Innovation in Electronic Health Records for Oncology Care, Research, and Surveillance: A Virtual Workshop

https://www.nationalacademies.org/event/02-28-2022/innovation-in-electronic-health-records-for-oncology-care-research-and-surveillance-a-workshop

MONDAY, FEBRUARY 28, 2022 9:30 AM-5:00 PM Eastern Time Zone	
9:30 am	**Welcome from the National Cancer Policy Forum** *Planning Committee Co-chairs:* *Mia Levy, Foundation Medicine, Inc.* *Lawrence N. Shulman, University of Pennsylvania Abramson Cancer Center*
9:40 am	**Session 1: Overview of the Use of EHRs in Oncology Care, Research, and Surveillance** *Co-moderators:* *Mia Levy, Foundation Medicine, Inc.* *Lawrence N. Shulman, University of Pennsylvania Abramson Cancer Center* **Session Objective:** To review the current state and trends of EHRs and discuss the evidence base for the design, development, and use of EHRs in cancer care, research and surveillance. **Technical and Contextual Evolution of EHRs** • *Mia Levy, Foundation Medicine, Inc.* **The Electronic Health Record: From the View of the Oncologist** • *Lawrence N. Shulman, University of Pennsylvania Abramson Cancer Center* **Facilitator of Trust or Mediator of Communication: The EHR and the Patient-Physician Relationship** • *Gwen Darien, National Patient Advocate Foundation* **Integrating Social Determinants of Health in EHRs: Ethical and Social Justice Issues** • *Chanita Hughes-Halbert, USC Norris Comprehensive Cancer Center* **Quality Improvement and Research Perspective** • *Neal J. Meropol, Flatiron Health* **Panel Discussion with Speakers**
11:10 am	**Break**
11:20 am	**Session 2: Opportunities to Improve the Patient-Facing Aspects of EHRs** *Co-moderators:* *Etta D. Pisano, Harvard Medical School/American College of Radiology* *Robin Yabroff, American Cancer Society* **Session Objective**: To explore opportunities and approaches to improve the patient-facing aspects of EHRs to empower patients and improve patient care and outcomes.

The Impact of EHRs on the Physician-Patient Relationship
- *Jyoti D. Patel, Northwestern University*

Integrating Patient-Reported Outcomes into Electronic Health Record Systems in Oncology
- *Ethan Basch, University of North Carolina at Chapel Hill*

Today's Patient Portal and Sharing of Patient Data Across EHR Systems for Cancer Care and Research
- *Travis J. Osterman, Vanderbilt University Medical Center*

Using the EHR to "Nudge" Evidence-based Cancer Care
- *Samuel U. Takvorian, Penn Medicine*

Next-generation EHRs to Facilitate Oncology Care
- *George Hripcsak, Columbia University*

Panel Discussion with Speakers

12:50 pm	**Lunch Break**
1:50 pm	**Session 3: Opportunities to Optimize the Functionality and Usability of EHRs in Oncology Care** *Co-moderators:* *Bradley Malin, Vanderbilt University Medical Center* *Alex Melamed, Columbia University Medical Center* **Session Objective:** To examine the challenges and opportunities to optimize the functionality and usability of EHRs in clinical workflow to meet the needs of the various users in oncology care. **Oncology Care Pathways: Importance and Relation to Current EHRs Functionality and Opportunities for Improvement** • *Robin Zon, Michiana Hematology Oncology* **Opportunities for Decision Support through the Use of EHRs** • *Mary M. Ichiuji, Kaiser Permanente* **Efficiency of EHR Use and Management in Creating an Ideal Workspace and Presentation of Critical Data for Oncology-specific Care Providers** • *Shilo Anders, Vanderbilt University* **Interface Between Electronic Systems and Humans: View From Outside of Medicine** • *Elizabeth Mynatt, Northeastern University* **Human Factors Engineering for EHR Design in Oncology Care: The Patient Experience Across the Cancer Care Continuum** • *Pascale Carayon, University of Wisconsin-Madison* **An Industry Perspective** • *Jenna Date, Allscripts Hospital and Health Systems*

