



Arnold Milstein

Professor of Medicine (General Medical Discipline)

Medicine - Primary Care and Population Health

 NIH Biosketch available Online

 Curriculum Vitae available Online

CONTACT INFORMATION

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Bio

BIO

Dr. Milstein is a Professor of Medicine at Stanford and directs the University's Clinical Excellence Research Center. The Center engages faculty from Health, Computer, and Social Sciences in the discovery and replication of innovative health care delivery methods that safely lower per capita health care spending for excellent care.

Before joining Stanford's faculty, his career of applied research spanned private and public sector healthcare delivery and policy. After creating a healthcare performance improvement firm that he expanded globally following its acquisition by Mercer, he co-founded three nationally influential public benefit initiatives, the Leapfrog Group in partnership with the Business Roundtable in 1998 and the Consumer Purchaser Alliance in 2001. Appointed to consecutive term as a Congressional MedPAC Commissioner, he originated two subsequently enacted legislative changes to improve the value of healthcare. He was a founding staff member and serves as the Medical Director of the Pacific Business Group on Health (PBGH), the largest employer-led regional healthcare improvement coalition in the U.S.

Citing his national impact on innovation in health care policy and delivery methods, he was selected for the highest annual award of both the National Business Group on Health (NBGH) and of the American College of Medical Quality. Elected to the Institute of Medicine (now, NAM) of the National Academy of Sciences, he chaired the planning committee of its workshop series on best methods to lower per capita health care spending and improve clinical outcomes. He was educated at Harvard (BA-Economics), Tufts (MD) and UC Berkeley (MPH Healthcare Evaluation).

ACADEMIC APPOINTMENTS

- Professor, Medicine - Primary Care and Population Health
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- MPH, University of California, Berkeley , Health Care Evaluation
- Residency, Mount Zion Hospital, SF , Psychiatry
- Internship, Mount Zion Hospital, SF , Medicine & Psychiatry

- MD, Tufts University , Medicine
- BA, Harvard University , Economics

LINKS

- Clinical Excellence Research Center: <https://med.stanford.edu/cerc.html>
- Partnership in AI-assisted Care: <https://med.stanford.edu/pacresearch.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Design national demonstration of innovations in care delivery that provide more with less. Informed by research on AI-assisted clinical workflow, positive value outlier analysis and triggers of loss aversion bias among patients and clinicians.

Research on creation of a national index of health system productivity gain.

CLINICAL TRIALS

- Spine Pain INtervention to Enhance Care Quality And Reduce Expenditure, Not Recruiting

PROJECTS

- Post-Doctoral Mentor
- Graduate Student Mentor - Stanford University

Teaching

COURSES

2023-24

- AI-Assisted Care: CS 337, MED 277 (Aut)

2021-22

- AI-Assisted Care: CS 337, MED 277 (Aut)

2020-21

- Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Ethan Goh

Postdoctoral Research Mentor

Michele Nelson

Publications

PUBLICATIONS

- **Innovation Diffusion Across 13 Specialties and Associated Clinician Characteristics.** *Advances in health care management*
Novikov, Z., Singer, S. J., Milstein, A.
2024; 22

