




Mary Kane Goldstein

Professor of Medicine (Center for Primary Care and Outcomes Research) and, by courtesy, of Health Research and Policy at the Palo Alto Veterans Affairs Health Care System

Medicine - Primary Care Outcomes Research

 NIH Biosketch available Online

 Curriculum Vitae available Online

CONTACT INFORMATION

• Alternate Contact

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Bio

BIO

Dr. Goldstein is Chief, Medical Service, at the VA Palo Alto Health Care System, and a Professor of Medicine in the Center for Health Policy/Center for Primary Care and Outcomes Research (CHP/PCOR) at Stanford University. Her primary area of research expertise is health services research (HSR) involving health information technology to improve quality of health care. She leads a project team that has developed and implemented Clinical Decision Support (CDS) for primary care providers to improve care for common chronic conditions. She also collaborates with other investigators exploring factors that influence medical decision making. Dr. Goldstein is particularly interested in clinical care for patients with multiple comorbidities (multimorbidity) and services for frail older adults.

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Medicine - Primary Care Outcomes Research
- Professor - Med Center Line (By courtesy), Health Research & Policy
- Member, Bio-X
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Vice Chair - Veterans Affairs, Department of Medicine, Stanford University School of Medicine, (2016- present)
- Chief, Medical Service, VA Palo Alto Health Care System, (2016- present)
- Director, Palo Alto Geriatrics Research Education and Clinical Center (GRECC), VA Palo Alto Health Care System, (2008-2017)
- Director of Program on Primary Care Policy and Practice Advancement, Center for Primary Care and Outcomes Research, Stanford, (1997- present)
- Acting Chief, Medical Service, VA Palo Alto Health Care System, (2015-2016)
- Associate Director for Clinical Services, Geriatrics Research Education and Clinical Center (GRECC), VA Palo Alto Health Care System, (2000-2009)

HONORS AND AWARDS

- Alpha Omega Alpha, Stanford University Faculty (2019 -)

- Under Secretary's Award for Health Services Research, Department of Veterans Affairs, Veterans Health Administration (2010)
- Advanced Research Career Development Award, Department of Veterans Affairs (2000-2002)
- Career Development Award in Health Services Research, Department of Veterans Affairs (1996-1999)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chairperson, Steering Committee, Veterans Information Resource Center (VIReC), Veterans Health Administration, Department of Veterans Affairs (2014 - present)
- Advisory Panel, Pt Safety Ctr of Inquiry: ...Improved Tools Opioid Rx (PPSiTOP, Department of Veterans Affairs (2013 - 2015)
- Advisory Committee Member, QUERI - Chronic Heart Failure (CHF), Health Services Research and Development (HSR&D), Dept of VA (2002 - 2015)
- Co-Chair, Analytics Subcommittee, VA Corporate Data Warehouse (CDS), Department of Veterans Affairs, Veterans Health Administration (2015 - 2016)
- Steering Committee Member, VA Information Resource Center (VIReC) (2011 - 2014)
- Chairperson, GRECC Directors Association, Department of Veterans Affairs (2011 - 2012)
- National Advisory Committee Member, Robert Wood Johnson Foundation (RWJF) Physician Faculty Scholars Program (2008 - 2012)
- Executive Committee Member, Quality Enhancement Research Initiative (QUERI) - Ischemic Heart Disease (IHD), HSR&D, Dept of VA (2000 - 2013)
- Board of Directors, American Geriatrics Society (1996 - 2002)
- Board of Directors, American Board of Family Medicine (1993 - 1998)

PROFESSIONAL EDUCATION

- MS in HSR, Stanford University , Health Services Research (1994)
- BA, Barnard College , Philosophy (1973)
- MD, Columbia University , medical degree (1977)

LINKS

- PCOR Faculty Description: <http://chppcor.stanford.edu/people/2093/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Health services research in primary care and geriatrics applying health informatics for quality improvement in health care. The ATHENA-Clinical Decision Support (CDS) project develops knowledge-based systems for application to patient data in electronic health records (EHR) and presentation of findings and recommendations to health professionals within the EHR. Current work in this project includes knowledge engineering of knowledge bases to expand the library of encoded clinical guidelines; evaluation of existing systems based on stakeholder input; integrating CDS into the clinician dashboard to support Patient-Aligned Care Teams (PACTS; akin to PCMH) for Department of Veterans Affairs; and using encoded knowledge to automate clinically-relevant performance metrics using EHR data.

