NATIONAL ACADEMY OF MEDICINE

DIGITAL LEARNING COLLABORATIVE

Fall 2016 Update

Colleagues: Thank you for your continued involvement and interest in the Digital Learning Collaboration (DLC), an activity of the National Academy of Medicine's (NAM) Leadership Consortium for a Value & Science-Driven Health System. Below are highlights of DLC work since the last update. Please be in touch for information, to indicate interest in participating in a particular activity, or to offer additions or corrections.

STAYING ENGAGED WITH DLC

- The next DLC meeting will take place in Washington, DC on **December 1, 2016** and will focus on clinicians as partners and leaders in digital learning. Seating is limited but if you would like to attend—in person or via WebEx—contact Gwen Hughes at GHughes@nas.edu by November 23. *Travel support is not provided by the National Academies for Collaboratives' activities. Breakfast and lunch will be provided.*

MEETINGS RECENTLY CONVENED BY THE NAM LEADERSHIP CONSORTIUM (LC)

- **Clinical Effectiveness Research Innovation Collaborative** –focus: characteristics & operationalization of open science (November 3, 2016)
- **Optimizing Strategies for Clinical Decision Support** –focus: improving CDS practices and adoption (October 27, 2016)
- **Care for High-Need Patients** – focus: identifying care models & policy solutions to better serve high-need patients (October 21, 2016).
- **Leadership Consortium Biannual Members Meeting** –focus: exploring how the LC might advance the work of the recent NAM Vital Directions for Health and Health Care discussion series (September 22, 2016)
- **Value Incentives & Systems Innovation Collaborative** –focus: activities underway in the transition to population-based payment, and strategic priorities to advance progress (September 16, 2016; summary)
- **Accelerating Clinical Knowledge Generation and Use: Strategic Scale and Spread** –focus: health executive leadership for development, spread and scaling of a continuously learning health system (September 8, 2016; summary)

COLLABORATIVE PROJECTS STEWARDED BY DLC

Collaborative projects: 1) identify issues of common interest and marshal needed leadership; 2) develop tools and networks needed for progress; and 3) develop joint leadership possibilities through individually-authored *Perspectives* papers:

- *Interoperability Purchasing Specs for Continuous Learning* (Moore Foundation) – focus: policies, requirements, standards, and purchase specifications among health systems with common commitments to the broad interoperability of health data. Deliverables include an expert-led *Perspective*; the development (led by Johns Hopkins Applied Physics Laboratory) of high level guidelines; and a NAM meeting to discuss next steps.
- *Optimizing Strategies for Clinical Decision Support: Meeting Series* (ONC) – focus: improving CDS practices and adoption. Guided by a planning committee, deliverables include 3 NAM meetings; an overview summary; and priorities for action developed by work-group participants.

COLLABORATIVE PROJECTS UNDER CONSIDERATION FOR THE DLC

The LC's stewardship of a collaborative initiative is dependent on: 1) the importance of the issue; 2) the interest and commitment of participants to take leading and active roles; 3) the involvement of multiple organizations; and 4) clearly identified advantage for the Academies' role as facilitator. In recent meetings and conversations, several potential project topics were discussed, including the items below:

- ***Business case***. What are the rewards of devoting more attention/resources to the capacity for real-time learning from clinical and claims data?
- ***CIO handbook***. What does every health care CIO need to know about the issues, opportunities, challenges, and strategies—and how might this vary from large integrated systems to smaller systems?
- ***EHR data***. What insights should be recorded, such as the patient care process and social determinants, to better leverage electronic health records data for multiple uses? Who needs to inform this discussion? What informatics research is needed?
- ***Patient reported data***. What are the major emerging categories and sources of patient generated data? What issues and strategies need to be engaged to improve the likelihood of the strength of their utility?
- ***Observational data***. What approach might foster the use of *in silico* studies to better understand the circumstances when use of available observational data might have obviated the need for RCTs?
- ***Real-time data scanning***. What might be the possibilities and strategies for a public-private partnership of scientific organizations (e.g. NIH, DARPA, NSF), health care organizations (e.g. VA, DOD, HCA, KP), and technology companies (e.g. Epic, IBM, Google) to work cooperatively to develop approaches to real-time mining of large scale clinical data sets for clinical insights?
- ***Training***. What are the training needs for current and future clinicians and researchers within system settings? What are the educational efforts needed to teach clinicians and patients how to contribute to the record to provide more meaningful data?
- ***Learning health system***. What can be done to better identify, link, and enhance the work of health care organizations interested in self-identifying as learning health systems?

If you have a particular interest in a lead role for one of these activities, please let us know so we can match you with colleagues.

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THE LEARNING HEALTH SYSTEM SERIES

DIGITAL LEARNING COLLABORATIVE

Participating Organizations

AAMC
AstraZeneca
AHIP
AHA
Baylor Scott & White
Blue Cross and Blue Shield
Brigham and Women's
Bristol-Myers Squibb
Brookings Institution
Cedars-Sinai Medical Center
CMTP
Christiana Care
Duke University
Epic Systems
Georgetown University
Harvard University
ICER
Institute Hlthcre Imprvmnt
Intermountain Healthcare
Temple University
Johnson & Johnson
Kaiser Permanente
Mayo Clinic
Montefiore Medical Center
Mount Sinai Health System
Outcome Sciences Inc.
Optum Labs
Partners HealthCare
PCORI
Tufts University
Quintiles, Inc.
Sanofi
UC Davis
UC, Irvine
UCLA
University of Minnesota
University of Pennsylvania
University of Pittsburgh
Vanderbilt University
WHISCON

Federal agencies:
NSF
U.S. DHHS
– Office of the Secretary
– AHRQ
– CDC
– CMS
– FDA
– NIH
– ONC
U.S. DOD
U.S. DVA

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