

Health IT in the U.S.: An Update



Ashish K. Jha, MD, MPH
Harvard School of Public Health
VA Boston Healthcare System



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U.S. Healthcare

- \$2.5 trillion in 2009 and rising
 - 17.3% of GDP
 - Biggest domestic policy issue
- Quality is disappointing
 - Failure to translate knowledge into practice
- Care is often unsafe
 - Tens of thousands of Americans die from MEs

Why HIT?

- Paper-based records part of the problem
 - Inability to access key data at the point of care
 - Leads to large number of errors
 - Practice of “defensive” medicine
 - Redundant and un-necessary tests

HITECH 2009

- Over \$30 Billion for HIT
 - Mostly in direct incentives for providers for “meaningful use”
 - Incentives start in 2011
 - Must adopt by 2014
 - Penalties (lower reimbursements) kick in thereafter

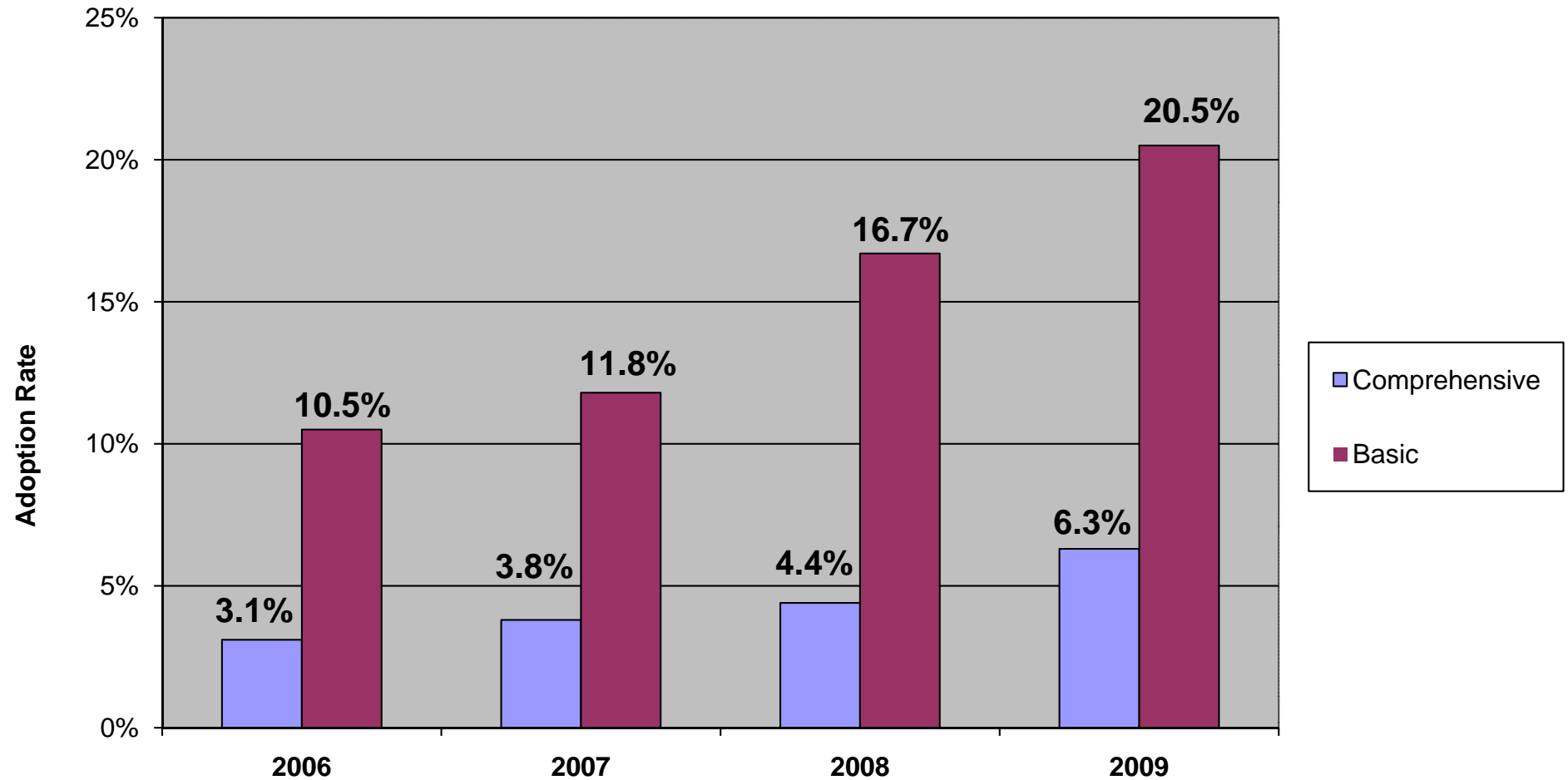
Where are we with EHRs?

