

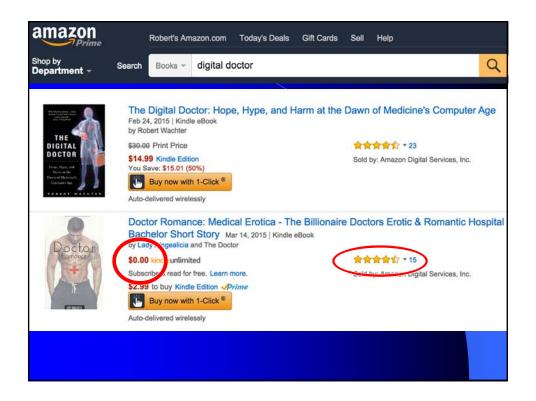
Robert M. Wachter, MD
Professor and Chair, Department of Medicine
University of California, San Francisco

@Bob\_Wachter

### **Disclosures**

Dr. Wachter receives royalties from McGraw-Hill for writing/editing several books (including one on digital health); receives stock options for serving on the board of Accuity Medical Management Systems; receives a yearly stipend for serving on the board of The Doctors Company; serves on the scientific advisory boards for Amino.com, PatientSafe Solutions, Twine, and EarlySense (for which he receives stock options); has a small royalty stake in CareWeb, a hospital communication tool developed at UCSF.









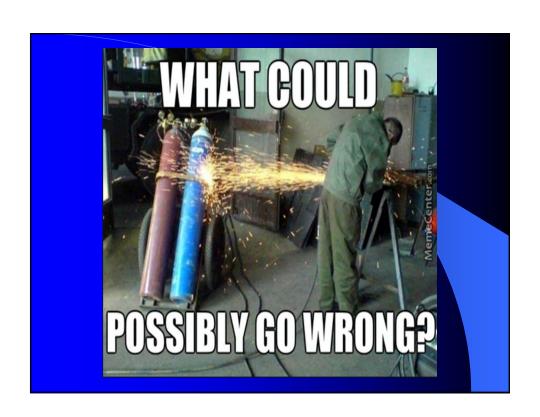
# **The Big Picture:** Two Transformational Trends

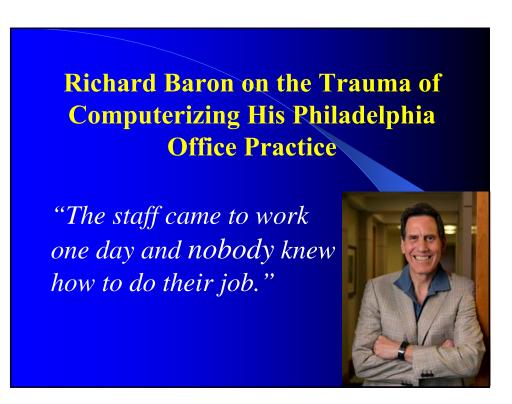
Pressure to deliver highvalue care

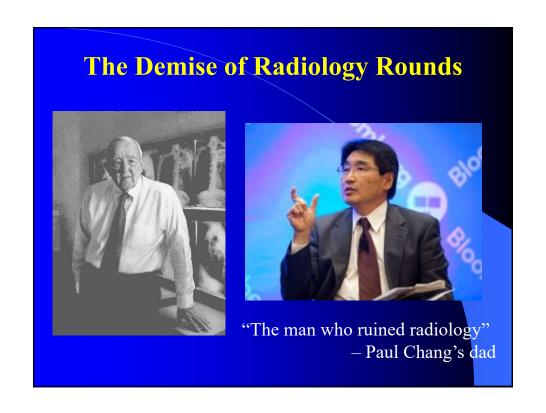
The digitization of the U.S. healthcare system

**Today** 

The Dominant Issue Prediction: The Dominant Issue in 2025





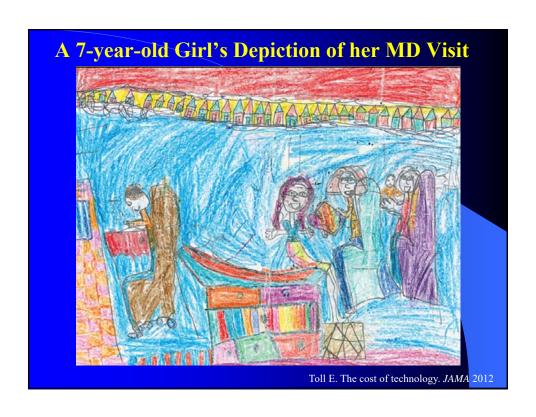


# Digital Radiology as the Canary in the Coal Mine

- The digitization of the thing creates the opportunity for infinite distribution (at no cost)
- Social relationships and communication patterns that previously depended on gathering around the thing will wither
- Power relationships mediated by who controls the thing will be renegotiated
- What happens when the thing isn't the film, it's the medical record...







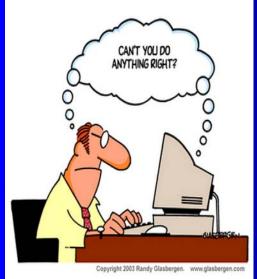
# 2014 Advertisement For AZ ER Job

**Arizona General Hospital** will be coming to The Grand Canyon State later this year!! Located in Laveen, Arizona, AGH is a 40,000 square-foot boutique general hospital. *Services offered include:* 

- Emergency Room
- Radiology Suite inc. CT, X-Ray, and Fluoroscopy
- Two State-Of-The-Art Operating Rooms
- Outpatient Surgery
- 16 Inpatient Rooms
- NO ELECTRONIC MEDICAL RECORD



# What Went Wrong? • Adaptive v



- Adaptive vs. technical change
- Connecting the parts
- The digital squeeze on physicians
- The Productivity Paradox

# Health IT: The Mother of all Adaptive Problems

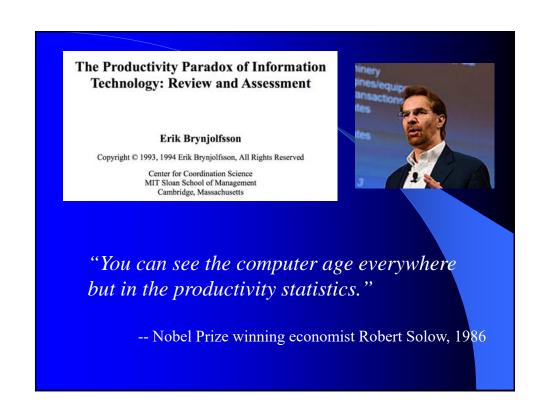


"... problems that require people themselves to change. In adaptive problems, the people are the problem and the people are the solution. And leadership then is about mobilizing and engaging the people with the problem rather than trying to anesthetize them so that you can just go off and solve it on your own."

Ronald Heifetz, Kennedy School of Government

# The Four Stages of Health IT 1. Digitizing the record 2. Connecting the parts a. Enterprise system to enterprise system b. Third-party apps to enterprise systems c. Patient-facing systems to enterprise systems, and to one another 3. Gleaning meaningful insights from the data 4. Converting these insights into action that improves value







## What Do We Need to Do?

- Connect the digital pieces
- Learn to use our data for improvement, build decision support
- Build skills, culture, governance to reimagine the work
  - As much about teamwork, QI, systems as IT
  - Need new workflows, personnel, leadership
  - Need to optimize after initial training/Go Live
- Retain sense of optimism: it'll get better