- **ChatGPT Influence on Medical Decision-Making, Bias, and Equity: A Randomized Study of Clinicians Evaluating Clinical Vignettes.** *medRxiv : the preprint server for health sciences*
Goh, E., Bunning, B., Khoong, E., Gallo, R., Milstein, A., Centola, D., Chen, J. H.
2023
- **Engagement of Patients with Advanced Cancer (EPAC) randomized clinical trial: Long-term effects on survival and healthcare use**
Patel, M. I., Agrawal, M., Kapphahn, K., Blayney, D. W., Asch, S., Bundorf, M., Milstein, A.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Biopsychosocial Intervention or Postural Therapy in Patients With Spine Pain Reply** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Hsu, E., Milstein, A., Choudhry, N.
2023; 329 (16): 1408-1409
- **Caring for People With Depression: Costs Among 43 Million Commercially Insured Patients With or Without Comorbid Illnesses.** *Annals of behavioral medicine : a publication of the Society of Behavioral Medicine*
Glassman, J. R., Jauregui, A., Milstein, A., Kaplan, R. M.
2023
- **Effect of a Biopsychosocial Intervention or Postural Therapy on Disability and Health Care Spending Among Patients With Acute and Subacute Spine Pain: The SPINE CARE Randomized Clinical Trial.** *JAMA*
Choudhry, N. K., Fifer, S., Fontanet, C. P., Archer, K. R., Sears, E., Bhatkhande, G., Haff, N., Ghazinouri, R., Coronado, R. A., Schneider, B. J., Butterworth, S. W., Deogun, H., Cooper, et al
2022; 328 (23): 2334-2344
- **Care teams misunderstand what most upsets patients about their care.** *Healthcare (Amsterdam, Netherlands)*
Conner, A. L., Podtschaske, B. V., Mazza, M. C., Zions, D. L., Malcolm, E. J., Thomson, C. C., Singer, S. J., Milstein, A.
2022; 10 (4): 100657
- **Improving adherence to guidelines for spine pain care: what tools could support primary care clinicians in conforming to guidelines?** *BMJ open quality*
Fifer, S. K., Choudhry, N. K., Brod, M., Hsu, E., Milstein, A.
2022; 11 (3)
- **State-level differences in duties permitted to be performed by medical assistants in the delivery of eye care**
Reeves, M., Xue, J., Milstein, A., Tabin, G., Goldberg, J. L., Schulman, K.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Identifying solutions to meet unmet needs of family caregivers using human-centered design.** *BMC geriatrics*
Termglinchan, V., Daswani, S., Duangtaweesub, P., Assavapokee, T., Milstein, A., Schulman, K.
1800; 22 (1): 94
- **The Dysfunctional Health Benefits Market and Implications for US Employers and Employees.** *JAMA*
Scheinker, D., Milstein, A., Schulman, K.
1800
- **Design of the Spine Pain Intervention to Enhance Care Quality And Reduce Expenditure Trial (SPINE CARE) study: Methods and lessons from a multi-site pragmatic cluster randomized controlled trial.** *Contemporary clinical trials*
Choudhry, N. K., Fontanet, C. P., Ghazinouri, R., Fifer, S., Archer, K. R., Haff, N., Butterworth, S. W., Deogun, H., Block, S., Cooper, A., Sears, E., Goyal, P., Coronado, et al
2021: 106602
- **Distilling innovative US autism care programs that address widely perceived unmet patient and family needs.** *Autism : the international journal of research and practice*
Wong, V., Pham, M., Godfrey, K., Milstein, A.
2021: 13623613211027999
- **Reducing administrative costs in US health care: Assessing single payer and its alternatives.** *Health services research*
Scheinker, D., Richman, B. D., Milstein, A., Schulman, K. A.
2021
- **Parents' Perspectives on Using Artificial Intelligence to Reduce Technology Interference During Early Childhood: Cross-sectional Online Survey.** *Journal of medical Internet research*