Multiple comorbidities: I am especially interested in addressing information needs of health professionals related to the growing numbers of patients with multiple co-existing conditions (known as multiple chronic conditions, multimorbidity, or multiple comorbidities.) I am collaborating with other investigators to explore how often clinical practice guidelines address commonly co-occurring conditions; decision complexity for health care decision-making with patients with multimorbidity; and effects of comorbidity on benefits and harms of treatment for chronic disease.

Other work includes:

-extracting information from free-text of the EHR using natural language processing, for use in clinical decision support, quality measurement, and predictive analytics;

-developing methods to incorporate patient goals, patient-generated data, and quality of life information into electronic health records and cost-effectiveness analyses for health care of older adults.

CLINICAL TRIALS

- Group Visits to Improve Hypertension Management, Not Recruiting
- Guidelines for Drug Therapy of Hypertension: Closing the Loop, Not Recruiting
- Guidelines for Drug Therapy of Hypertension: Multi-Site Implementation, Not Recruiting
- VISN Collaborative for Improving Hypertension Management With ATHENA-HTN, Not Recruiting

PROJECTS

- Optimizing Appropriate Use of Medications for Veterans: MedSafe CDS - VA Palo Alto Health Care System (10/1/2016 - September 30, 2021)
- Automating Performance Metrics for Quality Improvement in Complex Chronic Disease - VA Palo Alto Health Care System, Department of Veterans Affairs (9/1/2011 - August 31, 2015)
- VISN Collaborative for Improving Hypertension Management with ATHENA-HTN - VA Palo Alto Health Care System and New England Healthcare Network (VISN 1), Dept of VA (1/1/2006 - March 3, 2011)
- Integrating Heart Failure Clinical Decision Support (CDS) at Point of Care - VA Palo Alto Health Care System, Department of Veterans Affairs (1/1/2013 - 12/31/2013)
- Guidelines to Performance Measures: Automating Quality Review for Heart Failure - VA Palo Alto Health Care System, Department of Veterans Affairs (1/1/2012 - 12/30/2012)
- Center on Advancing Decision Making in Aging (CADMA) (ended August 2014) - Center for Primary Care & Outcomes Research, Stanford University (9/30/2009 - 8/31/2014)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Masters Program)
- Biomedical Informatics (Phd Program)
- Geriatric Medicine (Fellowship Program)
- Health Services Research (Masters Program)
- Health Services Research (Phd Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Guided self-management targeting anxiety and activity participation in older Veterans.** *Aging & mental health*
Gould, C. E., Carlson, C., Wetherell, J. L., O'Hara, R., Goldstein, M. K., Loup, J. R., Ma, F., Beaudreau, S. A.
2020: 1–10
- **Stakeholder Engagement for a Planned Automated Quality Measurement System** *SAGE OPEN*
Kalsy, M., Kelly, N., Meystre, S. M., Kim, Y., Bray, B. E., Bolton, D., Goldstein, M. K., Garvin, J. H.
2020; 10 (2)
- **Receipt of Eye Care Services among Medicare Beneficiaries with and without Dementia.** *Ophthalmology*
Pershing, S., Goldstein, M. K., Henderson, V. W., Bundorf, M. K., Lu, Y., Rahman, M., Stein, J. D.
2020
- **Physician Usage and Acceptance of a Machine Learning Recommender System for Simulated Clinical Order Entry.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Chiang, J., Kumar, A., Morales, D., Saini, D., Hom, J., Shieh, L., Musen, M., Goldstein, M. K., Chen, J. H.
2020; 2020: 89–97

