

Arnold Milstein, MD, MPH

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Personal Information

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Educational Background

B.A.	Harvard University	Economics	1967
M.D.	Tufts University	Medicine	1971
Internship	Mount Zion Hospital, SF	Medicine and Psychiatry	1972
Residency	Mount Zion Hospital, SF	Psychiatry	1974
M.P.H.	Univ. of California, Berkeley	Health Care Evaluation	1975

Professional Certification

Licensed Physician	California Board of Medical Quality Assurance	Medicine
Board Certification	American Board of Psychiatry	Psychiatry and Neurology
Board Certification	American Board of Quality Assurance Utilization Review	

Employment

Professor of Medicine and Clinical Excellence Research Center Director, Stanford University, July 2010 to present

Worldwide Partner and U.S. Health Care Thought Leader, Mercer Human Resource Consulting, August 1986 to July 2010

Founder and President, National Medical Audit, a global consultancy acquired by Mercer, specializing in the design and evaluation of health care performance management methods, December 1984 to July 2010

Chief Medical Advisor, Health Care Financing Administration, Region IX, January 1982 to December 1984

Director, Division of Professional Standards Review, Health Care Financing Administration, Region IX, January 1977 to December 1981

Regional Program Consultant for HSA Development, U.S. Public Health Service, Region IX, February 1976 to December 1976

Private medical practice in inpatient and office-based psychiatry, 1974 to 1988

Research Assistant, Department of Economics, Harvard University, Cambridge, Massachusetts, June 1965 to July 1967

Honors and Awards

Annual Vaughn Lecturer, Brigham and Women's Hospital, Harvard Medical School2018

UC Berkeley School of Public Health Right Care Initiative Award2018

Faculty Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford..... 2013-19

Annual Kassirer Lecture, Tufts University School of Medicine2013

Invited to White House to directly advise U.S. President Barak Obama on design and incentivization of health care innovations to generate better outcomes at a lower cost.....2012

Annual Elliott M. Stone Award for excellence in national health data leadership, National Association of State Health Data Organizations2009
'For charting the rough seas of health care performance transparency'

Annual Founders' Award, American College of Medical Quality.....2009
'...in recognition of national leadership and exceptional ability to bring constituencies together to improve care quality for populations...'

Elected to National Academy of Medicine, National Academy of Sciences.....	2006
Annual Award for Excellence and Innovation in Value Purchasing, National Business Group on Health	2005
‘...for tireless pursuit of health system improvements, defining the leading edge while making things happen in the real world...’	
Invited to White House to directly advise U.S. President George W Bush on accelerating nationwide uptake of electronic health records.....	2004
Annual Keystone Award Winner, World at Work.....	2004
‘...for innovation and effectiveness in improving the value of U.S. health care...’	
Rosenthal Lecturer, National Academy of Medicine, National Academy of Sciences	1998
‘accelerating health care performance improvement...’	
U.S. Public Health Service Commendation Medal.....	1981
U.S. Public Health Service Plaque	1980
Mount Zion Hospital <u>Mark Berke Prize</u>	1974
‘the house officer best exemplifying the qualities of the complete physician.’	
National Institute of Mental Health Career Development Fellowship.....	1972
Graduation with honors, Harvard College	1967
Honorary Harvard College Scholarship	1964

Consultation and Professional Activities: Ongoing

Co-chair, *Nature Medicine* international scientific competition to demonstrate better clinical outcomes and lower health care spending through scientifically peer reviewed applications of artificial intelligence to health care, 2019 to present

Advisory Board Member, Fred Hutchinson Cancer Center Research Institute, 2015 to present

Member, Stanford University Committee on Faculty and Staff Human Resources, 2012 to present

Board Member, Intermountain Health Care, Salt Lake City, 2011 to present

Physician Advisor, Mercer Health & Benefits, July 2010 to present

Invited to prepare expert testimony for nine U.S. Senate and House hearings on federal policies to improve U.S. health care system performance, 1999 to present

Co-founder, The Leapfrog Group, and chair, Leapfrog expert clinical advisory committee, 1999 to present

Strategic advisor on adoption of higher value health care innovations, Boeing, Lowe's stores, Walmart and multiple other large U.S. health care purchasers, 1998 to present

Speaker, meetings on health care efficiency improvement, health care value improvement, health care information technology, volume-outcome relationships, engineering applications in health care, alternative medicine, and federal health research priorities, National Academy of Medicine and National Academy of Engineering, 1998 to present

Reviewer, New England Journal of Medicine, Journal of the American Medical Association, Health Affairs, and multiple National Academy of Medicine reports, 1997 to present

Founding staff member and Medical Director, Purchaser Business Group on Health, the largest U.S. national health care purchasers coalition, 1988 to present

Consultation and Professional Activities: Previous

Advisory Board Member, California Governor's Precision Medicine Initiative, 2017 to 2020

Co-Chair, National Academy of Medicine, Advisory Group to GAO on Use of Clinical Registries to Improve Physician Performance, 2013 to 2015

Board Member, Institute for Healthcare Improvement, May 2012 to Dec 2022

Contributing Member, US Department of Health and Human Services (HHS) Multiple Chronic Conditions (MCC) Expert Steering Committee, 2011 to 2012

Workgroup Member, National Academy of Medicine/ National Academy of Engineering Initiative to Apply Systems Engineering to Health Care, 2010-2011

Board Member, ThedaCare Center for Healthcare Value, Appleton, 2009 to 2019

Chair, Planning Committee, National Academy of Medicine series on improving the efficiency of U.S. care delivery, 2009 to 2010

Member, Health economics advisory committee, White House Office of Health Reform, 2008 to 2010

Member, National Advisory Council, RWJF Aligning Forces for Quality Initiative, 2006 to 2015

Chair and co-founder (2001), Steering Committee for IHA California-wide Physician Group Pay-for-Performance Program, 2006 to 2014

Member, National Quality Forum, Ambulatory Care Measures Committee, 2005 to 2009

Advisor to the President of the United States, health care information technology policy, 2004

Board Member, National Partnership for Women and Families, 2004 to 2018

Board Member, AHRQ HCUP quality measures advisory board, 2004 to 2015

Commissioner, United States Congress Medicare Payment Advisory Commission (MedPAC), 2004 to 2010

Policy Advisory Committee Member, Rand ACOVE Study, 2003 to 2007

Expert Testimony, Federal Trade Commission, three hearings on competition in health care, 2003-2004

Expert Advisory Board, Harvard Partners Center for Information Technology Leadership, 2003

Founding Board Member, Bridges-to-Excellence national physician pay-for-performance program, 2003 to 2005

Co-founder and Medical and Scientific Director, Consumer-Purchaser Disclosure Project, 2001 to 2014

Member, National Advisory Council, RWJ/IHI Pursuing Perfection initiative, 2001 to 2005

Member, National Quality Forum Strategic Advisory Council and Measures Priority Workgroup, 2001 to 2005

Member, Performance Measures Coordinating Council, JCAHO/NCQA/AMA, 1999 to 2000

Member, Committee on Children's Health Insurance, National Academy of Medicine, National Academy of Sciences, 1998 to 1999

Founding Board Member, National Health Care Purchasing Initiative, 1997 to 2002

Founding Board Member, The Leapfrog Group, 1997-2007

Member, Medical Advisory Group, Foundation for Accountability (FACCT), 1996 to 2000

Board Member, The Medical Quality Commission, 1996 to 1998

Member, University of California Commission on the Future of Medical Education, 1996 to 1997

Member, NCQA Committees on Performance Measurement and Accreditation, 1995 to 2005

Trustee, San Francisco University High School, 1994 to 2000

Trustee, UCSF-Mount Zion Hospital, 1994 to 1999

Lead Consultant, ambulatory and inpatient care redesign, the Permanente Medical Group, 1994 to 1997

Editorial Board, Medical Outcomes and Guidelines, Faulkner & Gray, 1993 to 1998

Advisor, White House Health Care Reform Task Force, 1993

Member, Committee on Utilization Management, National Academy of Medicine, National Academy of Sciences, 1988 to 1990

Medical Director, Department of Defense CHAMPUS prepaid psychiatric quality monitoring project, May 1987 to 1993

Associate Clinical Professor, University of California at San Francisco, July 1986 to 2010

Editor, "Review Decisions," a bi-monthly utilization management case analysis published in Medical Utilization Review, McGraw-Hill Publications, April 1986 to 1990