- Glassman, J., Humphreys, K., Yeung, S., Smith, M., Jauregui, A., Milstein, A., Sanders, L.
2021; 23 (3): e19461
- **Influence of a COVID-19 vaccine's effectiveness and safety profile on vaccination acceptance.** *Proceedings of the National Academy of Sciences of the United States of America*
Kaplan, R. M., Milstein, A.
2021; 118 (10)
 - **Caring for Caregivers** *NEJM Catalyst*
Wong, V., Rosenbaum, S., Sung, W., Kaplan, R. M., Bott, N., Platchek, T., Milstein, A., Shah, N. R.
2021
 - **Estimating health care delivery system value for each US state and testing key associations.** *Health services research*
Dieleman, J. L., Kaldjian, A. S., Sahu, M., Chen, C., Liu, A., Chapin, A., Scott, K. W., Aravkin, S., Zheng, P., Mokdad, A., Murray, C. J., Schulman, K., Milstein, et al
2021
 - **A Cost Comparison of Cataract Surgeries in Three Countries — United States, India, and Nepal** *NEJM Catalyst|Innovations in Care Delivery*
Xue, J., Hinkle, J., Reeves, M., Zheng, L., Natarajan, V., Vyas, S., Upreti Oli, R., Oliva, M., Kaplan, R. S., Milstein, A., Tabin, G., Goldberg, J. L., Schulman, et al
2021; 2
 - **Mothers of children with major congenital anomalies have increased health care utilization over a 20-year post-birth time horizon.** *PloS one*
Shah, N. R., Kim, K. M., Wong, V., Cohen, E., Rosenbaum, S., Cahan, E. M., Milstein, A., Sorensen, H. T., Horvath-Puho, E.
2021; 16 (12): e0260962
 - **Quantifying Parkinson's disease motor severity under uncertainty using MDS-UPDRS videos.** *Medical image analysis*
Lu, M., Zhao, Q., Poston, K. L., Sullivan, E. V., Pfefferbaum, A., Shahid, M., Katz, M., Kouhsari, L. M., Schulman, K., Milstein, A., Niebles, J. C., Henderson, V. W., Fei-Fei, et al
2021; 73: 102179
 - **Caring for Caregivers: Bridging the Gap Between Family Caregiving Policy and Practice** *NEJM Catalyst: Innovations in Care Delivery*
Wong, V., Rosenbaum, S., Sung, W., Kaplan, R. M., Bott, N., Platchek, T., Milstein, A., Shah, N. R.
2021; 2 (4)
 - **Ethical issues in using ambient intelligence in health-care settings.** *The Lancet. Digital health*
Martinez-Martin, N., Luo, Z., Kaushal, A., Adeli, E., Haque, A., Kelly, S. S., Wieten, S., Cho, M. K., Magnus, D., Fei-Fei, L., Schulman, K., Milstein, A.
2020
 - **Assessment of Electronic Health Record Use Between US and Non-US Health Systems.** *JAMA internal medicine*
Holmgren, A. J., Downing, N. L., Bates, D. W., Shanafelt, T. D., Milstein, A., Sharp, C. D., Cutler, D. M., Huckman, R. S., Schulman, K. A.
2020
 - **Assessing the accuracy of automatic speech recognition for psychotherapy.** *NPJ digital medicine*
Miner, A. S., Haque, A., Fries, J. A., Fleming, S. L., Wilfley, D. E., Terence Wilson, G., Milstein, A., Jurafsky, D., Arnow, B. A., Stewart Agras, W., Fei-Fei, L., Shah, N. H.
2020; 3: 82
 - **Computer vision's potential to improve health care.** *Lancet (London, England)*
Milstein, A., Topol, E. J.
2020; 395 (10236): 1537
 - **Association Between HEDIS Performance and Primary Care Physician Age, Group Affiliation, Training, and Participation in ACA Exchanges.** *Journal of general internal medicine*
Glassman, J. R., Hopkins, D. S., Bundorf, M. K., Kaplan, R. M., Ragavan, M. V., Glaseroff, A. n., Milstein, A. n.
2020
 - **Health Care Is Failing the Most Vulnerable Patients: Three Underused Solutions.** *Public health reports (Washington, D.C. : 1974)*
Rochlin, D. H., Lee, C. M., Scheuter, C. n., Platchek, T. n., Kaplan, R. M., Milstein, A. n.
2020: 33354920954496
 - **Illuminating the dark spaces of healthcare with ambient intelligence.** *Nature*