	Panel Discussion with Speakers
3:25 pm	**Break**
3:35 pm	**Session 4: Roundtable: Innovative Strategies to Improve EHR Data Collection to Support Care Quality and Research Initiatives** *Co-moderators:* *Neal J. Meropol, Flatiron Health* *Lara Strawbridge, Center for Medicare and Medicaid Innovation* **Session Objective:** To discuss new approaches and opportunities to enhance EHR structure, data collection and standardization, interoperability, and EHR integration to improve clinical care and enhance oncology research. **Clinician Perspective** • *Tufia C. Haddad, Mayo Clinic College of Medicine and Sciences* **Opportunities and Challenges: Entry of Critical Structured Data Into EHRs** • *Monica Bertagnolli, Brigham & Women's Hospital and Dana-Farber Cancer Institute* **Researcher Perspective: Opportunities for Improved Research** • *Jeremy L. Warner, Vanderbilt University* **Quality Improvement Initiatives: Opportunities for Improved Quality of Care** • *Barry Russo, The Center for Cancer and Blood Disorders* **Payer Perspective** • *Reed V. Tuckson, Black Coalition Against COVID and Tuckson Health Connections, LLC* **Panel Discussion with Panelists**
4:50 pm	**Closing Remarks**
5:00 pm	**Adjourn**
TUESDAY, MARCH 1, 2022 **9:00 AM-12:00 PM Eastern Time Zone**
9:00 am	**Welcome and Overview of Day 2** *Planning Committee Co-chairs* *Mia Levy, Foundation Medicine, Inc.* *Lawrence N. Shulman, University of Pennsylvania Abramson Cancer Center*
9:05 am	**Session 5: The Roles of Federal Agencies to Advance Progress in EHRs** *Co-moderators:* *Robert W. Carlson, National Comprehensive Cancer Network* *Nicole F. Dowling, Centers for Disease Control and Prevention* **Session Objective**: To explore current collaborations and initiatives to conceptualize and implement innovations in EHRs, and discuss potential policy incentives for the adoption of improved EHRs in cancer care, research, and surveillance. **Potential Role of Science and Technology Policy in Advancement of EHRs**

- *Twee Sim, Office of Science and Technology Policy and the Department of Defense*

Advancing Progress in EHRs: Cancer Surveillance as an Example
- *Lynne Penberthy, National Cancer Institute*

Electronic Health Records for Public Health Planning and Research
- *Lisa C. Richardson, Centers for Disease Control and Prevention*

Leveraging Electronic Health Records: Expanding Opportunities for Evidence Generation
- *Paul G. Kluetz, Oncology Center of Excellence, Food and Drug Administration*

Ready, Set, Go!: Leveraging EHRs for Innovation
- *Avinash Shanbhag, Office of Technology, Office of the National Coordinator*

CMMI Perspective
- *Lara Strawbridge, Center for Medicare and Medicaid Innovation, Centers for Medicare & Medicaid Services*

Panel Discussion with Speakers

10:35 am	**Break**
10:45 am	**Session 6: Policies to Foster EHR Redesign to Advance Progress in Cancer Care, Research, and Surveillance** *Co-moderators:* *Mimi Huizinga, ImmunoGen, Inc.* *Robert A. Winn, Virginia Commonwealth University Massey Cancer Center* **Session Objective**: To discuss potential policy levers and actionable strategies to enhance innovation in the development, implementation, and use of EHRs in oncology care, research, and surveillance. ***Panelists (Session Co-moderators)*** *Representing Session 1: Lawrence Shulman* *Representing Session 2: Etta Pisano* *Representing Session 3: Bradley Malin* *Representing Session 4: Lara Strawbridge* *Representing Session 5: Nicole Dowling* ***Open Discussion***
11:50 am	**Closing Remarks** *Mia Levy, Foundation Medicine, Inc.* *Planning Committee Co-chair*
12:00 pm	**Adjourn**