Medical Director, National SuperPRO project, July 1985 to 1992

Member, California Chamber of Commerce Task Force on Preferred Provider Organizations and Utilization Review Programs, 1983

Assistant Clinical Professor, University of California at San Francisco, December 1980 to 1986

Chairman, Skilled Nursing Facility Subcommittee, California State Psychiatric Association, September 1976 to 1979

Consultant, Planning Task Force, California Conference of Local Mental Health Directors, September 1975 to December 1976

Consultant in clinical program evaluation, Rand Corporation, July 1974 to 1977

Scholarly Publications

A. Peer reviewed journal articles

1. Kim, KM, **Milstein A** et al; [Association between maternal employment status and presence of children with major congenital anomalies in Denmark](#). *BMC Public Health* 24, 715 (2024). <https://doi.org/10.1186/s12889-024-18190-w>, Mar 6 2024
2. Durante Z, Sarkar B, Gong R, Taori R, Noda Y, Tang P, Adeli E, Lakshmikanth SK, Schulman K, **Milstein A**, Terzopoulos D, Famoti A, Kuno N, Llorens A, Vo H, Ikeuchi K, Li F, Gao J, Wake N, Huang Q; [An Interactive Agent Foundation Model](#); *arXiv:2402.05929* 8 Feb 2024
3. Pi S, Masterson J, Ma SP, Corbin CK, **Milstein A**, Chen JH; [Using Case Mix Index within Diagnosis-Related Groups to Evaluate Variation in Hospitalization Costs at a Large Academic Medical Center](#); *AMIA Annu Symp Proc.* 2024 Jan 11;2023:1201-1208. PMID: 38222372; PMCID: PMC10785921
4. Aklilu JG, Sun MW, Goel S, Bartoletti S, Rau A, Olsen G, Hung KS, Yeung-Levy S, Jopling J, **Milstein A** et al; [Artificial Intelligence Identifies Factors Associated with Blood Loss and Surgical Experience in Cholecystectomy](#); *Published January 25, 2024, NEJM AI* 2024;1(2) DOI: 10.1056/AIoa23000
5. Teasdale B, Kucera K, Light D, Nailor J, Williams S, **Milstein A**, Schulman KA; [Safety vs Price in the Generic Drug Market: Metformin](#); *Am J Manag Care.* 2024;30(4):294-e301 October 31 2023
6. Glassman JR, Jauregui A, **Milstein A**, Kaplan RM; [Caring for People With Depression: Costs Among 43 Million Commercially Insured Patients With or Without Comorbid Illnesses](#); *Annals of Behavioral Medicine*, 2023, kaac063, <https://doi.org/10.1093/abm/kaac063>
7. Choudhry NK, Fifer S, Fontanet CP, Archer KR, Sears E, Bhatkhande G, Haff N, Ghazinouri R, Coronado RA, Schneider BJ, Butterworth SW, Deogun H, Cooper A, Hsu E, Block S, Davidson CA, Shackelford CE, Goyal P, **Milstein A** and the SPINE CARE Investigators; [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* Dec 20 2022 doi:10.1001/jama.2022.22625
8. Conner AL, Podtschaske BV, Mazza MC, Zions DL, Malcolm EJ, Thomson CC, Singer SJ, **Milstein A**; Care teams misunderstand what most upsets patients about their care; *Healthcare, Volume 10, Issue 4, Dec 2022, 100657* <https://doi.org/10.1016/j.hjdsi.2022.100657>; [Link](#)
9. Miner A.S., Fleming, S.L., Haque A, Fries JA, Althoff T, Wilfley DE, Agras WS, **Milstein A**, Hancock J, Asch SM, Stirman SW, Arnow BA, Shah NH; A computational approach to measure the linguistic characteristics of psychotherapy timing, responsiveness, and consistency; *npj Mental Health Res* 1, 19 (2022). doi.org/10.1038/s44184-022-00020-9; [Link](#)
10. Fifer S, Choudhry NK, Brod M, Hsu E, **Milstein A**; Improving adherence to guidelines for spine pain care: what tools could support primary care clinicians in conforming to guidelines?; *BMJ Open Quality* 27 July 2022 doi:10.1136/bmjopen-2022-001868; [Link](#)
11. Termglinchan V, Daswani S, Duangtaweesub P, Assavapokee T, **Milstein A**, Schulman K; Identifying solutions to meet unmet needs of family caregivers using human-centered design; *BMC Geriatrics*, Feb 2, 2022 <https://doi.org/10.1186/s12877-022-02790-5>; [Link](#)
12. Scheinker D, **Milstein A**, Schulman K; The Dysfunctional Health Benefits Market and Implications for US Employers and Employees, *JAMA Viewpoint*, Jan 7, 2022, [Link](#)

13. Shah, N. R., Kim, K. M., Wong, V., Cohen, E., Rosenbaum, S., Cahan, E. M., **Milstein, A.**, Sorensen, H. T., Horvath-Puho, E. Mothers of children with major congenital anomalies have increased health care utilization over a 20-year post-birth time horizon. *December 8, 2021, PLOS ONE* <https://doi.org/10.1371/journal.pone.0260962>; [Link](#)
14. Lu M, Zhao Q, Poston KL, Sullivan EV, Pfefferbaum A, Shahid M, Katz M, Kouhsari LM, Schulman K, **Milstein A**; Niebles JC, Henderson VW, Fei-Fei L, Poh KM, Adeli E. Quantifying Parkinson's disease motor severity under uncertainty using MDS-UPDRS videos. *Medical Image Analysis, Volume 73, October 2021 ISSN 1361-8415* <https://doi.org/10.1016/j.media.2021.102179>, [Link](#)
15. Choudhry NK, Fontanet CP, Ghazinoori R, Fifer S, Archer KR, Haff N, Butterworth SW, Deogun H, Block S, Cooper A, Sears E, Goyal P, Coronado RA, Schneideri BJ, Hsu E, **Milstein A**. 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. *October 17, 2021, Elsevier Science Direct* <https://doi.org/10.1016/j.cct.2021.106602>; [Link](#)
16. Xue J, Hinkle J, Reeves MG, Zheng LL, Natarajan V, Vyas S, Upreti R, Oliva M, Kaplan RS, **Milstein A**, Tabin G, Goldberg JL, Schulman K. A Cost Comparison of Cataract Surgeries in Three Countries — United States, India, and Nepal. *NEJM Catalyst, Sept 2021* <https://doi.org/10.1056/CAT.21.0151>; [Link](#)
17. Wong V, Pham M, Godfrey K, **Milstein A**. Distilling innovative US autism care programs that address widely perceived unmet patient and family needs. *National Autistic Society, July 2, 2021* <https://doi.org/10.1177/13623613211102>; [Link](#)
18. Dieleman JL, Kaldjian AS, Sahu M, Chen C, Liu A, Chapin A, Scott KW, Aravkin S, Zheng P, Kokdad A, Murray CJL, Schulman KA, **Milstein A**. Estimating health care delivery system value for each US state and testing key associations. *Health Services Research, 2021; 1-11. May 24, 2021*; [Link](#)
19. Scheinker D, Richman BD, **Milstein A**, Schulman KA. Reducing administrative costs in US health care: Assessing single payer and its alternatives. *Health Services Research, Mar 31, 2021*, [Link](#)
20. Glassman J, Humphreys K, Yeung S, Smith M, Jauregui A, **Milstein A**, Sanders L. Parents' Perspectives on Using Artificial Intelligence to Reduce Technology Interference During Early Childhood: Cross-sectional Online Survey. *J Med Internet Res 2021;23(3):e19461*, [Link](#) DOI: 10.2196/19461
21. Wong V, Rosenbaum S, Sung W, Kaplan RM, Bott N, Platchek T, **Milstein A**, Shah NR. Caring for Caregivers: Bridging the Gap Between Family Caregiving Policy and Practice. *NEJM Catalyst, April 2021*, <https://doi.org/10.1056/CAT.20.0578>; [Link](#)
22. Kaplan RM, **Milstein A**. Influence of a COVID-19 Vaccine's Effectiveness and Safety Profile on Vaccination Acceptance. *Proceedings of the National Academy of Sciences of the US, Feb 22, 2021*; <https://doi.org/10.1073/pnas.2021726118>
23. Martinez-Martin N, Luo Z, Kaushal A, Adeli E, Haque A, Kelly SS, Wieten S, Cho MK, Mangus D, Fei-Fei L, Schulman K, **Milstein A**. Ethical issues in using ambient intelligence in health-care settings. *The Lancet, Digital Health, Dec 30, 2020*; [https://doi.org/10.1016/S2589-7500\(20\)30275-2](https://doi.org/10.1016/S2589-7500(20)30275-2)
24. Holmgren AJ, Downing NL, Bates DW, Shanafelt TD, **Milstein A**, Sharp CD, Cutler DM, Huckman RS, Shulman KA. Assessment of Electronic Health Record Use Between US and Non-US Health Systems. *JAMA Internal Med, Dec 14, 2020*; <https://doi.org/10.1001/jamainternmed.2020.7071>
25. Rochlin DH, Lee CM, Scheuter C, Platchek T, Kaplan RM, **Milstein A**. Health Care is Failing the Most Vulnerable Patients-Three Underused Solutions. *Public Health Reports 00(0) 1-6, Sept 2020*; DOI: 10.1177/0033354920954496