- Haque, A. n., Milstein, A. n., Fei-Fei, L. n.
2020; 585 (7824): 193–202
- **Slowing Medicare Spending by Optimizing Late-Life Needs** *NEJM CATALYST INNOVATIONS IN CARE DELIVERY*
Rinaldo, F., Altman, M., Cannon, K., Platchek, T., Shah, N. R., Kaplan, R. M., Milstein, A.
2020; 1 (4)
 - **Automatic detection of hand hygiene using computer vision technology.** *Journal of the American Medical Informatics Association : JAMIA*
Singh, A. n., Haque, A. n., Alahi, A. n., Yeung, S. n., Guo, M. n., Glassman, J. R., Beninati, W. n., Platchek, T. n., Fei-Fei, L. n., Milstein, A. n.
2020
 - **Effects of Mental Health on the Costs of Care for Chronic Illnesses.** *Psychiatric services (Washington, D.C.)*
Kaplan, R. M., Glassman, J. R., Millstein, A.
2019: appips201900098
 - **Cost impact of sobering centers on national health care spending in the United States.** *Translational behavioral medicine*
Scheuter, C., Rochlin, D. H., Lee, C., Milstein, A., Kaplan, R. M.
2019
 - **The Implications of "Medicare for All" for US Hospitals** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Schulman, K. A., Milstein, A.
2019; 321 (17): 1661–62
 - **Contributions of Health Care to Longevity: A Review of 4 Estimation Methods.** *Annals of family medicine*
Kaplan, R. M., Milstein, A.
2019; 17 (3): 267–72
 - **Improving the Value of Medical Care for Patients with Back Pain** *PAIN MEDICINE*
Wood, A., Matula, S. R., Huan, L., Linos, E., Platchek, T., Milstein, A.
2019; 20 (4): 664–67
 - **A computer vision system for deep learning-based detection of patient mobilization activities in the ICU.** *NPJ digital medicine*
Yeung, S., Rinaldo, F., Jopling, J., Liu, B., Mehra, R., Downing, N. L., Guo, M., Bianconi, G. M., Alahi, A., Lee, J., Campbell, B., Deru, K., Beninati, et al
2019; 2: 11
 - **Stress Disorders and Dementia in the Danish Population** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Gradus, J. L., Horvath-Puho, E., Lash, T. L., Ehrenstein, V., Tamang, S., Adler, N. E., Milstein, A., Glymour, M., Henderson, V. W., Sorensen, H. T.
2019; 188 (3): 493–99
 - **Economic Benefit of "Modern" Nonemergency Medical Transportation That Utilizes Digital Transportation Networks** *AMERICAN JOURNAL OF PUBLIC HEALTH*
Rochlin, D. H., Lee, C., Scheuter, C., Milstein, A., Kaplan, R. M.
2019; 109 (3): 472–74
 - **Systems Delivery Innovation for Alzheimer Disease** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
Bott, N. T., Sheckter, C. C., Yang, D., Peters, S., Brady, B., Plowman, S., Borson, S., Leff, B., Kaplan, R. M., Platchek, T., Milstein, A.
2019; 27 (2): 149–61
 - **Exploring Care Attributes of Nephrologists Ranking Favorably on Measures of Value.** *Journal of the American Society of Nephrology : JASN*
Brady, B. M., Ragavan, M. V., Simon, M. n., Chertow, G. M., Milstein, A. n.
2019
 - **Making Machine Learning Models Clinically Useful.** *JAMA*
Shah, N. H., Milstein, A. n., Bagley PhD, S. C.
2019
 - **Perspectives of Health Care Payer Organizations on Cancer Care Delivery Redesign: A National Study.** *Journal of oncology practice*
Patel, M. I., Moore, D., Bhattacharya, J., Milstein, A., Coker, T. R.
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- **Systems Delivery Innovation for Alzheimer Disease.** *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*
Bott, N. T., Sheckter, C. C., Yang, D., Peters, S., Brady, B., Plowman, S., Borson, S., Leff, B., Kaplan, R. M., Platchek, T., Milstein, A.
2018
- **Patient-Reported Experiences of Dialysis Care Within a National Pay-for-Performance System.** *JAMA internal medicine*
Brady, B. M., Zhao, B., Niu, J., Winkelmayer, W. C., Milstein, A., Chertow, G. M., Erickson, K. F.
2018
- **Cardiovascular Disease Among Women Who Gave Birth to an Infant With a Major Congenital Anomaly** *JAMA NETWORK OPEN*
Cohen, E., Horvath-Puho, E., Ray, J. G., Pedersen, L., Ehrenstein, V., Adler, N., Vigod, S., Milstein, A., Sorensen, H.
2018; 1 (5)
- **Effect of a Lay Health Worker Intervention on Goals-of-Care Documentation and on Health Care Use, Costs, and Satisfaction Among Patients With Cancer: A Randomized Clinical Trial.** *JAMA oncology*
Patel, M. I., Sundaram, V., Desai, M., Periyakoil, V. S., Kahn, J. S., Bhattacharya, J., Asch, S. M., Milstein, A., Bundorf, M. K.
2018
- **Social isolation and all-cause mortality: a population-based cohort study in Denmark** *SCIENTIFIC REPORTS*
Laugesen, K., Baggesen, L., Schmidt, S., Glymour, M., Lasgaard, M., Milstein, A., Sorensen, H., Adler, N. E., Ehrenstein, V.
2018; 8: 4731
- **Critical Lessons From High-Value Oncology Practices** *JAMA ONCOLOGY*
Blayney, D. W., Simon, M. K., Podtschaske, B., Ramsey, S., Shyu, M., Lindquist, C., Milstein, A.
2018; 4 (2): 164–71
- **Bedside Computer Vision - Moving Artificial Intelligence from Driver Assistance to Patient Safety.** *The New England journal of medicine*
Yeung, S. n., Downing, N. L., Fei-Fei, L. n., Milstein, A. n.
2018; 378 (14): 1271–73
- **Tool Detection and Operative Skill Assessment in Surgical Videos Using Region-Based Convolutional Neural Networks**
Jin, A., Yeung, S., Jopling, J., Krause, J., Azagury, D., Milstein, A., Li Fei-Fei, IEEE
IEEE.2018: 691–99
- **The Association of ICU Acuity With Outcomes of Patients at Low Risk of Dying.** *Critical care medicine*
Vranas, K. C., Jopling, J. K., Scott, J. Y., Badawi, O. n., Harhay, M. O., Slatore, C. G., Ramsey, M. C., Breslow, M. J., Milstein, A. S., Kerlin, M. P.
2018; 46 (3): 347–53
- **Possibilities Beyond Analyses of a Fee-for-Service Database and Clinician Mindset** *ANNALS OF INTERNAL MEDICINE*
Leff, B., Milstein, A.
2017; 167 (10): 746–+
- **Exploring Attributes of High-Value Primary Care** *ANNALS OF FAMILY MEDICINE*
Simon, M., Choudhry, N. K., Frankfort, J., Margolius, D., Murphy, J., Paita, L., Wang, T., Milstein, A.
2017; 15 (6): 529–34
- **Dementia Care, Women's Health, and Gender Equity: The Value of Well-Timed Caregiver Support.** *JAMA neurology*
Bott, N. T., Sheckter, C. C., Milstein, A. S.
2017
- **Improving the Value of Medical Care for Patients with Back Pain.** *Pain medicine (Malden, Mass.)*
Wood, A., Matula, S. R., Huan, L., Linos, E., Platchek, T., Milstein, A.
2017
- **Redesigning Cancer Care Delivery: Views From Patients and Caregivers.** *Journal of oncology practice*
Patel, M. I., Periyakoil, V. S., Blayney, D. W., Moore, D., Nevedal, A., Asch, S., Milstein, A., Coker, T. R.
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- **Getting Real about Health Care Costs - A Broader Approach to Cost Stewardship in Medical Education.** *The New England journal of medicine*
Parikh, R. B., Milstein, A., Jain, S. H.

