

The background of the slide features a close-up, shallow depth-of-field photograph of several pushpins. The pushpins are arranged in a way that creates a sense of depth, with some in sharp focus and others blurred. The lighting is soft, highlighting the metallic texture of the pushpin heads and the smooth surface of the pins. The overall color palette is muted, consisting of greys, blacks, and whites, which makes the blue text stand out.

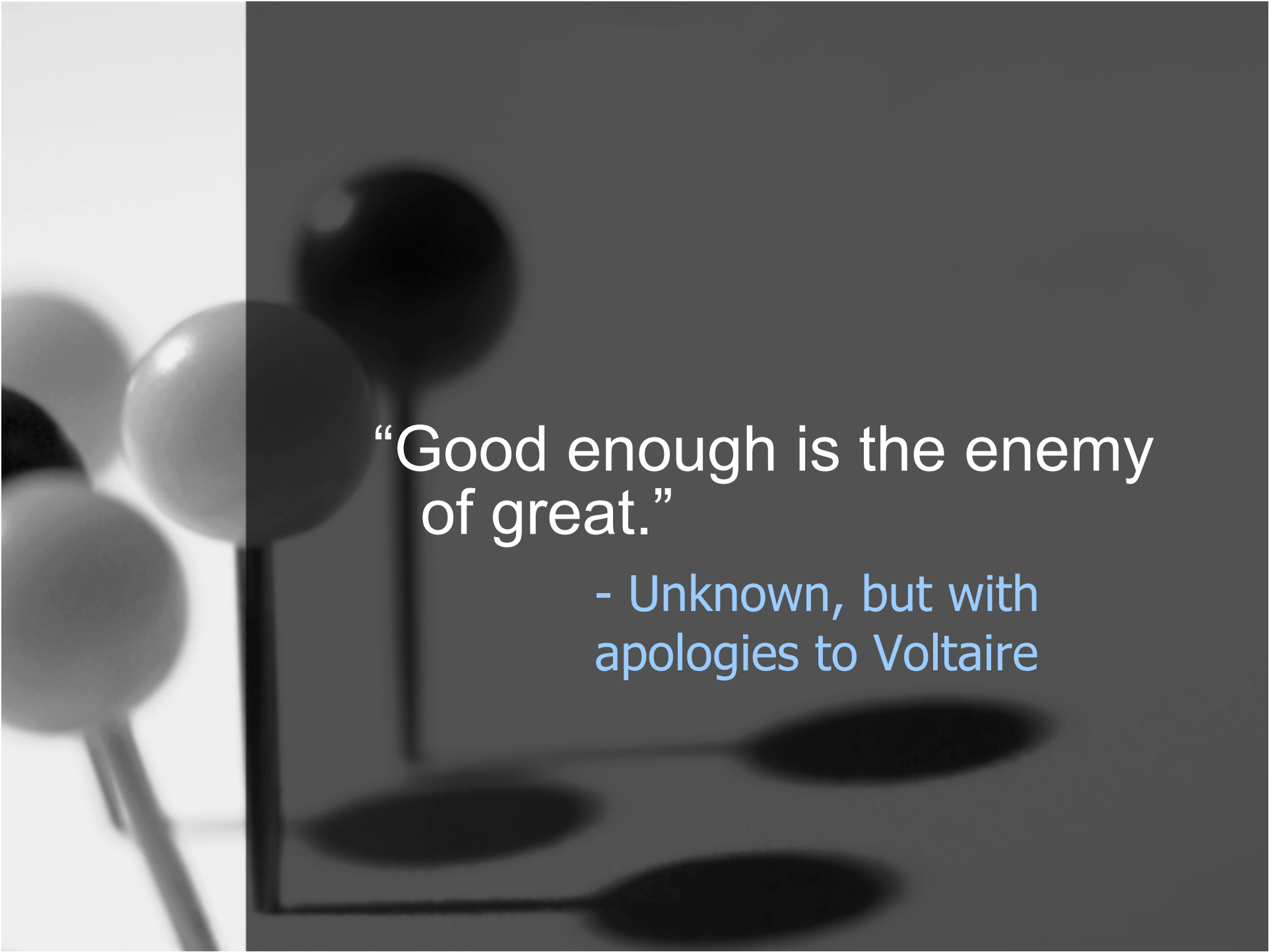
Health Level 7 & the Future of Standards Development Collaboration

HIMSS 09

Chicago

April 5, 2009





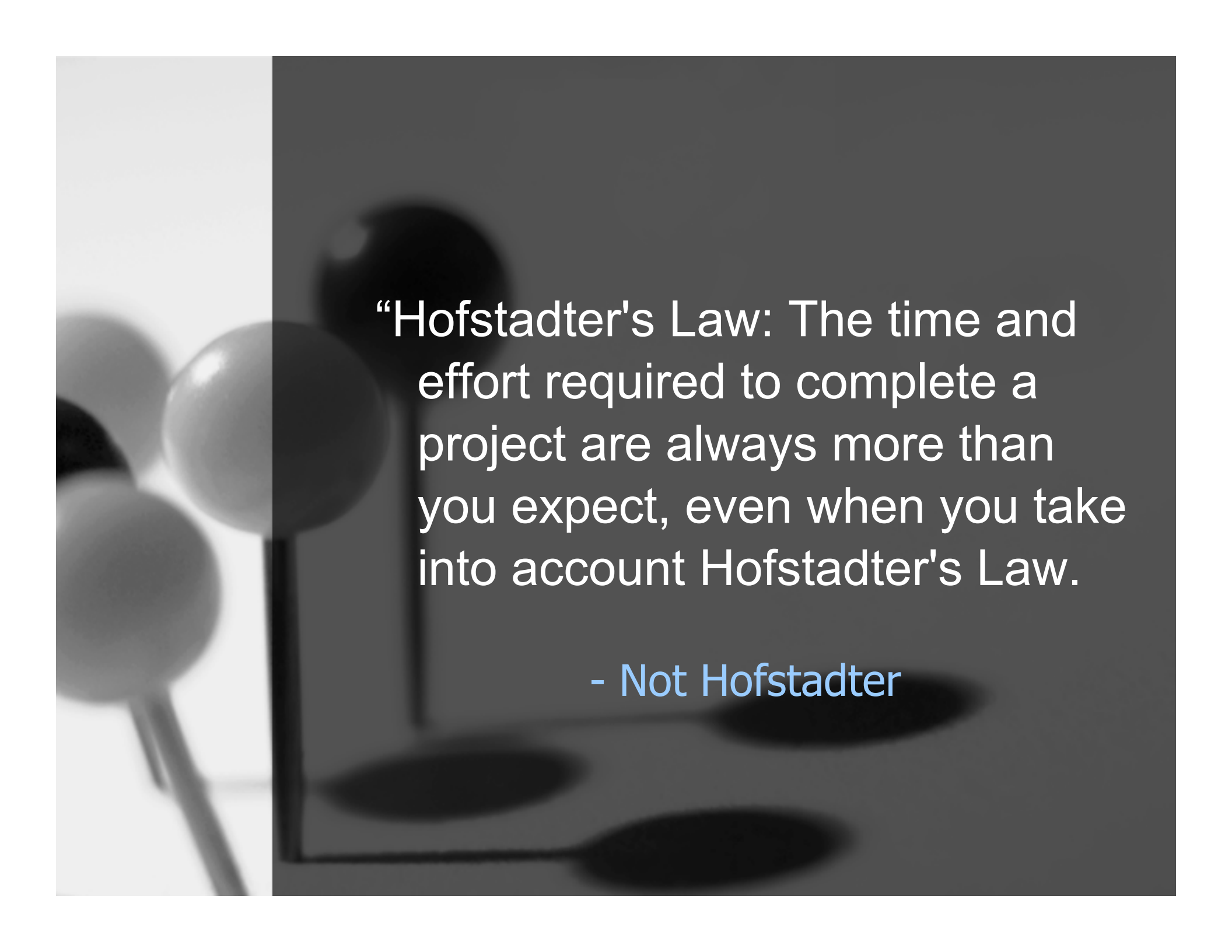
“Good enough is the enemy
of great.”