26. Haque A, **Milstein A**, Fei-Fei L. Illuminating the dark spaces of healthcare with ambient intelligence. *Nature*, Sept 10, 2020, Vol 585, p 193-2020, <https://doi.org/10.1038/s41586-020-2669-y>
27. Singh A, Haque A, Alahi A, Yeung S, Guo M, Glassman JR, Bininati W, Platchek T, Fei-Fei L, **Milstein A**. Automatic detection of hand hygiene using computer vision technology. *AMIA July 26, 2020, Brief Communications*, [doi: 10.1093/jamia/ocaa115](https://doi.org/10.1093/jamia/ocaa115)
28. Rinaldo F, Altman M, Cannon K, Platchek T, Shah NR, Kaplan RM, **Milstein A**. Slowing AQRW-Medicare Spending by Optimizing Late-Life Needs. *NEJM Catalyst-Innovations in Care Delivery*, Vol.1 No.4, June 17, 2020. [DOI: 10.1056/CAT.20.0290](https://doi.org/10.1056/CAT.20.0290)
29. Miner AS, Haque A, Fries J, Fleming SL, Wilfley D, Wilson GT, **Milstein A**, Jurafsky D, Arnow BA, Agras WS, L Fei-Fei, Shah N. Assessing the accuracy of automatic speech recognition for psychotherapy. *Nature Digital Medicine*. June 3, 2020. <https://doi.org/10.1038/s41746-020-0285-8>
30. **Milstein A**, Topal EJ. Computer vision's potential to improve health care. *The Lancet*, vol 395, p 1537, May 16, 2020, [https://doi.org/10.1016/S0140-6736\(20\)31090-4](https://doi.org/10.1016/S0140-6736(20)31090-4)
31. Erhun F, Kaplan RS, Naryanan VG, Brayton K, Kalani M, Mazza MC, Nguyen C, Platchek T, Mistry B, Mann R, Kazi D, Pinnock C, Schulman KA, Xue J, Ballard D, Mack M, James B, Poulsen G, Punnen J, Shetty D, **Milstein A**. Are cost advantages from a modern Indian hospital transferable to the United States? *American Heart Journal*, May 2020; <https://doi.org/10.1016/j.ahj.2020.04.009>
32. Glassman JR, Hopkins, DSP, Bundorf MK, Kaplan RM, Ragavan MV, Glaserof A, **Milstein A**. Association Between HEDIS Performance & Primary Care Physician Age, Group Affiliation, Training, and Participation in ACA Exchanges. *Journal of General Internal Medicine, JGIM*; [DOI: 10.1007/s11606-020-05642-3](https://doi.org/10.1007/s11606-020-05642-3); online: Jan 23, 2020
33. Brady BM, Ragavan MV, Simon M, Chertow GM, **Milstein A**. Exploring Care Attributes of Nephrologists Ranking Favorably on Measures of Value. <https://doi.org/10.1681/ASN.2019030219>; *Clinical Research JASN*, December 30, 2019
34. Knight GM, Schulman K, **Milstein A**, Rea S, Malloy G, Khaliq U, Scheinker D. A Transparent, Mathematical Model to Evaluate Proposals for Healthcare Reform. *Health Management Policy and Innovation*, December, 2019, Volume 4, Issue 3; [Link](#)
35. Kaplan RM, Glassman JR, **Milstein A**. Effects of Mental Health on the Costs of Care for Chronic Illnesses. *Psychiatric Services* 10.11, Nov 2019 [Link](#)
36. Shah NH, **Milstein A**, Bagley SC. Making Machine Learning Models Clinically Useful. *JAMA* August 8, 2019, *JAMA*. 2019;322(14):1351-1352. [doi:10.1001/jama.2019.10306](https://doi.org/10.1001/jama.2019.10306)
37. Scheuter C, Rochlin D, Lee CM, **Milstein A**, Kaplan RM. Cost impact of sobering centers on national health care spending in the United States. *TBM Original Research*, May 22, 2019 *Society of Behavioral Medicine*, [Link](#)
38. Schulman KA, **Milstein A**. The Implications of “Medicare for All” for US Hospitals. *ViewPoint, Health Policy, JAMA*; May 9, 2019, Vol 321, No 17, Published Online: April 4, 2019. [doi:10.1001/jama.2019.3134](https://doi.org/10.1001/jama.2019.3134)
39. DeRienzo C, Barr M, Shah N, Milstein A. A Value Proposition for AI-Enabled Population Health Management. *HMPI-Health Management, Policy & Innovation*, May 2019, [Link](#)
40. Kaplan RM, **Milstein A**, Contributions of Health Care to Longevity: A Review of 4 Estimation Methods, 2019 *Annals Fam Med*[4] May/June 2019, [Link](#)
41. Yeung S, Rinaldo F, Jopling J, Liu B, Mehra R, Downing NL, Guo M, Bianconi G, Alahi A, Campbell B, Deru K, Beninati W, Fei-Fei L, **Milstein A**. A Computer vision system for dep

- learning-based detection of patient mobilization activities in the ICU. *Nature International Journal of Science: Digital Medicine*, March 1, 2019, [Link](#)
42. Rochlin D, Lee CM, Scheuter C, **Milstein A**, Kaplan RM. Economic Benefit of “Modern” Nonemergency Medical Transportation That Utilizes Digital Transportation Networks. *March 2019, vol 109, No.3; AJPH Open Themed Research*, [Link](#)
43. Bott NT, Shecker CC, Yang D, Peters S, Brady B, Plowman S, Borson S, Leff B, Kaplan RM Platchek T, **Milstein A**. Systems Delivery Innovation for Alzheimer Disease. *Am J Geriatr Psychiatry* 27:2; Feb 2019 pp149-161, [Link](#)
44. Gradus JL, Horvath-Puho E, Lash TL, Ehrenstein V, Tamag S, Adler NE, **Milstein A**, Glymour MM, Henderson VW, Sorensen HT. Stress Disorders and Dementia in the Danish Population. December 20, 2018, *American Journal of Epidemiology*, Vol 188, No. 3 [doi: 10.1093/aje/kwy269](#)
45. Patel M, Moore D, Bhattacharya J, **Milstein A**, Coker T. Perspectives of Health Care Payer Organizations on Cancer Care Delivery Redesign: A National Study. Nov 16, 2018, *2018 American Society of Clinical Oncology, Journal of Oncology Practice*, [jop.ascopubs.org](#)
46. Bott NT, Schekter CC, Yang D, Peters S, Brady B, Plowman, Borson S, Leff B, Kaplan RM, Platchek, T, **Milstein A**. Systems Delivery Innovation for Alzheimer Disease. *2018 American Association for Geriatric Psychiatry*; Sept 2018 Elsevier, [https://doi.org/10.1016/j.jagp.2018.09.015](#)
47. Brady BM, Zhao B, Niu J, Winkelmayer WC, **Milstein A**, Chertow GM, Erickson KF. Patient-Reported Experiences of Dialysis Care Within a National Pay-for-Performance System. *JAMA Intern Med*. Sept. 10, 2018. [doi:10.1001/jamainternmed.2018.3756](#)
48. Cohen E, Horváth-Puhó E, Ray JG, Pedersen L, Ehrenstein V, Adler N, Vigod S, **Milstein A**, Sørensen HT. Cardiovascular disease among women who gave birth to an infant with a major congenital anomaly. *Jama Network Open*, [doi: 10.1001/jamanetworkopen.2018.2320](#); Aug 10, 2018
49. Patel M, Sundaram V, Desai M, Periyakoil V, Kahn JS, Bhattacharya J, Asch S, **Milstein A**, Bundorf K. Effect of a Lay Health Worker Intervention on Goals-of Care Documentation and on Health Care Use, Costs, and Satisfaction Among Patients With Cancer. *JAMA-Oncology*_2018 [doi: 10.1001/jamaoncol.2018.2446](#); July 26, 2018
50. Yeung S, Downing NL, Li F, **Milstein A**. Bedside Computer Vision-Moving Artificial Intelligence from Driver Assistance to Patient Safety. *New England Journal of Medicine*, April 5, 2018, 378:1271-1273; [DOI: 10.1056/NEJMp1716891](#)
51. Vranas KC, Jopling JK, Scott JY, Badawi O, Harhay MO, Slatore CG, Ramsey MC, Breslow MJ, **Milstein AS**, Kerlin MP. The Association of ICU Acuity with Outcomes of Patients at Low Risk of Dying. *Late Breaker Articles, Critical Care Medicine* [www.ccmjournal.org](#), Mar 2018, Vol 46 No 3, 347-353, [Link](#)
52. Laugesen K, Baggesen KM, Jóhannesdóttir Schmidt SA, Glymour MM, Lasgaard M, **Milstein A**, Sørensen HT, Adler NE, Ehrenstein V. Social isolation and all-cause mortality: a population-based cohort study in Denmark. *Scientific Reports* 8, *Open Article* 4731(2018); March 16, 2018, [Link](#)
53. Simon M, Choudhry NK, Frankfort J, Margolius D, Murphy J, Paita L, Wang T and **Milstein A**. Exploring Attributes of High-Value Primary Care. *Annals of Family Medicine*, November/December 2017, vol 15 no. 6 529-534, [doi: 10.1370/afm.2153AnnFamMed](#)
54. Bianconi G M, Mehra R, Yeung S, Salipur F, Jopling J, Downing L, Haque A, Alahi A, Campbell B, Deru K, Beninati W, **Milstein A** and Li F. Vision-Based Prediction of ICU Mobility Care Activities using Recurrent Neural Networks. *ML4H: Machine Learning for Health, Proceedings of Neural Information Processing Systems (NIPS) 2017 Workshop (Spotlight Presentation)*, December 2017, Long Beach, CA

