

Health Information Technology

Diffusion in General Acute Care Hospitals

Commission Brief

October 16, 2014



The MARYLAND
HEALTH CARE COMMISSION

Health IT: Framing its Value

- **Critical infrastructure necessary to connect health care organizations and support new models of care delivery and payment**
- **Essential to Maryland's strategy in building an interconnected system of care delivery where information about the patient is available at the point of care**

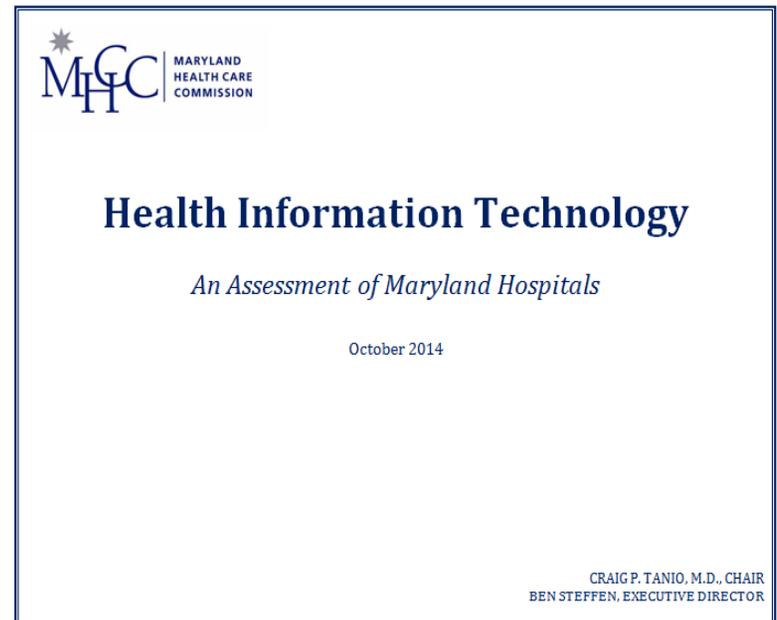


About the Hospital Health IT Assessment

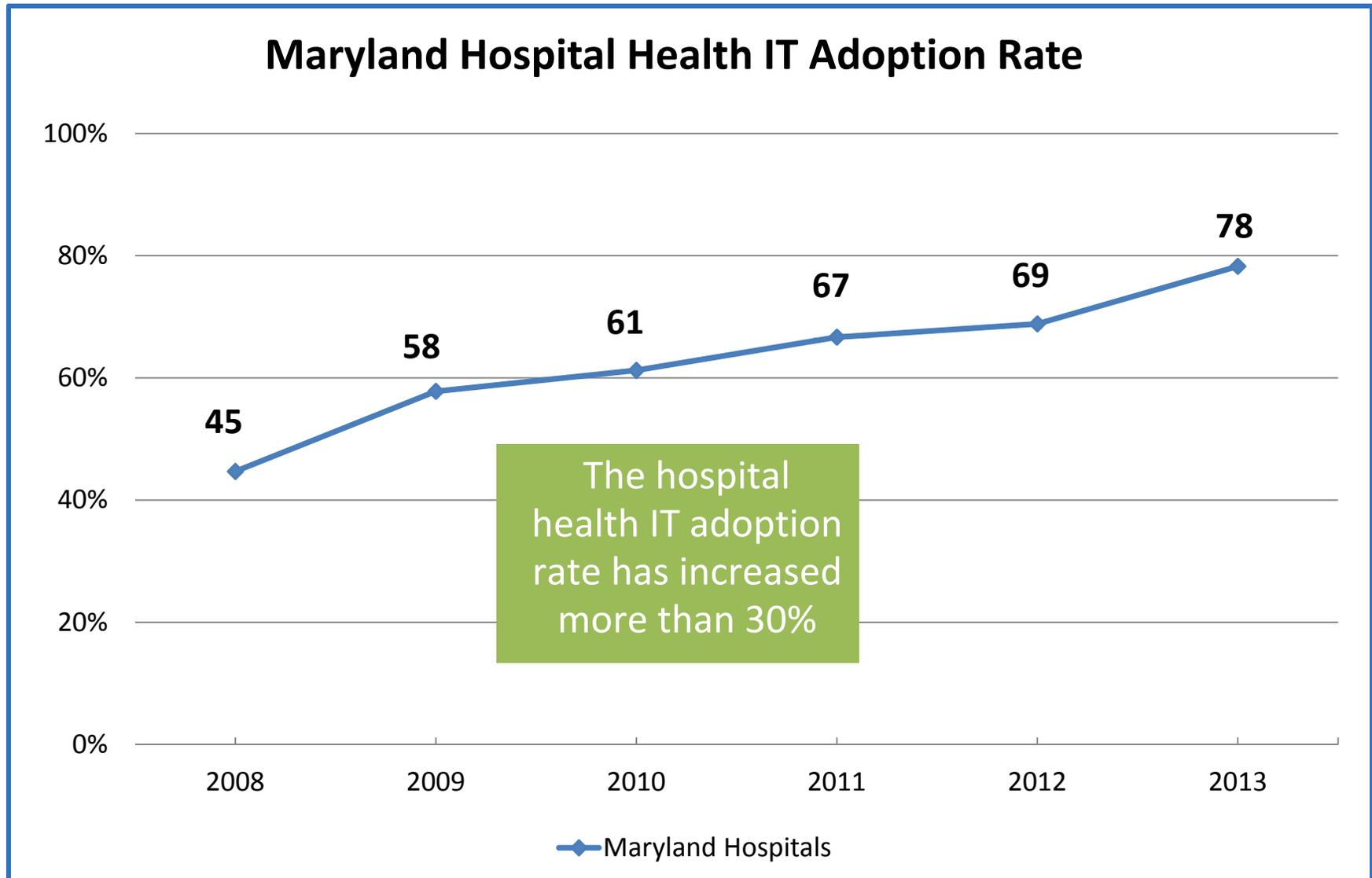
- Since 2008, all 46 general acute care hospital Chief Information Officers (CIOs) self-report data
- Includes data regarding hospital health IT adoption, implementation plans, and diffusion of technology features within hospital departments
- Benchmarks Maryland adoption rates against hospitals nationally
- Identifies hospital participation in the federal Electronic Health Record (EHR) Incentive Programs, incentive payments received, and meaningful use (MU) achievements and payments