- **Technology Use and Preferences for Mental Health Self-Management Interventions among Older Veterans.** *International journal of geriatric psychiatry*
Gould, C. E., Loup, J., Kuhn, E., Beaudreau, S. A., Ma, F., Goldstein, M. K., Wetherell, J. L., Zapata, A. M., Choe, P., O'Hara, R.
2019
- **Differences in Receiving Eye Care Based on Dementia Status**
Pershing, S., Goldstein, M. K., Henderson, V. W., Lu, Y., Bundorf, M., Rahman, M., Andrews, C., Stein, J. D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **High-Need Patients' Goals and Goal Progress in a Veterans Affairs Intensive Outpatient Care Program.** *Journal of general internal medicine*
Hsu, K. Y., Slightam, C., Shaw, J. G., Tierney, A., Hummel, D. L., Goldstein, M. K., Chang, E. T., Boothroyd, D., Zulman, D. M.
2019
- **Differences in Cataract Surgery Rates Based on Dementia Status.** *Journal of Alzheimer's disease : JAD*
Pershing, S., Henderson, V. W., Bundorf, M. K., Lu, Y., Rahman, M., Andrews, C. A., Goldstein, M., Stein, J. D.
2019
- **Differences in Cataract Surgery Rates Based on Dementia Status** *JOURNAL OF ALZHEIMERS DISEASE*
Pershing, S., Henderson, V. W., Bundorf, M., Lu, Y., Rahman, M., Andrews, C. A., Goldstein, M., Stein, J. D.
2019; 69 (2): 423–32
- **An evaluation of clinical order patterns machine-learned from clinician cohorts stratified by patient mortality outcomes** *JOURNAL OF BIOMEDICAL INFORMATICS*
Wang, J. K., Hom, J., Balasubramanian, S., Schuler, A., Shah, N. H., Goldstein, M. K., Baiocchi, M. M., Chen, J. H.
2018; 86: 109–19
- **An Evaluation of Clinical Order Patterns Machine-Learned from Clinician Cohorts Stratified by Patient Mortality Outcomes.** *Journal of biomedical informatics*
Wang, J. K., Hom, J., Balasubramanian, S., Schuler, A., Shah, N. H., Goldstein, M. K., Baiocchi, M. T., Chen, J. H.
2018
- **Testing the usability of a portable DVD player and tailored photo instructions with older adult veterans** *EDUCATIONAL GERONTOLOGY*
Gould, C. E., Zapata, A. L., Shinsky, D. N., Goldstein, M. K.
2018; 44 (1): 64–73
- **Selecting Test Cases from the Electronic Health Record for Software Testing of Knowledge-Based Clinical Decision Support Systems.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Usman, O. A., Oshiro, C., Chambers, J. G., Tu, S. W., Martins, S., Robinson, A., Goldstein, M. K.
2018; 2018: 1046–55
- **"It's a disease of families": Neurologists' insights on how to improve communication and quality of life for families of Parkinson's disease patients.** *Chronic illness*
Schwartz, R., Zulman, D., Gray, C., Goldstein, M. K., Trivedi, R.
2018: 1742395318799852
- **Automating Quality Measures for Heart Failure Using Natural Language Processing: A Descriptive Study in the Department of Veterans Affairs** *JMIR MEDICAL INFORMATICS*
Garvin, J., Kim, Y., Gobbel, G., Matheny, M. E., Redd, A., Bray, B. E., Heidenreich, P., Bolton, D., Heavirland, J., Kelly, N., Reeves, R., Kalsy, M., Goldstein, et al
2018; 6 (1): e5
- **Effect of the Tool to Reduce Inappropriate Medications on Medication Communication and Deprescribing** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Fried, T. R., Niehoff, K. M., Street, R. L., Charpentier, P. A., Rajeevan, N., Miller, P. L., Goldstein, M. K., O'Leary, J. R., Fenton, B. T.
2017; 65 (10): 2265–71
- **Development of a video-delivered relaxation treatment of late-life anxiety for veterans.** *International psychogeriatrics*
Gould, C. E., Zapata, A. M., Bruce, J., Berekeyei Merrell, S., Wetherell, J. L., O'Hara, R., Kuhn, E., Goldstein, M. K., Beaudreau, S. A.
2017: 1-13
- **Decaying relevance of clinical data towards future decisions in data-driven inpatient clinical order sets.** *International journal of medical informatics*
Chen, J. H., Alagappan, M., Goldstein, M. K., Asch, S. M., Altman, R. B.