55. Jin A, Yeung S, Jopling J, Krause J, Azagury D, **Milstein A**, and Li F. Tool Detection and Operative Skill Assessment in Surgical Videos Using Region-Based Convolutional Neural Networks. *ML4H: Machine Learning for Health, Proceedings of Neural Information Processing Systems (NIPS) 2017 Workshop (Spotlight Presentation), December 2017, Long Beach, CA*
56. Guo M, Haque A, Yeung S, Jopling J, Downing L, Alahi A, Campbell B, Deru K, Beninati W, **Milstein A**, Li F. Viewpoint Invariant Convolutional Networks for Identifying Risky Hand Hygiene Scenarios. *Machine Learning for Health Workshop, Proceedings of Neural Information Processing Systems (NIPS) December 2017, Long Beach, CA*
57. Blayney D W, Simon M K, Podtschaske B, Ramsey S, Shyu M, Lindquist C, **Milstein A**. Critical Lessons From High-Value Oncology Practices. *JAMA Oncology* [doi:10.1001/jamaoncol.2017.3803](https://doi.org/10.1001/jamaoncol.2017.3803), Published online November 16, 2017
58. Leff B, **Milstein A**. Possibilities Beyond Analyses of a Fee-for-Service Database and Clinician Mindset. *Annals of Internal Medicine*. 2017;167(10):746-747. [DOI: 10.7326/M17-2627](https://doi.org/10.7326/M17-2627), Published at www.annals.org on 17 October 2017
59. Miner AS, **Milstein A**, Hancock JT. Talking to Machines About Personal Mental Health Problems. *JAMA* 2017, Oct 3;318(13):1217-1218. [doi: 10.1001/jama.2017.14151](https://doi.org/10.1001/jama.2017.14151).
60. Vranas KC, Jopling JK, Sweeney TC, Ramsey MC, **Milstein AS**, Slatore CG, Escobar GJ, Liu VX. Identifying Distinct Subgroups of ICU Patients: A Machine Learning Approach. *Critical Care Medicine*. [45\(10\):1607-1615](https://doi.org/10.1093/ccm.1607-1615). Oct 2017
61. Sheckter CC, Bott NT, **Milstein A**, Leff B. Individualized Acute Medical Care for Cognitively Impaired Individuals: A Call Always to Pause Before Hospitalization. *Journal of the American Geriatrics Society*, 2017, [DOI: 10.1111/jgs.15105](https://doi.org/10.1111/jgs.15105), *J Am Geriatr Soc*. 2017 Sep 27
62. Haque A, Guo M, Alahi A, Yeung S, Luo Z, Rege A, Singh A, Jopling J, Downing L, Beninati W, Platchek T, **Milstein A**, Li F. Towards Vision-Based Smart Hospitals: A System for Tracking and Monitoring Hand Hygiene Compliance; *Machine Learning in Healthcare Conference (MLHC), Proceedings of Machine Learning Research, August 2017*
63. Chiou H, Jopling J, Scott JY, Ramsey M, Vranas K, Wagner TH, **Milstein A**. Detecting organizational innovations leading to improved ICU outcomes: a protocol for a double-blinded national positive deviance study of critical care delivery. *BMJ Open* 2017. [Link](#)
64. Bott NT, Sheckter C, **Milstein A**. Dementia Care, Women's Health, and Gender Equity - The Value of Well-Timed Caregiver Support. *JAMA Neurology* 2017. May 8, 2017. [DOI: 10.1001/jamaneurol.2017.0403](https://doi.org/10.1001/jamaneurol.2017.0403)
65. Richman BD, Kitzman N, **Milstein A**, Schulman KA. Battling the Chargemaster: A Simple Remedy to Balance Billing for Unavoidable Out of Network Care. April 28, 2017, [Link](#)
66. Wood A, Matula SR, Huan L, Linos E, Platchek T, Milstein A. Improving the Value of Medical Care for Patients with Back Pain. *Pain Medicine*. Apr 17, 2017. *Pain Medicine*, pnx049, <https://doi.org/10.1093/pm/pnx049>
67. Patel MI, Periyakoil V, Blayney D, Moore D, Nevedal A, Asch S, **Milstein A**, Coker T. Redesigning Cancer Care Delivery: Views from Patients and Caregivers. *Journal of Oncology Practice*. April 1 2017. [DOI: 0.1200/JOP.2016.017327](https://doi.org/10.1200/JOP.2016.017327)
68. Parikh R, **Milstein A**, Jain S. Getting Real about Health Care Costs - A Broader Approach to Cost Stewardship in Medical Education. *New England Journal of Medicine* 2017; March 9, 2017. [DOI: 10.1056/NEJMp1612517](https://doi.org/10.1056/NEJMp1612517)
69. Woo VG, Lundeen T, Matula S, **Milstein A**. Achieving higher-value obstetrical care. *American Journal of Obstetrics & Gynecology*. 2017 Mar 1;216(3):250-e1 4. [doi: 10.1016/j.ajog.2016.12.033](https://doi.org/10.1016/j.ajog.2016.12.033)

