Mobilizing Computable Biomedical Knowledge
The Manifesto

Nancy M. Lorenzi
Reactor Panel
Douglas Van Houweling
Peter Embi
Why—CBK is Needed

• Knowledge has the **power** to improve health of individuals and populations
• Every decision affecting health should be informed by the best available knowledge
• Computable forms of knowledge can generate and deliver needed health advice where and when it is needed
Why—a Manifesto

- Offers clarity of purpose
- Sets direction
- Engages participants
- Helps guide decisions
- Specifies the technical drivers

- A famous manifesto

The Declaration of Independence

When in the course of human events, it becomes necessary for one people to dissolve the political bonds which have connected them... We hold these truths to be self-evident, that all men are created equal, that they are endowed by their creator with certain unalienable rights, that among these are Life, Liberty and the Pursuit of Happiness...
Why—The CBK Manifesto

• The Computable Biomedical Knowledge VISION is to create an ECOSYSTEM that will work toward ensuring that biomedical knowledge that reflects the best and most current evidence and science can be mobilized to support health.

• That the knowledge can be shared by multiple people and organizations and integrated into health information systems and applications for all.
How

• The Computable Biomedical Knowledge (CBK) effort is an ecosystem sustained through public-private partnerships

• The Computable Biomedical Knowledge ecosystem will
  – have a participatory governance and be collaborative
  – be identified as a source of trust
  – be diverse, inclusive, and provide equity and accessibility
  – have high standards of privacy and security
  – support open standards
  – have value for knowledge creators, users and the public
  – be agile for changes in knowledge
  – support transparency, validity and provenance of knowledge
  – will have a pipeline that transitions knowledge from human-readable to fully computable
Reactor Panel

• Douglas Van Houweling. PhD
  – University of Michigan, School of Information
  – He has a long career in higher education information technology leadership and management

• Peter Embi
  – President & CEO, Regenstrief Institute, Inc. Indianapolis
  – Professor of Medicine, Associate Dean for Informatics & Health Services Research, Indiana University U School of Medicine