Racial/Ethnic Disparities In Longitudinal HIV Care Indicators. Accepted for presentation, 2018 Conference on Retroviruses and Opportunistic Infections (CROI), Boston, March 4-7, 2018.
29. Crystal S, Shea D, Reyes M. Cumulative Advantage and Evolving Patterns of Late-Life Inequality in the 21st Century. Paper presented at Symposium on Widening Economic Inequality, Cumulative Advantage and Late-Life Outcomes: Trends and Policy Option (Christine Bishop, Chair; Stephen Crystal, Co-Chair), Annual Meeting of the Gerontological Society of America, New Orleans, November 2016.
30. Crystal S, Heaps J, Neese-Todd S, Parks J. Impact of Health Homes Models for Persons with Mental Health Conditions Receiving Care in Community Mental Health Center or Primary Care Settings. Symposium presented at NIMH Annual Mental Health Services Research Conference, August 3, 2016.
31. Fenton M, Olfson M, Heaps J, Williams AR, Neese-Todd S, Crystal S. Buprenorphine Use Among Adult Medicaid Beneficiaries with Opioid Dependence. Submitted for presentation at the AcademyHealth Annual Research Meeting, New Orleans, June 2017.
32. Jarrin O, Crystal S, Bilder S, Hermida R. Impact of National Campaign to Reduce Antipsychotic Medication Use in Nursing Homes. Presented at the AcademyHealth Annual Research Meeting, New Orleans, June 2017.
33. Crystal S, Olfson M, Gerhard T, Stroup S, Huang C, Olfson M. Premature Mortality in Schizophrenia and Its Implications for Medical Management and Care Integration. Presented at NIMH Annual Mental Health Services Research Conference, August 3, 2016.
34. Adams JW, Bryant KJ, Crystal S, Gordon K, Kraemer K, Tate J, van den Berg J, Justice A, Marshall B. Association of Cannabis, Stimulant, and Alcohol Use with Mortality Prognosis Among HIV-Infected Men. Presented at Society for Epidemiological Research Annual Meeting, June 2017.
35. Rentsch C, Tate J, Steel T, Gibert C, Huang L, Pisani M, Soo Hoo G, Crystal S, Justice A, Fiellin D, Crothers K, Akgun K. Hepatitis C (HCV) has Become a Major Driver of Medical Intensive Care Unit (MICU) Admission among Patients with HIV. Accepted for presentation, 21st International Workshop on HIV and Hepatitis Observational Databases, Lisbon, March 30-April 1, 2017.
36. Crystal S, Mackie T, Fenton M, Amin S, Neese-Todd S, Olfson M, Bilder S. Diagnostic Patterns Among Privately-Insured and Medicaid-Covered U.S. Youth Treated with Antipsychotic Medications. Paper presented at NIMH Annual Mental Health Services Research Conference, August 3, 2016.

37. Crystal S, Bilder S, Simmel C, Fenton M. Increasing Mental Health Diagnosing and Treatment Among U.S. Medicaid Youth, 2001-2010. Presented at Annual Meeting of the International Society for Pharmacoepidemiology, Dublin, August 2016.
38. Rentsch C, Tate JP, Steel T, Butt AA, Gibert CL, Huang L, Pisani M, Soo Hoo GW, Crystal S, Rimland D, Justice AC, Crothers KA, Akgun KM. Medical Intensive Care Unit (MICU) Admission Rates by HIV Serostatus And Alcohol-Related Diagnosis in The Combination Antiretroviral Era. Presented at American Thoracic Society, ATS 2017, Washington, D.C., May 24, 2017. Abstract in American Journal of Respiratory and Critical Care Medicine 195:A7147, 2017.
39. Gerhard T, Stroup TS, Correll C, Strom B, Huang C, Tan Z, Crystal S, Olfson M. Mortality Risk of Second-Generation Augmentation for Adult Depression. Presented at Annual Meeting of the International Society for Pharmacoepidemiology, Dublin, August 2016.
40. Gerhart T, Stroup TS, Correll C, Huang C, Tan Z, Crystal S, Olfson M. Antipsychotic Medication Treatment of New Depressive Episodes in the U.S. Medicaid Population. Presented at Annual Meeting of the International Society for Pharmacoepidemiology, Dublin, August 2016.
41. Akincigil A, Heaps-Woodruff J, Olfson M, Amin S, Neese-Todd S, Crystal S. Impact of a CMHC-Based Health Home Model on Adherence to Psychotropic Medications for Medicaid Beneficiaries Living with Severe Mental Illness. Paper presented at NIMH Annual Mental Health Services Research Conference, August 3, 2016.
42. Gerhard T, Stroup T, Correll C, Huang C, Tan Z, Crystal S, Olfson M. Utilization of Antipsychotic Medications in the Treatment of New Depressive Episodes in the National Medicaid Population. *Clinical Pharmacology & Therapeutics*. 99: S75, 2016.
43. Crystal S. Treatment and System of Care Update: Safety, Appropriateness, Quality, and Disproportionality Issues in Psychotropic Medication Use for Foster Youth. Keynote for Los Angeles County conference on mental health treatment for foster youth, LA Care in Partnership with the County of Los Angeles, Office of Child Protection. Los Angeles, December 14, 2015.
44. Crystal S, Bonner A, Bilder S, Fenton M, Neese-Todd S, Akincigil A, Biondolillo M, Angell B. Reducing Antipsychotic Use Among Nursing Home Residents: Progress and Challenges. Presentation at Annual Meeting of the Gerontological Society of America, Orlando, November 21, 2015.
45. Crystal S. (Organizer/Chair). Impact of a Statewide Health Home Model for Persons with Mental Health Conditions Receiving Care in a Community Mental Health Center or Primary Care Setting. Symposium presented at NIMH Annual Mental Health Services Research Conference, August 2016.
46. Parks J, Neese-Todd S, Leung K, Crystal S. Impact of a Statewide CMHC Based Health Home Model on Cardiometabolic Screening for Persons with Severe Mental Illness. Presented at NIMH Annual Mental Health Services Research Conference, August 2016.
47. Heaps J, Parks J, Leung K, Crystal S, Neese-Todd S. Impact of a Statewide Primary Care Based Health Home Model on ER Utilization Among Enrollees with a Mental Health Condition. Presented at NIMH Annual Mental Health Services Research Conference, August 2016.

48. Adams JW, Justice AC, Van der Berg JJ, Crystal S, Gordon KM, Goulet JL, Kraemer KL, Mimiaga M, Tate JP, Marshall BDL. Association of Cannabis and Stimulant Use with Mortality Prognosis Among HIV+ Men. Submitted for Conference on Retroviruses and Opportunistic Infections, 2017.
49. McClintic H, Freiberg M, Crystal S, Leaf D, Womack J, Nieves-Lugo K, Tate J, Crothers K, Justice A, Oursler K. Physical Function and Inflammation in Older HIV-Infected Men. Accepted for presentation at Conference on Retroviruses and Opportunistic Infections, Seattle, 2017.
50. Lu-Yao G, Lin Y, Moore D, Graff J, Stroup A, McGuigan K, Crystal S, Amin S, Demissie K, DiPaola R. Combination Statin/Metformin and Prostate Cancer Specific Mortality: A Population-Based Study. Abstract, *Journal of Clinical Oncology* 33(15S): 5018, 2015.
51. Gaither JR, Goulet JL, Becker WC, Crystal S, Edelman EJ, Gordon K, Kerns RD, Rimland D, Skanderson M, Justice AC, Fiellin DA. The Effect of Substance Use Disorders on the Association Between Guideline-Concordant Long-term Opioid Therapy and All-cause Mortality. Poster presentation at the College on Problems on Drug Dependence National Annual Meeting. June 15, 2016. Palm Springs, CA.
52. Crystal S. Psychotropic Medication Use and Oversight for Foster Care and Other Medicaid Children -- Quality Improvement Challenges and Opportunities. Presentation for Los Angeles County Behavioral Health Stakeholders, Los Angeles, April 23, 2015.
53. Crystal S, Olfson M, Wang S, Blanco C. Increasing Benzodiazepine Use in the US: Trends by Diagnosis, Age, Provider Type, and Co-Prescribed Medication. Paper presented at 31st International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Boston, August 2015.
54. Gerhard T, Stroup TS, Huang C, Crystal S, Olfson M. Comparative Effectiveness and Safety of Clozapine versus Standard Antipsychotic Treatment in Adults with Treatment-Resistant Schizophrenia. Podium presentation, 31st International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Boston, August 2015.
55. Bensley KM, McGinnis KA, Fiellin D, Justice A, Gordon A, Kraemer K, Bryant K, Edelman E, Crystal S, Gaither J, Korthuis T, Marshall B, Ornelas I, Williams E. The Association between Alcohol Use and Mortality among Black, Hispanic, and White Males Living with HIV. Submitted to AIDS 2016.
56. Dannefer D, Crystal S (co-organizers/co-chairs). Cumulative Dis/Advantage across Time, Place and Social Location: Comparative Approaches to Life-Course Inequality. Symposium presented at Annual Meeting of the Gerontological Society of America, Washington, November 2014.
57. Crystal S, Shea D, Reyes A. How Unequal Can We Get? The Past, Present, and Future of Cumulative Advantage. Paper presented at Cumulative Dis/Advantage symposium at Annual Meeting of the Gerontological Society of America, Washington, November 2014.
58. Crystal S, Neese-Todd S, Cantor J, Gilmer T. Going to Scale: Dissemination and Implementation of Evidence-Based Practices Across Large Publicly-Funded Health Care

Systems – Initiatives Targeting System-Level Change. *Implementation Science* 2015;10(Suppl 1):A31. From NIH 7<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation, December 8-9, 2014.  
<http://www.implementationscience.com/content/10/S1/A31>

59. Neese-Todd S, Crystal S. Meaningful Antipsychotic Metrics for State Medicaid Programs: Strategies for Sustainable Change and Quality Mental Health Care. Paper presented at National Institutes for Health 7<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation, December 8-9, 2014.
60. Crystal S. Improving Dementia Management and Reducing Antipsychotic Reliance in Nursing Homes: National Initiatives and the Regulatory Role. Keynote presentation, Texas Department of Aging and Disability Services, All Regulatory Staff Conference, Round Rock, TX, August 2014.
61. Crystal S. Antipsychotic Use Among Nursing Home Residents with Dementia: New Initiatives, Continuing Challenges. Paper presented at Annual Meeting of the Gerontological Society of America, New Orleans, November 2013.
62. Crystal S, Akincigil A, Kalay E, Zurlo K. Increasing Income/Health Disparity Among U.S. Elderly, 1992-2007: Evidence from the MCBS. Paper presented at Annual Meeting of the Gerontological Society of America, New Orleans, November 2013.
63. Crystal S, Shea D. Cumulative Advantage in an Age of Increased Inequality: Implications for Entitlement Reform. Paper presented at Symposium on Age and Cumulative Dis/Advantage: New Issues, New Questions, New Findings (Dannefer D and Crystal S, co-organizers/co-chairs), Annual Meeting of the Gerontological Society of America, New Orleans, November 2013.
64. Gerhard T, Bobo W, Olfson M, Correll C, Huang C, Crystal S. Second Generation Antipsychotics and Risk of Type 2 Diabetes in Publicly Insured Children and Adolescents. Paper scheduled for presentation at Annual Meeting of the International Society for Pharmacoepidemiology, Taipei, October 2014.
65. Banerjee G, Edelman EJ, Barry DT, Becker W, Cerda M, Crystal S, Gaither JR, Gordon AJ, Gordon K, Kerns R, Martins S, Fiellin DA, Marshall DL. Non-Medical Use of Prescribed Opioids is Associated with Heroin Initiation Among US Veterans: A Prospective Cohort Study. Paper accepted for presentation at 48<sup>th</sup> Annual Meeting of the Society of Epidemiologic Research, Denver, June 16-19th, 2015.
66. Neese-Todd S, Crystal S. Meaningful Antipsychotic Metrics for State Medicaid Programs. Presented at AcademyHealth Annual Research Meeting, Minneapolis, June 2015.
67. Lu-Yao G, Lin Y, Moore D, Graff J, Stroup A, McGuigan K, Crystal S, Amin S, Strom B, Demissie K, DiPaola RS. Combination Statin/Metformin and Prostate Cancer Specific Mortality—A Population-Based Study. Submitted for American Society of Clinical Oncology Annual Meeting, May-June 2015.
68. Gerhard T, Devanand D, Huang C, Crystal S, Olfson M. Lithium Treatment and Risk for Dementia Among Patients With Bipolar Disorder. Paper presented at Annual Meeting of the International Society for Pharmacoepidemiology, Taipei, October 2014.

69. Gaither J, Goulet J, Becker W, Crystal S, Edelman E, Gordon K, Kerns R, Rimland D, Skanderson M, Justice A, Fiellin D. Mortality and Guideline-Consistent Long-Term Opioid Therapy for Pain. Paper accepted for presentation at International Narcotics Research Conference/College on Problems of Drug Dependence Annual Meeting, Phoenix, June 2015.
70. Slight S, Berner E, Galanter B, Huff S, Lambert B, Lannon C, Lehmann C, McCourt B, McNamara M, Manachemi N, Payne T, Spooner S, Schiff G, Wang T, Akincigil A, Crystal S, Fortmann S. Are Meaningful Use Requirements Really Meaningful for Medication Use? Experiences from the Field and Future Opportunities. Paper accepted for presentation at Annual Meeting of the American Medical Informatics Association, San Francisco, November 2015.
71. Park Y, Franklin J, Schneeweiss S, Levin R, Crystal S, Gerhard T, Huybrechts K. Antipsychotics and Mortality: Adjusting for Mortality Risk Scores to Address Confounding by Terminal Illness. Presented at Annual Meeting of the International Society for Pharmacoepidemiology, Taipei, October 2014.
72. Banerjee G, Marshall B, Crystal S, Gaither J, Becker W, Justice A. Non-Medical Use of Prescription Opioids Predicts First-Time Heroin Initiation Among US Veterans: A Prospective Cohort Study. Presented at International Narcotics Research Conference/College on Problems of Drug Dependence Annual Meeting, Phoenix, June 2015.
73. Crystal S, Neese Todd S. Top Down and Bottom Up -- System-Level Interventions to Improve Medication Adherence in SMI, Using Measurement Strategies, QI Collaboratives And Shared Decision Making. Presented at AHRQ CERTs Conference, *Promoting Appropriate Medication Use: A Collaborative Strategy*. Rockville, March 13, 2014.
74. Nieves-Lugo K, Rio-Gonzalez AM, Oursler KK, Leaf D, Tindle H, Fiellin D, Akgun K, Crothers K, Freiberg M, Tate J, Bryant K, Crystal S, Womack J, Zea MC. The Association of Smoking Status and Race with Physical Function in HIV-Infected and Uninfected Patients in the Veterans Aging Cohort Study. Paper accepted for presentation at National Hispanic Science Network Fifteenth Annual International Conference, San Antonio, June 2015.
75. Crystal S. Understanding and Improving the Quality of Psychotropic Management and Mental Health Services for Foster Youth: Metric-Driven State QI Strategies. Presented at Children's Bureau/ACYF State Summit Conference, *Because Minds Matter: Collaborating to Strengthen Management of Psychotropic Medications for Children and Youth in Foster Care*. August 27-28, 2012 – Washington, D.C.
76. Crystal S. Management and Monitoring of Psychotropic Use in Youth. Presented on Administration on Children, Youth and Families Webinar for state leaders on Psychotropic Use in Foster Care Youth, February 13, 2012.
77. Nieves-Lugo K, Brown T, Butt A, Crystal S, Crothers K, Freiberg M, Hoffman H, Justice A, Oursler K, Rodriguez-Barradas M, Sorkin J, Tate J, Womack J, Zea MC. Effect of chronic pulmonary lung disease on the decline in physical function in HIV infected and uninfected veterans in the Veterans Aging Cohort Study. Submitted for Fifth International Conference on HIV and Aging, 2014.

78. Weisberg DF, Gordon K, Barry DT, Becker WC, Crystal S, Edelman EJ, Gaither J, Gordon AJ, Goulet AJ, Kerns R, Moore BA, Tate J, Justice AC, Fiellin DA. Association of Long-Term Opioid and/or Benzodiazepine Receipt and Medication Count with Mortality Among HIV-Infected and Uninfected Patients. Presented at Annual Meeting of the Society for General Internal Medicine, San Diego, April 2014.
79. Zurlo K, Akincigil A, Crystal S. The Economic Burden of Diabetes and Depression among Community-Dwelling Elderly. Paper presented at Annual Meeting of the Gerontological Society of America, New Orleans, November 2013.
80. Winterstein AG, Delaney JA, Kubilis P, Crystal S, Gerhard T. Inclusion of variables associated with exposure but not outcome can compromise propensity score-based adjustments – Examination of a real-life example in pediatric psychopharmacology. 29th International Conference of Pharmacoepidemiology, Aug 23-28, Montreal, Canada. *Pharmacoepi Drug Saf* 2013;22:(Suppl.1):232.
81. Kalay E, Akincigil A, Crystal S. The Impact of Prescription Drug Coverage on Medication Use for Depression among the Elderly: Evidence from a Nationally Representative Survey. Poster accepted for presentation at Annual Meeting of the Gerontological Society of America, New Orleans, November 2013.
82. Crystal S. Addressing Challenges in Implementing Quality Metrics and Incorporating Evidence-Based Quality Improvement Practices in State Medicaid and Mental Health Programs. Presentation for session on Overcoming Practical Challenges in Spreading Evidence-Based Practices for Delivery System Improvement, AHRQ Annual Meeting, September 2012.
83. Crystal S. Implementing Metric-Based Continuous Quality Improvement Initiatives for Safe, Effective, and Appropriate Psychotropic Use for Medicaid Beneficiaries. Invited presentation for session on The Future of Medicaid Drug Policy, Annual Meeting of the National Association of Medicaid Directors, October 2012.
84. Crystal S. Decreasing Inappropriate Use of Antipsychotic Medications in Nursing Homes. Webinar for state leaders on appropriate use of medications in nursing homes, February 2013.
85. Akgun KM, Tate JP, Crystal S, Womack J, Brown T, Leaf D, Crothers K, Justice A, Oursler K. Does Frailty-Related Phenotype Add to the VACS Index in Predicting Mortality? Submitted to Conference on Retroviruses and Opportunistic Infections, Boston, March 2014.
86. Akgun KM, Tate J, Crothers K, Womack J, Brown T, Leaf D, Crystal S, Justice A, Oursler K. Do Factors Associated with Frailty Phenotype Vary by HIV Status? Submitted to Conference on Retroviruses and Opportunistic Infections, Boston, March 2014.
87. Becker WC, Gordon K, Edelman EJ, Kerns RD, Crystal S, Dziura JD, Fiellin LE, Gordon AJ, Goulet JL, Justice AC, Fiellin DA. Trends and Correlates of Opioid Analgesic Receipt among Veterans with and without HIV. Presented at Annual Meeting of the Society for General Internal Medicine, April, 2013.