2017; 102: 71-79

- **Extraction of left ventricular ejection fraction information from various types of clinical reports** *JOURNAL OF BIOMEDICAL INFORMATICS*
Kim, Y., Garvin, J. H., Goldstein, M. K., Hwang, T. S., Redd, A., Bolton, D., Heidenreich, P. A., Meystre, S. M.
2017; 67: 42-48
- **What is a good medical decision? A research agenda guided by perspectives from multiple stakeholders.** *Journal of behavioral medicine*
Hamilton, J. G., Lillie, S. E., Alden, D. L., Scherer, L., Oser, M., Rini, C., Tanaka, M., Baleix, J., Brewster, M., Craddock Lee, S., Goldstein, M. K., Jacobson, R. M., Myers, et al
2017; 40 (1): 52-68
- **What is a good medical decision? A research agenda guided by perspectives from multiple stakeholders** *JOURNAL OF BEHAVIORAL MEDICINE*
Hamilton, J. G., Lillie, S. E., Alden, D. L., Scherer, L., Oser, M., Rini, C., Tanaka, M., Baleix, J., Brewster, M., Lee, S. C., Goldstein, M. K., Jacobson, R. M., Myers, et al
2017; 40 (1): 52-68
- **High-Risk Drug-Drug Interactions Between Clinical Practice Guidelines for Management of Chronic Conditions.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Tso, G. J., Tu, S. W., Musen, M. A., Goldstein, M. K.
2017; 2017: 531-39
- **The New HIT: Human Health Information Technology**
Leung, T. I., Goldstein, M. K., Musen, M. A., Cronkite, R., Chen, J. H., Gottlieb, A., Leitersdorf, E., Gundlapalli, A. V., Jaulent, M. C., Zhao, D.
IOS PRESS.2017: 768-72
- **A MIXED-METHODS EVALUATION OF A VIDEO-DELIVERED RELAXATION TREATMENT OF ANXIETY IN OLDER VETERANS**
Gould, C. E., O'Hara, R., Zapata, A., Bruce, J., Merrell, S., Wetherell, J., Goldstein, M., Beaudreau, S. A.
OXFORD UNIV PRESS INC.2016: 448
- **TESTING THE USABILITY OF A PORTABLE DVD PLAYER AND PHOTO INSTRUCTIONS GUIDE WITH OLDER VETERANS**
Gould, C. E., Zapata, A., Merrell, S., Bruce, J., Beaudreau, S. A., Goldstein, M., Wetherell, J., O'Hara, R.
OXFORD UNIV PRESS INC.2016: 568
- **Multimorbidity is associated with anxiety in older adults in the Health and Retirement Study.** *International journal of geriatric psychiatry*
Gould, C. E., O'Hara, R., Goldstein, M. K., Beaudreau, S. A.
2016; 31 (10): 1105-1115
- **Predicting inpatient clinical order patterns with probabilistic topic models vs conventional order sets.** *Journal of the American Medical Informatics Association*
Chen, J. H., Goldstein, M. K., Asch, S. M., Mackey, L., Altman, R. B.
2016
- **Automated Heart Failure Quality Measurement with Natural Language Processing**
Garvin, J. H., Kim, Y., Gobbel, G. T., Matheny, M. E., Redd, A., Bray, B. E., Heidenreich, P., Kalsy, M., Goldstein, M. K., Bolton, D., Nativi-Nicolau, J., Meystre, S. M.
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2016: S92
- **A Delphi process to address medication appropriateness for older persons with multiple chronic conditions (vol 16, 67, 2016)** *BMC GERIATRICS*
Fried, T. R., Niehoff, K., Tjia, J., Redeker, N., Goldstein, M. K.
2016; 16: 123
- **Development of the Tool to Reduce Inappropriate Medications (TRIM): A Clinical Decision Support System to Improve Medication Prescribing for Older Adults.** *Pharmacotherapy*
Niehoff, K. M., Rajeevan, N., Charpentier, P. A., Miller, P. L., Goldstein, M. K., Fried, T. R.
2016; 36 (6): 694-701
- **Longitudinal Cognitive Trajectories of Women Veterans from the Women's Health Initiative Memory Study.** *Gerontologist*
Padula, C. B., Weitlauf, J. C., Rosen, A. C., Reiber, G., Cochrane, B. B., Naughton, M. J., Li, W., Rissling, M., Yaffe, K., Hunt, J. R., Stefanick, M. L., Goldstein, M. K., Espeland, et al
2016; 56 (1): 115-125