- What do we mean by EHR?
- What are the adoption rates in:
 - Ambulatory Care?
 - Hospitals?

Survey Overview

- Nationally representative sampling
 - Focus on adequate RR
- EHR Definitions from Expert Panel
 - Basic: 7 functions
 - Clinical notes, problem lists, medication lists
 - Electronic prescribing, results management
 - Comprehensive: 17 functions

Ambulatory EHRs

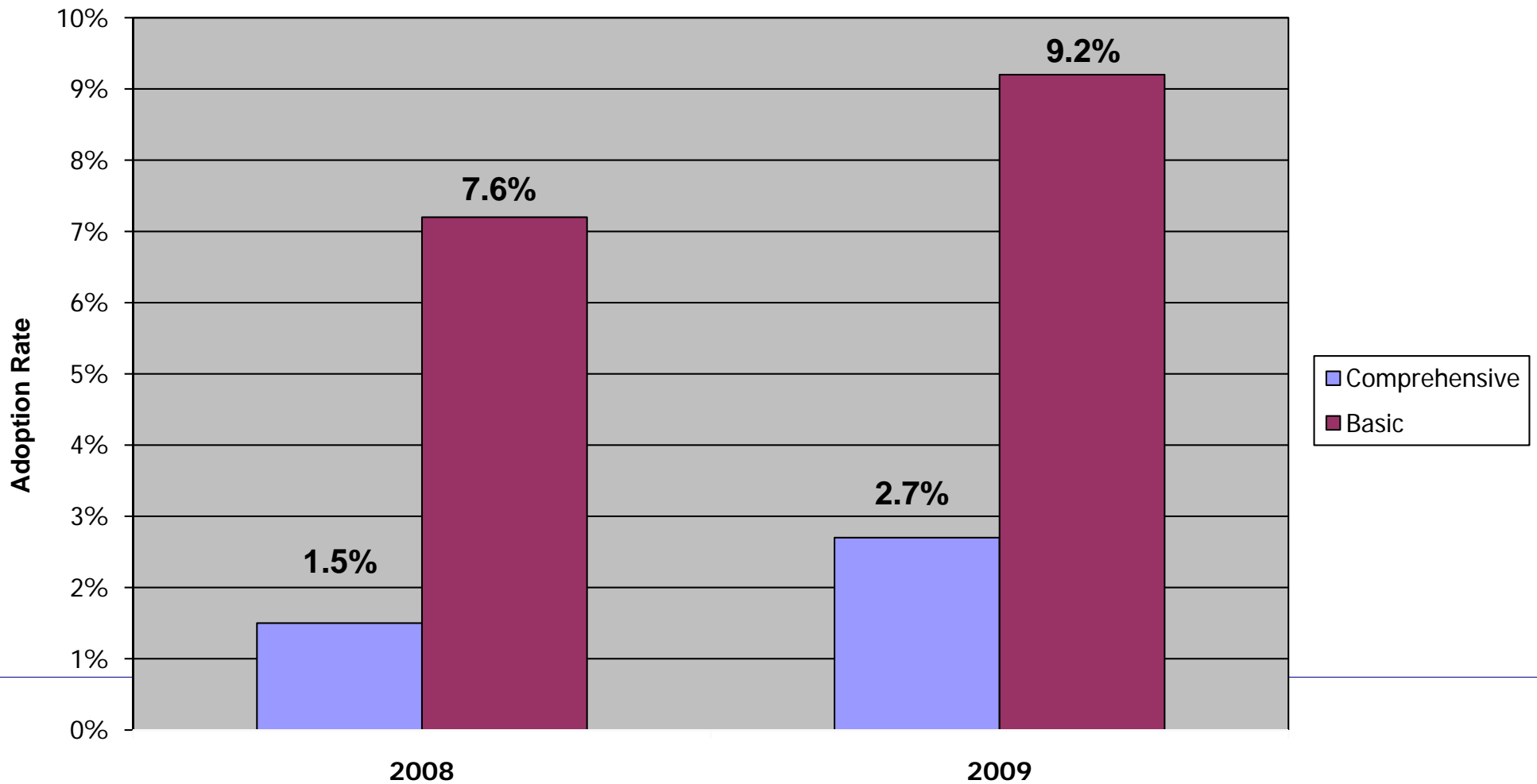


Based on NAMCS data

Hospital Survey

- Survey of all acute-care hospitals
 - Lead by AHA
 - High response rates
- EHR Definitions:
 - **Basic:** 10 functionalities in at least one clinical unit
 - **Comprehensive:** 24 functionalities in ALL major clinical units
- Follows the pattern of ambulatory care

Prelim Results: Hospital EHRs 2009



What might we predict about
Meaningful Use?