88. Gaither J, Goulet J, Becker W, Crystal S, Edelman E, Gordon K, Kerns R, Skanderson M, Weisberg D, Justice A, Bryant K. Receipt of Guideline-Concordant Opioid Therapy for Patient With and Without Unhealthy Alcohol Use. Presented at annual meeting of the Research Society on Alcoholism, 2014.
89. Gaither J, Edelman E, Crystal S, Goulet J, Becker W, Gordon K, Fiellin D, Skanderson M, Weisberg D, Justice A. Receipt of Opioid Guideline-Concordant Care Among HIV-Infected and Uninfected Veterans. Presented at New England Society of General Internal Medicine meeting, Boston, March 2014.
90. Crystal S, Neese-Todd S. Sink or Swim: Addressing the Challenges of Safe and Effective Psychotropic Use and Improved Care Processes Through Metric-Driven Continuous Quality Improvement. Presented at Changing Tides in the Behavioral Health System: Fall Meeting of the New Jersey Association of Mental Health and Addictions Agencies, Hamilton, NJ, October 11, 2012.
91. Gordon K, Edelman EJ, Justice AC, Goulet JL, Crystal S, Rimland D, Korthuis PT, Duggal M, Akgun K, Bryant KJ. Alcohol Use and Sexual Risk Behaviors Among Minority Men Who Have Sex with Men with and without HIV. Presented at annual meeting of the Research Society on Alcoholism, Orlando, 2013.
92. Finnerty M, Kealey E, Klima J, Leckman-Westin E, Kelleher K, Olfson M, Bilder S, Crystal S, Neese-Todd S, Groseclose C, Byron S, Scholle S. Development of a Suite of Antipsychotic Measures for Youth in Medicaid and in Foster Care. Presented at AcademyHealth Annual Research Meeting, Baltimore, June 2013.
93. Rentsch C, Tate J, Akgun K, Crystal S, Wang K, Greysen R, Justice A, Rimland D. Hospitalization rates among HIV-infected and uninfected Veterans from 1997 to 2009. Paper presented at 18<sup>th</sup> International Workshop on HIV Observational Databases, March 2014.
94. Edelman EJ, Gordon KS, Hogben M, Crystal S, Bryant K, Justice AC, Fiellin DA. Partner Notification Practices Among HIV-Infected Men. Presented at Annual Meeting of the Society for General Internal Medicine, April, 2013.
95. Crystal S. Getting Practical: Developing Your State Plan for Psychotropic Medication Management. Presented on Administration for Children, Youth and Families Webinar on implementing state quality improvement plans, April 24, 2012.
96. Gordon K, Edelman EJ, Justice AJ, Crystal S, Rimland D, Korthuis PT, Day M, Duggal M, Akgun K, Bryant KJ, Fiellin DA. Sexual Risk Behaviors Among Minority Men With and Without HIV who Have Sex with Men. Presented at Second International Conference on Prevention and Infection Control (ICPIC), Geneva, June 2013.
97. Crystal S. Studying the Effectiveness of Service Delivery Systems Innovations in Mental Health: Challenges and Outcomes. Presented at AHRQ Annual Meeting, Bethesda, October 2011.
98. Huybrechts K, Gerhard T, Crystal S, Olfson M, Levin R, Lucas J, Schneeweiss S. Potential Causes of Higher Mortality in Medicaid-Eligible Nursing Home Residents Initiated on Conventional and Atypical Antipsychotic Medications. Paper presented at the Annual Meeting of the International Society for Pharmacoepidemiology, Chicago, August 2011.

99. Gerhard T, Huybrechts K, Schneeweiss S, Olfson M, Huang C, Malka E, Crystal S. Comparative Safety of Individual Antipsychotic Medications in Non-Institutionalized Elderly. Paper presented at the Annual Meeting of the International Society for Pharmacoepidemiology, Chicago, August 2011.
100. Crystal S, Gerhard T, Huang C, Olfson M. Broadened Use of Atypical Antipsychotics: Trends and Challenges for Policymakers, Clinicians, and Patients. Presented at NIH-sponsored Conference on Adipogenic and Metabolic Effects of Antipsychotic Drugs, Newark, July 12, 2011.
101. Gerhard T, Crystal S, Huang C, Olfson M. Use of Antipsychotic Medications Among Privately and Publicly Insured Youth: Implications for Management of Maladaptive Aggression. Presented at NCDEU, Boca Raton, June 2011.
102. Lucas J, Chakravarty S, Bowblis J, Gerhard T, Kalay E, Siegel M, Crystal S. Antipsychotic Initiation and Long-Term Use Following Long-Term Care Admission. Paper presented at Annual Meeting of the Gerontological Society, Boston, November 2011.
103. Oursler K, Tate J, Gill T, Crothers K, Brown T, Crystal S, Womack J, Leaf D, Sorkin J, Justice A. Comorbidity is Predictive of Muscle Strength in HIV-Infected Veterans: Results from the VACS Index. Presented at 19<sup>th</sup> Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, March 2012.
104. Akincigil A, Olfson M, Siegel M, Zurlo K, Walkup J, Crystal S. Racial and Ethnic Disparities in Depression Care in Community-Dwelling Elderly in the United States. Submitted for Society for Social Work and Research Annual Conference, 2012.
105. Gordon KS, Edelman EJ, Justice AC, Fiellin DA, Crystal S, Rimland D, Korthuis T, Day N, Duggal M, Akgun K, Bryant KJ. Association of Multi-Substance Use and Sexual Risk Behaviors Among HIV-Infected Men. Submitted for International AIDS Conference, Washington, July 2012.
106. Gerhard T, Akincigil A, Foglio N, Crystal S, Olfson M. National Trends in Antipsychotic Medication Use for Non-Psychotic Depression. Submitted for 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Barcelona, 2012.
107. Gerhard T, Bobo W, Olfson M, Crystal S. Second Generation Antipsychotics and Risk of Type 2 Diabetes in Publicly Insured Children and Adolescents. Submitted for 20th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society for Pharmacoepidemiology, Barcelona, 2012.
108. Crystal S, Olfson M, Huang C, Gerhard T, Townsend L. Antipsychotic Use in Medicaid and Privately Insured Children: Challenges for Policymakers, Clinicians and Patients. Presented at Annual Research Meeting of AcademyHealth, Boston, 2010.
109. Gerhard T, Bobo WV, Olfson M, Crystal S. Second Generation Antipsychotics and the Risk of Type 2 Diabetes in Publicly Insured Children and Adolescents. Presented at Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics (ASCPT), March 2012.

110. Crystal S, Gerhard T, Huang C, Olfson M. Use of Antipsychotic Medications in US Youth, 2001-2007. Paper presented at Annual Meeting of International Society for Pharmacoepidemiology, Brighton, England, August 2010. Abstract in Pharmacoepidemiology and Drug Safety.
111. Gerhard T, Malka E, Lucas J, Huybrechts K, Schneeweiss, Crystal S. Comparative Effectiveness of Antipsychotic Medications for the Treatment of Behavioral and Psychological Symptoms of Dementia. Paper presented at Annual Meeting of International Society for Pharmacoepidemiology, Brighton, England, August 2010.
112. Schneeweiss S, Huybrechts K, Gerhard T, Olfson M, Rassen JA, Levin R, Lucas J, Crystal S. Comparative Safety of Antipsychotic Medications in Elderly Medicaid-Eligible Nursing Home Patients. Poster presented at Annual Meeting of International Society for Pharmacoepidemiology, Brighton, England, August 2010.
113. Huybrechts K, Rothman K, Schneeweiss S, Silliman R, Crystal S, Brookhart A. Explained Variation in Antipsychotic Medication Prescribing in Patients Admitted to Nursing Homes. Paper presented at Annual Meeting of International Society for Pharmacoepidemiology, Brighton, England, August 2010; awarded first place for best student papers in methods category.
114. Lucas J, Crystal S, Gerhard T, Chakravarty S, Bowblis J, Kalay E. Patterns of Antipsychotic Medication Initiation in U.S. Nursing Homes. Paper presented at Annual Meeting of International Society for Pharmacoepidemiology, Brighton, England, August 2010.
115. Townsend L, Gerhard T, Huang C, Scotto Rosato N, Akincigil A, Crystal S. Psychotropic Prescription Rates and Psychiatric Diagnoses among a National Sample of Publicly Insured Foster Youth. Poster accepted for presentation at Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New York, October 2010.
116. Crystal S. Use of Antipsychotic Medications Among Privately and Publicly Insured Youth: Implications for Management of Maladaptive Aggression. Paper presented at CERTs Symposium on Evidence-Based Evaluation and Treatment of Youth with Maladaptive Aggression, Annual Meeting of the American Academy of Child and Adolescent Psychiatry, New York, October 2010.
117. Crystal S. Accelerating Use of Evidence-Based Mental Health Treatment Practices in Medicaid Programs. Presented at session on Redesigning Care Delivery: Demonstrations and Research on Mental Health System Change, AHRQ Annual Meeting, Bethesda, September 2010.
118. Huybrechts K, Gerhard T, Crystal S, Levin R, Schneeweiss S. Addressing Confounding in Comparative Safety Studies Involving Nursing Home Patients. Submitted for Annual Meeting of the International Society for Pharmacoepidemiology, Chicago, August 2011.
119. Huybrechts K, Gerhard T, Crystal S, Olfson M, Levin R, Lucas J, Schneeweiss S. Potential Causes of Higher Mortality in Medicaid-Eligible Nursing Home Residents Initiated on Conventional and Atypical Antipsychotic Medications. Submitted for Annual Meeting of the International Society for Pharmacoepidemiology, Chicago, August 2011.
120. Prince J, Walkup J, Akincigil A, Amin S, Crystal S. Risk for HIV Infection Among Medicaid Beneficiaries with Serious Mental Illness. Submitted for 16th Annual Meeting of the Society for Social Work and Research, Washington, January 2012.

121. Akincigil A, Walkup J, Huang C, Siegel M, Crystal S. Viral Load Monitoring During Antiretroviral Treatment Among Privately Insured Persons with HIV/AIDS in the U.S. Paper presented at Fifth International NIMH/IAPAC Conference on HIV Treatment Adherence, Miami, May 2010.
122. Crystal S. Using the Medicaid Analytic Extracts for Research on Pharmaceutical Use and Outcomes. Invited presentation, Centers for Medicare and Medicaid Services session on CMS Databases, Annual Meeting of AcademyHealth, June 2009.
123. Crystal S. Implementation of Evidence Based Practices in Medicaid Mental Health. Presented at session on Optimizing Care of Complex Patients at AHRQ Annual Meeting, Bethesda, September 2010.
124. Crystal S. Comparative Effectiveness: Where Are We and Where Are We Going? Invited plenary address, 15<sup>th</sup> Annual Meeting of the HMO Research Network, Danville, PA, April 28, 2009.
125. Crystal S, Gerhard T, Lucas J. Designs and Methods for Assessing Prescription Drug Exposures and Outcomes in the Frail Elderly. Presented at AHRQ Comparative Effectiveness Research Methods Symposium, Rockville, June 1, 2009.
126. Olfson M, Crystal S, Gerhard T, Huang C. Comparative Effectiveness of Antipsychotic Medications in Early Onset Schizophrenia. Presented at Centers for Medicare and Medicaid Services, CERTs CMS Day, Baltimore, June 3, 2009.
127. Lucas J, Chakravarty S, Bowblis J, Gerhard T, Kalay E, Crystal S. Guideline Consistency of Antipsychotic Medication Use Among Nursing Home Residents. Presented at Centers for Medicare and Medicaid Services, CERTs CMS Day, Baltimore, June 3, 2009.
128. Eldasher LM, Bilder S, Crystal S. Predictors of Atomoxetine Initiation in Medicaid Children and Youth Newly Diagnosed with Attention Deficit Hyperactivity Disorder. Poster presented at Annual Meeting of AcademyHealth, Boston, 2010.
129. Mattocks K, Cleary P, Gibert C, Fiellin D, Crystal S, Justice A. Mistrust and Endorsement of HIV Conspiracy Theories Among HIV-Infected African-American Veterans. Poster presented at Annual Meeting of AcademyHealth, Boston, 2010.
130. Akincigil A, Walkup J, Olfson M, Chakravarty S, Bilder S, Siegel M, Crystal S. Bipolar Medication Use and Adherence to Antiretroviral Therapy among Patients with HIV/AIDS and Bipolar Disorder. Paper presented at Fifth International NIMH/IAPAC Conference on HIV Treatment Adherence, Miami, May 2010.
131. Lucas JA, Chakravarty S, Bowblis JR, Gerhard T, Siegel M, Kalay E, Crystal S. Patterns of Antipsychotic Initiation in US Nursing Homes. Submitted for Gerontological Society of America Annual Meeting, New Orleans, November 6-10, 2010.
132. Bowblis J, Crystal S, Intrator O, Lucas J. The Impact of Regulation on the Rate of Antipsychotic Medication Use in Nursing Homes. Paper presented at 3<sup>rd</sup> Biennial Conference of the American Society of Health Economists, "Health, Healthcare and Behavior," Ithaca, NY, June 2010.

133. Siegel MJ, Lucas JA, Akincigil A, Gaboda D, Hoover D, Kalay E, Crystal S. Race, Education and the Treatment of Depression in Nursing Homes. Presented at Annual Meeting of the Eastern Economic Association, New York, February 2011.
134. Viggiano T, Lucas JA, Siegel M, Kalay E, Crystal S. Prevalence of Mental Health Service Use Among Depressed Elder Nursing Home Residents. Submitted for Gerontological Society of America Annual Meeting, New Orleans, November 6-10, 2010.
135. Walkup J, Akincigil A, Bilder S, Siegel M, Crystal S. Serious Mental Illness, HIV, Substance Abuse, and Antipsychotic Use. Paper accepted for presentation at Annual Meeting of the American Public Health Association, Denver, November 2010.
136. Waitzfelder B, Gerzoff R, Karter A, Crystal S, Bair M, et al. Correlates of Depression Among People with Diabetes: Findings from the Translating Research Into Action for Diabetes (TRIAD) Study. Presented at Annual Research Symposium, Hawaii Kaiser Permanente Medical Group, November 2010.
137. Crystal S. Assessing and Addressing Antipsychotic Utilization Among Medicaid Youth: A Researcher-State Policymaker Collaboration. Presented at Session on Collaboration Between Researchers and State Policymakers: A Model for Healthcare Improvement, AHRQ Annual Research Meeting, September 2009.
138. Crystal S. Kids, Antipsychotics, and Best Practices: A Progress Report from the Medicaid Medical Directors/CERTs Antipsychotics in Kids Project. Presented at fall meeting of the National Association of State Medicaid Directors, Washington, November 2008.
139. Crystal S. Using Data and Evidence to Drive State Medicaid Policy. Presentation at Annual Meeting of AcademyHealth, Washington, DC, June 2008.
140. Crystal S (organizer/presider/presenter). Medicare Challenges for a New Administration. Invited policy symposium, Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
141. Crystal S, Siegel M. Economic and Clinical Impact of Medicare Part D on Dual Eligible Beneficiaries. Paper presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
142. Crystal S. (organizer/chair/discussant). Medicare Part D and Pharmacotherapy Among the Elderly: What We Know and What We Need to Know. Plenary session, AHRQ CERTs 7<sup>th</sup> Annual Partnerships to Advance Therapeutics (PATHs) Meeting, Bethesda, September 10<sup>th</sup>, 2008.
143. Crystal S, Akincigil A, Siegel M. Depression Treatment Among the U.S. Elderly and the Role of Prescription Drug Coverage Quality. Paper presented at Annual Meeting of the American Public Health Association, San Diego, November 2008.
144. Crystal S, Akincigil A (presenter), Siegel M. Depression Treatment Predictors Among U.S. Elderly: Socioeconomic and Insurance Factors. Paper presented at XIV World Congress of Psychiatry, World Psychiatric Association, Prague, September 2008.

145. Crystal S. Partnerships to Address Antipsychotic Medications in Medicaid Programs: Addressing Clinical and Policy Challenges. Presented at Spring Meeting of the National Association of State Medicaid Directors, Oklahoma City, June 16, 2008.
146. Bowblis JR, Crystal S, Intrator O, Lucas J. The Impact of State Regulation on the Rate of Antipsychotic Drug Use in Nursing Homes. Presented at Annual Meeting of AcademyHealth, June 2009.
147. Crystal S, Lucas JA, Gerhard T, Kalay E. Use of Atypical Antipsychotic Medications Among Nursing Home Residents Without Psychosis: Challenges for Long-Term Care Stakeholders. Presented at Annual Meeting of the Gerontological Society, 2009.
148. Siegel M, Lucas JA, Kalay E, Crystal S. Racial and Ethnic Differences in Antipsychotic Use in Nursing Homes. Accepted for presentation, Annual Research Meeting of AcademyHealth, Chicago, 2009.
149. Gaboda D, Siegel M, Kalay E, Crystal S. Disparities in Diagnosis and Treatment of Depression in Elderly Long Stay Nursing Home Residents, 1999-2006. Accepted for presentation, Annual Research Meeting of AcademyHealth, Chicago, 2009.
150. Sigel K, Wisnivesky J, Justice A, Brown S, Rimland D, Butt A, Crystal S, Rodriguez-Barradas M, Crothers K. HIV Infection is an Independent Risk Factor for Lung Cancer. Paper presented at 17<sup>th</sup> Conference on Retroviruses and Opportunistic Infections (CROI), San Francisco, February 2010.
151. Siegel MJ, Lucas JA, Akincigil A, Kalay E, Crystal S. Racial Disparities in Antidepressant Use In Nursing Homes: The Role of Education. Presented at Annual Meeting of the Eastern Economic Association, New York, February 2009.
152. Crystal S, Gerhard T, Huang C, Olfson M. Off-Label Use of Antipsychotic Drugs in Privately and Publicly Insured Youth in the U.S. Paper presented at Annual Meeting of the International Society for Pharmacoepidemiology, Providence, August 2009. Abstract in *Pharmacoepidemiology and Drug Safety*, 2009; 18:S195-196.
153. Gerhard T, Winterstein A, Olfson M, Saidi A, Crystal S. Effects of Pre-Existing Cardiovascular Risk Factors on Initiation of Stimulants in Adults Newly Diagnosed with ADHD. Paper presented at Annual Meeting of the International Society for Pharmacoepidemiology, Providence, August 2009. Abstract in *Pharmacoepidemiology and Drug Safety*, 2009; 18:S202.
154. Crystal S. Changing NIH Review Processes and Funding Priorities: Implications for Researchers. Presented at Rutgers Panel on Research Funding, May 2009.
155. Olfson M, Crystal S, Gerhard T, Huang C, Carlson G. Mental Health Care Surrounding New Bipolar Diagnoses in Youth. Presented at CERTs Festschrift in Honor of Hugh Tilson, March 2009.
156. Lucas J, Bowblis J, Gerhard T, Chakravarty S, Crystal S. Antipsychotic Use Among Nursing Home Residents: Guideline Consistency. Poster presented at Annual Meeting of the International Society for Pharmacoepidemiology, Providence, August 2009. Winner, Second Place, Best Poster competition, ISPE Drug Utilization Studies Special Interest Group. Abstract in *PDS: Pharmacoepidemiology and Drug Safety* 18 (Supp. 1):S143, 2009.