- **A Delphi process to address medication appropriateness for older persons with multiple chronic conditions.** *BMC geriatrics*
Fried, T. R., Niehoff, K., Tjia, J., Redeker, N., Goldstein, M. K.
2016; 16 (1): 67-?
- **DYNAMICALLY EVOLVING CLINICAL PRACTICES AND IMPLICATIONS FOR PREDICTING MEDICAL DECISIONS**
Chen, J. H., Goldstein, M. K., Asch, S. M., Altman, R. B., Altman, R. B., Dunker, A. K., Hunter, L., Ritchie, M. D., Murray, T., Klein, T. E.
WORLD SCIENTIFIC PUBL CO PTE LTD.2016: 195–206
- **Automating Guidelines for Clinical Decision Support: Knowledge Engineering and Implementation.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Tso, G. J., Tu, S. W., Oshiro, C., Martins, S., Ashcraft, M., Yuen, K. W., Wang, D., Robinson, A., Heidenreich, P. A., Goldstein, M. K.
2016; 2016: 1189-1198
- **Automating Performance Measures and Clinical Practice Guidelines: Differences and Complementarities.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Tu, S. W., Martins, S., Oshiro, C., Yuen, K., Wang, D., Robinson, A., Ashcraft, M., Heidenreich, P. A., Goldstein, M. K.
2016; 2016: 1199-1208
- **Test Case Selection in Pre-Deployment Testing of Complex Clinical Decision Support Systems.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Tso, G. J., Yuen, K., Martins, S., Tu, S. W., Ashcraft, M., Heidenreich, P., Hoffman, B. B., Goldstein, M. K.
2016; 2016: 240-249
- **DYNAMICALLY EVOLVING CLINICAL PRACTICES AND IMPLICATIONS FOR PREDICTING MEDICAL DECISIONS.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Chen, J. H., Goldstein, M. K., Asch, S. M., Altman, R. B.
2016; 21: 195-206
- **Prospective Analysis of Health and Mortality Risk in Veteran and Non-Veteran Participants in the Women's Health Initiative** *WOMENS HEALTH ISSUES*
Weitlauf, J. C., LaCroix, A. Z., Bird, C. E., Woods, N. F., Washington, D. L., Katon, J. G., LaMonte, M. J., Goldstein, M. K., Bassuk, S. S., Sarto, G. E., Stefanick, M. L.
2015; 25 (6): 649-657
- **Defibrillator implantations for primary prevention in the United States: Inappropriate care or inadequate documentation: Insights from the National Cardiovascular Data ICD Registry.** *Heart rhythm*
Kaiser, D. W., Tsai, V., Heidenreich, P. A., Goldstein, M. K., Wang, Y., Curtis, J., Turakhia, M. P.
2015; 12 (10): 2086-2093
- **A validated risk model for 1-year mortality after primary prevention implantable cardioverter defibrillator placement.** *American heart journal*
Heidenreich, P. A., Tsai, V., Curtis, J., Wang, Y., Turakhia, M. P., Masoudi, F. A., Varosy, P. D., Goldstein, M. K.
2015; 170 (2): 281-289 e2
- **Does Age Influence Cardiac Resynchronization Therapy Use and Outcome?** *JACC. Heart failure*
Heidenreich, P. A., Tsai, V., Bao, H., Curtis, J., Goldstein, M., Curtis, L., Hernandez, A., Peterson, P., Turakhia, M. P., Masoudi, F. A.
2015; 3 (6): 497-504
- **Support for Management of Multiple Comorbidities through a Performance Measure Clinical Dashboard for Primary Care**
Goldstein, M. K., Tu, S. W., Martins, S. B., Oshiro, C., Yuen, K., Hwang, T., Wang, D., Furman, A., Ashcraft, M., Heidenreich, P.
WILEY-BLACKWELL.2015: S208
- **Automating Identification of Multiple Chronic Conditions in Clinical Practice Guidelines.** *AMIA Joint Summits on Translational Science proceedings AMIA Summit on Translational Science*
Leung, T. I., Jalal, H., Zulman, D. M., Dumontier, M., Owens, D. K., Musen, M. A., Goldstein, M. K.
2015; 2015: 456-460
- **Classification of Contextual Use of Left Ventricular Ejection Fraction Assessments.** *Studies in health technology and informatics*
Kim, Y., Garvin, J., Goldstein, M. K., Meystre, S. M.
2015; 216: 599–603
- **Prospective Analysis of Health and Mortality Risk in Veteran and Non-Veteran Participants in the Women's Health Initiative.** *Women's health issues : official publication of the Jacobs Institute of Women's Health*