- Unknown, but with
apologies to Voltaire



HL7 in 1987

- It was easier when we were almost alone.
- Change Management is the toughest part of becoming effective.
- Collaboration is the most difficult way to achieve progress, but almost always the best.



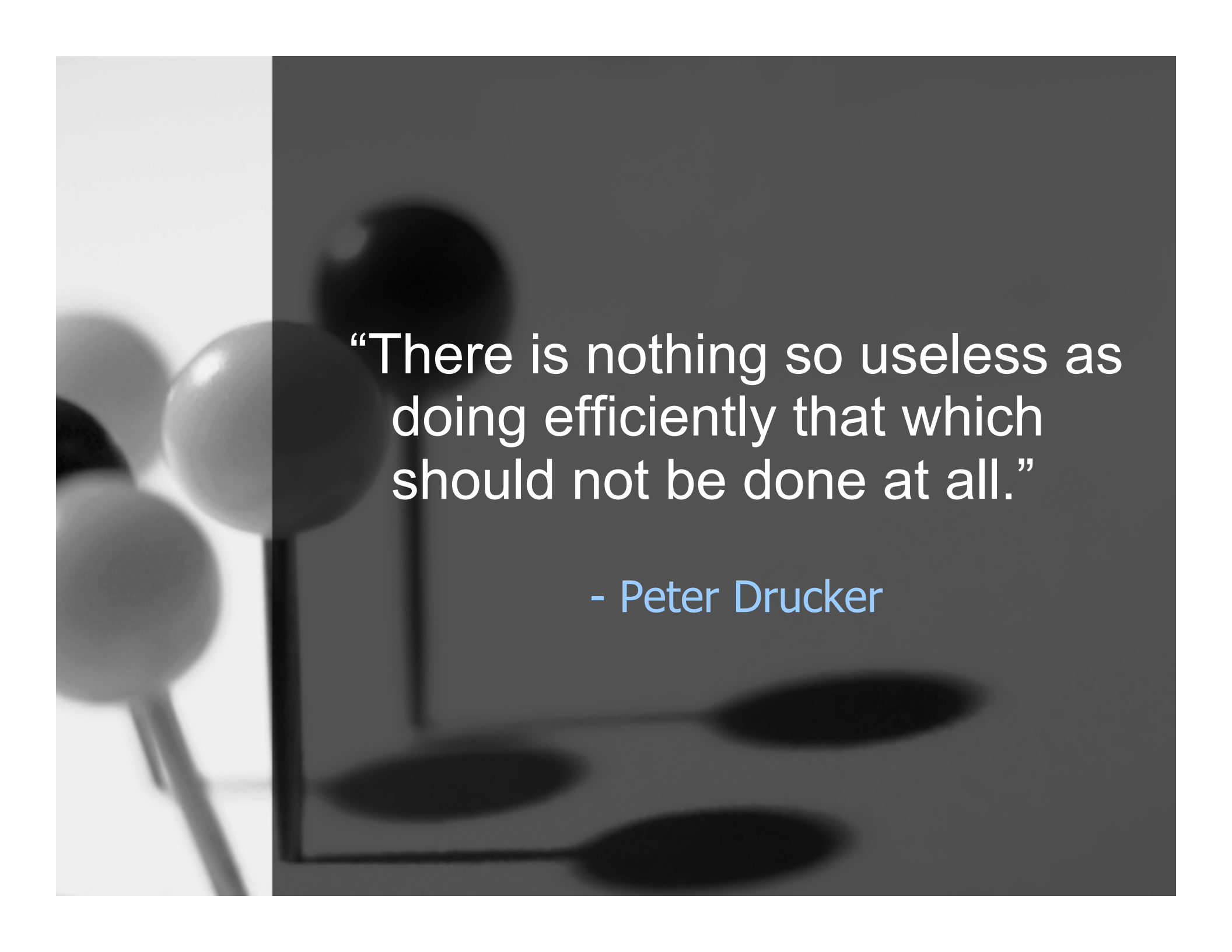
“Hofstadter's Law: The time and effort required to complete a project are always more than you expect, even when you take into account Hofstadter's Law.

- Not Hofstadter



HL7 in 1997

- HL7 promotes further evolution of the Reference Information Model (RIM) and of Version 3.
- Complexity breeds contempt.
- Our harshest critics become our best allies.



“There is nothing so useless as doing efficiently that which should not be done at all.”

- Peter Drucker



HL7 in 2009

- Congress introduces ARRA & HITECH
- Interoperability takes on a whole new meaning
- Our best allies bring reality to collaboration



