Bio

Dr. Milstein is a Professor of Medicine and directs the Clinical Excellence Research Center at Stanford University. The Center discovers and demonstrates in multi-state locations scalable innovations in clinical process and in bedside applications of machine intelligence that lower the cost of high-quality healthcare.

Before joining Stanford's faculty, he created and globalized a healthcare performance improvement firm, co-founded three nationally influential public benefit initiatives including the Leapfrog Group, served as a Congressional MedPAC Commissioner and was elected to the National Academy of Medicine (NAM).

ACADEMIC APPOINTMENTS

• Professor, Medicine - Primary Care and Population Health

LINKS

• Clinical Excellence Research Center: http://cerc.stanford.edu
• Partnership in AI-assisted Care: https://aicare.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Design and 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.

PROJECTS

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

COURSES

2019-20
• Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

2018-19
• Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

2017-18
• Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

2016-17
• Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

STANFORD ADVISEES

Postdoctoral Research Mentor
Sirina Keesara, Sarah Rosenbaum, Wing Hang Wong

Publications

PUBLICATIONS

• 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

  Kaplan, R. M., Milstein, A.
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• A computer vision system for deep learning-based detection of patient mobilization activities in the ICU. NPJ DIGITAL MEDICINE
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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
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• Possibilities Beyond Analyses of a Fee-for-Service Database and Clinician Mindset *ANNALS OF INTERNAL MEDICINE*
  Leff, B., Milstein, A.
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• Exploring Attributes of High-Value Primary Care *ANNALS OF FAMILY MEDICINE*
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• Predicting patient ‘cost blooms’ in Denmark: a longitudinal population-based study. *BMJ open*
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• ICU Physician Workflow: Inside the Balloon *CRITICAL CARE MEDICINE*
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• Better health, less spending: Redesigning the transition from pediatric to adult healthcare for youth with chronic illness. *Healthcare (Amsterdam, Netherlands)*
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• ACO model should encourage efficient care delivery. *Healthcare (Amsterdam, Netherlands)*
  Toussaint, J., Krueger, D., Shortell, S. M., Milstein, A., Cutler, D. M.
  2015; 3 (3): 150-152

• Posttraumatic stress disorder and cancer risk: a nationwide cohort study *EUROPEAN JOURNAL OF EPIDEMIOLOGY*
  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.
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• Contributions of Health Care to Longevity: A Review of 4 Estimation Methods *ANNALS OF FAMILY MEDICINE*
  Kaplan, R. M., Milstein, A.
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• The Implications of "Medicare for All" for US Hospitals. *JAMA*
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• Improving the Value of Medical Care for Patients with Back Pain *PAIN MEDICINE*

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- **Stress Disorders and Dementia in the Danish Population** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
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- **Economic Benefit of "Modern" Nonemergency Medical Transportation That Utilizes Digital Transportation Networks.** *American journal of public health*
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- **Stress Disorders and Dementia in the Danish Population.** *American journal of epidemiology*
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- **Perspectives of Health Care Payer Organizations on Cancer Care Delivery Redesign: A National Study.** *Journal of oncology practice*
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Powers, B. W., Milstein, A., Jain, S. H.
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