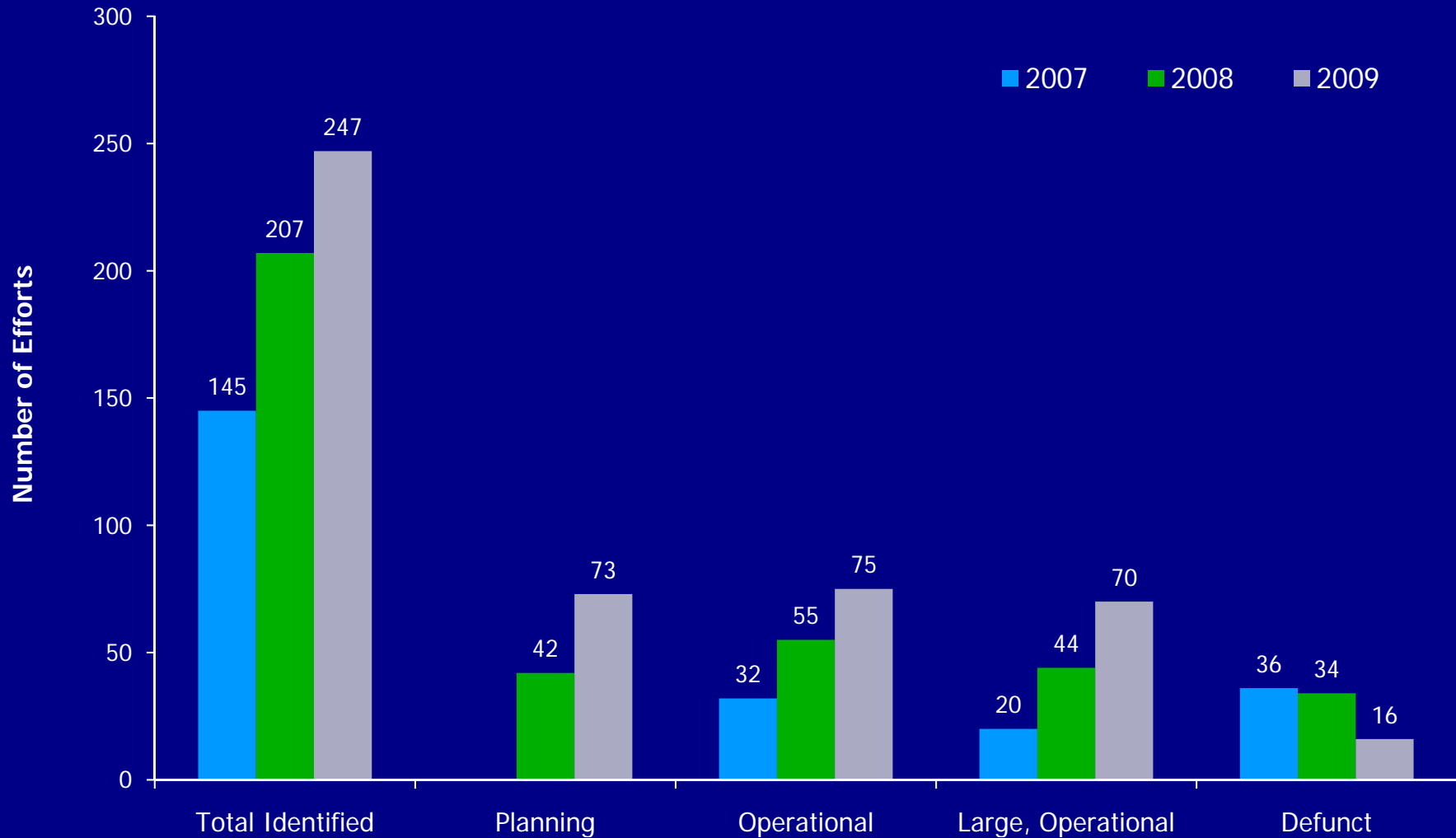
MU in U.S. hospitals 2009

Meaningful Use Criteria	%
Use Computerized Physician Order Entry	35
Implement drug-drug, drug-allergy checks	14
Maintain an up-to-date problem list	46
Maintain active medication list	66
Record key demographics	86
Incorporate clinical lab-test results into EHR	84
Report hospital quality measures to CMS	26
Implement five clinical decision supports (do any 5 of 6)	33
Capability to exchange key clinical information	11
Perform medication reconciliation	53
All of the above	0.7%

Health Information Exchange

Longitudinal Results

Number of Efforts: Growth over Time



Functional Definition: Operational HIEs

	Basic	Comprehensive
TOTAL	14	0
Number of States Involved	15	0
Number of Hospitals Participating	145 (3%)	0
Number of Practices Participating	1,415 (0.6%)	0

Summary

- Health IT critical to high performing healthcare system
- The market is moving forward
 - Progress has been slow
- HITECH as a catalyst?