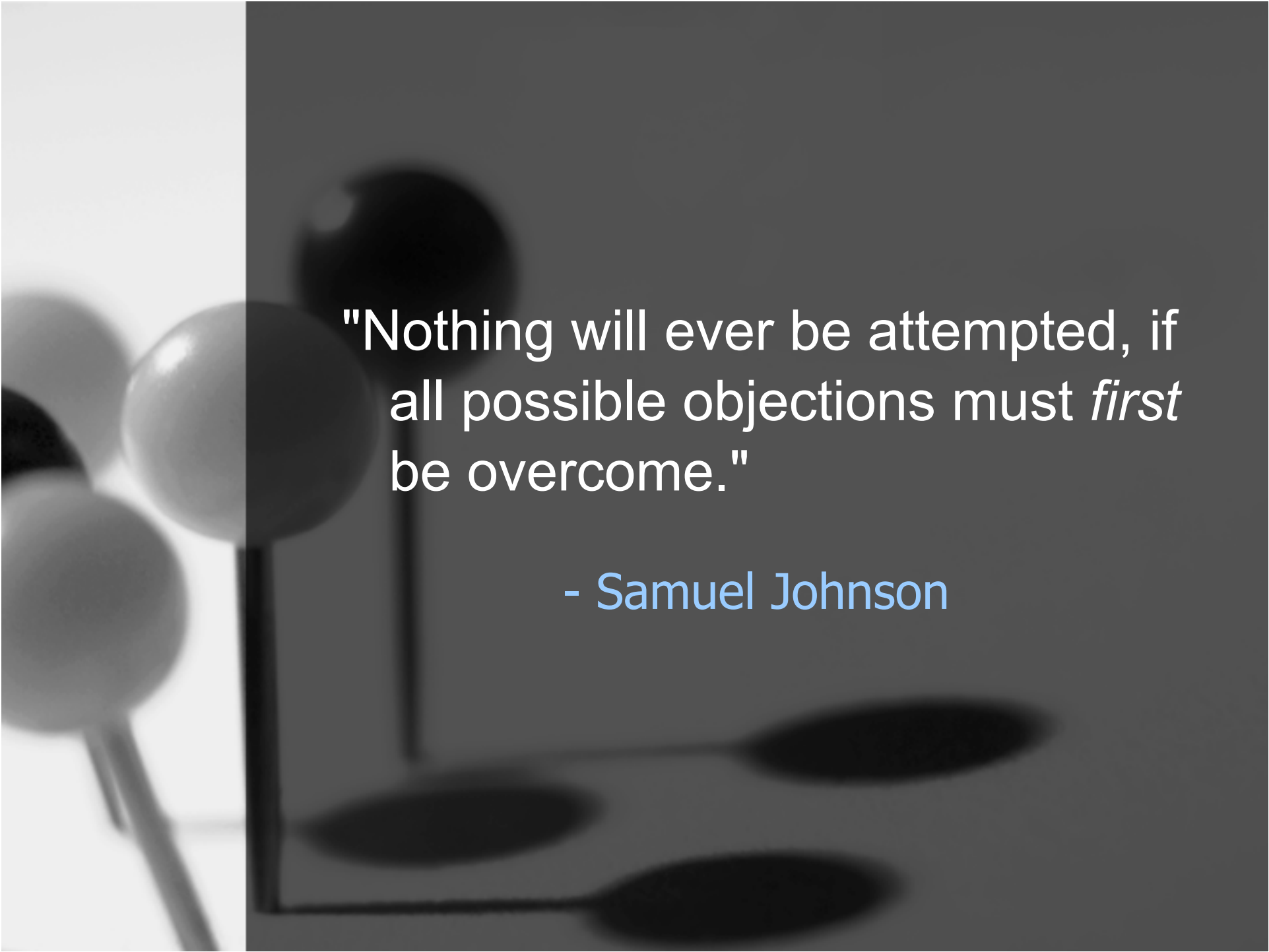
“How much easier it is to be
critical than to be correct.”

- Benjamin Disraeli



Collaboration breeds Interoperability

- Interoperability adds the dimension of re-use
- Standards development can no longer operate in a vacuum.
- And (almost) everyone says so.




"Nothing will ever be attempted, if all possible objections must *first* be overcome."

- Samuel Johnson



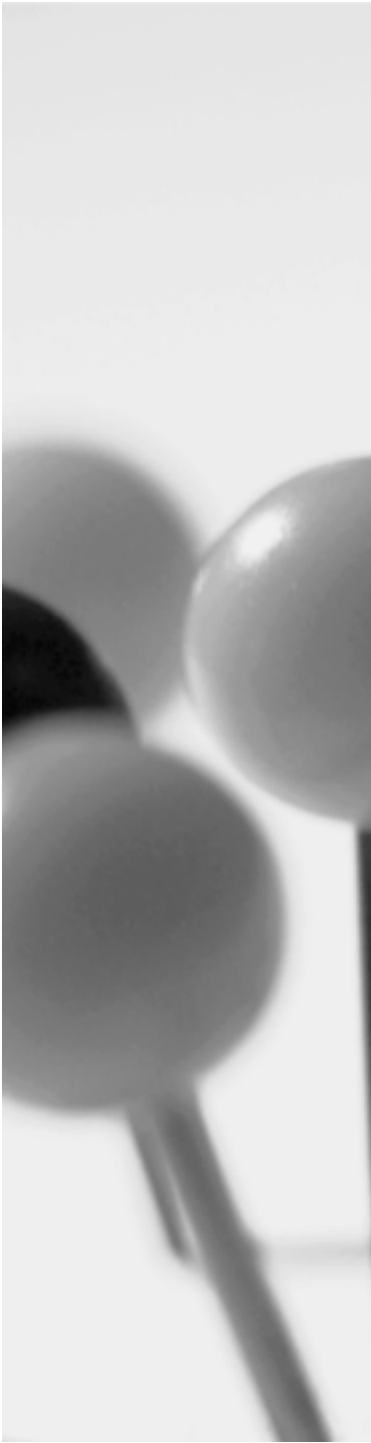
Collaboration breeds Interoperability: Decision Support

- The *critical* element is driving EHR value and adoption
- Collaborators: CDSC & Morningside Consortium
- Objective: a unifying architecture and multiple specifications



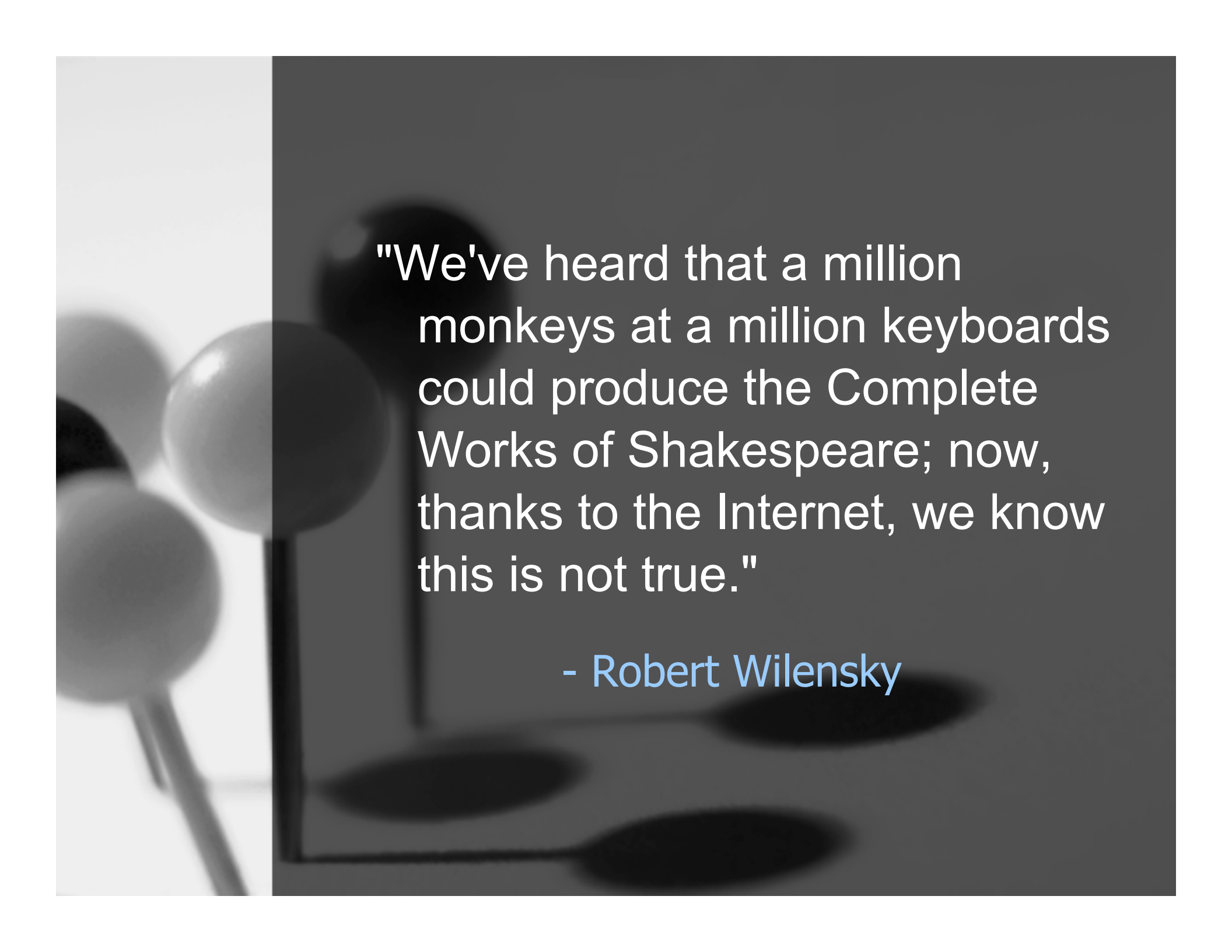
"If you put the federal government in charge of the Sahara Desert, in 5 years there'd be a shortage of sand."