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- **Achieving higher-value obstetrical care.** *American journal of obstetrics and gynecology*
Woo, V. G., Lundeen, T., Matula, S., Milstein, A.
2017; 216 (3): 250 e1-250 e14
- **Reply to E.C. Winkler et al.** *Journal of clinical oncology*
Kaplan, R. M., Milstein, A.
2017; 35 (4): 468-?
- **Predicting patient 'cost blooms' in Denmark: a longitudinal population-based study.** *BMJ open*
Tamang, S., Milstein, A., Sørensen, H. T., Pedersen, L., Mackey, L., Betterton, J., Janson, L., Shah, N.
2017; 7 (1)
- **Identifying Distinct Subgroups of ICU Patients: A Machine Learning Approach.** *Critical care medicine*
Vranas, K. C., Jopling, J. K., Sweeney, T. E., Ramsey, M. C., Milstein, A. S., Slatore, C. G., Escobar, G. J., Liu, V. X.
2017; 45 (10): 1607-15
- **Talking to Machines About Personal Mental Health Problems.** *JAMA*
Miner, A. S., Milstein, A. n., Hancock, J. T.
2017; 318 (13): 1217-18
- **Detecting organisational innovations leading to improved ICU outcomes: a protocol for a double-blinded national positive deviance study of critical care delivery.** *BMJ open*
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2017; 7 (6): e015930
- **Birth Center Model of Care.** *JAMA*
Woo, V. G., Milstein, A. n., Platchek, T. n.
2017; 317 (6): 646
- **Individualized Acute Medical Care for Cognitively Impaired Individuals: A Call Always to Pause Before Hospitalization.** *Journal of the American Geriatrics Society*
Sheckter, C. C., Bott, N. T., Milstein, A. n., Leff, B. n.
2017
- **Association Between the Birth of an Infant With Major Congenital Anomalies and Subsequent Risk of Mortality in Their Mothers** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Cohen, E., Horvath-Puho, E., Ray, J. G., Pedersen, L., Adler, N., Ording, A. G., Wise, P. H., Milstein, A., Sorensen, H. T.
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- **Using ICU Congestion as a Natural Experiment.** *Critical care medicine*
Jopling, J. K., Baiocchi, M., Milstein, A.
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- **Opportunities to Improve the Value of Outpatient Surgical Care** *AMERICAN JOURNAL OF MANAGED CARE*
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- **Multistakeholder recommendations for improving value of spine care: Key themes from a roundtable discussion at the 2015 NASS Annual Meeting.** *spine journal*
Weeks, W. B., Ventura, J., Justice, B., Hsu, E., Milstein, A.
2016; 16 (7): 801-804
- **Smartphone-Based Conversational Agents and Responses to Questions About Mental Health, Interpersonal Violence, and Physical Health** *JAMA INTERNAL MEDICINE*
Miner, A. S., Milstein, A., Schueller, S., Hegde, R., Mangurian, C., Linos, E.
2016; 176 (5): 619-625
- **Better health, less spending: Redesigning the transition from pediatric to adult healthcare for youth with chronic illness.** *Healthcare (Amsterdam, Netherlands)*