157. Prince J, Walkup J, Crystal S, Amin S, Akincigil A. Predicting HIV/AIDS and Sexually Transmitted Disease in Persons with HIV/AIDS: Is Serious Mental Illness a Risk Factor in Medicaid Beneficiaries? Accepted for presentation, Annual Meeting of the American Public Health Association, Philadelphia, November 2009.
158. Bilder S, Walkup J, Akincigil A, Crystal S. Adherence to Antiretroviral Therapy in Persons with Bipolar Disorder. Paper presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2008.
159. Akincigil A, Walkup J, Bilder S, Huang C, Crystal S. ART Refill Persistence in a Large, Privately Insured U.S. Population. Paper presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2008.
160. Lucas J, Paek EK, Bowblis J, Crystal S. Testing a Resident Satisfaction Performance Report with Quality Improvement (QI) Education on Nursing Home QI Efforts and Quality Indicators. Poster presented at AcademyHealth Annual Research Meeting and Long-Term Care Colloquium, Washington, DC, June 7-10, 2008.
161. Lucas JA (organizer/presenter), Crystal S (co-organizer/presenter/discussant). Psychotropic Drug Use in the Elderly: Research Results and Policy Issues. Symposium presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
162. Crystal S, Siegel M. Health Benefit Sustainability for Elderly in Cross-National Perspective: Impact of Population Aging on National Healthcare Expenditure Burden. Presented at Economics of Aging Paper Session, Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
163. West JC, Wilk JE, Rae DS, Muszynski IL, Rubio-Stipec M, Alter CL, Sanders KE, Crystal S, Regier DA. Medication Access and Continuity Among Dual Eligible Psychiatric Patients in Medicare Part D. Paper presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
164. Lucas JA, Siegel MJ, Kalay E, Crystal S. Resident and Facility Characteristics Associated with Antipsychotic and Antidepressant Use in Nursing Home Residents with Dementia. Paper presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
165. Crystal S, Gerhard T, Lucas J, Olfson M, Kalay E. Effect of Regulatory Warnings on Antipsychotic Prescribing for Nursing Home Residents with Dementia. Paper presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
166. Siegel MJ, Lucas JA, Kalay E, Crystal S. Racial Differences in Antipsychotic Use among Nursing Homes Residents. Paper presented at Annual Meeting of the Gerontological Society of America, National City, MD, November 2008.
167. Crystal S, Siegel M, Lucas J, Akincigil A, Kalay E. Racial Differences in Antidepressant Use among Depressed Nursing Home Residents. Paper presented at Annual Meeting of the American Public Health Association, San Diego, November 2008.

168. Walkup J, Akincigil A, Amin S, Bilder S, Crystal S. Treated Prevalence of HIV/AIDS Among Medicaid Patients with Diagnosed Schizophrenia in 110 U.S. Cities. Paper presented at Annual Meeting of the American Public Health Association, San Diego, November 2008.
169. Bowblis J, Crystal S, Intrator O, Lucas J. The Impact of State Regulation on the Rate of Antipsychotic Drug Use in Nursing Homes. Submitted for 2009 Annual Meeting of AcademyHealth.
170. Goulet JL, Crystal S, Day N, Fultz SL, Gibert C, Kerns RD, Peck RW, Justice AC. Suicidal Ideation among HIV-Infected and Uninfected Veterans in Care. Poster presented at Annual Veterans Administration Health Services Research and Development Service (HSR&D) meeting, Baltimore, February 2009.
171. Crystal S, Siegel M, Amin S, Akincigil A. Educational Attainment, Late-Life Outcomes, and Cumulative Advantage. Presented at Annual Meeting of the American Sociological Association, San Francisco, August 2009.
172. Gerhard T, Crystal S. Antipsychotic Use in Medicaid Youth: Challenges and Partnerships. New York State Department of Health Conference on Building Bridges to Effective Pediatric ADHD Practice. New York, NY, February 2009.
173. Tate JP, Goulet JL, Rodriguez-Barradas, Crystal S, Gibert C, Leaf D, Rimland D, Justice A. Obesity: An Emerging Comorbidity in HIV Infection. Presented at 13<sup>th</sup> International Workshop on HIV Observational Databases, 26<sup>th</sup>-28<sup>th</sup> March 2009, Lisbon, Portugal.
174. Sigel K, Wisnivesky J, Justice A, Brown S, Butt A, Crystal S, Rimland D, Rodriguez-Barradas M, Crothers K. HIV is an Independent Risk Factor for Lung Cancer Among HIV-infected Veterans. Presented at International Workshop on HIV Observational Databases. 26-28 March 2009, Lisbon, Portugal.
175. Gerhard T, Lucas J, Crystal S. Association Between Nursing Home Staffing Levels and Off-label Use of Antipsychotics. Poster presentation at 24<sup>th</sup> International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society of Pharmacoepidemiology, Copenhagen, August 2008. Abstract in *Pharmacoepidemiology and Drug Safety* 17 (Suppl. 1): p. S70-S71, 2008.
176. Gerhard T, Lucas J, Olfson M, Hoover D, Kalay E, Crystal S. Effect of Regulatory Warnings on Antipsychotic Prescribing for Nursing Home Residents with Dementia. Paper presented at 24<sup>th</sup> International Conference on Pharmacoepidemiology and Therapeutic Risk Management, International Society of Pharmacoepidemiology, Copenhagen, August 2008. Abstract in *Pharmacoepidemiology and Drug Safety* 17 (Suppl. 1): p. S120-121, 2008. Also presented at scientific session on antipsychotics, CERTs centers meeting, September 2008, Rockville, MD.
177. Crystal S, Akincigil A, Bilder S, Walkup J. HIV/AIDS and Aging in the Medicaid Population: Age, Comorbidity, and Adherence. Paper presented at Annual Meeting of the American Geriatrics Society, Washington, DC, May 2, 2008.

178. Crystal S (organizer/co-chair). National Consensus Conference on Management of Clinical Aggression in Youth: Treatment Recommendations, Appropriate and Inappropriate Medication Uses, Alternative Interventions, and Research Priorities. Conference sponsored by Rutgers Center for Education and Research on Mental Health Therapeutics, Texas Department of Health Services, New York State Office of Mental Health, California Department of Mental Health, and Annie E. Casey Foundation. Dallas, Texas, February 12-13, 2007.
179. Crystal S (organizer/presider). The Medicare Prescription Drug Benefit: Policy Controversies, Impact on Beneficiaries, and Future Prospects. Symposium presented at Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Selected as Ollie Randall Symposium (awarded to one symposium at each annual meeting) and as State-of-the-Art Symposium. Abstract in *The Gerontologist* 47 (Special Issue 1), pp. 105-107.
180. Crystal S. Cumulative Advantage, Educational Attainment, and Late-Life Health Status. Paper presented at Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Abstract in *The Gerontologist* 47 (Special Issue 1), pp. 178.
181. Siegel MJ, Lucas J, Kalay E, Akincigil A, Crystal S. Racial Disparities in Antidepressant Treatment in Nursing Homes: The Role of Education. Presented at Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Abstract in *The Gerontologist* 47 (Special Issue 1), p. 108.
182. Crystal S. Population Aging and Sustainability of Health Benefits for the Elderly: A Cross-National Perspective. Submitted for World Congress of Gerontology, Paris, July 2009.
183. Carlson GA, Olfson M, Gerhard T, Huang C, Crystal S. Newly Diagnosed Bipolar Disorder-Treatment Implications. Presented at Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Chicago, October 2008.
184. Cook RL, McGinnis KA, Fiellin DA, Goulet JL, Gordon AJ, Samet J, Mattocks K, Crystal S, Kraemer K, Braithwaite S, Gibert C, Rodriguez-Barradas, Justice AC. Erectile Dysfunction Drug Use and Risky Sexual Behavior in HIV+ and HIV- Men. Presented at Annual Meeting of the Society of General Internal Medicine, Pittsburgh, April 2008.
185. Crystal S, Walkup J, Bilder S, Amin S. Using Medicaid Data to Assess HIV/AIDS Prevalence among Persons with Severe Mental Illness: Treated Prevalence Rates in 110 U.S. Cities Using Medicaid Data to Assess HIV/AIDS Prevalence among Persons with Severe Mental Illness: Treated Prevalence Rates in 110 U.S. Cities. Abstract A-072-0132-13983. Abstracts of the International Conference on AIDS, Mexico City, August 2008.
186. Butt AA, McGinnis K, Crystal S, Simberkoff M, Rodriguez-Barradas M, Goetz M, Leaf D, Justice AC. HIV Infection and the Risk of Diabetes Mellitus. Presented at 48th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) and the Infectious Diseases Society of America (IDSA) 46th Annual Meeting. Washington, DC, October 25-28, 2008.
187. Paek E, Lucas J, Bowblis J, Crystal S. Nursing Home Frontline Caregivers' Job Satisfaction: What Affects Certified Nurse Aides' (CNAs) Job Satisfaction? Poster presentation, Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Abstract in *The Gerontologist* 47 (Special Issue 1), p. 574.

188. Finnerty M, Leckman-Westin E, Gupta N, Chen Q, Olfson M, Gerhard T, Crystal S, Donahue S, Felton C, Essock S. Antipsychotic Polypharmacy: Prevalence and Predictors. Presented at 46<sup>th</sup> Annual Meeting of the American College of Neuropsychopharmacology, Boca Raton, December 12, 2007.
189. Walkup J, Bilder S, Akincigil A, Crystal S. Do Sociodemographic, Psychiatric, and Substance Abuse Variables Predict ARV Initiation and Refill Persistence Among Medicaid Beneficiaries Ages 18 and Under? Paper presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2007.
190. Gerhard T, Olfson M, Crystal S. National Patterns in the Outpatient Management of Children and Adults with Autism or Asperger Disorder. Paper presented at Annual Meeting of the American Academy of Pediatrics, San Francisco, October 27-30, 2007.
191. Crystal S (organizer/presenter). Prescription Drug Comparative Effectiveness and Safety Research: Scientific Strategies and Policy Issues. Briefing for staff of Senate Finance Committee and Congressional Research Service, Washington, March 13, 2007.
192. Crystal S (organizer/co-chair). Antidepressant Use and Suicidality. Symposium presented at Food and Drug Administration/CERTs Government Day Conference on Therapeutic Effectiveness and Safety, FDA Headquarters, Silver Spring, MD, March 14, 2007.
193. Crystal S. Part D Policy Controversies and the Future of the Medicare Prescription Drug Benefit. Paper presented at Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Abstract in *The Gerontologist* 47 (Special Issue 1), p. 107.
194. Lucas J, Bowblis J, Siegel M, Kalay E, Crystal S. Resident and Facility Characteristics Associated with Use of Antipsychotic and Antidepressant Agents in Nursing Homes. Presented at Annual Meeting of the Gerontological Society of America, San Francisco, November 2007. Abstract in *The Gerontologist* 47 (Special Issue 1), p. 528.
195. Crystal S, Bilder S, Akincigil A, Levin C. Disparities in Depression Treatment Among Adult Medicaid Beneficiaries. Poster presented at Annual Partnerships in Therapeutics Meeting of the Centers for Education and Research on Therapeutics, Washington, March 13, 2007.
196. Pappadopulos E, Jensen PS, Olfson M, Lucas J, Scotto Rosato N, Crystal S. Outpatient Management of Aggression in Youth: Treatment Recommendations, Appropriate and Inappropriate Medication Uses, Alternative Interventions, and Research Priorities. Presented as poster at Annual Partnerships in Therapeutics Meeting of the Centers for Education and Research on Therapeutics, Washington, March 13, 2007, and as oral presentation at Food and Drug Administration/CERTs Government Day Conference on Therapeutic Effectiveness and Safety, FDA Headquarters, Silver Spring, MD, March 14, 2007.
197. Crystal S (organizer/co-chair). Off-Label Use of Atypical Antipsychotics Among Youth: Assessing Safety and Improving Appropriateness of Prescribing. Symposium presented at Food and Drug Administration/CERTs Government Day Conference on Therapeutic Effectiveness and Safety, FDA Headquarters, Silver Spring, MD, March 14, 2007.
198. Walkup J, Bilder S, Crystal S. Comparing Patients with Combined Major Mental illness and HIV, Major Mental Illness Without HIV, and HIV Without Major Mental Illness. Presented at Annual Meeting of AcademyHealth, Orlando, FL, June 2007.

199. Siegel M, Lucas J, Kalay E, Crystal S. Racial Disparities in Antidepressant Use in Nursing Homes: The Role of Education. Presented at paper session on Impact of Health Financing, Organization & New Technologies on Healthcare Disparities, Annual Meeting of AcademyHealth, Orlando, FL, June 2007.
200. Bilder S, Walkup J, Sohrakoff A, Crystal S. Mood Stabilizer and Anticonvulsant Prescription Refill Persistence in Bipolar Disorder: Disparities and Co-occurring Conditions. Presented at Pharmacoeconomics Paper Session, Annual Meeting of AcademyHealth, Orlando, FL, June 2007.
201. Lucas J, Bowblis J, Levin C, Robertson B, Paek EJ, Crystal S. Family Satisfaction: How Do Respondent and Facility Characteristics Relate to Satisfaction with Nursing Home Care? Presented at Annual Meeting of AcademyHealth, Orlando, FL, June 2007.
202. Bowblis J, Lucas J, Crystal S. Family Satisfaction with Long-Term Nursing Home Care: Does Quantile Regression Give Us a Different Picture? Presented at Annual Meeting of AcademyHealth, Orlando, FL, June 2007.
203. Crothers K, Goulet JL, Rodriguez-Barradas M, Gibert CL, Oursler KA, Goetz M, Crystal S, Leaf DA, Butt AA, Braithwaite RS, Peck R, Justice AC. Impact of Smoking on Morbidity and Mortality in HIV+ and HIV- Veterans. Paper accepted for presentation at Annual Meeting of the American Thoracic Society, San Francisco, May 2007.
204. Crystal S. The Centers for Education and Research on Therapeutics and Their Role in Improving Quality, Safety and Outcomes of Pharmaceutical Care. Presented at Annual Meeting of the American Public Health Association, Washington, DC, 2007.
205. Crystal S. Part D Policy Controversies, Impact on Disadvantaged Groups, and the Assessment of Part D Treatment Outcomes, Quality of Care and Program Effectiveness. Presented at Annual Meeting of the American Public Health Association, Washington, DC, 2007.
206. Walkup J, Bilder S, Crystal S. Co-occurring Psychiatric Diagnoses and Psychotropic Medication Use by Medicaid Patients Younger Than 18 Diagnosed with Gilles de la Tourette Syndrome. Presented at Annual Meeting of the American Public Health Association, Washington, DC, 2007.
207. Walkup J, Bilder S, Crystal S. How Does HIV Status Affect Rates of Psychotropic Use by Medicaid Patients with Schizophrenia? Presented at Annual Meeting of the American Public Health Association, Washington, DC, 2007.
208. Hoover, D., Akincigil, A., Kalay, E., Lucas, J., Walkup, J., Prince, J., & Crystal, S. Trends in Medicare Inpatient Psychiatric Care for Persons 65 Years and Older. Paper presented at Annual Meeting of the American Public Health Association, Washington, DC, November 2007.
209. Sueoka K, Goulet J, Butt A, Crystal S, Gibert C, Rimland D, Bryant K, Rodriguez-Barradas M, Justice A. Depression Treatment among HIV Positive and Negative Veterans: Do Treatment Rates Vary by HIV Status? Poster presentation at Annual Meeting of the Society of General Internal Medicine, 2007. Abstract in *Journal of General Internal Medicine* 22(Suppl. 1): 17, 2007.

210. Crystal S, Walkup J, Amin S. Race, Gender, and Geographic Patterns in HIV Infection Rates Among Persons with Severe Mental Illness. Presented at annual meeting of the American Sociological Association, 2009.
211. Crystal S (presenter), Akincigil A, Walkup JT, Bilder S. Studying Initiation and Persistence of Medication Regimens with Medicaid Claims Data: Strengths, Limitations, and Strategies. Paper presented at AHRQ/DECIDE Symposium on Comparative Effectiveness and Safety: Emerging Methods, Rockville, Maryland, June 19-20, 2006.
212. Crystal S, Amin S, Akincigil A. Cumulative Advantage and Health Disparities Among the Elderly: The Role of Education. Paper presented at Annual Meeting of the Gerontological Society of America, Dallas, November 2006.
213. Crystal S (organizer/chair/discussant). Public Policy Symposium -- The Medicare Prescription Drug Benefit: Implementation Challenges, Policy Controversies, and Future Prospects. Presented at Annual Meeting of the Gerontological Society of America, Dallas, November 2006.
214. Crystal S. Measuring and Publicly Reporting Long-Term Care Consumer Satisfaction: What is to be Done? Presented at Annual Meeting of the Gerontological Society of America, Dallas, November 2006.
215. Akincigil A, Amin S, Crystal S. Quality of Prescription Drug Coverage and Treatment of Depression in the Elderly Medicare Population. Paper presented at Annual Meeting of the Gerontological Society of America, Dallas, November 2006.
216. Crystal S. Assessing Risks and Benefits of Therapeutics Over the Product Life Cycle: The Crisis of Confidence in Drug Safety and the Need for a New Paradigm. Presented at 4th Annual Health Policy Summit - The Evolving World of Benefits and Risk - Risky Business? New Brunswick, NJ, November 2006.
217. Crystal, S, Akincigil A, Bowblis J, Levin, C, Jan S. Overcoming Barriers to Guideline-Consistent Depression Care: The Significance of Age. Presented at Annual Meeting of AcademyHealth, Seattle, WA, June 2006.
218. Lucas JA, Lowe T, Levine C, Crystal S. Consumer Preferences in the Reporting of Long-term Care Satisfaction Data. Presented at Annual Meeting of AcademyHealth, Seattle, June 2006.
219. Bowblis, J., Levin, C., Akincigil, A. Crystal, S. An Exploration of Diagnoses and Pharmaceutical Treatment for Mental Illness among Elderly Nursing Home Residents. Presented at Annual Meeting of AcademyHealth, Seattle, WA, June 2006.
220. Crystal, S., Bilder, S., Akincigil, A., Levin, C. Patterns of Depression Diagnosis and Antidepressant Use Among Elderly and Non-Elderly Medicaid Beneficiaries. Presented at Annual Meeting of AcademyHealth, Seattle, WA, June 2006.
221. Akincigil, A., Bowblis, J., Levin, C., Jan, S., Crystal, S. Adherence to Antidepressant Medications among Health Plan Members Diagnosed with Major Depression. Paper presented at Annual Meeting of AcademyHealth, Seattle, WA, June 2006.