- Milton Friedman



Collaboration breeds Interoperability: Quality

- Quality is more than metrics. Quality changes the care paradigm.
- Collaborators: National Quality Forum, PQRI, and the Quality Collaborative
- Objective: translating best practices, clinical guidelines into evidence-based medicine into actionable information



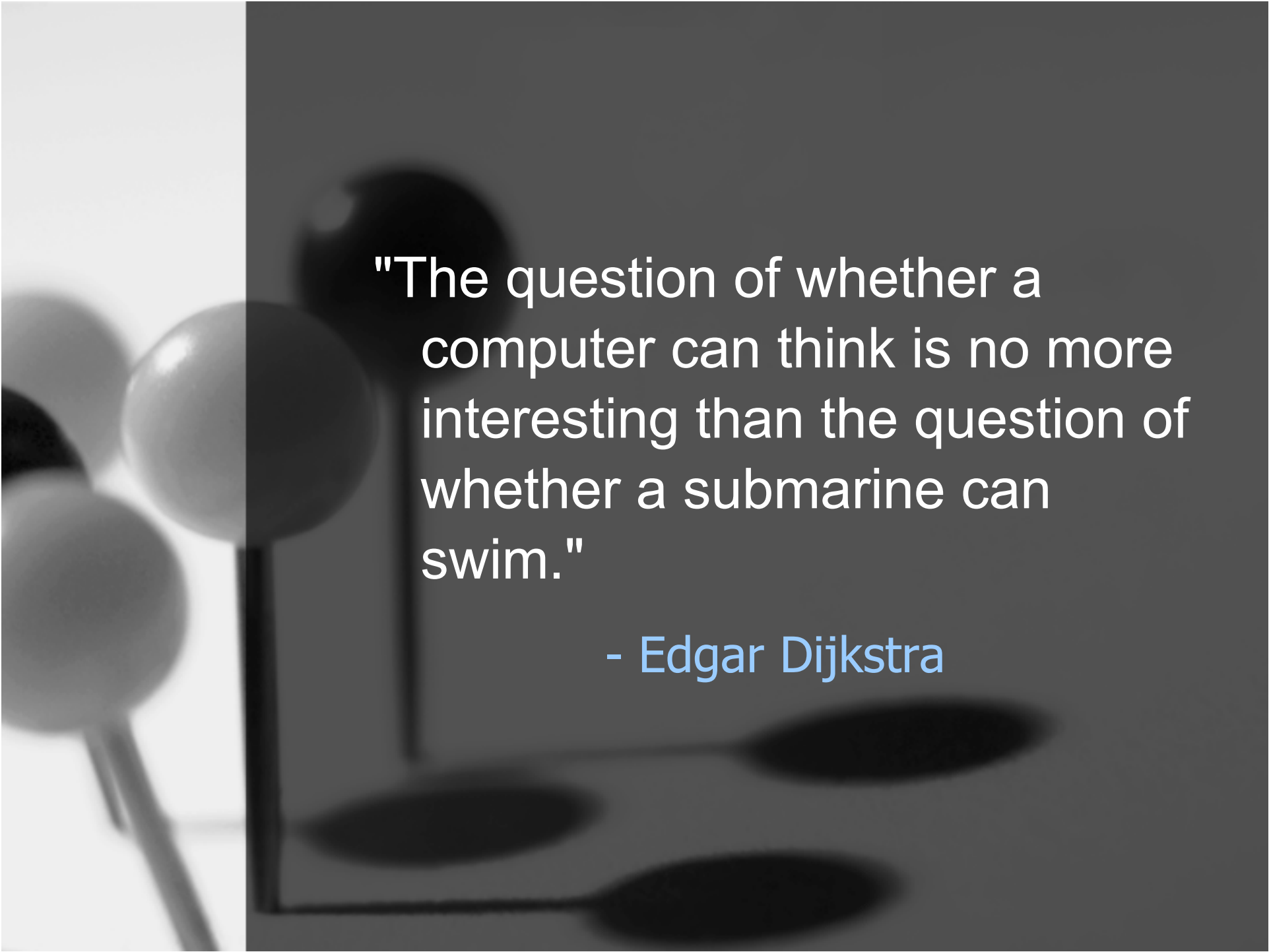
"We've heard that a million monkeys at a million keyboards could produce the Complete Works of Shakespeare; now, thanks to the Internet, we know this is not true."