- Weitlauf, J. C., LaCroix, A. Z., Bird, C. E., Woods, N. F., Washington, D. L., Katon, J. G., LaMonte, M. J., Goldstein, M. K., Bassuk, S. S., Sarto, G. E., Stefanick, M. L.
2015; 25 (6): 649–57
- **Using a Clinical Knowledge Base to Assess Comorbidity Interrelatedness Among Patients with Multiple Chronic Conditions.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
Zulman, D. M., Martins, S. B., Liu, Y., Tu, S. W., Hoffman, B. B., Asch, S. M., Goldstein, M. K.
2015; 2015: 1381-1389
 - **Health Outcomes Associated with Polypharmacy in Community-Dwelling Older Adults: A Systematic Review** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Fried, T. R., O'Leary, J., Towle, V., Goldstein, M. K., Trentalange, M., Martin, D. K.
2014; 62 (12): 2261-2272
 - **The Effects of Comorbidity on the Benefits and Harms of Treatment for Chronic Disease: A Systematic Review** *PLOS ONE*
Fried, T. R., O'Leary, J., Towle, V., Goldstein, M. K., Trentalange, M., Martin, D. K.
2014; 9 (11)
 - **Mental illness and intensification of diabetes medications: an observational cohort study** *BMC HEALTH SERVICES RESEARCH*
Frayne, S. M., Holmes, T. H., Berg, E., Goldstein, M. K., Berlowitz, D. R., Miller, D. R., Pogach, L. M., Laungani, K. J., Lee, T. T., Moos, R.
2014; 14
 - **Quality of care for patients with multiple chronic conditions: the role of comorbidity interrelatedness.** *Journal of general internal medicine*
Zulman, D. M., Asch, S. M., Martins, S. B., Kerr, E. A., Hoffman, B. B., Goldstein, M. K.
2014; 29 (3): 529-537
 - **Choosing a physician depends on how you want to feel: The role of ideal affect in health-related decision making.** *Emotion*
Sims, T., Tsai, J. L., Koopmann-Holm, B., Thomas, E. A., Goldstein, M. K.
2014; 14 (1): 187-192
 - **Organizational factors affecting implementation of the ATHENA-Hypertension clinical decision support system during the VA's nation-wide information technology restructuring: a case study** *Health System*
Shluzas, L. M., Cronkite, R. C., Hoffman, B. B., Breeling, J., Musen, M. A., Owens, D. K., Goldstein, M. K.
2014
 - **ANXIETY IS ASSOCIATED WITH MULTIMORBIDITY IN OLDER ADULTS IN THE HEALTH AND RETIREMENT STUDY**
Gould, C. E., Goldstein, M. K., O'Hara, R., Beaudreau, S. A.
OXFORD UNIV PRESS INC.2013: 288
 - **Using Natural Language Processing for Extracting Information from Portable Chest X-Ray Reports**
Wang, D. Y., Hwang, T. S., Rubin, D., Chambers, J., South, B. R., Goldstein, M. K.
WILEY-BLACKWELL.2013: S103
 - **AGE DIFFERENCES IN CHOOSING EMOTIONALLY-FRAMED HEALTH CARE OPTIONS ACROSS CULTURES**
Sims, T., Tsai, J. L., Goldstein, M. K.
OXFORD UNIV PRESS INC.2012: 271–271
 - **Automated extraction of ejection fraction for quality measurement using regular expressions in Unstructured Information Management Architecture (UIMA) for heart failure** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Garvin, J. H., DuVall, S. L., South, B. R., Bray, B. E., Bolton, D., Heavirland, J., Pickard, S., Heidenreich, P., Shen, S., Weir, C., Samore, M., Goldstein, M. K.
2012; 19 (5): 859-866
 - **Willingness to Pay in Dermatology: Assessment of the Burden of Skin Diseases** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Seidler, A. M., Bayoumi, A. M., Goldstein, M. K., Cruz, P. D., Chen, S. C.
2012; 132 (7): 1785-1790
 - **A NOVEL CONCEPTUAL MODEL FOR CLINICAL DECISION COMPLEXITY**
Zulman, D. M., Martins, S. B., Asch, S., Goldstein, M. K.
SPRINGER.2012: S106–S107
 - **A Clinically Guided Approach for Improving Performance Measurement for Hypertension** *MEDICAL CARE*