222. Butt A, Kelley D, McGinnis K, Skanderson M, Crystal S, Simberkoff M, Rodriguez-Barradas M, Leaf D, Goetz M, Justice A. Diabetes Mellitus in HIV Infected Persons – Role of CD4 Counts. Presented at 13th Conference on Retroviruses and Opportunistic Infections (CROI 2006), Denver, February 5-9, 2006.
223. Crystal S, Bilder S, Walkup J, Akincigil A. Disparities in Consistent Use of Antiretroviral Medication Among Medicaid Beneficiaries with HIV/AIDS in the U.S. Abstract: A-011-0092-19159. Abstracts of the International AIDS Conference, Toronto, August 2006.
224. Bilder, S., Walkup, J. Akincigil, A. Crystal, S., Examining Medicare Eligibility and Use of PI/NNRTIs in a Four-State Medicaid HIV/AIDS Population. Presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2006.
225. Walkup, J. Bilder, S., Akincigil, A. Crystal, S. Refill Persistence among Medicaid Beneficiaries Living With HIV/AIDS and Major Mental Illness. Presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2006.
226. Walkup J, Crystal S, Akincigil A, Bilder S. Using Administrative Claims Data to Study Longitudinal Medication Use. Presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2006.
227. Akincigil A, Bilder S, Walkup J, Crystal S. Age and Race Variations in Refill Persistence among Medicaid Beneficiaries Living With HIV/AIDS. Presented at NIMH/IAPAC Conference on HIV Treatment Adherence, Jersey City, March 2006.
228. Crystal S. Assessing Prescription Drug Use and Outcomes Over the Product Life Cycle: Need for a New Paradigm and the Role of Observational Data. Presented at Annual Meeting of the American Public Health Association, Boston, November 2006.
229. Crystal S, Bilder S, Walkup J, Akincigil A. Disparities in Consistent Use of Antiretroviral Medication among Medicaid Beneficiaries with HIV/AIDS in the U.S.: Results of a Multivariate Analysis. Paper presented at Annual Meeting of the American Public Health Association, Boston, November 2006.
230. Akincigil A, Walkup J, Kalay E, Crystal S. Trends in Psychiatric Hospitalizations among Medicare Beneficiaries. Presented at Annual Meeting of the American Public Health Association, Boston, November 2006.
231. Bowlis J, Akincigil A, Jan S, Crystal S. Outpatient Treatment of New Episodes of Depression in an Insured Population. Presented at Annual Meeting of the American Public Health Association, Boston, November 2006.
232. Crystal S (organizer/presider). Implementing the Medicare Prescription Drug Benefit. Symposium accepted for presentation at Annual Meeting of the Gerontological Society of America, Orlando, November 2005; included paper by organizer on MMA Implementation Overview: What is at Stake for the Elderly, States, and the Future of Medicare.
233. Crystal S. Social Security, "Entitlement Reform" and Inequality: Proposed Policy Changes and Their Potential Impacts. Presented at Symposium on Social Security and Social Insecurity: The Future of the Social Contract. Annual Meeting of the Gerontological Society of America, Orlando, November 2005.

234. Crystal S. Cumulative Advantage and the Coming Age Wave: Implications of Policy Changes for the Elderly's Future Economic Well-Being. Presented at Symposium on Cumulative Advantage/Cumulative Disadvantage and Health: Lifecourse and Comparative Perspectives, Annual Meeting of the Gerontological Society of America, Orlando, November 2005.
235. Wei W, Levin C, Crystal S. What Made Them Depressed? -- Longitudinal Study of Elderly Nursing Home Residents Following Admission. Paper presented at Annual Meeting of the Gerontological Society of America, Orlando, November 2005. Abstract in *The Gerontologist* 45(Suppl. 2): 107, 2005.
236. Lucas J, Levin C, Wei W, Akingicil A, Crystal S. Relationships Between Nutritional Status and Depression Treatment Among Depressed Nursing Home Residents. Presented at Annual Meeting of the Gerontological Society of America, Orlando, November 2005. Abstract in *The Gerontologist* 45(Suppl. 2): 556, 2005.
237. Levin C, Wei W, Akincigil A, Lucas J, Bilder S, Crystal S. Diagnosed Depression among Elderly Nursing Home Residents: Prevalence and Treatment. Presented at Annual Meeting of the Gerontological Society of America, New Orleans, November 2005. Abstract in *The Gerontologist* 45(Suppl. 2): 41-42, 2005.
238. Crystal S. Changes in Financing for Prescription Drugs for the U.S. Elderly and Disabled: Issues and Implications for Care of the Mentally Ill. Paper presented at Seventh International Conference on Costs and Assessment in Psychiatry: Financing Mental and Addictive Disorders, Conference sponsored by World Psychiatric Association Section on Mental Health Economics, World Health Organization and National Institute of Mental Health, Venice, March 2005. Abstract in *Journal of Mental Health Policy and Economics* 8(S1): S11, 2005.
239. Crystal S (organizer/presider). Secondary Data Analysis in Mental Health Services Research: Strategies and Resources. Panel presentation for Postdoctoral Seminar Series in Mental Health Research, Institute for Health, Rutgers, September 2005.
240. Crystal S. The Impact of Population Aging on Healthcare Expenditures. Invited paper presented at Penn State Conference on Effects of Demographic Change on the Elderly, State College, PA, October 9-11, 2005 (proceedings to be published in book form by Springer).
241. Crystal S. Medicare Reform, Formularies, Copayments, and the Mentally Ill in the U.S. Accepted for presentation, 5th World Congress of the International Health Economics Association, Barcelona, July 10-13, 2005.
242. Crystal S (organizer/presenter). Implementing the Medicare Prescription Drug Benefit. Symposium presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004. Designated as the Ollie Randall Symposium, an honor awarded to one symposium at each annual meeting. Included presentation by organizer on Implementation Issues for the Medicare Prescription Drug Benefit: High Stakes for the Elderly, States and the Future of Medicare.
243. Crystal S. Prescription Drug Coverage and the Medicare Modernization Act: What is at Stake? Invited presentation for American Medical Students Association Public Forum on "Healthcare Crisis and Prescription Drug Coverage (presenter/moderator). Piscataway, NJ, April 2005.

244. Wei W, Shen Y, Findley P, Walkup J, Crystal S. Prescription Drug Expenditures and Dual Eligibility among non-Elderly Medicaid Beneficiaries Diagnosed with Severe Mental Illness. Accepted for oral presentation, Annual Meeting of the American Public Health Association, November 2005.
245. Crystal S. Defined Contribution and Health Care Financing: Medicare 'Reform' and Inequality Among the Elderly. Paper presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004.
246. Crystal S. Implications of the Medicare Modernization Act. Paper presented at Symposium on Medicare Reform: Examining the Implications of Choice, Annual Meeting of the Gerontological Society of America, Washington, November 2004. Abstract in *The Gerontologist* 44(Suppl. 1):382, 2004.
247. Crystal S (organizer/presider). Multiple Consumers of LTC: Who Measures Up? Symposium presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004. Abstract in *The Gerontologist* 44(Suppl. 1):345-346, 2004.
248. Lucas JA, Levin CA, Lowe T, Crystal S. Satisfaction with Nursing Homes: Contrasting Family and Resident Priorities. Paper presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004.
249. Levin CA, Lucas JA, Paek G, Crystal S. Consumers of Assisted Living: Differences in Perspective Between Residents and Family Members. Paper presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004.
250. Crystal S. The Process of Health Inequality, Disablement, and Cumulative Advantage Over the Life Course. Paper presented at Annual Meeting of the Gerontological Society of America, Washington, November 2004. Abstract in *The Gerontologist* 44(Suppl. 1):667, 2004.
251. Crystal S (co-organizer). Promoting Health in Later Life: Implications of Cumulative Advantage Processes. Symposium at Annual Meeting of the Gerontological Society of America, Washington, November 2004.
252. Crystal S. Aging With and Without HIV: Comparing the Impacts of HIV and Comorbidities of Aging. Presented at Symposium on Challenges to Healthy Aging in the HIV-Positive Adult, Annual Meeting of the Gerontological Society of America, Washington, November 2004. Abstract in *The Gerontologist* 44 (Suppl. 1):261-262, 2004.
253. Crystal S (organizer/discussant). Aging and the Life Course: Intersection with Public Policy. Paper session, Section on Aging and the Life Course, Annual Meeting of the American Sociological Association, 2004. Discussant presentation: Cumulative Advantage and Aging Policy: Cross-National and U.S. Perspectives.
254. Crystal S. Theoretical Integration in HIV/AIDS Research: Integrating the Big Picture and the Little Picture. Social Dimensions of HIV/AIDS in the Epidemic's Third Decade. Presented at Annual Meeting of the American Sociological Association, 2004.
255. Crystal S. States, Pharmacy Assistance, and Medicare Reform. Presentation at Health Policy Fellowship Symposium on The Role of the State in Health Policy, University of Medicine and Dentistry of New Jersey, Stratford, New Jersey, October 2004.

256. Crystal S. Medicare Part D and State Pharmacy Assistance: Critical Issues for States and for Advocates. Presentation for Families USA teleconference, The Medicare Drug Law: State Programs and Reaching Beneficiaries, October 15, 2004.
257. Crystal S. Medicare Reform and Prescription Drugs: High Stakes for the Elderly, States, and the Future of Medicare. Grand Rounds, Eastern Virginia Medical School, Norfolk, Virginia, May 25, 2004.
258. Crystal S. Impact of Cost Sharing and Formulary Structure on Pharmacy Utilization and Policy Implications. Presented at Invitational Summit for State Policy Makers: Part D Implementation Issues, Rutgers/AcademyHealth conference sponsored by Agency for Healthcare Research and Quality, Robert Wood Johnson Foundation State Coverage Initiatives Program, Commonwealth Fund, and National Governors Association, Philadelphia, October 8, 2004.
260. Wei W, Sambamoorthi U, Crystal S, Findley P. Mental Illness, Traumatic Brain Injury, and Medicaid Expenditures. Presented at Annual Meeting of AcademyHealth, June 2004.
261. Crystal S, Sambamoorthi U. Comorbid Physical Conditions and Quality of Depression Care Among Elderly Medicare Beneficiaries. Presented at Annual Meeting of AcademyHealth, June 2004.
262. Shen Y, Findley P, Maney M, Weerts S, Crystal S, Findley T. VA-Medicare Dual Beneficiaries with Stroke: Where Do They Get Care? Presented at Annual Health Services Research and Development National Meeting of the Veterans Health Administration, Washington, DC, February 17, 2005.
263. Akincigil A, Druss B, Bowblis J, Crystal S. Physicians' Diagnoses Associated with Antidepressant Use Between 1995 and 2001. Presented at Annual Meeting of AcademyHealth, June 2004.
264. Shea D, Sambamoorthi U, Wei W, Crystal S. Prescription Drug Expenditures among Elderly Medicare Beneficiaries: A Comparison of Medical Expenditure Panel Survey and Medicare Current Beneficiary Survey. Presented at Annual Meeting of AcademyHealth, June 2004.
265. Bagchi A, Sambamoorthi U, Walkup J, Crystal S. Persistence on Antidepressants Among Elderly Diagnosed with Major Depression. Paper presented at Annual Meeting of the American Public Health Association, November 2004.
266. Banarjea R, Sambamoorthi U, Crystal S. Variations in HIV Testing by Age among High Risk Individuals: Evidence from the 2001 National Health Interview Survey. Presented at Annual Meeting of the American Public Health Association, November 2004.
267. Crystal S. Impact of Mental Health Comorbidities on HIV Care. Presented at NIMH/NIDA/NIAAA Conference on Complexity of Co-Occurring Conditions, Washington, June 24, 2004.
268. Crystal S, Sambamoorthi U, Walkup J, Akincigil A. Diagnosis and Treatment of Depression in the Elderly Medicare Population. Presented at Centers for Medicaid and Medicare Services, Research Seminar Series (sponsored by CMS Office of Research, Demonstrations and Information), Baltimore, March 25, 2004.

269. Bagchi A, Sambamoorthi U, Walkup J, Crystal S. Duration and Adequacy of Antidepressant Therapy Among Elderly Medicare Beneficiaries with Depression. CMS Research Seminar, March 25, 2004.
270. Wei W, Sambamoorthi U, Olfson M, Walkup J, Crystal S. Psychotherapy of Depression in Older Adults. CMS Research Seminar, March 25, 2004.
271. Braithwaite RS, McGinnis K, Conigliaro J, Maisto SA, Crystal S, Day N, Cook RL, Gordon A, Bridges MW, Seiler JF, Justice AC. Temporal Association Between Alcohol Consumption and Medication Adherence Among Individuals With HIV. Presented at 9th International Workshop on HIV Observational Databases, Budapest, 2005.
272. Chwastiak LA, Goulet J, Bryant KJ, Conigliaro J, Crystal S, Day NL, Fiellin DA, O'Connor P, Rimland D, Rodriguez-Barradas M, Justice AC. Prescribing Patterns of Opioid Pain Medications and Benzodiazepines in a Large National VA Sample. Presented at Annual Meeting of the Society of General Internal Medicine, 2005. Abstract in *Journal of General Internal Medicine* 20:179(S1), 2005.
273. Akincigil A, Bowblis J, Levin C, Jan S, Patel M, Crystal S. Refill Persistence with Beta-blocker, Ace Inhibitor and Statin Therapy after an Acute Myocardial Infarction. Presented at 6th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Washington, May 14-16, 2005. Abstract in *Circulation* 111(20):E350, 2005.
274. Pogach L, Xie M, Shentue Y, Tseng CL, Crystal S, Safford M. Diabetes Healthcare Quality Report Cards: How Accurate Are The Grades? Submitted for Annual Meeting of AcademyHealth, 2005.
275. Crystal S. Out-of-Pocket Health Care Expenditures by Older Americans: Cumulative Advantage, Coverage, Choice, and Equity. Invited paper presented at Annual Meeting of the American Sociological Association, Atlanta, August 2003.
276. Thompson W, Wang H, Xie M, Kolassa J, Rajan M, Crystal S, Tseng CL, Zhang Q, Vardi Y, Pogach L, Safford MM. Longitudinal Changes in A1c to Assess Diabetes Quality of Care. Oral presentation at Annual Meeting of Society of General Internal Medicine, Chicago, May 14, 2004.
277. Crystal S. Health Care Organizations and Health Behavior Change Among the Elderly. Penn State Social Structures Conference, Societal Structures and Effective Health Behavior in the Elderly, October 18-19, 1999. Symposium sponsored by NIA; proceedings published in book form by Springer, 2003.
278. Crystal S, Sambamoorthi U, Walkup J, Akincigil A. Insurance Effects and Socioeconomic Disparities in Depression Treatment Among the U.S. Elderly. Presented at plenary session on Economics of Depression, Sixth International Workshop on Costs and Assessment in Psychiatry: Mental Health Policy and Economics -- The Value of Research, Venice, Italy, March 2003. Abstract in *Journal of Mental Health Policy and Economics* 6 (sup. 1): S11, 2003.
279. Crystal S. HIV and Mental Illness: Challenges for Care and Prevention. Invited presentation, plenary session, First Annual Conference, HIV Centers Consortium, New York, December 12, 2003.

280. Crystal S, Akincigil A, Sambamoorthi U, Walkup J. Impact of Insurance Status on Depression Treatment of Elderly. Oral presentation, 4th World Congress of the International Health Economics Association, San Francisco, June 15-18, 2003.
281. Crystal S. Pharmaceutical Benefit Policy And Legislative Issues in Medicaid Programs. Presented at ACS Update Conference for State Medicaid Directors and Staff, Chapel Hill, NC, May 4, 2003.
282. Crystal S. Long-Term Care Financing and New York's Medicaid Home Care Program. Panel discussion, Fordham University, April 30, 2003.
283. Crystal S, Sambamoorthi U, Moynihan P, McSpirtt E. Predictors of Persistent Use of Newer Antiretroviral Agents Over Time in a Low-Income U.S. Population with HIV/AIDS. Presented at XIV International AIDS Conference, Barcelona, July 2002.
284. Steinberg MB, Akincigil A, Delnevo C, Crystal S, Carson J. National Rates of Medication Prescription for Patients Counseled for Tobacco: 1997-2000. Presented at Annual Meeting of the Society for Research on Nicotine and Tobacco, New Orleans, February 2003.
285. Akincigil A, Crystal S (presenter), Wei W, Sambamoorthi U. Trends in Out-of-Pocket Spending for Medicare Beneficiaries. Oral presentation, Annual Meeting of AcademyHealth, June 2003.
286. Crystal S: Racial and Ethnic Disparities in HIV/AIDS Care: What We Know and What We Need to Know. Presented at Kaiser Family Foundation conference on disparities in HIV care, Washington, July 2003.
287. Crothers K, Griffith TA, Butt A, Gibert C, Crystal S, Justice AC. Impact of HIV on Diagnosis of Chronic Obstructive Pulmonary Disease. Presented at Annual Meeting of the American College of Chest Physicians, 2004. This paper was recognized with an ATS Young Investigator award. Abstract in *CHEST* 126(4):917S, 2004.
288. Hoover DR, Sambamoorthi U, Crystal S (presenter). Characteristics of Community-Dwelling Elderly Not Vaccinated for Pneumococcus in 1998 and 2001. Paper presented at Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
289. Crystal S. (organizer/chair). States' Experience with Pharmacy Assistance to the Elderly: Implications for a Medicare Prescription Drug Benefit. Symposium presented at Annual Meeting of the Gerontological Society of America, San Diego, November 2003. Designated as the Ollie Randall Symposium, an honor accorded to one symposium each year.
290. Trail T, Fox K, Cantor J, Silberberg M, Kirschenbaum D, Crystal S. States' Approaches to Pharmacy Benefit Program Design. Paper presented as part of Ollie Randall Symposium, Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
291. Crystal S, Fox K, Trail T, Cantor J, Reinhard S, Kirschenbaum D. Managing the Cost of State Prescription Drug Programs: Approaches to Cost Containment and Quality Control and Their Implications for a Medicare Prescription Drug Benefit. Paper presented as part of Ollie Randall Symposium, Annual Meeting of the Gerontological Society of America, San Diego, November 2003.

