

The Office of the National Coordinator for
Health Information Technology



ONC Standards Update

Health IT Standards Committee Meeting
January 16, 2013

Doug Fridsma, Office of Science and Technology, ONC

Putting the **I** in **HealthIT**
www.HealthIT.gov



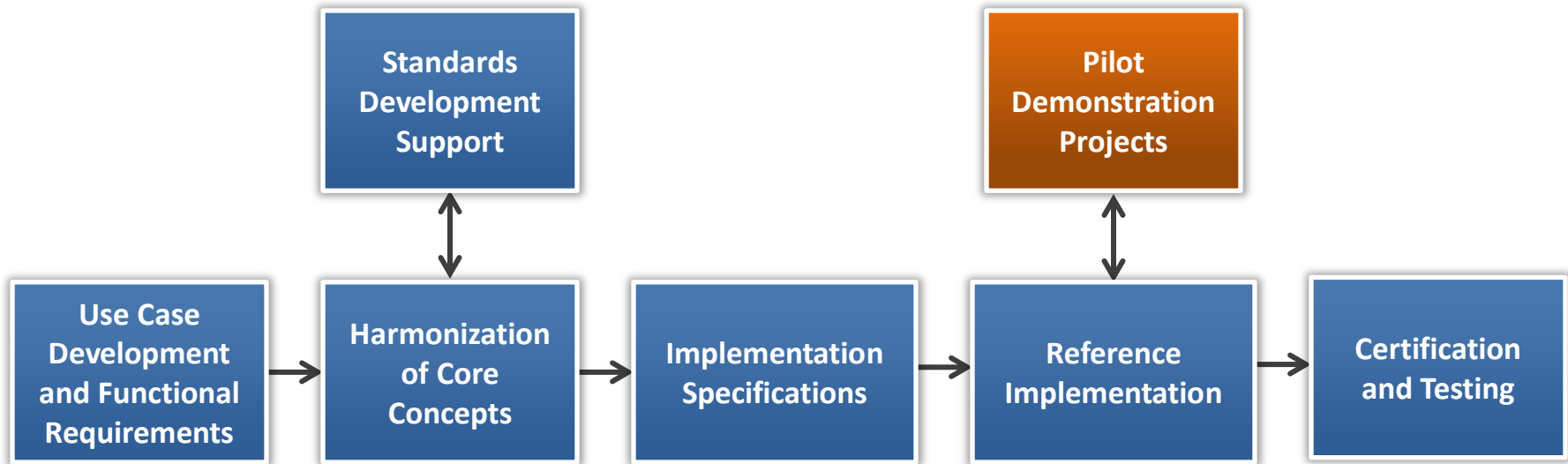
S&I Initiative Portfolio Snapshot



Initiative	Pre-Discovery	Use Case	Harmonization	RI, Test & Pilot	Evaluation
Direct Project (S&I Archetype)	Completed				
Transitions of Care	In Progress				Balloted
Lab Results Interface	In Progress				Balloted
Query Health	In Progress			Not Started	
Provider Directories	In Progress			Not Started	
Data Segmentation for Privacy	In Progress				Not Started
Public Health Reporting	In Progress		Not Started		
esMD	In Progress		Not Started		
Longitudinal Coordination of Care	In Progress		Not Started		
Laboratory Orders Interface	In Progress			Not Started	
Health eDecisions	In Progress		Not Started		
Automate Blue Button (ABBI)	In Progress		Not Started		

- **SDO Activities**
 - IG's for LRI and ToC successfully balloted
 - HQMF V2 under ballot
- **Initiatives in Progress**
 - esMD
 - LOI/eDOS
 - Query Health (Pilots)
 - Longitudinal Care Coordination
 - PHRI
- **Initiatives Completed**
 - ToC
 - LRI
 - Provider Directory
- **Support Activities:**
 - Test data generation activities for MU2
 - CCDA Guide for BEACONS





