The Need for Healthcare Systems That Can Learn Fast: Lessons from COVID
March 11, 2021
Housekeeping

- All participants are muted

- Submit your questions in the Q&A box

- We will answer as many question as time allows and follow up the unanswered questions

- Use the chat box for *technical difficulties* and other questions / comments
Thank You to the Sponsor

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Our Work

**EDUCATION**
- Expert Roundtables
- Education Programs
- Webinars, Workshops
- Networking
- Receptions
- Surveys Reports

**ADVOCACY**
- Recommendations
- Privacy Policy
- Comment Letters
- Policy Steering Committee (PSC)
- Capitol Hill Briefings
- HHS, FTC, OCR, Relationships
- Hill Meetings

**THOUGHT LEADERSHIP**
- Expert Roundtables
- Advisory Boards, Workgroups
- Grants/ Partnerships
- HHS, FTC, OCR, Relationships
- Surveys, Reports
- Expert Faculty

www.ehidc.org
Current Critical Issue Areas

- Consumer Privacy for Health Data
- Virtual Care
- Analytics, Social Determinants of Health (SDOH) & Artificial Intelligence
- COVID-19 Best Practices & Education
Important Dates

Webinars
- How APIs are Changing the Economics of EHR Integration – March 17
- 2021 Industry Pulse: ONC/CMS Final Rule Compliance Requirements- March 18
- Sourcing and Utilizing SDOH Data for Whole-Person Care – March 25
- Federal Effort Aims to Standardize Addresses to Improve Patient Matching- April 1

Workgroups
- SDOH/Data Analytics Workgroup - April 22
- Policy Workgroup - March 16, April 20

Roundtable
- Maturing Virtual Care in Tribal Communities - March 24

For a full list of virtual events: [https://www.ehidc.org/events](https://www.ehidc.org/events)
Recent Forums & Webinars

- SDOH Impact on Equity and Diversity in Clinical Trials
- Release of Consumer Privacy Framework for Health Data
- How Providers are Scaling Virtual Care: Best Practices and Lessons Learned from the Leaders
- Expert Perspectives on Virtual Care
- Patient Matching to Combat COVID-19
- Survey Results: Readiness for the ONC and CMS Interoperability Rules
- Improving Access to Healthcare Data via the FHIR Payer Endpoints Directory
The Need for Healthcare Systems That Can Learn Fast: Lessons from COVID
Today’s Lineup

**Moderator**
Kat Jercich  
Senior Editor  
*Healthcare IT News*

**Panelists**
Michael S. Barr, MD, MBA, MACP, FRCP  
Executive Vice President, Quality Measurement and Research Group, NCQA

Blackford Middleton, MD, MPH, MSc  
Chief Informatics & Innovation Officer, Apervita

Christopher J. Tignanelli, MD  
Assistant Professor, Department of Surgery, UMN
Enabling the Learning Health System
A system that rapidly learns and continuously improves
## Making a Computable Clinical Practice Guideline (CPG)

Translating evidence-based guidelines

<table>
<thead>
<tr>
<th>Knowledge Layer</th>
<th>Description</th>
<th>Example</th>
<th>Sample WHO Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>Narrative</td>
<td>Guideline for a specific disease that is written in the format of a peer-reviewed journal article</td>
<td>Existing WHO recommendations and guidelines (e.g. WHO Recommendations on Antenatal Care for a Positive Pregnancy Experience)</td>
</tr>
<tr>
<td>L2</td>
<td>Semi-Structured</td>
<td>Flow diagram, decision tree, or other similar format that describes recommendations for implementation</td>
<td>Part of the Accelerator Kits</td>
</tr>
</tbody>
</table>
| L3              | Structured  | Standards-compliant specification encoding logic with data model(s), terminology/code sets, value sets that is ready to be implemented | • Accelerator Kits + FHIR Resource Mapping  
• Computable Guidelines (CQL + FHIR) |
| L4              | Executable  | CDS implemented and used in a local execution environment (e.g., CDS that is live in an electronic health record (EHR) production system) or available via web services | Reference software (e.g. OpenSRP Antenatal Care [ANC] module) |

Adapted from: Boxwala, AA, et al.. A multi-layered framework for disseminating knowledge for computer-based decision support. J Am Med Inform Assoc 2011(18) i132-i139.
Thank You!
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