292. Crystal S (organizer/chair). Consumer Satisfaction Measurement in Long-Term Care. Symposium presented at Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
293. Lucas JA, Levin CA, Banerjea R, Lowe T, Crystal S. Relationship of Organizational Factors to Nursing Home Resident Satisfaction. Paper presented at symposium on consumer satisfaction measurement, Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
294. Levin CA, Lucas JA, Crystal S. Resident and Family Perspectives of Satisfaction with AL and NHs: A Consumer Comparison. Paper presented at symposium on consumer satisfaction measurement, Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
295. Bagchi A, Sambamoorthi U, McSpirtt E, Yanos P, Walkup J, Crystal S. Use and Persistence for Antipsychotic Medications Among HIV-Infected Individuals With Schizophrenia on Medicaid. Paper presented at Annual Meeting of the American Public Health Association, San Francisco, November 2003.
296. Richards RJ, Crystal S. Repeat and Follow-up Tests (RAFTs) After Colonoscopy: A Population-Based Study. Abstract in *Gastrointestinal Endoscopy* 57 (S1: 5): AB114, 2003.
297. Kennedy M, Akincigil A, Crystal S, Sambamoorthi U. Out-of-Pocket Prescription Drug Expenditures among Elderly with Mental Illness. Presented at Annual Meeting of the American Public Health Association, San Francisco, November 2003.
298. Wei W, Akincigil A, Crystal S, Sambamoorthi U. Gender Differences in Out-of-Pocket Prescription Drug Expenditures and Burden Among Elderly Medicare Beneficiaries. Presented at Annual Meeting of the American Public Health Association, San Francisco, November 2003.
299. Lowe T, Lucas J, Levin C, Crystal S. The Reporting of Nursing Home Quality Information: What Do Consumers Want to Know? Presented at Annual Meeting of the Gerontological Society of America, San Diego, November 2003.
300. Walkup J, Sambamoorthi U, Wei W, Crystal S. Association Between Antidepressant Treatment and Initiation and Persistence of Newer Antiviral Therapies. Presented at Annual Meeting of the American Public Health Association, San Francisco, November 2003.
301. Warner L, Wei W, McSpirtt E, Sambamoorthi U, Crystal S. Substance Abuse Treatment and Antiretroviral Therapy Before and After Delivery Among HIV-Infected Women on Medicaid. Presented at Annual Meeting of AcademyHealth, June 2003.
302. Wei W, Sambamoorthi U, Olfson M, Walkup J, Crystal S. Psychotherapy Treatment Among Elderly Diagnosed with Depression. Presented at Annual Meeting of AcademyHealth, June 2003.
303. Miller D, Zhang Q, Safford M, Crystal S, Rajan M, Tseng C, Pogach L. Mortality Benefits of Statin Use in Clinical Practice Among Patients with Diabetes. Submitted for Annual Meeting of the American Heart Association, 2003.

304. Cook RL, Kraemer KL, Conigliaro J, McGinnis K, Gordon AJ, Samet JH, Crystal S, Rimland D, Maisto S, Bryant KJ, Justice AC. Relationship Between Alcohol Use and Risky Sexual Behavior Among Veterans with HIV Infection. Presented at Annual Meeting of the Research Society on Alcoholism, June 2003.
305. Sambamoorthi U, Olfson M, Wei W, Crystal S (presenter). Diabetes and Depression Care Among Medicaid Beneficiaries. Accepted for presentation at Annual Meeting of the American Public Health Association, 2004.
306. Tseng CL, Helmer D, Rajan M, Tiwari A, Miller DR, Crystal S, Safford M, Greenberg J, Hawley G, Pogach L. Use of Risk-adjusted Multi-level Outcomes to Evaluate Regional Differences in Amputation Rates Among Veterans with Diabetes. Submitted for Annual Meeting of the American Public Health Association, 2004.
307. Lucas J, Levin C, Lowe T, Robinson J, Hoover D, Skarda J, Crystal S. Measuring Resident Satisfaction in New Jersey Nursing Homes. Presented at Annual Meeting of the Gerontological Society of America, Boston, November 2002.
308. Akincigil A, Walkup J, Kennedy M, Crystal S, Sambamoorthi U. Diagnosis and Treatment of Depression in Ambulatory Care Visits: Differences in Office-Based and Ambulatory Settings. Presented at Annual Meeting of the Academy for Health Services Research and Health Policy, 2002.
309. Robinson JP, Crystal S, Lucas JA, Castle N, Hamborg P, Lowe T, Hoover D. Results of a Pilot Resident Satisfaction Survey in Nursing Homes. Presented at Annual Meeting of the Academy for Health Services Research and Health Policy, 2002.
310. Lowe T, Castle N, Lucas J, Robinson J, Crystal S. Consumer Satisfaction in Long-Term Care: State Initiatives in Nursing Homes and Assisted Living Facilities. Presented at Annual Meeting of the Academy for Health Services Research and Health Policy, 2002.
311. Walkup J, Wei W, Sambamoorthi U, Crystal S. Sensitivity of an AIDS Casefinding Algorithm: Who Are We Missing? Presented at Annual Meeting of the Academy for Health Services Research and Health Policy, 2002.
312. Akincigil A, Crystal S, Walkup J, Kennedy M, Sambamoorthi U. Patterns of Reported and Diagnosed Depression Among Elderly in Ambulatory Care. Presented at Annual Meeting of the Gerontological Society of America, Boston, November 2002.
313. Crystal S. Pharmaceutical Benefits, Public Insurance, and Mental Health Care for the Elderly. Presented at National Institute of Mental Health Pharmacoeconomics Research Conference, Bethesda, Maryland, May 2002.
314. Lucas JA, Hoover D, Hamborg P, Robinson JP, Castle N, Lowe T, Crystal S. Assessing the Cognitively Impaired in Resident Satisfaction Surveys. Presented at Annual Meeting of the Academy for Health Services Research and Policy, 2002.
315. Crystal S. Current Directions in Global Health Policy. Presentation for medical student luncheon, Robert Wood Johnson School of Medicine, April 2002 (presenter and symposium organizer).

316. Zhang Q, Pogach L, Miller D, Crystal S, Rajan M, Tseng C, Safford M. All-Cause Mortality Decreases with Statin Exposure in Individuals with Diabetes. Presented at Annual Meeting of the American Diabetes Association, New Orleans, June 2003. Abstract in *Diabetes* 52(S1): A274, 2003.
317. Crystal S. The Use of Administrative Data in HIV Care Research. Presented at HIV Neurobehavioral Research Center, University of California, San Diego, July 2002.
318. Akincigil A, Crystal S, Walkup J, Kennedy M, Sambamoorthi U. Depression Among the Elderly: Identifying the Target Population. Presented at Annual Meeting of the American Public Health Association, Philadelphia, November 2002.
319. McSpirtt E, Akincigil A, Cunningham W, Andersen R, Shapiro M, Crystal S. Health Care Access Among Women with HIV/AIDS: Results from the HIV Cost and Services Utilization Study. Presented at the Annual Meeting of the American Public Health Association, Philadelphia, November 2002.
320. Mechanic D, Bilder S, McAlpine D, Blitz C, Warner L, Crystal S, Walkup J. Barriers to Employment Among Persons with Mental Impairments. Presented at Social Security Administration Disability Research Institute Symposium on SSA Disability Benefits, Washington, June 2002.
321. Crystal S. Pharmaceutical Access and Affordability: The Role of the States. Invited presentation, Annual Meeting of the National Council of State Legislatures. San Antonio, August 14, 2001.
322. Crystal S, Sambamoorthi U, Kumar R. Out-of-Pocket Burden for Prescribed Medications Among the Elderly: Who Are the Heavily Burdened? Presented at annual meeting of the American Public Health Association, Boston, November 2000.
323. Crystal S, Kumar R, Sambamoorthi U, Harman J, Walkup J, Olfson M. Antidepressant Use Among the Elderly. Presented at Annual Meeting of the Gerontological Society of America, Washington, November 2000.
324. Crystal S, McSpirtt E, Akincigil A, Wenger N, Cunningham W, Golin C, Gifford A, Fleishman J, Andersen R, Shapiro M, Bozzette S. Non-Use of HAART Among HIV-Infected Persons in the United States. Presented at Annual Meeting of the Academy for Health Services Research and Policy, Atlanta, June 2001.
325. Crystal S. Cumulative Advantage, Public Policies, and the Distribution of Resources in Later Life. Invited paper presented at World Congress of Gerontology, Vancouver, July 2001. Abstract in *Gerontology: International Journal of Experimental, Clinical and Behavioral Gerontology* 47 (S1): 164.
326. Crystal S. Federal and State Roles in Prescription Drug Coverage. Presented at Center for State Health Policy's New Jersey Health Policy Symposium, Health Coverage in New Jersey: Taking Stock and Looking Ahead. Princeton, May 15, 2001.
327. Crystal S. State Policies and Prescription Drug Coverage. Presented at Forums Institute for Public Policy, Policy Forum, Limited Access and High Costs: What Can New Jersey Do About Prescription Drugs. Trenton, NJ, September 26, 2001.

328. Walkup J, Sambamoorthi U, Crystal S. PI/NNRTI Therapy for Patients with HIV and Serious Mental Illness. Presented at Annual Meeting of the American Public Health Association, Atlanta, October 2001.
329. Crystal S. Medicaid and Access to Pharmaceutical Therapies. Presented at Pharmacoeconomics and Health Outcomes Research Advisory Panel meeting, Aventis Pharmaceuticals, November 2001.
330. McSpirtt E, Sambamoorthi U, Crystal S, Lou Y. Use of Prenatal Care Among HIV-Infected Women Participating in Medicaid. Annual Meeting of the American Public Health Association, Atlanta, October 2001.
331. Crystal S. Pharmaceutical Policy-- Current State Actions. National Conference of State Legislatures, Teleconference for State Legislators and Legislative Staff on Prescription Drug Policy, October 25, 2001.
332. Crystal S. Experiences of State Pharmaceutical Assistance Programs. Annual Meeting of the Gerontological Society of America, Chicago, November 2001.
333. Crystal S. Development of Resident Satisfaction Measures for New Jersey Nursing Homes: An Overview. Annual Meeting of the Gerontological Society of America, Chicago, November 2001. Abstract in *The Gerontologist* 41:78(S1), 2001.
334. Lowe T, Castle N, Lucas J, Robinson J, Crystal S. Use of Resident Satisfaction Surveys by Assisted Living Facilities and Nursing Homes in New Jersey. Annual Meeting of the Gerontological Society of America, Chicago, November 2001.
335. Robinson J, Lucas J, Castle N, Lowe T, Crystal S. Critical Content for Resident Satisfaction Surveys in Nursing Homes. Annual Meeting of the Gerontological Society of America, Chicago, November 2001.
336. Lucas J, Hoover D, Robinson J, Castle N, Lowe T, Crystal S. Assessing the Cognitively Impaired With a Resident Satisfaction Survey. Annual Meeting of the Gerontological Society of America, Chicago, November 2001.
337. Crystal S, Castle N, Lucas J, Robinson J, Lowe T. Results of a Pilot Resident Satisfaction Survey in Nursing Homes. Annual Meeting of the Gerontological Society of America, Chicago, November 2001.
338. Crystal S. Access to Health Care Among Injection Drug Users with HIV. Presented at Pan American Health Organization/National Institute of Drug Abuse, Regional Expert Consultation with Latin American health officials and researchers, Buenos Aires, December 2001. Abstract in *Clinical Infectious Diseases* 37 (S5):S473, 2003.
339. Walkup J, Wei W, Sambamoorthi U, Crystal S. Sensitivity of an AIDS Casefinding Algorithm: Who Are We Missing? Presented at Annual Meeting of the Academy for Health Services Research and Policy, Washington, June 2002.
340. McSpirtt E, Sambamoorthi U, Crystal S (presenter), Lou Y, Kumar R. Prescription Drug Costs and Out-of-Pocket Cost Burden Among the Elderly. Presented at Annual Meeting of the Gerontological Society of America, Washington, November 2000.

341. Crystal S, Sambamoorthi U, McSpirtt E. Use of Antiretroviral Therapy Among HIV+ Pregnant Women. Presented at annual meeting of the Association for Health Services Research, Los Angeles, June 2000.
342. Sambamoorthi U, Moynihan P, McSpirtt E, Crystal S. Use and Diffusion of Protease Inhibitors and Non-Nucleoside Reverse Transcriptase Inhibitors Among Medicaid Beneficiaries with AIDS. Presented at annual meeting of the Association for Health Services Research, Los Angeles, June 2000.
343. Crystal S, Sambamoorthi U, McSpirtt E, Moynihan P. Incidence and Persistence of Protease Inhibitor/NNRTI Use Among NJ Medicaid Beneficiaries. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
344. Crystal S, Sambamoorthi U, Wenger N, Akincigil A, Fleishman J, Joyce G, Zingmond D, Bozzette S, Shapiro M. Socioeconomic Circumstances, Social Support, and Quality of Life Among Middle-Aged and Older People with HIV/AIDS. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
345. Hoover DR, Cantor J, Kumar R, Sambamoorthi U, Crystal S. Elderly Medicare and Non-Medicare End of Life Expenditures in the MCBS from 1992-1996. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
346. Yanos P, Walkup J, Sambamoorthi U, Kumar R, Crystal S. Characteristics and Service-Use Patterns of Non-Elderly Medicare Beneficiaries Diagnosed with Schizophrenia: Findings from the Medicare Current Beneficiary Survey. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
347. Zingmond DS, Wenger NS, Crystal S, Joyce G, Fleishman J, Liu HH, Sambamoorthi U, Lillard L, Leibowitz AA, Shapiro MF, Bozzette SA. Circumstances at HIV Diagnosis and Progression of Disease in Older HIV-Infected Americans. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
348. Crystal S, for Joyce G, Lillard L, Leibowitz AA, Wenger N, Zingmond D, Fleishman J, Sambamoorthi U, Shapiro MF, Bozzette SA. Aging and the Economics of HIV. Presented at Annual Meeting of the American Public Health Association, Boston, November 2000.
349. Crystal S. Older Persons with HIV/AIDS: Socioeconomic and Health Characteristics. Presented at National Institute on Aging Conference on HIV/AIDS and Aging, Washington, September 18-20, 2000.
350. Crystal S, Sambamoorthi U, Warner L, Walkup J. Drug Abuse, Methadone Treatment, and Health Services Use Among Injection Drug Users with AIDS. Presented at National Institute of Drug Abuse Conference on HIV/AIDS Services in Drug Abuse Treatment Settings: Expanding Research and Practice, Bethesda, March 1999.
351. Harman J, Crystal S, Sambamoorthi U. Trends in Antidepressant Treatment and Depression Diagnosis by Age, Care Sector, and Care System. Presented at Annual Meeting of the Association for Health Services Research, Chicago, June 1999.
352. Crystal S, Hoover D, Kumar R. Modeling Utilization of Health Services by the Elderly. Post-doctoral training seminar, Rutgers University, October 1999.

353. Cunningham WE, Markson L, Andersen R, Crystal S, Fleishman J, Golin C, Gifford A, Nelson C, Liu H, Bozzette S, Shapiro M, Wenger N, and the HCSUS Consortium. Predictors of Highly Active Antiretroviral Therapy in Persons with HIV Disease. Presented at Annual Meeting of the Association for Health Services Research, Chicago, June 1999.
354. Zingmond D, Wenger NS, Shapiro MF, Crystal S, Joyce G, Fleishman J, Leibowitz AA, Sambamoorthi U, Bozzette SA. The Influence of Age on Diagnosis and Disease Progression in HIV-Infected Americans: Results from a Nationally Representative Sample of HIV-Infected Adults. Presented at Society for General Internal Medicine annual meeting, 1999.
355. Markson L, Cunningham W, Andersen R, Crystal S, Fleishman J, Fischl M, Gifford A, et al. Who Receives Highly Active Antiretroviral Therapy (HAART)? Data from a Nationally Representative Sample. Presented at Sixth Conference on Retroviruses and Opportunistic Infections, Chicago, Jan. 31-Feb. 4, 1999.
356. Wenger N, Gifford A, Liu H, Chesney M, Golin C, Crystal S, Berry S, et al. Patient Characteristics and Attitudes Associated with Antiretroviral Adherence. Presented at Sixth Conference on Retroviruses and Opportunistic Infections, Chicago, Jan. 31-Feb. 4, 1999.
357. Zingmond D, Wenger N, Shapiro MF, Crystal S, Sambamoorthi U, Joyce G, Liebowitz A, Fleishman J, Bozzette S. Clinical Course of Older Americans with HIV Infection. Society of General Internal Medicine annual meeting, San Francisco, April 29-May 1, 1999.
358. Johnson R, Sambamoorthi U, Crystal S. Gender Differences in Pension Wealth: Estimates Using Provider Data. Presented at Annual Meeting of the American Sociological Association, Chicago, August 1999.
359. Sambamoorthi U, Crystal S, Kumar R, Harman J. Estrogen Replacement Therapy among Elderly Women: Results from the 1995 Medicare Current Beneficiary Survey. Presented at Annual Meeting of the Association for Health Services Research, Chicago, June 1999.
360. Walkup J, Sambamoorthi U, Crystal S, Walters J. HIV-Related Services for New Jersey Residents with Developmental Disabilities. Presented at Annual Meeting of the Association for Health Services Research, Chicago, June 1999.
361. Crystal S, Walkup J, Sambamoorthi U. Serious Mental Illness Among HIV-Infected Medicaid Patients in New Jersey. Oral presentation, Mental Health Session, XII World AIDS Conference, Geneva, July 2, 1998.
362. Crystal S, LoSasso A, Sambamoorthi U. Incidence and Duration of Inpatient Hospitalizations Among Persons with AIDS. Presented at XII World AIDS Conference, Geneva, July 2, 1998.
363. Crystal S, Schmitz M: Psychological Distress Among Persons with HIV/AIDS: Relationships with Social Support, Conflict, Coping, and Distress. Presented at Second European Conference on Social and Behavioral Research on AIDS, UNESCO, Paris, January 1998.
364. Crystal S, Sambamoorthi U: Impact of Participation in a Case-Managed HIV Care Program on Social Inequities in Access to HIV Care. Presented at Second European Conference on Social and Behavioral Research on AIDS, UNESCO, Paris, January 1998.