70. Jopling JK, Baiocchi M, **Milstein A**. Using ICU Congestion as a Natural Experiment. *Society of Critical Care Medicine and Wolters Kluwer Health, Inc.* 2016 Oct; 44(10):1936-7. [Link](#)
71. Woo VG, **Milstein A**, Platchek T. Hospital-Affiliated Outpatient Birth Centers: A Possible Model for Helping To Achieve The Triple Aim In Obstetrics. *JAMA*. 2016 Oct 11;316(14): 1441-1442. [doi:10.1001/jama.2016.11770](#)
72. Erhun F, Malcolm M, Kalani M, Brayton K, Nguyen C, Asch S, Platchek T, **Milstein A**. Opportunities to Improve the Value of Outpatient Surgical care. *The American Journal of Managed Care*, September 1, 2016., [Link](#)
73. Puisol G, Esteva A, Hall SS, **Milstein A**, Li FF. Classification of Developmental Disorders Using Eye-Movements. Presentation, Vision-Based in the 19th International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI), Oct 17 2016.
74. Miner AS, **Milstein A**, Schueller, S, Hedge, R, Mangurian C, Linos E. Smartphone-based conversational agents and responses to questions about mental health, interpersonal violence, and physical health. *JAMA Internal Medicine*. May 1 2016. [Doi:10.1001/jamainternmed.2016.0400](#).
75. Kaplan, R.M., **Milstein A**. Financial strain and Cancer Outcomes. *Journal of Clinical Oncology*. March 2016. [Doi:10.1200/JCO.2016.66.8079](#).
76. Weeks WB, Ventura J, Justice B, Hsu E, **Milstein A**. Multistakeholder recommendations for improving value of spine care. *The Spine Journal*. February 17 2016. [Doi:10.1016/j.spinee.2016.02.031](#).
77. Powers BW, **Milstein A**, Jain SH. Delivery Models for High-Risk Older Patients Back to the Future? *JAMA*. January 5 2016;315(1):23-24., [Link](#)
78. Patel MI, **Milstein A**, Asch S, Kahn J. Will it take a trio to achieve the triple aim in cancer care? *Journal of Oncology Practice*. (New submission January 2016, in review). Not published
79. Gradus JL, Farkas DK, Svensson E, Ehrenstein V, Lash TL, **Milstein A**, Adler N, Sorensen HT. Associations between stress disorders and cardiovascular disease events in the Danish population. *BMJ Open*. Dec 14 2015;5(12):e009334., [Link](#)
80. Erhun F, Mistry B, Platchek T, **Milstein A**, Narayanan VG, Kaplan RS. Study Protocol: Time-driven Activity Based Costing of Multi-Vessel Coronary Artery Bypass Grafting Across National Boundaries to Identify Improvement Opportunities. *BMJ Open*. August 25 2015;5(8)., [Link](#)
81. Patel MI, Moore D, **Milstein A**. Redesigning Advanced Cancer Care Delivery: Three Ways to Create Higher Value Cancer Care. *Journal of Oncology Practice*. July 1 2015;11(4):280-4., [Link](#)
82. Johnston EM, Johnston KJ, Bae J, Hockenberry JM, Avgar AC, **Milstein A**, Liu S, Wilson I, Becker E. Impact of Hospital Characteristics on Patients' Experience of Hospital Care: Evidence from 14 States, 2009-2011. *Patient Experience Journal*. July 2015;2(2):15., [Link](#)
83. **Milstein A**. Precision Healthcare Efficiency. *JAMA Intern Med*. 2015 September 21;175(11):1825-27.
84. Toussaint J, Krueger D, Shortell SM, **Milstein A**, Cutler DM. ACO model should encourage efficient care delivery. *Healthcare*. July 23 2015;3:150-152.
85. Vaks Y, Bensen R, Steidtmann D, Wang TD, Platchek TS, Zulman DM, Malcolm E, **Milstein A**. Better health, less spending: Redesigning the transition from pediatric to adult healthcare for youth with chronic illness. *Healthcare: Journal of Delivery Science and Innovation*, October 21 2015. Elsevier.
86. Gilman M, Hockenberry JM, Adams K, **Milstein A**, Wilson IB, Becker ER. The Financial Impact of Value-Based Purchasing and the Hospital Readmissions Reduction Program on Safety-Net Hospitals in 2014. *Annals of Internal Medicine*. September 15 2015;163(6):427-36.

87. Gradus JL, Farkas DK, Svensson E, Ehrenstein V, Lash TL, **Milstein A**, Adler N, Sorensen HT. Posttraumatic stress disorder and cancer risk: a nationwide cohort study. *European Journal of Epidemiology*. July 1 2015;30:563-568.
88. Ehrenstein V, Sørensen HT, Adler N, **Milstein A**, Munster AM. Body mass index and cognitive function: birth cohort effects in young men. *Obesity*. April 10 2015;23(5):931-4.
89. Gilman M, Adams EK, Hockenberry JM, **Milstein A**, Wilson IB, Becker ER. Safety-Net Hospitals More Likely Than Other Hospitals to Fare Poorly Under Medicare's Value-Based Purchasing. *Health Aff*. March 1 2015;34:398-405.
90. Nguyen C, **Milstein A**, Hernandez-Boussard T, Curtin CM. The Effect of Moving Carpal Tunnel Releases Out of Hospitals on Reducing United States Health Care Charges. *Journal of Hand Surgery*. June 9 2015. DOI: <http://dx.doi.org/10.1016/j.jhsa.2015.04.023>
91. Cohen E, Horvath-Puho E, Ray JG, Pedersen L, Adler N, Ording AG, Wise PH, **Milstein A**, Sorensen HT. Birth of an Infant With Major Congenital Anomalies and Subsequent Risk of Mortality in Their Mothers. *JAMA-Journal of the American Medical Association*, 2016; 316(23): 2515-2524
92. Patel MI, Adler S, Platchek T, Milstein A. Enlisting Fresh Thinkers and New Methods to Bend the Cost Curve. *Postgraduate Medical Journal*. (resubmitted in review) Not Published
93. Kalanithi L, Tai W, Conley J, Platchek T, Zulman D, **Milstein A**. Better Health, Less Spending: Delivery Innovation for Ischemic Cerebrovascular Disease. *Stroke*. 2014 August 14;45(10):3105-11
94. Tai W, Kalanithi L, Milstein A. What can be achieved by redesigning stroke care for a value-based world? *Expert Review of Pharmacoeconomics & Outcomes Research*. 2014 August 6;14(5):585-7
95. Gilman M, Adams K, Hockenberry J, Wilson I, **Milstein A**, Becker E. California Safety-Net Hospitals Likely to Be Penalized By ACA Value, Readmission, and Meaningful-Use Programs. *Health Affairs*. 2014 Aug; 33(8): 1314-1322
96. Marcotte L, Moriates C, **Milstein A**. Professional Organizations' Role in Supporting Physicians to Improve Value in Health Care. *JAMA*. 2014 Jul 16;312(3):231-232.
97. **Milstein A**, Kocher R. Widening Gaps in the Wall Obscuring Physician Performance Differences. *JAMA Int Med*. 2014 Jun;174(6):839-840.
98. Becker E, Hockenberry J, Bae J, Avgar A, Lui S, Wilson I, **Milstein A**. The Impact of Patient and Hospital Characteristics on Patients' Experience of Care: HCAHPS Evidence from California Hospitals (2009-2011). *Patient Experience Journal*. 2014;1(1) Article 15.
99. Austin JM, D'Andrea G, Birkmeyer JD, Leape LL, **Milstein A**, Pronovost PJ, Romano PS, Singer SJ, Vogus TJ, Wachter RM. Safety in Numbers: The Development of Leapfrog's Composite Patient Safety Score for U.S. Hospitals. *Journal of Patient Safety*. 2014 March 1; 10(1):64-71
100. Patel M, Moore D, Blayney D, **Milstein A**. Transforming Cancer Care: Are Transdisciplinary Approaches Using Design-Thinking, Engineering, and Business Methodologies Needed to Improve Value in Cancer Care Delivery? *Journal of Oncology Practice*. 2013 Mar;10(2):51-4.
101. Platchek T, Rebitzer R, Zulman D, **Milstein A**. Better Health, Less Spending: Stanford University's Clinical Excellence Research Center. *Health Management, Policy and Innovation*. 2013 Oct; 2(1): 10-17
102. Toussaint J, **Milstein A**, Shortell S. How the Pioneer ACO Model Needs to Change: Lessons From Its Best-Performing ACO. *JAMA*. 2013 Oct;310(13):1341-1342.
103. Halpin HA, McMenamin SB, Simon LP, Jacobsen D, Vanneman M, Shortell SM, **Milstein A**. The Impact of Participation in the California Healthcare-Associated Infection Prevention Initiative on