- Robert Wilensky



Collaboration breeds Interoperability: Clinical Research

- Patient care and clinical research are not stand-alone entities
- Collaborators: CDISC, National Cancer Institute, FDA
- Vehicle: BRIDG Model
- Objective: seamless interchange of clinical and research data
- Big picture: Research informing patient care and patient care informing research



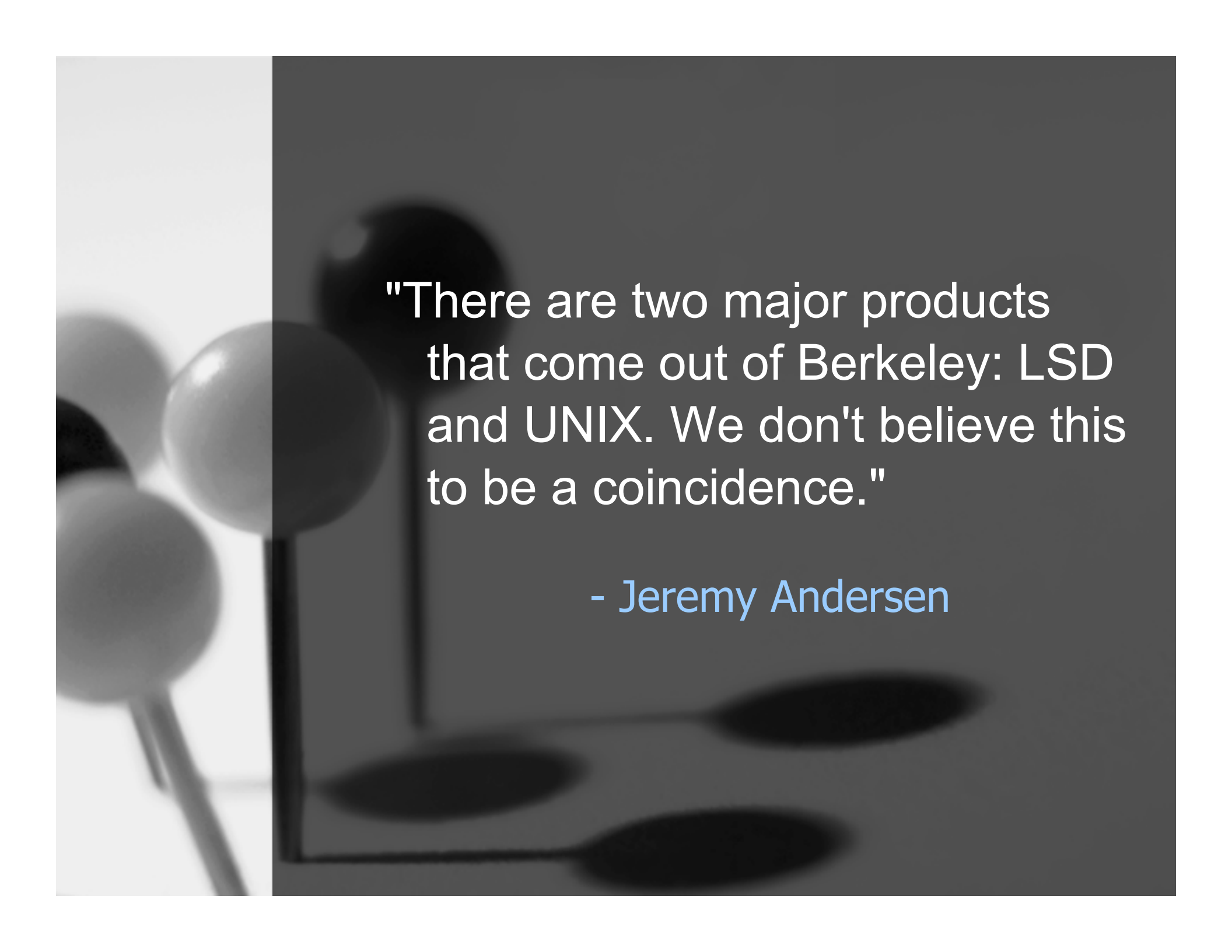
"The question of whether a computer can think is no more interesting than the question of whether a submarine can swim."

- Edgar Dijkstra



Collaboration breeds Interoperability: Biosurveillance

- Driver: Data exchange in real time. Success of CDA.
- Collaborators: CDC
- Objective: bringing local data to a central warehouse & informing the local and regional Departments of Public Health




"There are two major products that come out of Berkeley: LSD and UNIX. We don't believe this to be a coincidence."

- Jeremy Andersen



Collaboration breeds Interoperability: Internationalism

- Driver: Healthcare on a global stage
- Collaborators: Joint Initiative Council (ISO, CEN, CDISC, IHTSDO)
- Objective: enabling harmonization AND identifying and closing the gaps



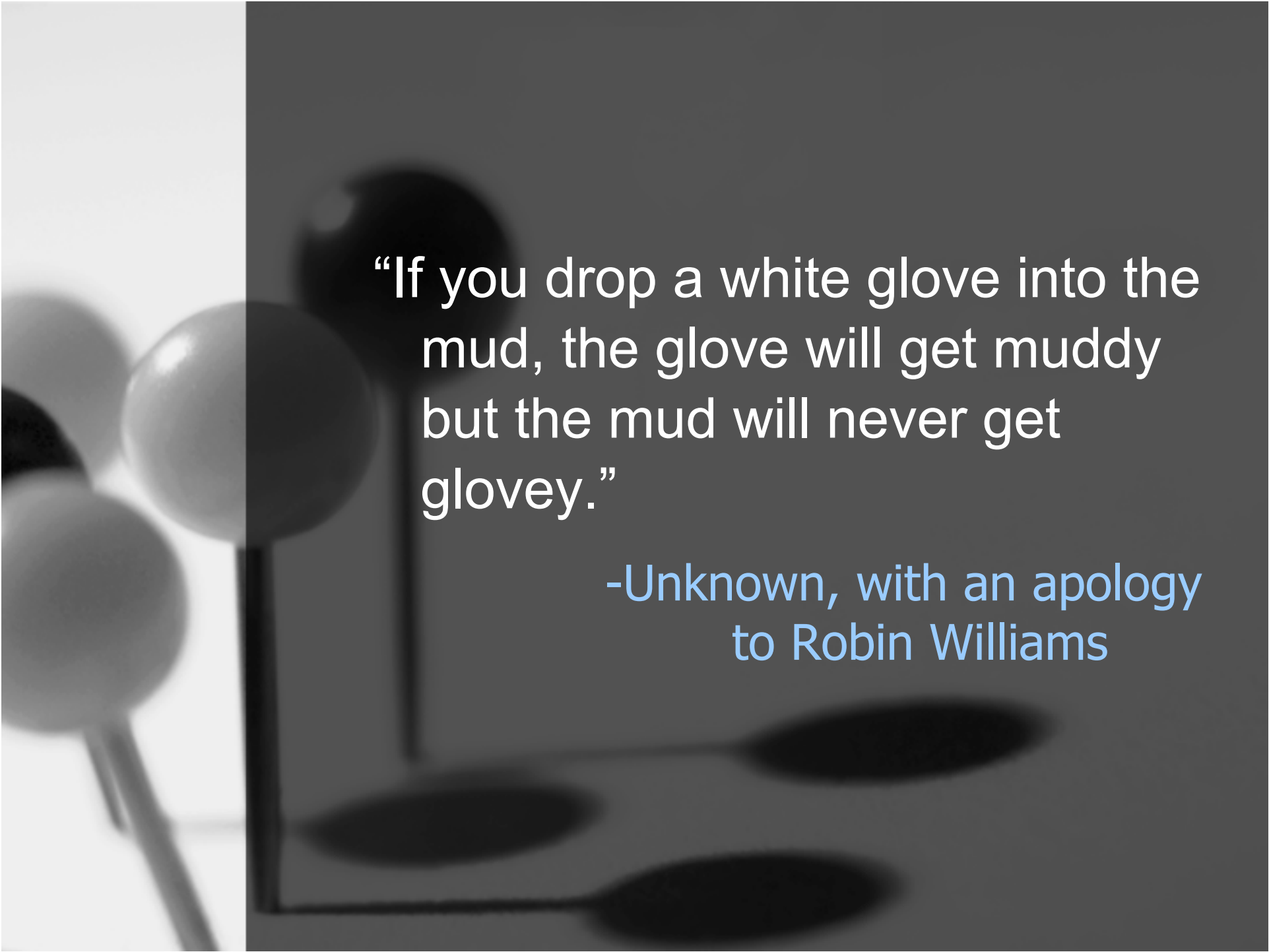
“If you’re doing something the same way for ten years, the chances are you are doing it wrong.”

