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

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.

Teaching

COURSES

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)

2015-16
• Leading Value Improvement in Health Care Delivery: SOMGEN 275 (Aut)

STANFORD ADVISEES
Postdoctoral Research Mentor
Clare Purvis, Courtenay Stewart

Publications

PUBLICATIONS

• 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.
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• Tool Detection and Operative Skill Assessment in Surgical Videos Using Region-Based Convolutional Neural Networks
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• The Association of ICU Acuity With Outcomes of Patients at Low Risk of Dying. Critical care medicine
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• Improving the Value of Medical Care for Patients with Back Pain. Pain medicine (Malden, Mass.)
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• Reply to E.C. Winkler et al. Journal of clinical oncology
  Kaplan, R. M., Milstein, A.
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• Predicting patient 'cost blooms' in Denmark: a longitudinal population-based study. *BMJ open*
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• Identifying Distinct Subgroups of ICU Patients: A Machine Learning Approach. *Critical care medicine*
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• Individualized Acute Medical Care for Cognitively Impaired Individuals: A Call Always to Pause Before Hospitalization. *Journal of the American Geriatrics Society*
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• 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*
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• Opportunities to Improve the Value of Outpatient Surgical Care *AMERICAN JOURNAL OF MANAGED CARE*
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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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• The Financial Effect of Value-Based Purchasing and the Hospital Readmissions Reduction Program on Safety-Net Hospitals in 2014: A Cohort Study. *Annals of internal medicine*
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• Mandatory Public Reporting of Hospital Acquired Infection Rates Health Affairs
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