Agenda

• Information management as a core capability in medicine
• How does IT change the way physicians learn?
• What does the future hold?
Moving Past Hippocrates

Information is the *lifeblood* of medicine

We manage information as *Hippocrates* did in 400 B.C.

Health IT is the *circulatory* system of modern health care
How I Learned to Practice Medicine
How My Children will Practice Medicine

Life Record + iPhone

Medical Records In The Palm of Your Hand
Introducing the First and Only EMR To Run On The iPhone
Undergraduate Medical Education: The Virtual Curriculum

- On-line curricula.
  - Pre-clinical years.
  - Distance learning.
    - New meaning to the concept of “off-shore” education.

- Simulation.
  - Clinical years.
Information in Medicine

Electronic Health Record
Electronically capturing and processing information about patients

Health Information Exchange
Exchanging health information

Clinical Decision Support
Improved care decisions
Clinical Decision Support (CDS)

- Uses algorithms, order sets, guidelines, and institutional policy to encourage evidence-based practices
- Powers Computerized Provider Order Entry to change practice:
  - Validates order appropriateness
  - Verifies similar order has not been placed
  - Able to stratify based on patient characteristics

Outpatient CT Examination Volumes

Drug allergy alert

Decision algorithm

Order set

Just in time, automatic doses of information
Asking questions of the health information network