- Charles Kettering



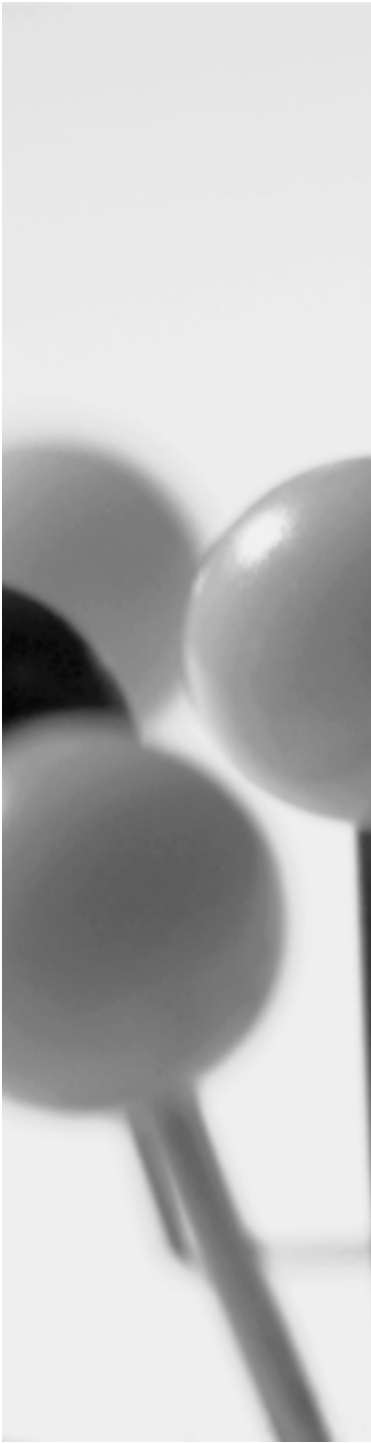
Collaboration breeds Interoperability: Healthcare Capacity Building

- Driver: Healthcare on a global stage
- Collaborators: WHO, AMIA, Rockefeller Foundation
- Objective: bringing standards development to the emerging nations



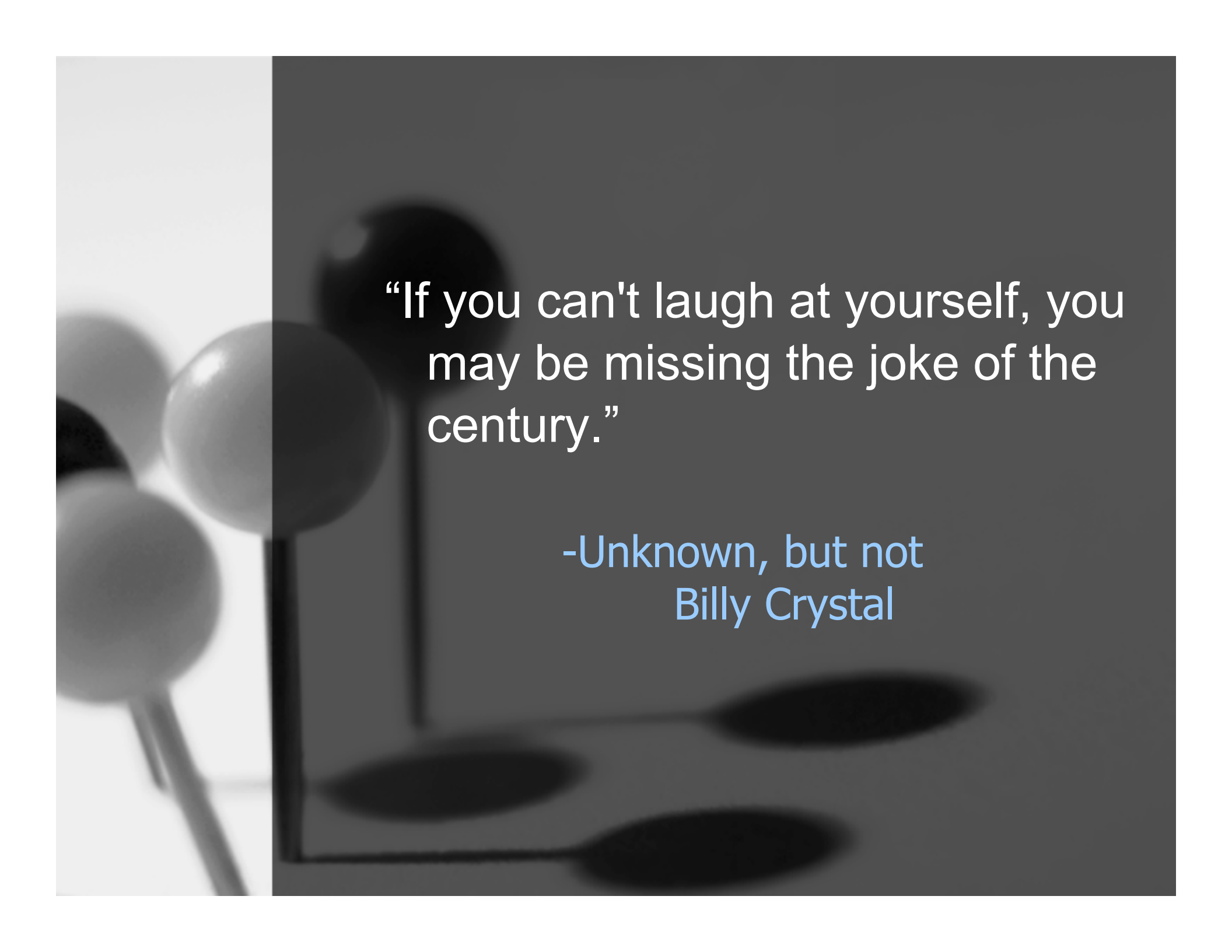
“If you drop a white glove into the mud, the glove will get muddy but the mud will never get glovey.”