New to the 2013 Assessment

- Hospital health IT annual growth rate (2008 - 2013)
- Adoption of internal e-prescribing
 - *Electronically transmitting prescriptions to the hospital pharmacy to administer to patients in the hospital*
- Adoption of additional telehealth technologies
 - *Smart phones, home monitoring devices, and cloud-based systems*
- Utilization of data within the State-Designated health information exchange (HIE), the Chesapeake Regional Information System for our Patients (CRISP), Prescription Drug Monitoring Program (PDMP)



Key Findings



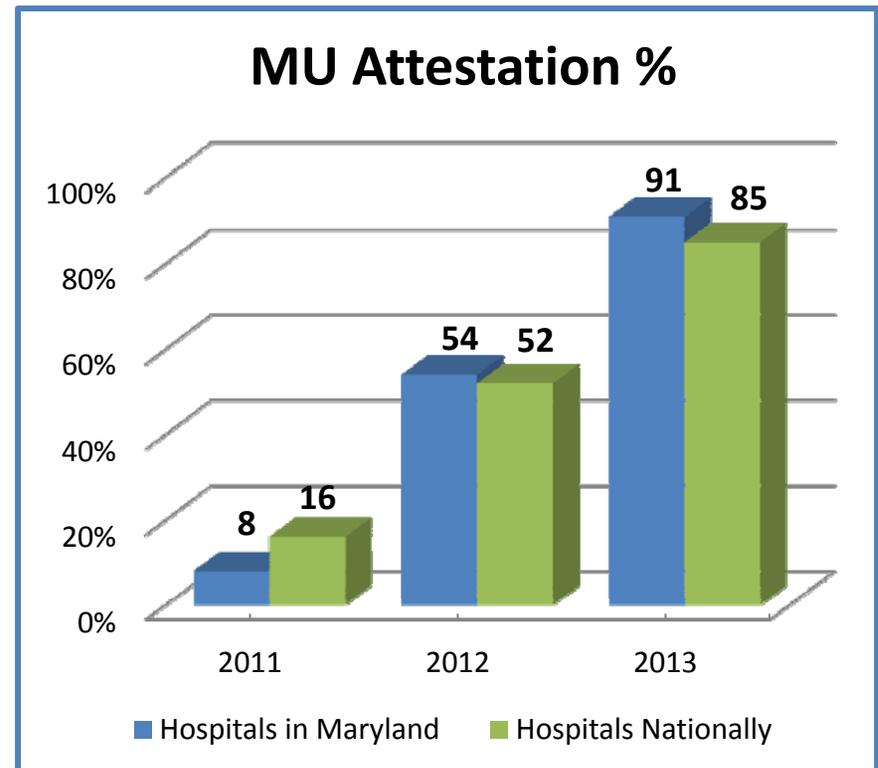
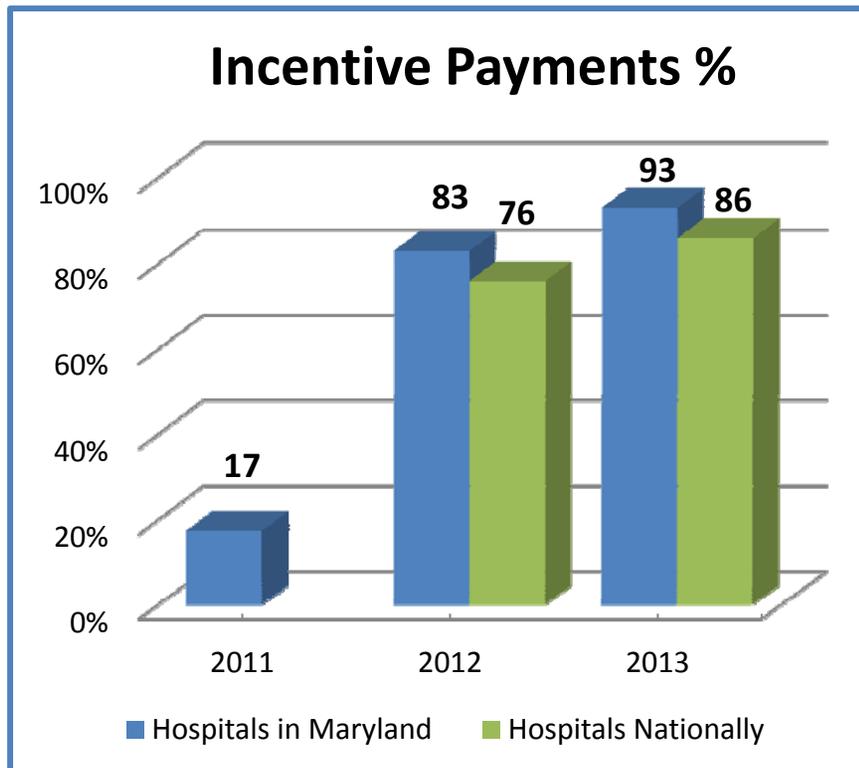
The hospital health IT adoption rate is calculated based on hospitals' adoption of EHRs, CPOE, e-prescribing (external), eMAR, BCMA, and ISS.