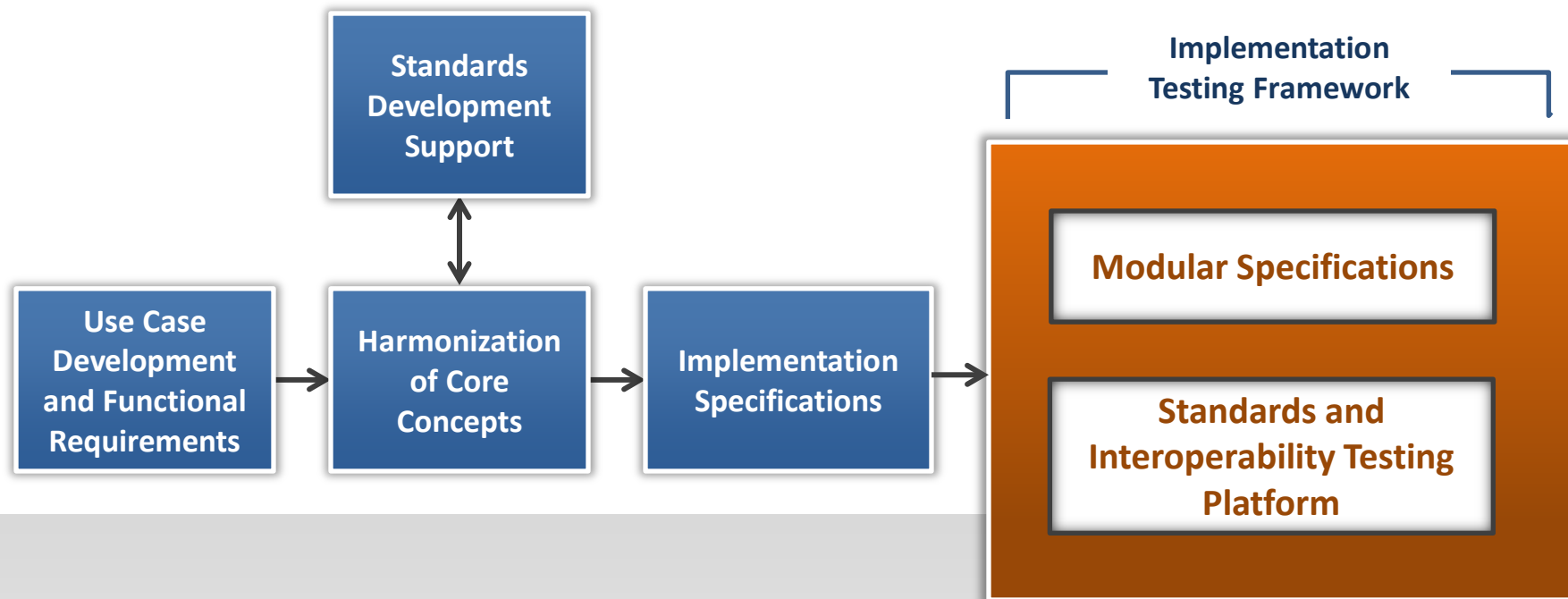
Current Process:

Pilot demonstration projects provide validation of standards for national deployment

Challenges:

- Testing of standards occurs for the first time during pilot demonstration
- Testing of standards occurs much too late in the process to influence standards development
- Changes to standards made during pilots (“Learning”) don’t get back into improving standards in timely manner
- Implementing untested standards introduces business risk to pilot organizations

Pre-certification Testing of Standards – Proposed in FY 2013 OST Budget



Modular Specifications:

- Ensures testability and internal consistency of standards
- Refines standards through conformance analysis against underlying specifications

S&I Testing Platform:

- Validate standards in a full use case, rather than a unit test
- Provide a platform of modular components enabling rapid adjustment of testing use cases

- **S&I Initiatives – aligned with MU3 needs**
 - Public Health Reporting
 - Healthy eDecisions IG Balloting
 - Launch PCOR initiative
 - PDMP
- **Cross-S&I Activities**
 - NIEM Health Domain
 - Formalize an approach to align with CEDD/FHIM/
 - Generate a robust patient data set for use across initiatives and testing
 - Support Quality Measures work with OCMIO
- **Staff Development**
 - Continue building standards expertise in-house
 - Assess and plan for emergent needs for the organization
 - Increase engagement across ONC offices



Phase 1

Initial Rollout
(2009 – 2011)