- Vaks, Y., Bensen, R., Steidtmann, D., Wang, T. D., Platchek, T. S., Zulman, D. M., Malcolm, E., Milstein, A.
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- **Delivery Models for High-Risk Older Patients: Back to the Future?** *JAMA*
Powers, B. W., Milstein, A., Jain, S. H.
2016; 315 (1): 23-4
 - **Hospital-Affiliated Outpatient Birth Centers: A Possible Model for Helping to Achieve the Triple Aim in Obstetrics.** *JAMA*
Woo, V. G., Milstein, A. n., Platchek, T. n.
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 - **Financial Strain and Cancer Outcomes.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Kaplan, R. M., Milstein, A. n.
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Milstein, A.
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Toussaint, J., Krueger, D., Shortell, S. M., Milstein, A., Cutler, D. M.
2015; 3 (3): 150-152
 - **The Effect of Moving Carpal Tunnel Releases Out of Hospitals on Reducing United States Health Care Charges.** *journal of hand surgery*
Nguyen, C., Milstein, A., Hernandez-Boussard, T., Curtin, C. M.
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 - **Posttraumatic stress disorder and cancer risk: a nationwide cohort study** *EUROPEAN JOURNAL OF EPIDEMIOLOGY*
Gradus, J. L., Farkas, D. K., Svensson, E., Ehrenstein, V., Lash, T. L., Milstein, A., Adler, N., Sorensen, H. T.
2015; 30 (7): 563-568
 - **Redesigning Advanced Cancer Care Delivery: Three Ways to Create Higher Value Cancer Care.** *Journal of oncology practice / American Society of Clinical Oncology*
Patel, M. I., Moore, D., Milstein, A.
2015; 11 (4): 280-284
 - **Body Mass Index and Cognitive Function: Birth Cohort Effects in Young Men** *OBESITY*
Ehrenstein, V., Muenster, A. B., Milstein, A., Adler, N. E., Sorensen, H. T.
2015; 23 (5): 931-934
 - **Safety-Net Hospitals More Likely Than Other Hospitals To Fare Poorly Under Medicare's Value-Based Purchasing** *HEALTH AFFAIRS*
Gilman, M., Adams, E. K., Hockenberry, J. M., Milstein, A. S., Wilson, I. B., Becker, E. R.
2015; 34 (3): 398-405
 - **Time-driven activity-based costing of multivessel coronary artery bypass grafting across national boundaries to identify improvement opportunities: study protocol.** *BMJ open*
Erhun, F., Mistry, B., Platchek, T., Milstein, A., Narayanan, V. G., Kaplan, R. S.
2015; 5 (8)
 - **Time-driven activity-based costing of multivessel coronary artery bypass grafting across national boundaries to identify improvement opportunities: study protocol.** *BMJ open*
Erhun, F., Mistry, B., Platchek, T., Milstein, A., Narayanan, V. G., Kaplan, R. S.
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 - **Associations between stress disorders and cardiovascular disease events in the Danish population.** *BMJ open*
Gradus, J. L., Farkas, D. K., Svensson, E., Ehrenstein, V., Lash, T. L., Milstein, A., Adler, N., Sørensen, H. T.

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- **Better Health, Less Spending Delivery Innovation for Ischemic Cerebrovascular Disease** *STROKE*
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- **What can be achieved by redesigning stroke care for a value-based world?** *Expert review of pharmacoeconomics & outcomes research*
Tai, W., Kalanithi, L., Milstein, A.
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- **California Safety-Net Hospitals Likely To Be Penalized By ACA Value, Readmission, And Meaningful-Use Programs** *HEALTH AFFAIRS*
Gilman, M., Adams, E. K., Hockenberry, J. M., Wilson, I. B., Milstein, A. S., Becker, E. R.
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- **Professional organizations' role in supporting physicians to improve value in health care.** *JAMA*
Marcotte, L., Moriates, C., Milstein, A.
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