- Adoption and Implementation of Evidence-Based Practices for Patient Safety and HAI Rates in a Cohort of Acute Care General Hospitals. *Am J Infect Control*. 2013 Apr;41(4):307-11.
104. **Milstein, A.** Code Red and Blue: Safely Limiting Healthcare's GDP Footprint. *N Engl J Med*. 2013 Jan; 368:1-3.
 105. Kassirer JP, **Milstein A.** Our Failure to Curb Excessive Testing. *Arch Intern Med*. 2012 Dec;172(22):1751-1753.
 106. **Milstein A,** Shortell S. Innovations in Care Delivery to Slow US Health Spending Growth. *JAMA*. 2012 Oct;308(14):1439-1440
 107. Emanuel E, Tanden N, Altman S, Berwick D, de Brantes F, Calsyn M, Chernew M, Colmers J, Cutler D, Daschle T, Egerman P, Kocher B, **Milstein A,** Lee E, Podesta J, Reinhardt U, Rosenthal M, Sharfstein J, Shortell S, Stern A, Orszag P, Spiro T. A Systemic Approach to Containing Health Care Spending. *N Engl J Med*. 2012 Sep;367(10):949
 108. Halpin HA, Kominski GF, Shortell SM, McMenamin SB, **Milstein A,** Vanneman M. Reductions in Hospital Healthcare-Associated Infection Rates and Associated Costs Following Implementation of Federal and State Policy. *Health Affairs (in review)*
 109. **Milstein A.** Trailing Winds and Personal Risk Tolerance: Transforming Physician Education to Meet Society's Needs. *Health Affairs (in review)*
 110. Mehrotra A, **Milstein A,** Hussey P, Hibbard J. Consumers' and Providers' Responses to Public Cost Reports and How to Raise the Likelihood of Achieving Desired Results. *Health Affairs*. 2012 Apr;31(4):843-851.
 111. Fuchs VR, **Milstein A.** The \$640 billion question – Why does cost-effective care diffuse so slowly? *N Engl J Med*. 2011 May;364(21):1985-7
 112. Halpin HA, **Milstein A,** Shortell SM, Vanneman M, Rosenberg J. Mandatory Public Reporting of Hospital Acquired Infection Rates. *Health Aff*. 2011 Apr;30(4):723-729.
 113. Halpin HA, Shortell SM, **Milstein A,** Vanneman M. Hospital adoption of automated surveillance technology and the implementation of infection prevention and control programs. *American Journal of Infection Control*. 2011 May;39(4):270-276.
 114. Choudhry NK, Rosenthal MB, **Milstein A.** Assessing the evidence for value-based insurance design. *Health Aff*. 2010 Nov;29(11):1988-94.
 115. Rosenthal MB, Li Z, Milstein A. Do Patients Continue to See Physicians Who Are Removed From a PPO Network? *Am J Manag Care*. 2009 Oct;15(10):713-9.
 116. Lansky D, **Milstein A.** Quality Measurement in Orthopaedics: The Purchasers' View. *Clin Orthop Relat Res*. 2009 Oct;467(10):2548-55.
 117. Rosenthal MB, Li Z, Robertson AD, **Milstein A;** Impact of Financial Incentives for Prenatal Care on Birth Outcomes and Spending. *Health Serv Res*. 2009 Oct;44(5 Pt 1):1465-79.
 118. Miller TP, Brennan TA, **Milstein A.** How Can we Make More Progress in Measuring Physicians' Performance to Improve the Value of Care? *Health Aff*. 2009 Sep-Oct;28(5):1429-37.
 119. **Milstein A.** Gilbertson E. American Medical Home Runs. *Health Aff*. 2009 Sep-Oct;28(5):1317-26.
 120. **Milstein A.** Ending Extra Payment for 'Never Events' - Incentives for Patient Safety. *N Engl J Med*. 2009 Jun;360(23):2388-90.
 121. Scanlon DP, Hollenbeak CS, Beich, J, Dyer A-M, Gabbay RA, **Milstein, A.** Financial and Clinical Impact of Team-Based Treatment for Medicaid enrollees with Diabetes in a Federally Qualified Health Center. *Diabetes Care*. 2008 Nov;31(11):2160–2165.

122. Hollenbeak CS, Gorton CP, Tabak YP, Jones JL, **Milstein A**, Johannes RS. Reductions in Mortality Associated with Intensive Public Reporting of Hospital Outcomes. *Am J Med Qual*. 2008 Jul-Aug;23(4):279-86.
123. **Milstein A**, Lee TH. Comparing Physicians on Efficiency. *N Engl J Med*. 2007 Dec;357(26):2649-52.
124. Pham HH, Ginsburg PB, McKenzie K, **Milstein A**. Redesigning Care Delivery in Response to a High-Performance Network: The Virginia Mason Medical Center. *Health Aff*. 2007 Jul;26(4):w532-44.
125. **Milstein A**. Health Information Technology is a Vehicle, not a Destination: a Conversation with David J. Brailer. *Health Aff (Millwood)*. 2007 Mar-Apr;26(2):w236-41
126. **Milstein A**, Smith M. Will the Surgical World Become Flat? *Health Aff (Millwood)*. 2007 Jan-Feb;26(1):137-41.
127. **Milstein A**, Smith M. America's new Refugees--Seeking Affordable Surgery Offshore. *N Engl J Med*. 2006 Oct;355(16):1637-40.
128. Rosenthal M, Hsuan C, **Milstein A**. A Report Card on the Freshman Class of Consumer-Directed Health Plans. *Health Aff (Millwood)*. 2005 Nov-Dec;24(6):1592-600.
129. Galvin RS, Delbanco S, **Milstein A**, Belden G. Has the Leapfrog Group Had an Impact on the Health Care Market? *Health Aff (Millwood)*. 2005 Jan-Feb;24(1):228-33
130. **Milstein A**. Hot Potato Endgame. *Health Aff (Millwood)*. 2004 Nov-Dec;23(6):32-4.
131. Rosenthal M, **Milstein A**. Awakening consumer stewardship of health benefits: prevalence and differentiation of new health plan models. *Health Serv Res*. 2004 Aug;39(4 Pt 2):1055-70.
132. **Milstein A**, Adler NE. Out of Sight, out of Mind: Why Doesn't Widespread Clinical Quality Failure Command our Attention? *Health Aff (Millwood)*. 2003 Mar-Apr;22(2):119-27.
133. Rockey Moore MB, Holzmüller CG, **Milstein A**, Dorman T, Pronovost PJ. Updating the Leapfrog Group Intensive Care Unit Physician Staffing Standard. *J Clin Outcomes Manag*. 2003 Jan;10(1):31-7.
134. **Milstein A**. What does the Leapfrog Group portend for physicians? *Seminars in Vascular Surgery*. 2002 Sep;15(3):198-200.
135. Galvin R, **Milstein A**. Large Employers' New Strategies in Health Care. *N Engl J Med*. 2002 Sep 19;347(12):939-42.
136. **Milstein A**. Parsing Leapfrog Values. *Jt Commission Perspect*. 2002 Feb;2(2): 6-9(4).
137. Harris JR, Schaffler HH, **Milstein A**, Powers P, Hopkins DP. Expanding Health Insurance Coverage for Smoking Cessation Treatments: Experience of the Pacific Business Group on Health. *Am J Health Promot*. 2001 May-Jun;15(5):350-6.
138. **Milstein A**, Galvin RS, Delbanco SF, Salber P, Buck CR Jr. Improving the Safety of Health Care: the Leapfrog Initiative. *Eff Clin Pract*. 2000 Nov-Dec;3(6):313-6.
139. Dudley RA, Johansen KL, Brand R, Rennie DJ, **Milstein A**. Selective Referral to High-Volume Hospitals: Estimating Potentially Avoidable Deaths. *JAMA*. 2000 Mar;283(9):1159-66.
140. Schaffler HH, Brown C, **Milstein A**. Raising the Bar: the use of Performance Guarantees by the Pacific Business Group on Health. *Health Aff (Millwood)*. 1999 Mar-Apr;18(2):134-42.
141. **Milstein A**. An Employer's Perspective on Hospitalists as a Source of Improved Health Care Value. *Ann Intern Med*. 1999 Feb;130(4 Pt 2):360-3.
142. Castles AG, **Milstein A**, Damberg CL. Using Employer Purchasing Power to Improve the Quality of Perinatal Care. *Pediatrics*. 1999 Jan;103(1 Suppl E):248-54.

143. **Milstein A.** Managing Utilization Management: a Purchaser's View. *Health Aff (Millwood)*. 1997 May-Jun;16(3):87-90.
144. Schauffler HH, Rodriguez T, **Milstein A.** Health Education and Patient Satisfaction. *J Fam Pract*. 1996 Jan;42(1):62-8.
145. Swedlow A, Johnson G, Smithline N, **Milstein A.** Increased Costs and Rates of use in the California Workers' Compensation System as a Result of Self-Referral by Physicians. *N Engl J Med*. 1992 Nov;327(21):1502-6.
146. Adler NE, **Milstein A.** Evaluating the Impact of Physician Peer Review: Factors Associated With Successful PSROs. *Am J Public Health*. 1983 Oct;73(10):1182-5.
147. **Milstein A.** Anticipating the Impact of Public Law 93-641 on Mental Health Services. *Am J Psychiatry*. 1976 Jun;133(6):710-2.