365. Schmitz M, Crystal S. Caregiving for Persons with HIV/AIDS: Who Provides What for Whom? Presented at Annual Meeting of the American Sociological Association, San Francisco, August 1998.
366. Johnson R, Sambamoorthi U, Crystal S. Gender Differences in Pension Wealth at Midlife: A Comparison of Self-Reports and Pension-Provider Data. Economics of Aging Interest Group paper session, Gerontological Society of America Annual Meetings, Philadelphia, 1998.
367. Crystal S, Johnson R. Out of Pocket Costs of the Elderly: Estimates from the Medicare Current Beneficiary Survey. Gerontological Society of America Annual Meetings, Philadelphia, 1998.
368. Johnson R, Crystal S. Predictors of Out-of-Pocket Costs at Midlife: Do the Uninsured Pay More? Association for Health Services Research Annual Meetings, Washington, D.C., June 22, 1998.
369. Stein M, Crystal S, Cunningham W, Andersen R, Turner B, Zierler S, Shapiro M. Delays in Seeking Personal Care Due to Caregiving in US HIV Patients. Plenary session, Society of General Internal Medicine Annual Meetings, April 1998.
370. Crystal S. Management of HIV/AIDS Care Over the Course of Disease. Presented at HIV/AIDS Disease Management Summit, San Francisco, August 1998.
371. Crystal S, LoSasso A, Sambamoorthi U. Event History Analysis of Hospitalization in a Cohort of Persons with AIDS. Presented at Annual Meeting of the American Public Health Association, Washington, November 1998.
372. Sambamoorthi U, Crystal S, Walkup J. Diagnosis and Treatment of Major Depressive Disorder Among Medicaid Recipients with HIV/AIDS. Presented at Annual Meeting of the American Public Health Association, November 1998.
373. Walkup J, Crystal S, Sambamoorthi U. Substance Abuse by HIV Infected Persons with Severe Mental Illness. Presented at Annual Meeting of the American Public Health Association, November 1998.
374. Crystal S: The Future of Medicare and Medicaid in a Changing Health Care System. Presented at Gerontological Society of America annual meeting, 1997.
375. Crystal S, Johnson R. Health Inequality, Age of Onset of Disability, and Financial Consequences. Presented at Gerontological Society of America annual meeting, 1997.
376. Johnson R, Crystal S. Catastrophic Out-of-Pocket Health Care Costs and the Distribution of Medical Expenses at Midlife. Presented at Gerontological Society of America annual meeting, 1997.
377. Crystal S: Health Services Needs and Utilization Among Older Persons with HIV. Paper presented at National Institute on Aging Conference on AIDS and the Elderly, 1997.
378. Crystal S, Johnson R: Changing Retirement Prospects of American Families: Impact of Labor Market Shifts on Economic Outcomes. Presented at Annual Meeting of the American Sociological Association, Toronto, August 1997.

379. Schmitz M, Crystal S: Social Support, Conflict, Coping and Distress Among Persons with HIV/AIDS. Presented at Annual Meeting of the American Sociological Association, Toronto, August 1997. Also presented at Fifth Annual National Institute of Mental Health Research Conference on the Role of the Family in Preventing and Adapting to HIV/AIDS, Baltimore, July 1995.
380. Crystal S, Johnson R: Costs and Characteristics of Health Insurance in the Health and Retirement Survey. Paper presented at Health and Retirement Survey Wave 2 Early Results Workshop, Institute for Social Research, University of Michigan, October 1995; distributed in ISR's HRS Working Paper series.
381. Crystal S: Global Dimensions and Demographics of Poverty Among the Elderly. Keynote address, United Nations HABITAT II Conference on Poverty and Aging, March 1996.
382. Crystal S: Transitions and Trajectories in HIV Disease: Health Services Utilization, Functional Status, and Distress. Colloquium, Department of Health Care Policy, Harvard Medical School, March 1996.
383. Crystal S: Behavioral Issues in HIV Health Care. Invited presentation, Tenth Anniversary Conference, Rutgers Institute for Health, May 1996.
384. Crystal S, Sambamoorthi U. Functional Status Trajectories in Symptomatic HIV Disease. Presented at XI International Conference on AIDS, Vancouver, July 9, 1996 [Abstract 2318].
385. Fleishman J, Sherbourne C, Crystal S, Marshall G, Kelley M, Grant I, Collins R, Hays R, and the HCSUS Consortium. Social Support and Coping: Factor Structures and Associations with Psychological Distress. Presented at XI International Conference on AIDS, Vancouver, July 1996.
386. Crystal S. Studying Health Care Utilization Longitudinally. Colloquium, Boston University School of Public Health, August 1996.
387. Hays R, Wu A, Cleary PD, Fleishman J, Sherbourne C, Crystal S, Eggen F, Marshall G, Kaplan R, Kelly M, Shapiro M, Bozzette S: Associations of Time Tradeoff with Health-Related Quality of Life Profile Measures in HIV Disease. Presentation at Association for Health Services Research, June 1996.
388. Crystal S, Johnson R: Health Care Utilization and Out of Pocket Costs at Midlife: The Impact of Managed Care. Presentation at Association for Health Services Research, Atlanta, June 1996.
389. Crystal S, Sambamoorthi U: Medicaid Expenditures for Children with AIDS: Implications for Managed Care. Presented at Association for Health Services Research, Atlanta, June 1996.
390. Riley T, Crystal S. Coping and Depression Among Persons Living with HIV/AIDS. Presented at AHCPR/HRSA Annual Trainee Meeting, Atlanta, June 1996.
391. Crystal S, Sambamoorthi U, LoSasso A. Health Care Utilization in Case-Managed and Non-Case Managed Patients with AIDS. Presentation for director and senior executive staff of New Jersey Medicaid program, September 1996.

392. LoSasso A, Crystal S, Sambamoorthi U. HIV, Substance Abuse, and Mental Health Services: Issues for Medicaid Managed Care. Testimony at Public Hearing on managed care plans for substance abuse and mental health services, New Jersey Department of Human Services. Camden, NJ, September 1996.
393. Johnson R, Crystal S: Racial Variations in Health, Health Insurance Coverage, and Medical Expenses. Presented at annual meeting of the Population Association of America, New Orleans, May 1996.
394. Riley T, Crystal S. Social Support, Coping, and Distress in HIV Disease. Presented at Annual Meeting of the American Psychological Society, San Francisco, June 1996.
395. Crystal S, LoSasso A, Sambamoorthi U. Access, Services Utilization, and Cost of Care for Persons with AIDS on Medicaid in New Jersey. Presentation to executive staff of New Jersey Department of Health, July 1996.
396. Crystal S, Johnson R. Health Insurance Coverage, Medical Expenses, and Race at Midlife. Presented at Annual Meeting of the American Public Health Association, New York, November 1996.
397. Sambamoorthi U, Crystal S. Patterns of Health Care Utilization and Costs Among Children with AIDS. Presented at Annual Meeting of the American Public Health Association, New York, November 1996.
398. Agre L, Sambamoorthi U, Crystal S. Child's Health Status and Home Environment: Evidence from the 1988 NLSY. Presented at Annual Meeting of the American Public Health Association, New York, November 1996.
399. Crystal S: Medicaid and Medicare: Past, Present and Future. Presented at Presidential Symposium on Medicaid and Medicare, Annual Meeting of the Gerontological Society of America, November 1996.
400. Crystal S, Johnson R. Health Inequalities at Midlife: Differential Illness Burdens, Variations in Insurance Protection, and Their Consequences. Paper presented at Annual Meeting of the Gerontological Society of America, November 1996.
401. Crystal S, Sambamoorthi U. Functional Status Trajectories in Symptomatic HIV Disease. Presented at Conference on Advances in the Care and Management of HIV/AIDS: From Research to Practice, Newark, October 1996.
402. Crystal S: Responding to the HIV/AIDS Challenge: Monitoring Quality and Access for Persons with HIV/AIDS in Medicaid Managed Care Programs. Keynote address, Sixth Annual HIV/AIDS Update Conference, New York University, October 1995.
403. Crystal S: The Vulnerable Elderly, Entitlements, and the Social Safety Net. Public Policy Forum, Annual Meeting of the Gerontological Society of America, Los Angeles, November 1995.
404. Crystal S: Analyzing Functional Status Trajectories with Hierarchical Linear Models. Paper presented at Annual Meeting of the Gerontological Society of America, Los Angeles, November 1995.

405. Crystal S: Health Policy Challenges Confronting the Elderly: The Role of Foundations. Presented at New Jersey Grantmakers' Seminar on Programs for the Elderly, sponsored by Robert Wood Johnson Foundation and Fannie E. Rippel Foundation, Princeton, November 1995.
406. Crystal S: Health Services Utilization and the Course of HIV Illness: Using Hierarchical Linear Modeling. Presentation to Post-Doctoral Training Program in Health Services Research, University of Medicine and Dentistry of New Jersey and Rutgers University, December 1995.
407. Schlosser L, Crystal S, Sambamoorthi U. Informal Caregiving, Living Arrangements and Use of Health Care Services Among Persons Aged 50 and Over with HIV Disease. Presented at HIV and Aging Conference, New York, October 1995.
408. Crystal S: Lifecourse Dynamics and Later-Life Income Distribution: Leveling, Status Maintenance, or Cumulative Advantage? Colloquium, University of Michigan Institute on Aging, May 1995.
409. Crystal S: Population-Based Needs Assessment for Persons with HIV Disease. Presented at Methods Workshop on Health Status Assessment, Annual Meeting of the Association for Health Services Research, June 1995.
410. Crystal S: Social Change and the Distribution of Economic Resources Among Older People. Invited paper, Annual Meeting of the American Sociological Association, Washington, August 1995.
411. Crystal S: Informal Caregiving and Use of Health Services Among Women with HIV Disease. Paper presented at Annual Meeting of the American Psychological Association, New York, August 1995.
412. Crystal S: Impact of Social Support on the Cost of Care for HIV/AIDS. Presented at Third Annual National Institute of Mental Health Research Conference on the Role of the Family in Preventing and Adapting to HIV/AIDS, Chantilly, VA, July 1995.
413. Crystal S: Critical Issues in HIV Health Services Delivery in New Jersey. Testimony, Hearings on Ryan White CARE Act Services, New Jersey Department of Health, Trenton, January 1995.
414. Crystal S: Who Cares for the Carers? Gender Differences in Social Support and Services Utilization Among Persons with HIV Disease. Presented at National Institutes of Health Conference on Women and HIV, February 1995.
415. Crystal S: Formal and Informal Caregiving Among Persons with HIV. Invited presentation, Annual Meeting of the Eastern Sociological Association, March 1995.
416. Crystal S: Statistical Models for Analysis of Unbalanced Longitudinal Data. Presented at American Public Health Association annual meeting, October 1994.
417. Crystal S: Issues in Health Care Delivery for Women with AIDS. Presentation to AIDS Update Conference, New Jersey Department of Health, September 1994.

418. Crystal S: Clinical Implications of Informal Caregiving Patterns in AIDS Care. Conference on Clinical Implications of the Role of Families in Adapting to AIDS, National Institutes of Health, Bethesda, MD, July 1994.
419. Crystal S: Social Support Variations Among Persons with HIV Disease. Presented at Second Annual National Institute of Mental Health Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, Chantilly, VA, July 1994.
420. Crystal S: Trends in Zidovudine Utilization in New Jersey: The Diffusion of Innovation in HIV Care. Presented at Second International Conference on Biopsychosocial Aspects of HIV Infection, Brighton, England, July 1994.
421. Crystal S: Gender Differences in Utilization of Health Services and Informal Care. Paper presented at Tenth International Conference on AIDS, Yokohama, Japan, August 1994 (oral presentation).
422. Crystal S: The Changing Distribution of Income and Assets During the Reagan-Bush Era: Implications for Public Policy. Presented at Annual Meeting of the Gerontological Society of America, 1994.
423. Crystal S: Social Support in HIV Illness. Presentation for Post-doctoral Mental Health Training Program, Institute for Health, Rutgers, spring 1994.
424. Crystal S, Bilder S, Merzel C, Sambamoorthi U. Social Support, Coping, and Psychological Distress Among Persons with HIV Disease. Paper presented at IX International Conference on AIDS, Berlin, June 1993 [Abstract 1367].
425. Crystal S, Sambamoorthi U, Merzel C. Illness Trajectories and Cost of AIDS Care. Presented at IX International Conference on AIDS, Berlin, June 1993 [Abstract 4209].
426. Crystal S: Income Distribution and Health Status Among the US Elderly: Implications for Health Care Financing. Presented at XV International Conference of Gerontology, Budapest, 1993. (NIA travel expenses grant awarded through Gerontological Society of America).
427. Crystal S, Bilder S, Merzel C, Sambamoorthi U. Stress and Distress: Determinants of Depression Among Persons with Symptomatic HIV Illness. Presented at Annual Meeting of the American Public Health Association, San Francisco, 1993.
428. Crystal S: Federal Policy Toward Housing the Frail Elderly Poor in the U.S.. Presented at Federal National Mortgage Association Colloquium Series on Housing Policy, Rutgers University, 1993.
429. Crystal S: Health Care Reform and Financing Options for Long-Term Care. Andrus Distinguished Lecture Series, Andrus Retirement Community, New York, 1993.
430. Crystal S, Waehrer K. Lifecourse Dynamics and Economic Inequality Among Older People: Longitudinal Evidence on the Cumulative Advantage Hypothesis. Presented at Annual Meeting of the Gerontological Society of America, Washington, DC, 1992.
431. Crystal S, Sambamoorthi U, Merzel C. Impact of Zidovudine Therapy on Survival and Health Services Utilization. Presented at VIII International Conference on AIDS, Amsterdam, July 1992.

432. Crystal S, Shea D: The Divided States of Aging: Divergences in Health and Economic Status and Their Implications for Health System Reform. Paper presented at Annual Meeting of the American Public Health Association, Washington, D.C., 1992.
433. Crystal S, Yphantides N, Main T. Non-Sheltered and Sheltered Homeless in a Sunbelt City: Comparison of Health-Related and Social Characteristics. Paper presented at Annual Meeting of the American Public Health Association, Washington, D.C., 1992.
434. Crystal S, Sambamoorthi U, Merzel C. Estimating the Per-Case Cost of AIDS Care. Paper presented at Annual Meeting of the American Public Health Association, Washington, D.C., 1992.
435. Beck P, Crystal S, Krishnaswami S. Respite Care Utilization Trends and Correlates in a State-Wide Respite Care Program. Paper presented at Annual Meeting of the American Public Health Association, Washington, D.C., 1992.
436. Yphantides N, Crystal S, Main T. Health-Related Characteristics of the Sheltered and Non-Sheltered Homeless: Implications for Medical Care. Presented at Annual Meeting of the American Academy of Family Practice, Kansas City, 1992.
437. Crystal S, Schiller N. Outpatient Medical Care and the Course of AIDS. Paper presented at VII International Conference on AIDS, Florence, 1991. *Int. Conf. AIDS 1991* 7(2):52; summarized in Goldsmith MF, "Cost in Dollars and Lives Continues to Rise [Medical News and Perspectives]", *JAMA* 266(8):1055, 1991.
438. Crystal S: Compression versus Expansion of Morbidity in HIV Disease. Paper presented at Sixth International Workshop on Health Expectancies, REVES (Reseau Esperance de Vie en Sante/Network on Health Expectancies), Montpellier, France, 1992.
439. Crystal S: Modeling the Survival and Cost Impact of AZT Use. *Epidemiology and Quantitative Methods Colloquium Series*, UMDNJ/Rutgers Program in Public Health, 1991.
440. Crystal S: Hazards Models for AIDS Utilization, Cost and Outcomes. Presented at Agency for Health Care Policy and Research Conference on AIDS Health Services Research, Miami, December 1991.
441. Crystal S, Waehrer K. The Contribution of Living Arrangements to the Economic Well-Being of the Elderly. Abstracts of the Annual Meeting of the Gerontological Society of America, San Francisco, 1991; *The Gerontologist* 31(II):130, 1991.
442. Beck P, Dejowski E, Crystal S. Implications of New Jersey's Respite Care Program for a National Respite Policy. Abstracts of the Annual Meeting of the Gerontological Society of America, *The Gerontologist* 31(II):306, 1991.
443. Crystal S, Schiller N. The Social Construction of AIDS Risk Groups. Presented at Annual Meeting of the American Public Health Association, 1991.
444. Crystal S, Schiller N, Altman R, Costa S, Sambamoorthi U, Massey J, Beil J, Merzel C: AIDS Surveillance and Survival Status: Findings from a New Jersey Survey. Presented at Annual Meeting of the American Public Health Association, 1991.

445. Beck P, Dejowski E, Crystal S. Using Respite Care to Alleviate Caregiver Burden and Isolation. Presented at Annual Meeting of the American Public Health Association, 1991.
446. Crystal S: Family Relationships and Informal Caregiving Among Persons with AIDS. Presented at Annual Meeting of the American Sociological Association, 1991.
447. Crystal S: Paradigms of Social and Health Care Research on AIDS. Presented at Annual Meeting of the American Sociological Association, 1991.
448. Crystal S: Studying Primary Care in HIV Illness. Agency for Health Care Policy and Research Second Annual Conference on Primary Care, San Diego, 1991.
449. Crystal S, Shea D. Education and Economic Well-Being Among the Elderly. *Abstracts, Annual Meeting of the Gerontological Society*, Boston, 1990 (October Special Issue, *The Gerontologist*).
450. Shea D, Crystal S. Health Insurance and Economic Disadvantage Among the Elderly. *Abstracts, Annual Meeting of the Gerontological Society*, Boston, 1990 (October Special Issue, *The Gerontologist*).
451. Crystal S: HIV Illness and Families: Mental Health Service Models. National Institute of Mental Health Conference on HIV, Families and Mental Health, Bethesda, November 1990.
452. Juvelis J, Crystal S. Stress and AIDS in a New Jersey Prison. Presented at annual meeting of the American Anthropological Association, November 1990.
453. Crystal S: The Elder Abuse 'Crisis' ", Annual Meeting, California Welfare Directors' Association, Eureka, CA, October 1990.
454. Crystal S, Schiller N, Altman R, Costa A, et al. Survival Status of Cases from the New Jersey AIDS Registry. Abstract in *Int. Conf. AIDS 1990* 6(1):297.
455. Schiller N, Karus D, Crystal S: The Role of Kin in Caregiving for Persons with AIDS in New Jersey. Abstract in *Int. Conf. AIDS 1990* 6(1):331.
456. Merzel C, Crystal S, Kurland C, Karus D. Inpatient Hospital Utilization by Participants in a Statewide HIV Home Care Program. Abstract in *Int. Conf. AIDS 1990* 6(2):285.
457. Schiller N, Karus D, Crystal S: Family Caregiving for Persons With AIDS. Association for Social Sciences in Health, New York, June 1990.
458. Crystal S, Dengelegi L, Dejowski E. Contact Notification as a Means of Targeting AIDS Education. *Abstracts, Annual Meeting of the American Public Health Association*, New York, October, 1990.
459. Crystal S, Beck P, Guttmacher S, Karus D, Dengelegi L. Dangerous Myths: Misconceptions About AIDS Among Inner-City, Non-School-Attending Youth. *Abstracts, Annual Meeting of the American Public Health Association*, New York, October 1990.
460. Dengelegi L, Crystal S. The Role of Case Management in the Provision of Services to the Developmentally Disabled Population. *Abstracts, Annual Meeting of the American Public Health Association*, New York, October 1990.