Key Findings *(Continued)*

- **EHR adoption by Maryland hospitals is expected to reach 100 percent by the end of 2014**
 - **30 hospitals have fully implemented an EHR in all hospital departments**
- **Maryland meets or exceeds national hospital adoption rates in all but one area, external e-prescribing (i.e. to a community pharmacy)**
 - **17 hospitals indicated plans to implement external e-prescribing in 2014**
- **Adoption of patient portals is on par with hospitals nationally at 50 percent**
 - **21 hospitals indicated plans to implement a patient portal in 2014**

Key Findings *(Continued)*

- Hospitals continue to take advantage of federal incentives for the adoption and MU of EHRs
- Since 2011, 44 Maryland hospitals have received at least one incentive payment



Takeaways

- **Maryland hospitals have invested heavily in the adoption and use of health IT**
- **Tremendous activity is occurring to address the MU challenges**
 - **Most hospitals viewed 2014 as an important year for the EHR Incentive Programs as it is the first year that penalties apply for not achieving the MU requirements**
 - **Over the next year, hospitals are encouraged to bolster efforts related to online access and transmission of patient health information**
- **CIOs throughout the State have done a laudable job is aligning health IT goals and strategies to keep pace with the rapidly changing care delivery landscape**

Thank You!



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Appendix

2013 Hospital Health IT Adoption Snapshot

Technology	Maryland Hospitals		Hospitals Nationally
	#	2013 %	%
Electronic health records	44	96	94
Computerized physician order entry	43	93	86
Electronic prescribing			
• Externally	21	46	63
• Internally	22	48	-
Electronic medication administration records	45	98	60
Bar code medication administration	40	87	50
Infection surveillance software	22	48	20-25
Clinical decision support	43	93	93
Patient Portal	23	50	50
CRISP Services			
• CRISP Query Portal	42	91	-
• Prescription Drug Monitoring Program	36	78	-
Telehealth	28	61	42
MU Attestation	42	91	85
MU Incentive Payments	43	93	86

Note: Strikethroughs (-) indicate national comparison data that is unavailable; national data used for comparison purposes are not census level data and multiple surveys were used in the evaluation of national performance levels.

Health Systems Compared to Community Hospitals

Health Systems (hospitals , n= 27)	Health IT Adoption Rate %
Adventist HealthCare	67
Dimensions Healthcare System	100
Johns Hopkins Medical System*	75
LifeBridge	100
MedStar Health*	86
University of Maryland Medical System*	68
Average	83
Community Hospitals (n= 19)	Health IT Adoption Rate %
Average	77

* Academic medical systems