-Unknown, with an apology
to Robin Williams



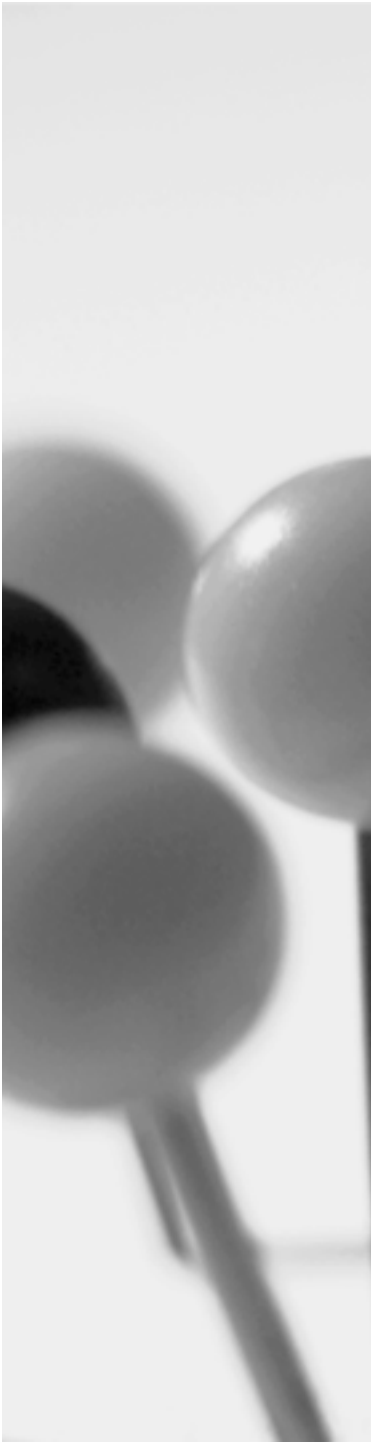
Collaboration breeds Interoperability: Pharmacovigilance

- Driver: Post-approval drug safety
- Collaborators: CDISC, FDA, EMEA, CEN
- Objectives: assuring that patient protection does not end at drug and device approval



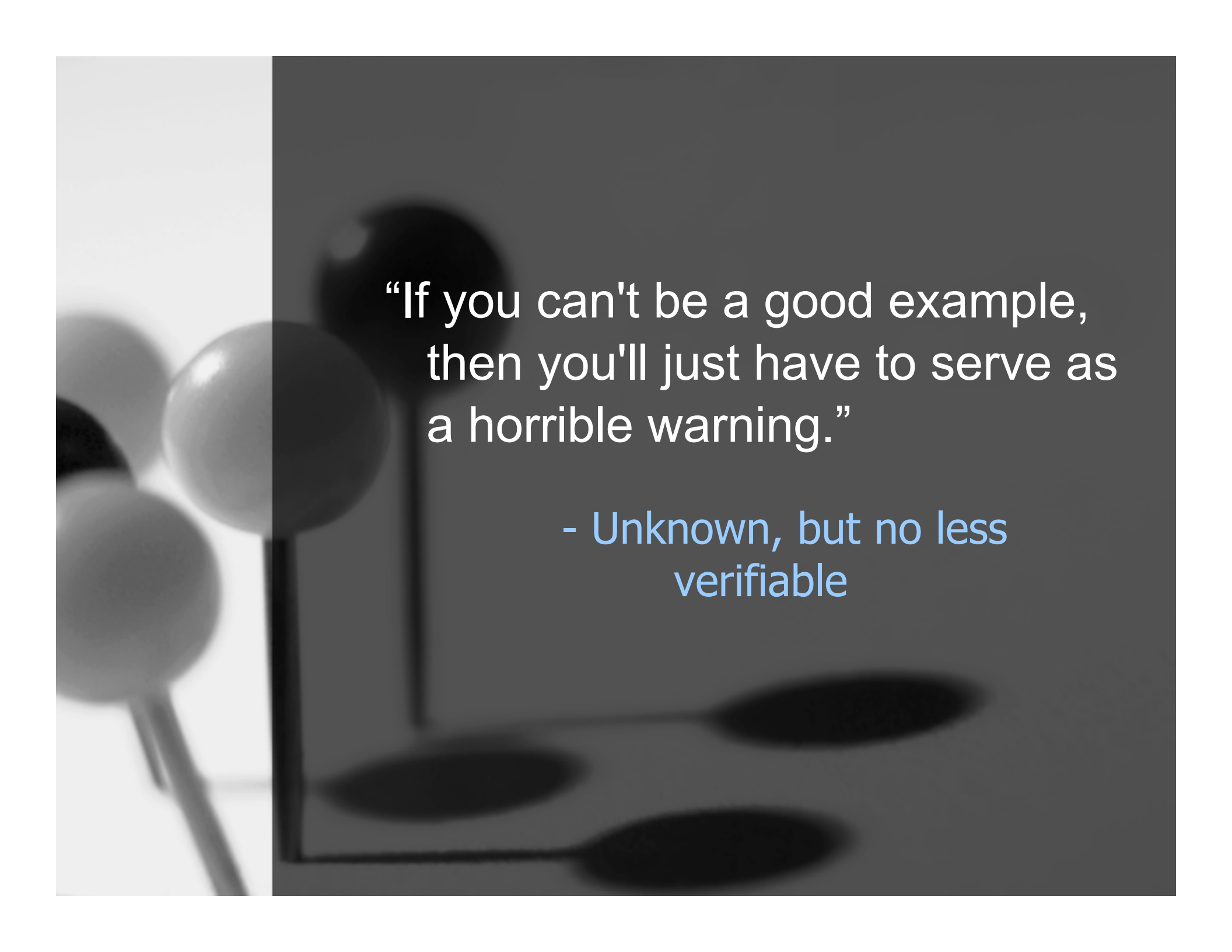
“If you can't laugh at yourself, you
may be missing the joke of the
century.”

-Unknown, but not
Billy Crystal



Collaboration breeds Interoperability: Clinical Workflow

- Driver: Caregivers are often excluded from the very processes for which the solutions are developed
- Collaborators: AHRQ, Medical and other Specialty Societies, and the Clinical Interoperability Council
- Objective: definition of the needs of the clinician relating to workflow, terminology, and business needs