- Steinman, M. A., Lee, S. J., Peterson, C. A., Fung, K. Z., Goldstein, M. K.
2012; 50 (5): 399-405
- **Knowing Loved Ones' End-of-Life Health Care Wishes: Attachment Security Predicts Caregivers' Accuracy** *HEALTH PSYCHOLOGY*
Turan, B., Goldstein, M. K., Garber, A. M., Carstensen, L. L.
2011; 30 (6): 814-818
 - **PREDICTORS OF TREATMENT PREFERENCE AGREEMENT AMONG OLDER PATIENTS, SURROGATES, AND PHYSICIANS**
Woodhead, E., English, T., Goldstein, M., Garber, A., Carstensen, L.
OXFORD UNIV PRESS INC.2011: 450
 - **Influence of Age on Perioperative Complications Among Patients Undergoing Implantable Cardioverter-Defibrillators for Primary Prevention in the United States** *CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES*
Tsai, V., Goldstein, M. K., Hsia, H. H., Wang, Y., Curtis, J., Heidenreich, P. A.
2011; 4 (5): 549-U111
 - **Age Differences in Primary Prevention Implantable Cardioverter-Defibrillator Use in US Individuals** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Tsai, V., Goldstein, M. K., Hsia, H. H., Wang, Y., Curtis, J., Heidenreich, P. A.
2011; 59 (9): 1589-1595
 - **Home Blood Pressure Management and Improved Blood Pressure Control Results From a Randomized Controlled Trial** *ARCHIVES OF INTERNAL MEDICINE*
Bosworth, H. B., Powers, B. J., Olsen, M. K., McCant, F., Grubber, J., Smith, V., Gentry, P. W., Rose, C., van Houtven, C., Wang, V., Goldstein, M. K., Oddone, E. Z.
2011; 171 (13): 1173-1180
 - **Developing Heart Failure (HF) Clinical Decision Support for Patients with Comorbidities.**
Goldstein, M. K., Martins, S. B., Tu, S. W., Heidenreich, P., Massie, B., Furmaga, E.
WILEY-BLACKWELL.2011: S146
 - **Behavioral medicine perspectives on the design of health information technology to improve decision-making, guideline adherence, and care coordination in chronic pain management.** *Translational behavioral medicine*
Midboe, A. M., Lewis, E. T., Cronkite, R. C., Chambers, D., Goldstein, M. K., Kerns, R. D., Trafton, J. A.
2011; 1 (1): 35-44
 - **Designing an automated clinical decision support system to match clinical practice guidelines for opioid therapy for chronic pain** *IMPLEMENTATION SCIENCE*
Trafton, J. A., Martins, S. B., Michel, M. C., Wang, D., Tu, S. W., Clark, D. J., Elliott, J., Vucic, B., Balt, S., Clark, M. E., Sintek, C. D., Rosenberg, J., Daniels, et al
2010; 5
 - **When tight blood pressure control is not for everyone: a new model for performance measurement in hypertension.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*
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