B. Non peer reviewed journal articles, reviews, editorials, public reports, etc.

1. Leff B, **Milstein A**, What We Learned From The Acute Hospital Care At Home Waiver—And What We Still Don't Know. *Health Affairs Forefront* JUNE 27, 2022 DOI: 10.1377/forefront.20220623.684203 [Link](#)
2. **Milstein A** quoted: Smarter health: How AI is transforming health care; *WBUR On point*; [Link](#)
3. **Milstein A** quoted: A Pitt student's app takes physical therapy digital, *Pittsburgh Post-Gazette*, Nov 29, 2021, [Link](#)
4. Hopkins DSP, Simon M, Wang T, **Milstein A**; Adopting the Attributes of High-Value Hospitals; *American Hospital Association Futurescan 2019-2024*
5. Schulman KA, **Milstein A**, Richman BD; Resolving Surprise Medical Bills; *Health Affairs Blog*, July 10 2019, *Health Affairs*; <https://www.healthaffairs.org/doi/10.1377/hblog20190628.873493/full/>
6. Schulman K, Richman B, **Milstein A**; Stop outrageous air ambulance bills by disclosing the transport price; *STAT, First Opinion*, Jan 8, 2019; <https://www.statnews.com/2019/01/08/stop-outrageous-air-ambulance-bills/>
7. Luo Z, Rege A, Pusiol G, **Milstein A**, Li F, Downing NL; Computer Vision-based Approach to Maintain Independent Living for Seniors; *AMIA 2017 Annual Symposium*, November 2017, Washington, DC
8. Woo V, **Milstein A**, Platchek T.; Birth Center Model of Care; *JAMA* 2017.317(6)646
9. Tamang S, **Milstein A**, Sorensen HT, Pedersen L, Mackey L, Betterton JR, Janson L, Shah N; Predicting patient Cost Blooms in Denmark; *BMJ Open*, Jan 2017
10. Yeung S, Alahi A, Luo Z, Peng B, Haque A, Singh A, Platchek T, **Milstein A**, Li F. Vision-Based Hand Hygiene Monitoring in Hospitals, *AMIA 2016 Annual Symposium*, November 2016, Chicago, Illinois.
11. Lin C, Jopling J, Vranas K, Ramsey M, Simon M, Mann R, Zions D, Chiou H, Wagner I, **Milstein A.** Identifying the organizational and Process Factors Driving Treatment Intensity at The End of Life Within and Upstream of the Intensive Care Unit: A Positive Deviance Study. Poster Presentation, American Thoracic Society Conference. May 2016.
12. Patel MI, Ramirez D; Nguyen A; Hagan C; Agajanian R; Agajanian H; Blayney DW; Asch S; **Milstein A.** Achieving the triple aim in cancer care through a tri-part research collaboration. Oral and Poster Presentation, *American Society of Clinical Oncology Quality Symposium*, February 2016, Phoenix, Arizona.

13. Phipps-Taylor M & the West Coast Harkness Policy Forum (**Milstein A**, et al.). Getting To The ACO Tipping Point: What Else Might Be Needed? *Health Affairs Blog*. June 2015.
14. Bensen R, Steidtmann D, Vaks Y, Malcolm E, Zulman D, **Milstein A**. Bridging the Gap: A New Model of Transition Care for Young Adults with Serious Chronic Conditions. Abstract Poster Presentation, *Society for Adolescent Medicine Conference*. March 19, 2015.
15. Olchanski N, **Milstein AS**, Chambers JD, Neumann PJ. Forecasting the Health and Health Spending Consequences of Value-Based Drug Insurance Design for Insureds with Five High-Cost Conditions. *ISPOR*. May 2013;16(3):A254.
16. **Milstein A**. Reinventing Health Care Services: A doctor describes his groundbreaking, transdisciplinary effort to design more cost-effective care models for conditions that drive a large proportion of US health spending: *Stanford Social Innovation Review*, Fall 2011
17. **Milstein A**. What Provider Payment Policies Would Most Improve Outcomes and Lower per Capita Spending and for Medically Complex Patients by 2019? National Academy of Medicine. 2011. The Healthcare Imperative: Lowering Costs and Improving Outcomes. Washington, DC: *The National Academies Press*.
18. Shultz G, **Milstein A**, Kurghoff R. More Transparency, Better Health Care, Fantasy baseball managers have far more data to evaluate players for their teams than patients and referring doctors have in matters affecting life and death, *WSJ-Opinion*, Sept 20, 2011
19. **Milstein A**. Estimating Waste by Quantifying the gap Between Average and High Performance: how Much Lower are Risk-Adjusted Costs per case in low Cost Hospitals with High Quality Scores? National Academy of Medicine. 2011. The Healthcare Imperative: Lowering Costs and Improving Outcomes. Washington, DC: *The National Academies Press (in press)*.
20. **Milstein A**. Medical Homes and Medical "Home Runs." National Academy of Medicine. December 2009. Value in Health Care: Accounting for Cost, Quality, Safety, Outcomes and Innovation: Workshop Summary. Washington, DC: *The National Academies Press*.
21. **Milstein A**, Darling H. Better U.S. Health Care at Lower cost. Issues in Science and Technology, *The National Academies*, December 2009.
22. **Milstein A**, Hoverman Colla C. Tracking the Contribution of U.S. Health Care to the Global Competitiveness of American Employers and Workers: 2009 U.S. Business Roundtable Global Competitiveness of Care Index. *Mercer Health & Benefits*. 2009 March;1-29.
23. **Milstein A**. Care Models that Lower per Capita Spending and Improve Outcomes. In: Schultz AM, Chao SM, McGinnis JM, rapporteurs. Models of care. National Academy of Medicine of the National Academy of Sciences: *Integrative Medicine and the Health of the Public – A Summary of the February 2009 Summit*; Washington, DC: *The National Academies Press*; 2009. p. 62-4.
24. **Milstein A**. Improving Value via Medical Homes (Abstract). National Academy of Medicine. 2008 Nov 28.
25. Ginsburg PB, Pham HH, McKenzie K, **Milstein A**, Distorted payment system undermines a business case for health quality and efficiency gains. *Issue brief (Center for Studying Health System Change)* 2007 Jul; (112):1-4
26. Davis MH, Hibbard JH, **Milstein A**. Consumer Tolerance for Inaccuracy in Physician Performance Ratings: one Size fits None. *Center for Studying Health System Change Issue Brief No. 110*, March 2007.
27. **Milstein A**, Burney R; The efficiency equation. Determining how to measure healthcare performance--and other first steps; *ModHealthc*, 2006 Mar 13; 36 (11):24

