Health IT’s Role in Diagnostic Safety

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Agenda

• Session Overview and Goals

• Foundations for Future Work

• Panelist Introductions

• Overarching Questions
Session Overview and Goals

Building from this report:

• Explore the state of the science
• Identify gaps
• Solicit specific suggestions
Session Focus

Health IT Tools

- EHR systems
- Clinical decision support
- Computerized order entry
- Lab and medical imaging systems
- Health information exchange
- Patient engagement tools

Image adapted with permission from National Academy of Medicine
Foundations for Future Work

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Foundations for Future Work (cont’d)
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Enhancing Cognition in an Age of Information Overload

- Global scientific output doubles every 9 years
- Medical data to double every 73 days by 2020
- Various approaches exist to enhance cognition via big data analysis at multiple data levels (i.e., molecular, tissue, patient, population)

- IBM Watson pinpoints rare form of leukemia after doctors misdiagnosed patient: The supercomputer identified a different type of cancer than the one doctors were currently treating for a patient in Japan.
AHRQ Health IT Funding

• Apply now for Research Demonstration and Dissemination Projects in clinical decision support:


• The Division of Health IT is actively seeking R03, R21, R18, and R01 applications to study:


Pascale Crayon

- Procter & Gamble Bascom Professor in Total Quality
- Director, Center for Quality and Productivity Improvement
- University of Wisconsin-Madison
Panel Members (cont’d)

Jason Adelman

- Chief Patient Safety Officer
- Associate Chief Quality Officer
- New York-Presbyterian Hospital/ Columbia University Medical Center
Overarching Questions

1. The state of the science:
   What else are you aware of?

2. What are the important gaps?

3. What are the priorities?