461. Crystal S. Variations in Health Services Utilization Among Persons with AIDS: Early Findings from Two New Jersey Studies. Annual Meeting of the American Public Health Association, October 1990.
462. Crystal S: The Financial Consequences of Aging Differently: Economic Heterogeneity and the Life Course. Abstracts, *Annual Meeting of the Gerontological Society*, Minneapolis, 1989 (October Special Issue, *The Gerontologist*).
463. Crystal S, Micchelli M: Predictors of Home Care Utilization. Abstracts, *Annual Meeting of the Gerontological Society*, Minneapolis, 1989 (October Special Issue, *The Gerontologist*).
464. Crystal S, Jackson M. Psychosocial Adaptation of Persons with AIDS. Abstracts, *Fifth Annual International Conference on AIDS*, Montreal, 1989.
465. Schiller N, Crystal S, Karus D, Lewellen D. Female Family Members as Mediators of Utilization of Health and Social Services. Abstracts, *Fifth Annual International Conference on AIDS*, Montreal, 1989.
466. Schiller N, Crystal S, Karus D, Lewellen D. Failure to Disclose AIDS Diagnosis, Psychological Stress, and the Utilization of Services. Abstracts, *Fifth Annual International Conference on AIDS*, Montreal, 1989.
467. Crystal S: Income Distribution Among the Elderly: Implications for Health Care Financing. Abstracts, *Annual Meeting of the American Public Health Association*, 1989.
468. Crystal S: Mental Health Needs of Persons with AIDS and Aids-Related Complex. Abstracts, *Annual Meeting of the American Public Health Association*, 1989.
469. Crystal S: Research Strategies in AIDS Health Services: Integrating Primary Data Collection and the Utilization of Secondary Sources. *Annual Meeting of the American Public Health Association*, 1989.
470. Crystal S, Merzel C, Schiller N. Significance of Support Systems for Access to Health and Social Services by Persons with AIDS: The Role of Case Management. Abstracts, *Annual Meeting of the American Public Health Association*, 1989.
471. Merzel C, Crystal S, Kurland C. Providing Home and Community-Based Long-Term Care Services to Persons with AIDS. Abstracts, *Annual Meeting of the American Public Health Association*, 1989.
472. Schiller N, Crystal S. AIDS and Informal Care: The Unheralded Role of Women. Abstracts, *Annual Meeting of the American Public Health Association*, 1989.
473. Crystal S, Jackson M: Health Care and the Social Construction of AIDS. American Sociological Association Annual Meeting; *Sociological Abstracts*, supp. 159:71, 1989.
474. Crystal S: Adjusted Income and Income Comparisons using the Survey of Income and Program Participation. Colloquium, Center for Population Studies and Department of Sociology, Brown University, 1989.

475. Crystal S: Health Care Financing and the Economic Resources of the Elderly. Colloquium, Clinical Research Center of the Medical College of Pennsylvania and Philadelphia Geriatric Center, 1989.
476. Crystal S: Sexual Politics, Power, and Risk Reduction for Sexual Partners of Intravenous Drug Abusers. National Conference on Women and AIDS Prevention, National Institute of Drug Abuse, Berkeley, 1989.
477. Crystal S: AIDS and the Health Care System. Eastern Sociological Society, Baltimore, 1989.
478. Crystal S: Psychosocial Factors in the Care of Persons with AIDS. Conference on AIDS Prevention and Care, Georgia Department of Health, Columbus, Georgia, 1989.
479. Crystal S: Financial Impact of Supportive Care for Persons with AIDS. *Abstracts, Annual Meeting of the American Public Health Association*, 1988.
480. Crystal S, Shea D: Age Distribution of Economic Well-Being: New Findings from the Survey of Income and Program Participation. Annual Meeting of the American Economic Association, 1988.
481. Crystal S: Size and Distribution of the Elderly's Income. *Abstracts, Annual Meeting of the Gerontological Society*, 1988.
482. Crystal S, Morris W. Diagnostic Patterns in Hospital Utilization by the Homeless. *Abstracts, Annual Meeting of the American Public Health Association*, 1988.
483. Crystal S: Supply and Demand of Home Care Workers. *Abstracts, Annual Meeting of the Gerontological Society*, 1988.
484. Crystal S: Diverse Needs of Sub-Groups Among the Homeless. Plenary session, annual meeting of the New Jersey Public Health Association, 1988.
485. Crystal S: AIDS Contact Notification and Alternative Policy Options: Practical, Ethical, and Cost/Benefit Considerations. *Abstracts, Annual Meeting of the American Psychological Association*, 1988.
486. Crystal S: Psychosocial Coping and Economic Circumstances of People With AIDS or ARC. Clinical Epidemiology Lecture Series, School of Medicine, University of California at San Diego, 1988.
487. European lecture tour sponsored by U.S. Information Agency; lectures on various aspects of aging policy in America, at Republican Committee for Social Welfare, Zagreb; University Gerontology Center, Ljubljana; Institute for Social Policy, Belgrade; Institute for Social and Economic Research, Titograd; Cassa di Risparmio, Genoa; Italian Workers' Union Study Center, Trieste; 1987.
488. Crystal S: Hospitals and Long-Term Care in an Aging America. University of Medicine and Dentistry of New Jersey, 1987.
489. Crystal S: Elder Abuse Legislation and the False Analogy to Child Abuse. National Conference on Family Violence, University of New Hampshire, 1987.

490. Crystal S: Poor No More: The Vanishing Elderly Poor? American Society on Aging, 1986.
491. Crystal S: One Man's Means Test Is Another Woman's Income Sharing. American Society on Aging, 1986.
492. Crystal S: Involuntary Intervention and the Homeless Mentally Ill: Legal, Ethical, and Policy Issues. *Abstracts, Annual Meeting of the American Public Health Association*, 1985.
493. Crystal S, Dejowski E: New Approaches to Conservatorship and Protective Services Among the Elderly. *Abstracts, Annual Meeting of the Gerontological Society*, 1985.
494. Crystal S: Policy Choices for New York's Elderly. Testimony before the New York State Governor's Task Force on the Aging; New York City, 1985.
495. Crystal S: Elder Abuse as a Policy Problem. National Conference on Elder Abuse, University of New Hampshire, 1985.
496. Crystal S: Income and Inequality Among the Elderly. *Abstracts, Annual Meeting of the Gerontological Society*, 1984.
497. Crystal S: The Future Shape of Long-Term Care. Administration on Aging, Northwest Regional Training Conference; New London, 1983.
498. Crystal S: Rights, Risks and Responsibilities: Involuntary Intervention and the Mentally Impaired. *Abstracts, Annual Meeting of the Gerontological Society*; San Francisco, 1983.
499. Crystal S: Community Mental Health Centers and the Chronically Mentally Ill. National Conference of Community Mental Health Centers, 1982.
500. Crystal S: Deinstitutionalization, Community Care, and Adult Protective Services. National Council on Aging, Detroit, 1982.
501. Crystal S: Social Change, Intergenerational Help, and the Elderly. *Abstracts, Annual Meeting of the American Sociological Association*, Toronto, 1981.

### **PRIZE-WINNING DISSERTATIONS SUPERVISED; SELECTED CURRENT MENTORING**

Mentor for Senior Faculty K Award (K18HS023434), Professor Laura Byham-Gray, "Patient-Centered Approach to Protein-Energy Wasting in Dialysis", 2015-2018. Mentor for K Award, Arthur Robin Williams (Columbia). Mentor for post-doctoral trainees, Hillary Samples and Greta Bushnell, Columbia.

Michael Knox, 2008, Rutgers, Social Work. Winner of Dean's Prize for Best Ph.D. Dissertation, "Adult Medicaid Beneficiaries with Developmental Disabilities and Epilepsy: Profiles of Service Use and Costs."

Timothy Lowe, 2006, Rutgers, Social Work. Winner of Dean's Prize for Best Ph.D. Dissertation, "The Effect of Resident Characteristics on Satisfaction with Life and Care in Skilled Nursing Facilities: A Hierarchical Model."

Lori Schlosser, 2003, Rutgers, Social Work. Winner of Dean's Prize for Best Ph.D. Dissertation, "Utilization of Ambulatory Mental Health Services by Elderly Medicare Beneficiaries Living in the Community".

DuWayne Battle, 2001, Rutgers, Social Work. Winner of Dean's Prize for Best Ph.D. Dissertation, "The Effects of Religion and Spirituality on Depressed Mood in Individuals Faced with Serious Illness or Bereavement".

Robert Kersting, 1994, Rutgers, Social Work. Winner of Dean's Prize for Best Ph.D. Dissertation, "Predictors of Nursing Home Utilization in the Longitudinal Survey on Aging: An Event History Analysis".

Nicholas Yphantides, 1991, UCSD School of Medicine: Samuel B. Hamburger Prize for Outstanding Independent Study Project (MD Thesis), "Health Care Needs of Sheltered and Unsheltered Homeless in San Diego".

Carol Jennings, 1988, UCSD School of Medicine: Samuel B. Hamburger Prize for Outstanding Independent Study Project (MD Thesis), "Health Status and Behaviors of Homeless Women."

Gary Darmstadt, 1988, UCSD School of Medicine: Ciba-Geigy Award for Outstanding Medical Student Project, "North County Child Abuse Prevention Project."

**FUNDED RESEARCH** (from more than \$42 million in cumulative research funding):

**OPIOID OVERDOSES AMONG MEDICAID BENEFICIARIES: PREDICTORS, OUTCOMES, AND STATE POLICY EFFECTS.** 1 R01 DA047347. (Crystal, PI). This study will use Medicaid data, linked to the National Death Index, to inform national and state strategies to reduce the overdose toll. The study will identify patient, treatment, and policy factors that predict the risk of fatal and non-fatal overdoses, as well as treatment patterns and outcomes following non-fatal overdoses. By grounding treatment and interventions in a comprehensive and empiric understanding of overdose and post-overdose risk, this study aims to change the paradigm of health system response to the overdose problem to one that is informed by a better understanding of these events and the individuals experiencing them. \$3.867 million, 2018-2023.

**EXAMINING THE SYNERGISTIC EFFECTS OF CANNABIS AND PRESCRIPTION OPIOID POLICIES ON CHRONIC PAIN, OPIOID PRESCRIBING, AND OPIOID OVERDOSE.** 1 R01 DA045872. (Cerde and Martins, PIs). In this application, the investigators propose to examine the influence of state-level prescription opioid policies and cannabis policies on self-reports of prescription opioids, benzodiazepine and heroin use and disorders, Medicaid claims related to opioid prescriptions, clinic visits for chronic pain, and opioid overdoses. Under a subaward (Crystal, site PI), a Rutgers team will analyze Medicaid Analytic Extracts data on opioid and benzodiazepine use and outcomes. Overall study budget \$3.675 million, 2018-2023.

**ADVANCING PATIENT SAFETY FOR ANTIPSYCHOTIC-TREATED CHILDREN: EXAMINING STATE IMPLEMENTATION OF SAFE USE PRACTICES.** R01-HS026001. This project addresses the impact of state policies on patient safety in antipsychotic treatment of children in state Medicaid programs, including metabolic monitoring, polypharmacy, use of first-line psychosocial intervention, and antipsychotic among pre-school children. Safety evidence and guidelines highlight the importance of safer-use practices, but uptake of these practices is

inconsistent. We will identify and document state implementation of safe-use practices; assess their impact on safe-use metrics; and actively disseminate results to state decisionmakers and other stakeholders to support the improvement of effective strategies across states. Role: PI. AHRQ, \$1.926 million, 2018-2023.

**CLINICAL AND TRANSLATIONAL SCIENCE AWARD (NJ-ACTS).** (Panettieri, PI). For new Rutgers-led CTSA Center awarded 3/2019, serve as Lead for Special Populations Hub and co-lead for Informatics Hub. NIH, \$28 million, 2019-2024.

**SMINET: APPLYING EVIDENCE TO IMPROVE CARE AND OUTCOMES IN SEVERE MENTAL ILLNESS.** R18-HS023258. SMINET continues the work of the MEDNET consortium with a focus on increasing uptake, on a broad scale, of selected evidence-based practices in the care of persons with severe mental illness that are particularly high-impact targets for improving long-term health outcomes. These include 1) metabolic monitoring to improve early detection and guide ongoing management of abnormalities in glucose and lipid metabolism; 2) coordination of care transitions following hospital discharge to reduce the risk of early treatment disengagement and hospital readmission; and 3) appropriate use of uniquely effective and potentially lifesaving medications including clozapine, lithium, and long-acting injectable antipsychotic medications. SMINET will adapt, across large state systems with differing policy environments, strategies that have been successfully applied in participating states to improve these care processes. AHRQ, \$3.73 million, 2014-2019.

**COMPARATIVE EFFECTIVENESS OF STATE PSYCHOTROPIC OVERSIGHT SYSTEMS FOR CHILDREN IN FOSTER CARE.** High rates of use and quality concerns on psychotropic prescribing for children in foster care have generated much national controversy. States are mandated to develop psychotropic oversight systems for these youth, adopting a range of strategies whose effectiveness is not well understood. This mixed-methods project utilizes quantitative and qualitative strategies to examine the outcomes of alternative strategies, incorporating input from multiple stakeholders. Patient Centered Outcomes Research Institute, Health Systems Portfolio, award number IHS-1409-23194. \$2,077,997, 2015-2019. Supplement for additional county-level analyses, \$207,795, 2017-2018.

**UNDERSTANDING AND ADDRESSING OPIOID OVERDOSES IN NEW JERSEY.** This project will inform the policy and health system response to the opioid epidemic in New Jersey through pilot analyses of opioid overdose patterns in the state, and support the development of an R-01 application to the National Institute of Drug Abuse for a multistate study of medically treated overdoses and their outcomes. New Jersey Health Foundation, \$35,000, 2018-2019.

**OPIOID USE DISORDERS AND MEDICATION ASSISTED TREATMENT AMONG MEDICAID BENEFICIARIES.** Pilot funding for preliminary analyses of Medicaid claims data on medication assisted treatment of opioid abuse disorders. \$40,000, 2017-2018. Rutgers Grant Awards in Big Data Analytics Program sponsored by Rutgers ORED, RU-N Research Office, Office of Sr. VP & CIO, and RBHS.

**CENTER FOR EDUCATION AND RESEARCH ON MENTAL HEALTH THERAPEUTICS.** U18-HS-016097 (2006-2011) and U19-HS-021112 (2011-2016). Funded by the Agency for Healthcare Research and Quality in cooperation with the Food and Drug Administration, the Mental Health CERTs serves as a national resource on improving the safe and effective use of treatments for mental health problems. The mental health CERTs has built an extensive research database for

studying use and outcomes of psychotropic drugs across the range of health care settings, including data on more than 100 million individuals, utilized to address a range of mental health treatment issues with an emphasis on children and the elderly. In addition to outcome studies that rigorously examine safety and effectiveness of psychotropic treatments in large usual-care populations, the center has developed quality-improvement collaborations with state mental health, Medicaid and child welfare agencies that have helped these stakeholders to improve oversight and quality of treatment, and has developed national consensus guidelines for treatments. The mental health CERTs also works closely with federal and private agencies and stakeholders including the FDA, CMS and AHRQ to examine and improve uses of psychotropic medications. In 2011, the Mental Health CERTs successfully recompleted for a second five-year funding period, in a competition that reduced the number of centers from 14 to 6. \$4,000,000, 2006-2011; \$4,250,000 (inclusive of data purchases through AHRQ), 2011-2017.

**UNDERSTANDING AND IMPROVING PATTERNS OF PSYCHOTROPIC TREATMENT AMONG LOS ANGELES COUNTY YOUTH: TOWARD SAFER AND MORE JUDICIOUS TREATMENT.** Collaboration with Los Angeles County Department of Children and Family Services to help the county understand and improve patterns of psychotropic medication treatment for the more than 20,000 children in foster care in the county. \$50,000, LA Care Health Plan, 2016-2018.

**MEDNET: ACCELERATING UTILIZATION OF CE FINDINGS IN MEDICAID MENTAL HEALTH.** R18-HS019937. The Medicaid-Mental Health Network for Evidence Based Treatment (MEDNET) brings together Medicaid, mental health agencies and child welfare agencies of six states with researchers and experts at Rutgers and partner institutions to assess existing treatment practices, develop and implement metrics for quality improvement, and increase the utilization of evidence based practices. \$4.93 million, 2010-2013.

**LONG-ACTING INJECTABLE ANTIPSYCHOTIC MEDICATION USE IN MEDICAID.** Analysis of variations and trends in use of long-acting injectable treatments among patients with schizophrenia across 45 states. \$50,000, Stanley Medical Research Foundation, 2016.

**STATE VARIATIONS IN MEDICAID CLOZAPINE USE.** Analysis of state variation in use of clozapine among patients with schizophrenia. \$20,000, Stanley Medical Research Foundation, 2015-2016.

**DATA-DRIVEN QUALITY IMPROVEMENT FOR SAFER DEMENTIA CARE IN TEXAS.** Principal Investigator. Partnership with state nursing home regulatory and quality improvement (QI) staff in Texas in analyses that will help the state assess effectiveness of its QI interventions; more clearly understand patterns and drivers of antipsychotic overuse; prioritize facilities for QI intervention; and drive improvement. The project will help Texas use existing data more effectively to drive safer dementia care. Donaghue Foundation, \$150,000, 2015-2017.