- Early adopters
- Federal business cases
- Shared infrastructure
- Early lessons learned
- Success / viability
- ONC program pilot concludes
- Production ramps up

Phase 2

Mature, Grow,
Scale
2012-2013

- Transition to public-private model
- Grow participation and transactions
- Refine and scale
- Expand value cases
- Align with NwHIN governance
- Implement sustainability model

Phase 3

Sustainability
2014

- Continued growth in participant and transactions
- Revenue model sustains operations
- Nationwide deployment
- Interoperable exchange among private entities

FHA in 2012: Strategy and Architecture

- **New Governance**
 - More strategic alignment within and across Federal partner agencies
 - Greater transparency and enhanced communications
 - Commitment to fulfilling original intent of FHA as E-Gov Line of Business
- **Strategy Planning**
 - FHA Strategic Plan nearing completion
 - FHA Line of business (LoB) Service Plan delivered to OMB
- **Interoperability Architecture**
 - Identify current and planned data exchanges among Federal agencies and partners
 - Develop FHA public-facing portal
 - Align with standards harmonization efforts (e.g. Standards and Interoperability Framework)
 - Demonstrate exchange methods beyond Direct and SOA – RHEX pilots

FHA in 2012: Innovations

- **CONNECT Open Source**

- CONNECT code on GitHub, sprint sessions open
- Engaging open source community through code-a-thons, encouraging code contributions
- Developing CONNECT 4.0, incorporating Direct specifications

- **RESTful Health Exchange (RHEX)**

- **Two pilots**

- TATRC
- HealthInfoNet

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Health Information Technology



ONC Program Update

Health IT Standards Committee Meeting
January 16, 2013

Jodi Daniel, Office of Policy and Planning, ONC

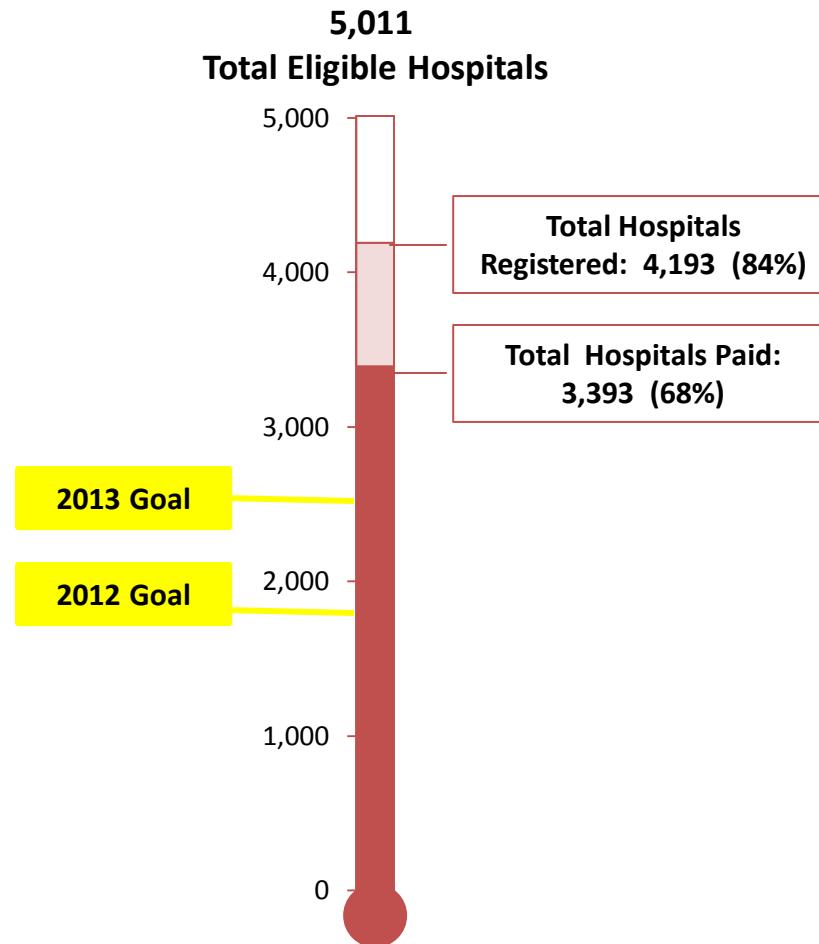
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Meaningful Use – Professionals Registered and Paid