28. **Milstein A**, Bodenheimer T, Fernandopulle R, Plsek P, Kothari P, Solomon N, Chaufournier R. Redesigning Primary Care for Breakthrough in Health Insurance Affordability: Model I: the Ambulatory Intensive Caring Unit, *report to the California HealthCare Foundation, 2005.*
29. **Milstein A**, Bodenheimer T, Fernandopulle R, Plsek P, Kothari P, Solomon N, Chaufournier R. Redesigning Primary Care for Breakthrough in Health Insurance Affordability: Model II: the Video Visit Booth," *report to the California HealthCare Foundation, 2005.*
30. **Milstein A**; Hospital Referrals, *Health Affairs-vol 24, No.3-Letters, May-June 2005, doi/pdf/10.1377/hlthaff.24.3.887*
31. Galvin B, Delbanco, S, **Milstein A**; Has The Leapfrog Group Had An Impact; *Health Affairs: Health Tracking/From the Field; January/February 2005, 22, DOI 10.1377/hlthaff.24.1.228©2005 Project HOPE–The People-to-People Health Foundation, Inc.*
32. **Milstein A.**, Ness D; UK Quality Incentives; *Health Affairs: Letters July/Aug 2004; DOI 10.1377/hlthaff.23.4.282©2004 Project HOPE–The People-to-People Health Foundation, Inc.*
33. **Milstein A.** Will we Move to a War Footing to Zap Unreliable Health Care Quality? *California Controller's Quarterly, Spring 2000.*
34. **Milstein A.** Mobilizing Employer Purchasing Power to Advance Quality of Care. *Viewpoint, the Marsh and McLennan Companies quarterly, Summer 1998.*
35. **Milstein A.** Industry in Transition: Central Engines, Blooming Flowers, Batting Averages and Re-invention. *Viewpoint, the Marsh and McLennan Companies quarterly, Fall 1994.*
36. **Milstein, A.** UR Liability: A Continuing Question. *HMO Magazine, January/February, 1993.*
37. **Milstein A.** Utilization Management Lessons. *HMO Magazine. March/April, 1992.*
38. **Milstein, A.** Excellence in Programs to Manage Workers' Compensation Costs. *Viewpoint – The MMC Journal, Spring 1991.*
39. **Milstein A**, Selbovitz L, Mayer T, Martin M, Tingley W, Wernick P. Mirror, Mirror on the Wall, is my UR Program Best of All? *Medical Interface, July 1990.*
40. **Milstein, A.** Controlling Workers' Compensation Costs 'California Style.' *Risk Management. 1988 Sept;35(9):30-34.*
41. **Milstein, A.** Second Generation Perspectives on Employer Medical Cost Controls. *Barron's, June 27, 1988. (Out of print; research to ascertain page numbers is in process.)*
42. Martin M, **Milstein A**, Loveland D. Enhancing Utilization Review Program Results. *Health Cost Management. 1988 March/April;5(2):10-16.*
43. **Milstein A**, Nethercut, G, Martin M. Controlling Medical Costs in Workers' Compensation. *Business and Health. 1988 March:34-7.*
44. **Milstein, A.** Three Changes Expected for UR. *Business Insurance, 1987 Nov:44. (Invited paper for 20th Anniversary Issue.)*
45. **Milstein A**, Oehm, Marvis, Alpert, G. Gauging the Performance of Utilization Review. *Business and Health. 1987 Feb;10-12.*
46. **Milstein A**, Nash D, Sands J. Auditing Quality of Care: an Employer Based Approach. *Business and Health. 1986 July/August:10-12.*
47. **Milstein A**, Trauner, J. An Employer's Guide to Preferred Provider Organizations. *California Chamber of Commerce Statewide Health Care Costs Committee. 1984 Nov. (Out of print; research to ascertain page numbers is in process.)*
48. **Milstein A**, Bush, J. An Employer's Guide to Utilization Review. *California Chamber of Commerce. 1984 Feb. (Out of print; research to ascertain page numbers is in process.)*

49. **Milstein A.** Can Health Systems Agencies and PSRO's Improve Mental Health Services? Invited paper, Special Session on Psychiatric Participation in Mental Health Planning, *131st Annual Meeting, American Psychiatric Association.* 1978 May.
50. **Milstein A.** Effects of the National Health Planning Act on the use of Data Processing Hardware in Health Care Institutions. *Journal of Clinical Computing.* 1977 Spring. (Out of print; research to ascertain page numbers is in process.)
51. **Milstein A.** Public Law 93-641 and its Implications for the Diffusion of Ultrasonic Medical Instrumentation. *Proceedings of the First Meeting of the World Federation of Ultrasound in Medicine and Biology.* 1976 Aug. (Out of print; research to ascertain page numbers is in process.)

C. Book chapters

1. Singer S, **Milstein A** et al; [Innovation Diffusion Across 13 Specialties and Associated Clinician Characteristics Research and Theory to Foster Change in the Face of Grand Health Care Challenges](#); Advances in Health Care Management, Volume 22, 97–115, Feb 2024
2. Malcolm, E, **Milstein A.** Achieving Lower Costs via Innovation in High Quality Health Care Delivery Design. In: Phillips RA, ed. America's Healthcare Transformation: Strategies and Innovations. New Brunswick: Rutgers University Press. Press for publication June 2016.
3. **Milstein A.** What is a minimalist recipe for accelerated reengineering of our delivery systems? In: Emery D, editor. Customer-directed healthcare reform with episode pricing. Mason, Ohio: Thomson; 2006. p. 25-9.
4. **Milstein A.** Needed: performance sensitive customers. In: Kilo C, Leavitt M, editors. Medical practice transformation with information technology. Chicago, IL: Healthcare Information and Management Systems Society; 2005. p. 137-144.
5. **Milstein A.** What does the Leapfrog Group portend for hospitals and physicians? In: Youngberg B, Hatlie MJ, editors. The patient safety handbook. Sudbury, MA: Jones and Bartlett Publishers; 2004. p. 747-752.
6. **Milstein A,** Adler, N. Grounding consumer-driven health care in social science research. In: Herzlinger RE, editor. Consumer-driven health care: implications for providers, payers and policy makers. San Francisco, CA; Jossey-Bass; 2004. p. 454-8.
7. **Milstein A.** Optimizing cost and quality through consumer-driven health benefits: where does the evidence point? In: Fronstin P., editor. Consumer-driven health benefits: a continuing evolution? Washington, DC: Employee Benefit Research Institute Education & Research Fund; 2002. p 61-66.
8. **Milstein A,** Henderson M, Berlant J, Anderson D. Evaluating psychiatric and substance abuse case management organizations. In: Shueman SA, Troy WG, Mayhugh SL, editors. Managed behavioral health care: an industry perspective. Springfield, IL: Charles C Thomas; 1994. p. 222-240.
9. **Milstein A,** Bergthold L, Selbovitz L. In pursuit of value: American utilization management at the fifteen-year mark. In: Boland P., editor. Making managed healthcare work: a practical guide to strategies and solutions. Gaithersburg, MD: Aspen Publishers; 1993. p. 371-388.
10. Mayer T, Korn A, **Milstein A.** Ambulatory care utilization review. In: Barnett AH, Mayer GG, editors. Ambulatory care management and practice. Gaithersburg, MD: Aspen Publishers; 1992. p. 243-257.
11. **Milstein A.** Indemnity plan managed care. In: Harris JS, Belk, HD, Wood LW., editors. Managing employee health costs: assuring quality and value. Boston, MA: OEM Press; 1992. p. 136-138.

12. **Milstein A**, Douglas JR, Nethercut GE. Managing the medical cost of hospital workers' compensation claims. In: Metzger N., editor. Handbook of health care human resources management. Rockville, MD: Aspen Publishers; 1990. p. 305-310.
13. Controlling utilization through preferred provider arrangements. In: Boland P., editor. The new healthcare market: a guide to PPOs for purchasers, payers and providers. Homewood, ILL: Dow Jones-Irwin; 1985. (Out of print; research is in process.)
14. Adler N, **Milstein A**. Psychological perspectives on health system planning. In: Stone GC, Cohen F, Adler N., editors. Health psychology. San Francisco, CA: Jossey-Bass Publishers; 1979. p. 395-418.

D. Special materials (editorials, letters, epitomes)

1. Schultz G, **Milstein A**, Krughoff R. More Transparency, Better Health Care. *Wall Street Journal Op-Ed*. Sept 20, 2011
2. **Milstein A**, Smith MD, Kassirer JP. Overseas, Under the Knife. Invited op-ed. *The New York Times*. 2009 June 9; Sect. A:29. URL: <http://www.nytimes.com/2009/06/10/opinion/10milstein.html>.
3. Phibbs CS, **Milstein A**, Delbanco SF, Bates D. No Proven Link Between CPOE and Mortality. *Pediatrics (letter)*. 2005 Dec 1. URL: www.pediatrics.org/cgi/eletters/116/6/1506#1620

E. Digital publications (software, online writings, and other scholarly digital creations)

1. **Milstein A**, Kothari P, Fernandopulle R, Helle T. Are Higher-Value Care Models Replicable? Invited *Health Affairs Blog*. 2009 Oct 20. URL: <http://healthaffairs.org/blog/2009/10/20/are-higher-value-care-models-replicable/>
2. **Milstein A**. All bets are ON When it Comes to Raising the Quality and Value of U.S. Health Care. Invited *RWJF Health Reform 2009 Blog*. 2009 Jun 2. URL: <http://rwjfblogs.typepad.com/healthreform/2009/06/all-bets-are-on-when-it-comes-to-raising-the-quality-and-value-of-us-health-care.html>
3. **Milstein A**. Medical Homes — and Medical ‘Home Runs’? Invited *Health Affairs Blog*, 2008 Sept 10. URL: <http://healthaffairs.org/blog/2008/09/10/medical-homes-and-medical-home-runs/>