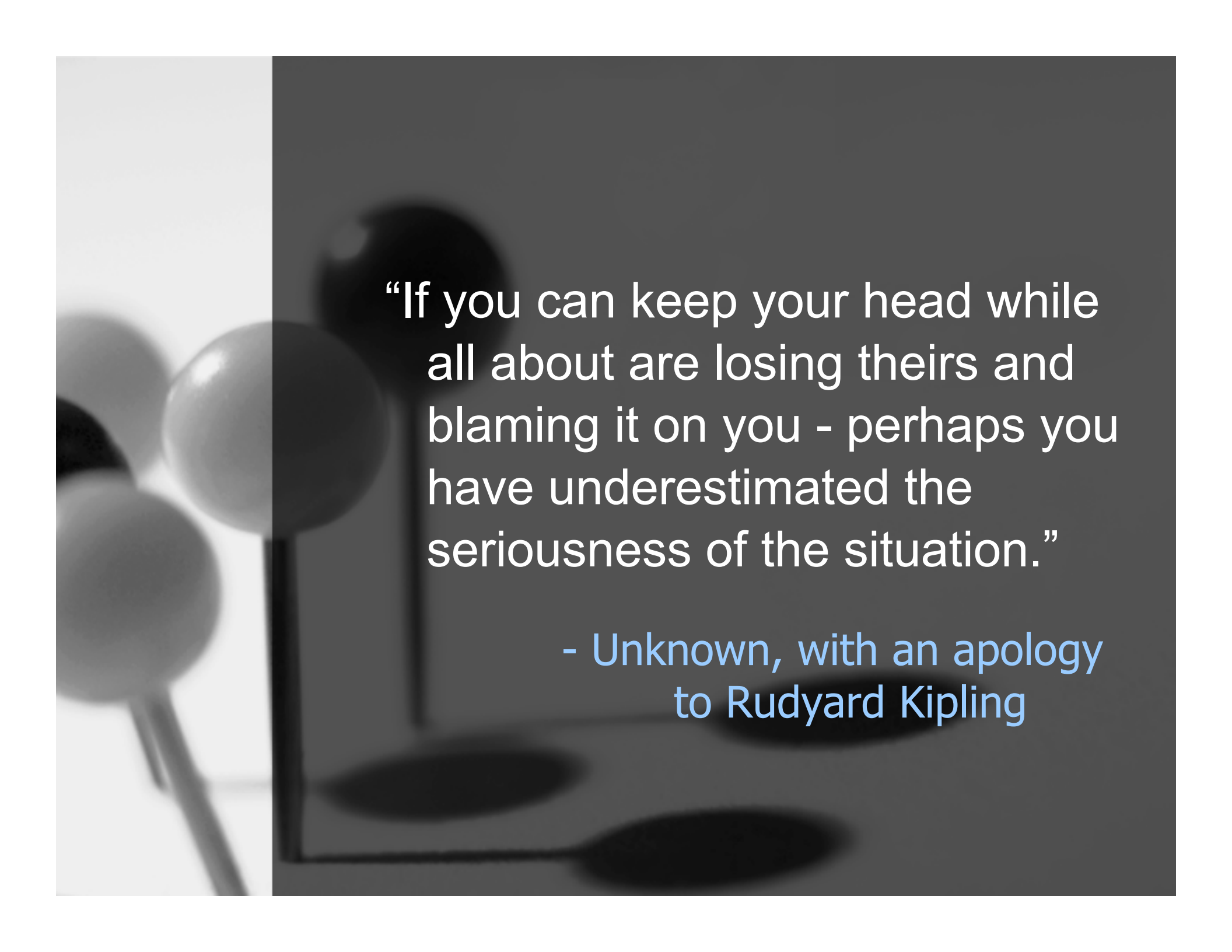


“If you can't be a good example,
then you'll just have to serve as
a horrible warning.”

- Unknown, but no less
verifiable

SDO Charter Organization (2009)

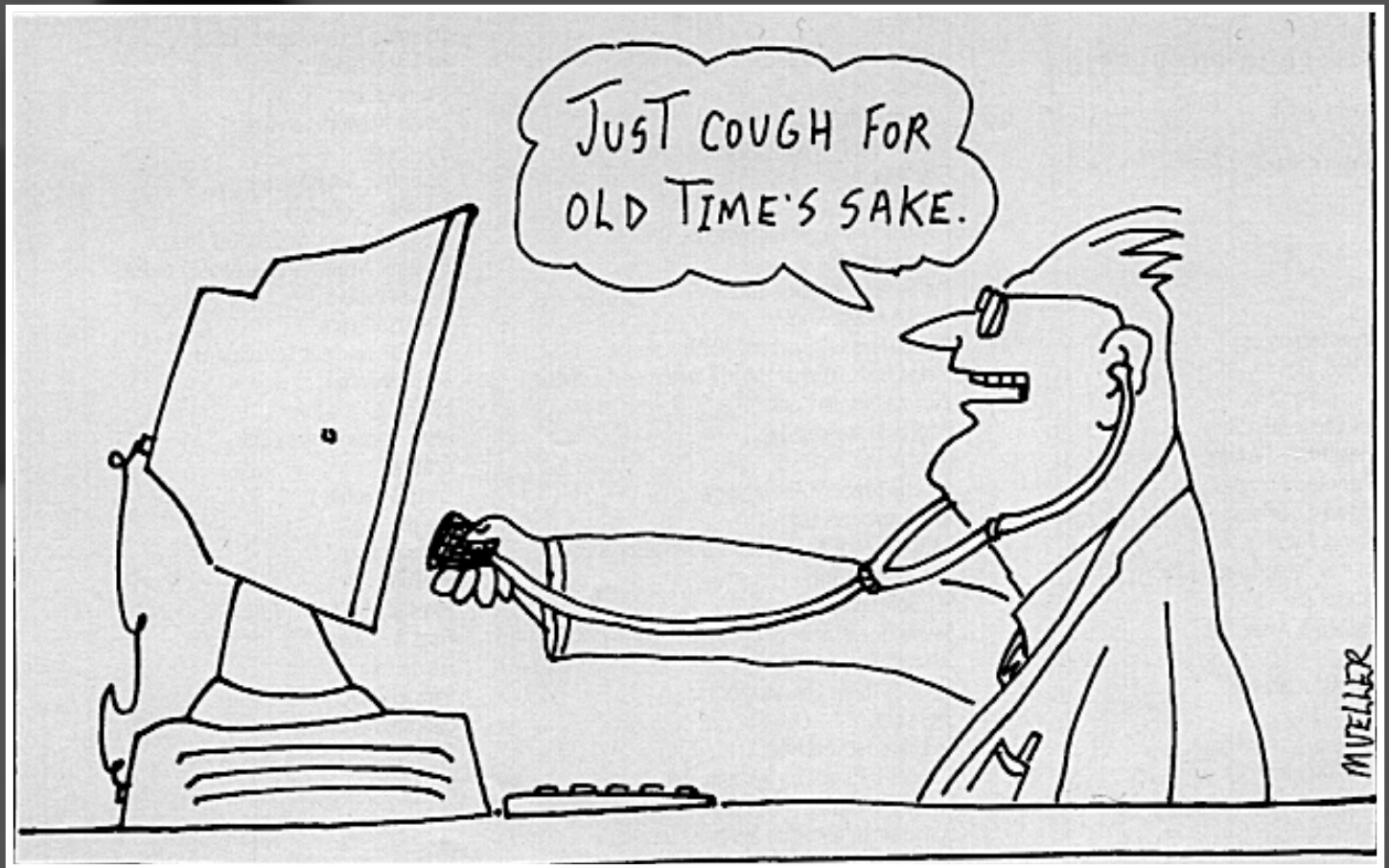
- The emerging standard for collaboration
- SDOs: HL7, NCPDP, ASC X12, CDISC, ASTM, (WEDI)
- Formal Observers: ANSI, FHA, HITSP, ONC, SSA, IHE, ISO US TAG



“If you can keep your head while
all about are losing theirs and
blaming it on you - perhaps you
have underestimated the
seriousness of the situation.”

- Unknown, with an apology
to Rudyard Kipling

Thanks



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