**COMPARATIVE SAFETY AND EFFECTIVENESS OF ANTIPSYCHOTICS.** U18-HS017918-01. Led by the Rutgers CERTs with collaboration from investigators at Harvard/Brigham and Women's Hospital, Vanderbilt and Columbia, this multicenter study uses large linked healthcare datasets, including 45-state 100% Medicaid datafiles, electronic medical record data, nursing home MDS, chart reviews, and other sources of clinical and utilization data, to address critical issues of effectiveness and safety across individual antipsychotic drugs, including total mortality, risk of stroke and cardiac events, diabetes and metabolic risks, and functional outcomes. Agency for Healthcare Research and Quality, and Food and Drug Administration. \$2.63 million (inclusive of separately budgeted data purchases via AHRQ), 2008-2011.

**IMPROVING MEDICATION SAFETY IN NURSING HOME DEMENTIA CARE.** This study utilizes a mixed-methods strategy, integrating state and facility case studies and policy analyses with quantitative analyses of treatments and outcomes, utilizing national data on all long-stay nursing home residents with merged clinical (Minimum Data Set), facility, and Medicare claims data. The project examines the comparative effectiveness of alternative state strategies for reducing reliance on risky antipsychotic medications in the care of residents with dementia. Agency for Healthcare Research and Quality. \$1.5 million (inclusive of data purchases via AHRQ), 2014-2018.

**DEVELOPING EVIDENCE TO INFORM DECISIONS ABOUT EFFECTIVENESS (DEcIDE Center).** The Rutgers DEcIDE Center, in partnership with Columbia University Medical Center, conducted studies on the outcomes, effectiveness, safety, and usefulness of medical treatments and services, as part of AHRQ's DEcIDE network. Under this task order, the Rutgers DEcIDE center served as the network's coordinating center for comparative effectiveness research on mental health, convening stakeholders and experts, identifying research priorities, and conducting analytic studies to develop CE strategies for CER in mental health. \$814,000, 2010-2012.

**MAJOR MENTAL DISORDERS AND HIV: HEALTH SERVICES USE.** 2R01MH058984. Study of the impact of severe mental illness on HIV care. National Institute of Mental Health. \$1,046,000, 2000-2005. Competing renewal with expanded scope, \$1,998,000, 2006-2011.

**FDA SENTINEL PROGRAM.** CHSR serves as one of the collaborating sites for FDA's Sentinel program for post-marketing surveillance of drug safety. Studies include methods development and analysis of selected safety outcomes; Rutgers site has served as lead for systematic reviews on identification of suicidality and depression in administrative claims data, and for an FDA-supported study of diabetes risks associated with antipsychotic treatment utilizing the mini-Sentinel database. Dr. Crystal was a collaborator on the predecessor mini-Sentinel program awarded in 2010; the consortium, led by Harvard Pilgrim, successfully recompleted in 2014 to become the FDA's Sentinel program through 2019. Dr. Crystal continues to serve as site PI and member of the Planning Board for the Sentinel program, 2010-2019. Task order funding, \$325,000.

**GERIATRIC DEPRESSION AND ANTIDEPRESSANT USE.** 2R01MH060831. Study of depression diagnosis, treatment and outcomes among the U.S. elderly, utilizing national data from multiple sources including the Medicare Current Beneficiary Survey, National Ambulatory Medical Care Survey, Medicaid and Medicare claims, private insurance files, and other surveys and datafiles. National Institute of Mental Health, \$596,299, 2000-2005. Competing renewal with expanded scope, \$1.7 million, 2005-2010.

**DEPRESSION CARE AMONG ELDERLY NURSING HOME RESIDENTS.** R01MH076206. Comprehensive investigation of depression identification and treatment for elderly residents, using a unique research database incorporating data on more than one million nursing home residents in eight states, merging clinical information from the Minimum Data Set (MDS); information on treatments, diagnoses and prescription drug use from Medicare and Medicaid claims; and facility information from the OSCAR database on facility characteristics. \$1.173 million, 2005-2010.

**QUALITY OF CARE FOR DEPRESSION.** Study of effects of patient, provider and coverage factors on quality of depression care across multiple lines of business in a large health plan. Horizon Blue Cross and Blue Shield of New Jersey, \$50,000, 2004-2006.

**CONSUMER SATISFACTION MEASUREMENT IN NURSING HOMES.** Development of instruments and procedures for a statewide system of resident satisfaction measurement in New Jersey nursing homes; implementation and analysis of a pilot consumer satisfaction survey. New Jersey Department of Health and Senior Services, \$495,000, 2000-2005. Continuation grant to test impact of satisfaction measurement, \$210,000, 2006-2007.

**RUTGERS CENTER FOR HEALTH SERVICES RESEARCH DEVELOPMENT.** This AHRQ-funded Building Research Infrastructure center, over its five years of (non-renewable) funding, implemented a series of initiatives designed to build health services research capacity at Rutgers and within the state, through development of large research databases, support of pilot projects, and the development of collaborative projects with partners including health plans, the VA, state agencies, and other universities in the state. Agency for Healthcare Research and Quality, \$1.3 million, 2001-2007.

**LONGITUDINAL STUDY OF POST-ACUTE MYOCARDIAL INFARCTION CARE.** Collaborative study of use of  $\beta$ -blockers, statins, and other treatments following myocardial infarction. Horizon Blue Cross and Blue Shield of New Jersey, \$50,000, 2003-2005.

**CENTER FOR HEALTH SERVICES RESEARCH ON PHARMACOTHERAPY, CHRONIC DISEASE MANAGEMENT, AND OUTCOMES (CHSR-PCDMO).** Rutgers University Academic Excellence Fund, \$145,000, 2004-2006. This Academic Excellence grant supported the development of a multidisciplinary research initiative focusing on use and outcomes of pharmacotherapy in usual-care settings, and the preparation of the successful federal application for funding for the Center for Education and Research on Mental Health Therapeutics. The CHSR-PCDMO currently houses the mental health CERTs and other funded programs on pharmacotherapy use and outcomes.

**STATE PHARMACY ASSISTANCE PROGRAMS: STATE OF THE ART AND IMPLICATIONS FOR NATIONAL HEALTH POLICY.** Analysis of program design, eligibility policy, benefit uptake, cost, utilization review procedures, and other aspects of state pharmacy assistance programs for the elderly, and implications for federal policy alternatives such as addition of prescription drug coverage to Medicare. The Commonwealth Fund, \$373,063, 2000-2006.

**STATE APPROACHES TO ADDRESSING PHARMACEUTICAL COSTS FOR THE ELDERLY.** Case studies providing a comparison of alternative approaches taken by four states to pharmaceutical costs for the elderly and disabled, such as direct benefits, requirements for discounts, or insurance subsidies. AARP, \$45,000, 2000-2001.

**IMPACT OF BUDGET PRESSURES ON STATE PHARMACY ASSISTANCE PROGRAMS.** Study of changes in pharmacy assistance programs resulting from state budget reductions and other budgetary pressures. Kaiser Family Foundation, \$75,000, 2002-2004.

**CONSUMER SATISFACTION IN ASSISTED LIVING.** Development and testing of resident and family member assessment instruments for assisted living facilities. New Jersey Department of Health and Senior Services, \$300,000, 2001-2004.

**CONSUMER SATISFACTION SURVEY FOR MAINE NURSING FACILITIES.** Survey to identify quality issues in Maine nursing facilities, using Rutgers Consumer Satisfaction (RSAT) instrument. Maine Bureau of Elder and Adult Services/Market Decisions, \$60,000, 2002-2003.

**CONSUMER SATISFACTION MEASUREMENT FOR FAMILY MEMBERS OF NURSING FACILITY RESIDENTS.** Qualitative research, instrument development, and piloting for family member satisfaction instrument (RSAT-F). Massachusetts Office of Elder Affairs, 2002-2003, \$96,350.

**GEOGRAPHIC, RACIAL AND ETHNIC VARIATIONS IN HIV RELATED SERVICES IN NEW JERSEY.** Collaborative project developed with New Jersey Department of Health and Senior Services to develop small-area analyses of HIV health services utilization for use in community planning. DHHS Office of Minority Health/New Jersey Department of Health and Senior Services, \$183,000, 1999-2002.

**HEALTH CARE, FUNCTION, AND QUALITY OF LIFE AMONG OLDER PERSONS WITH HIV.** This award supported longitudinal analyses of age variations in multiple dimensions of functional status, health care use, treatment adherence, and other aspects of HIV disease, with a focus on persons over age 50. Administrative supplement to NIMH Center Grant from National Institute on Aging. \$360,000, 1999-2002.

**DRUG TREATMENT AND CARE DURING PREGNANCY IN HIV+ WOMEN.** Study of health services use patterns during pregnancy among HIV+ women on Medicaid in New Jersey; analyses of prenatal care and adherence to Public Health Service recommendations for prevention of vertical transmission of HIV. National Institute on Drug Abuse, \$412,000, 1998-2001.

**EVALUATION OF OUTREACH TO ELDERLY INITIATIVE.** Grotta Foundation, \$84,000, 2000-2001.

**HEALTH CARE USE PATTERNS AMONG DRUG USERS WITH HIV/AIDS.** Research on health care utilization, costs and outcomes in New Jersey, using statewide data from a research dataset created by merging AIDS Registry, Medicaid claims, Medicaid eligibility, vital statistics, and other administrative data systems. National Institute on Drug Abuse, \$388,000, 1997-2000.

**DIAGNOSIS AND TREATMENT OF PSYCHIATRIC DISORDERS AMONG THE ELDERLY.** PI of component study of Center on Organization and Financing of Care for the Severely Mentally Ill. National Institute of Mental Health, 1999-2002. Funding for 2000-2001 approx. \$27,000.

**MENTAL HEALTH CARE UTILIZATION AND COSTS FOR MEDICAID BENEFICIARIES WITH SCHIZOPHRENIA.** PI of component study of Center on Organization and Financing of Care for the Severely Mentally Ill. National Institute of Mental Health, 1999-2002; funding for 2000-2001 approx. \$25,000.

**ASSESSING AND IMPROVING QUALITY OF CARE FOR NURSING HOME RESIDENTS WITH MENTAL ILLNESS.** PI of component study of Center on Organization and Financing of Care for the Severely Mentally Ill, utilizing MDS and Medicaid data to address issues of diagnosis and treatment of depression, diagnosis and treatment of pain, use of special care units, and file linkage for nursing home residents. National Institute of Mental Health, 1999-2004; \$43,000.

**FINANCIAL BURDEN OF OUT-OF-POCKET COSTS FOR THE ELDERLY.** Estimates of the burden of out-of-pocket costs among the elderly in relation to income; analysis of predictors of

experiencing financially burdensome costs. Agency for Health Care Policy and Research, \$78,500, 1997-99.

**PRIVATE HEALTH INSURANCE: COVERAGE CHANGES, IMPACT ON MIDLIFE AND OLDER PERSONS, AND POLICY IMPLICATIONS.** Analysis of variations in health insurance coverage and plan choice among midlife and elderly individuals. AARP Andrus Foundation, \$75,000, 1996-1999.

**LONG-TERM CARE IN HIV DISEASE.** Analysis of long-term care service delivery and utilization patterns in New Jersey, as part of a national analysis of HIV long-term care issues. Assistant Secretary for Planning and Evaluation and Mathematica Policy Research, \$130,000, 1996-1998.

**OUT OF POCKET HEALTH CARE EXPENDITURES OF THE ELDERLY.** Research on out-of-pocket health care costs in relation to supplemental insurance coverage, managed care participation, health status, and other characteristics, using Medicare Current Beneficiary Survey. National Institute on Aging, \$77,930, 1997-1999.

**GENDER DIFFERENCES IN PENSION WEALTH AT MIDLIFE.** Analyses utilizing Health and Retirement Survey. U.S. Department of Labor. \$20,000, 1996-98.

**IMPACT OF CHANGING LABOR MARKET CONDITIONS ON ECONOMIC WELL-BEING IN LATER LIFE.** Research on the effects of labor market changes of the 1970s and 1980s on the income and assets of successive cohorts of older individuals. AARP Public Policy Institute. \$40,000, 1996-1997.

**HEALTH CARE COSTS AND UTILIZATION IN AIDS HOME CARE.** Competitive renewal grant for research on health care utilization in New Jersey among persons with HIV disease and its relationship to participation in a case-managed Medicaid waiver program. Agency for Health Care Policy and Research. \$775,822, 1994-1997.

**LATER-LIFE ECONOMIC OUTCOMES IN LONGITUDINAL PERSPECTIVE.** Research on later-life changes in income, assets, health status, living arrangements, and other domains; impact of the onset of functional impairment and widowhood; and the role of retirement income policies in shaping outcomes for individuals (Shannon Grant). National Institute on Aging. \$100,000, 1994-1996.

**SOCIAL SUPPORT AND HEALTH SERVICES UTILIZATION AMONG OLDER PERSONS WITH HIV DISEASE.** Research on age differences in the course of illness and in informal and formal care provision among persons with HIV disease. National Institute on Aging. \$75,000. 1994-96.

**EMPLOYER-PROVIDED HEALTH BENEFITS AMONG MIDDLE-AGED AMERICANS: COVERAGE PATTERNS AND TRANSITIONS.** Analysis of the correlates of insured or noninsured status, coverage transitions, choice of plan type, and relationship to health services utilization in Waves I and II of the Health and Retirement Survey. U.S. Department of Labor, \$15,000, 1995-96.

**FAMILY SUPPORT DYNAMICS IN HIV ILLNESS.** Study of family support and caregiving patterns over time and their impact on mental health outcomes. National Institute of Mental Health. \$339,627, 1993-1996. Supplemental grant for work on gender differences in family support, awarded September 1994, \$50,000. 1994-96.

**HEALTH INSURANCE COVERAGE, CHOICE OF PLAN, AND OUT OF POCKET HEALTH CARE EXPENDITURES IN THE HEALTH AND RETIREMENT SURVEY, WAVE 2.** "Mini-grant" for preparation of a paper for HRS-2 Early Results Workshop. University of Michigan Survey Research Center, \$2,500, 1995.

**DEVELOPING ASSISTED LIVING ALTERNATIVES FOR THE ELDERLY.** Research on implementation of assisted living programs in subsidized housing for the elderly. Administration on Aging. \$80,000, 1994-96.

**HOME AND COMMUNITY-BASED CARE OF MEDICALLY FRAGILE CHILDREN.** Evaluation of statewide program for chronically ill children. New Jersey Division of Youth and Family Services. Awarded summer 1994. \$98,752, 1994-95.

**HEALTH CARE UTILIZATION AND COSTS IN AIDS HOME CARE.** Longitudinal study of formal and informal care utilization in a cohort of persons with HIV disease enrolled in a Medicaid home and community-based waiver program. Agency for Health Care Policy and Research. \$1,565,000, 1989-1993.

**HEALTH-RELATED CHARACTERISTICS OF NEW BRUNSWICK'S ELDERLY.** Survey and needs assessment of the elderly population in New Brunswick, NJ, and recommendations for program development. New Brunswick Tomorrow and the Fund for New Jersey. \$45,000, 1992-1993.

**THE ECONOMIC WELL-BEING OF THE ELDERLY.** Research on the economics of aging and the relationship between economic well-being and health status; policy analysis on old-age benefits. Smith Richardson Foundation. \$120,000, 1990-1994.

**MEDICAID HOME AND COMMUNITY BASED SERVICES WAIVER: MODEL WAIVER II.** Evaluation of Medicaid waiver program. New Jersey Department of Human Services. \$49,723, 1992.

**ECONOMIC RESOURCES OF THE ELDERLY: DISTRIBUTION AND POLICY IMPLICATIONS.** Research on the relationship between health status and economic status among the elderly and on distributional implications of current income and health policies for the aged. AARP Andrus Foundation. \$50,000. 1990-1991.

**RESPITE CARE EVALUATION.** Evaluation of statewide program for respite care of the elderly in New Jersey. New Jersey Department of Human Services and U.S. Health Care Financing Administration. \$487,000, 1989-1992.

**EVALUATION -- COMMUNITY CARE PROGRAM FOR THE ELDERLY AND DISABLED.** Program evaluation of New Jersey's major home care program for personal care services for the functionally impaired elderly and disabled. New Jersey Department of Human Services. \$157,000. 1990-1991.

**POLICY RESEARCH ON DEVELOPMENTAL DISABILITY SERVICES.** Survey of developmentally disabled clients, analysis of state policies and programs. New Jersey Department of Human Services: \$290,000. 1989-1990.

**EVALUATION OF AIDS COMMUNITY CARE ALTERNATIVES PROGRAM.** Evaluation of New Jersey's HIV-specific Medicaid waiver program, and Model Waiver III program for disabled adults and children. New Jersey Department of Human Services. \$97,000. 1988-1989.

**HEALTH CARE NEEDS, HEALTH SERVICES UTILIZATION, AND COPING STRATEGIES OF PERSONS WITH AIDS.** Statewide study of persons with AIDS focusing on utilization of formal and informal care, social supports and social networks, coping processes, health services needs and utilization, living arrangements, social history, economic resources, and mental health. New Jersey Department of Health. \$265,000. 1988-1990.

**EVALUATION OF AIDS CONTACT NOTIFICATION PROGRAMS.** Research on policies and programs for prevention of AIDS. New Jersey Department of Health. \$100,000. 1988-1989.

**AIDS-RELATED KNOWLEDGE, ATTITUDES, AND BEHAVIORS OF NON-SCHOOL-ATTENDING INNER-CITY YOUTH.** Survey of youth in Newark and Paterson, New Jersey. Robert Wood Johnson Foundation and New Jersey Department of Health. \$154,000, 1988-1989.

**STRATEGIES AND ALTERNATIVES FOR EFFECTIVE RISK REDUCTION IN SEXUAL PARTNERS OF INTRAVENOUS DRUG USERS.** Research on knowledge, attitudes, behavior, and decisionmaking processes concerning sexual health and AIDS risk among sexual partners of IVDUs. New Jersey Department of Health and National Institute on Drug Abuse. \$317,000. 1988-1989.

**ANALYSIS OF AIDS-RELATED SERVICES IN SAN DIEGO.** UCSD Academic Senate: \$5,300. 1986.

**PUBLIC POLICY RESPONSES TO HOMELESSNESS.** Research on housing and welfare policies and their relationship to homelessness in New York City and San Diego, and survey research on San Diego homeless. Smith Richardson Foundation and other foundations. \$115,500. 1986-1992.