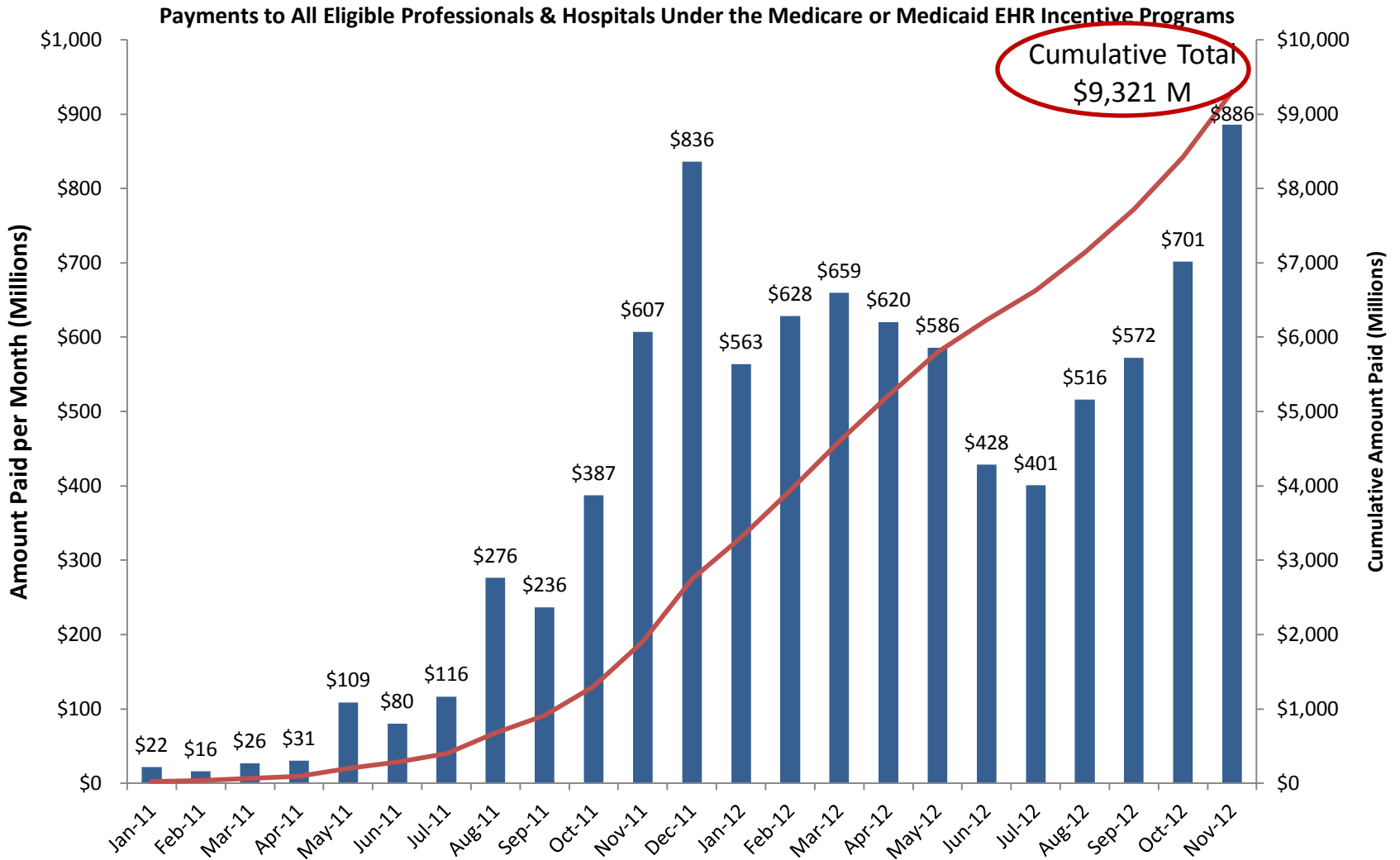
Source: CMS EHR Incentive Program
Data as of 11/30/2012

Meaningful Use – Hospitals Registered and Paid



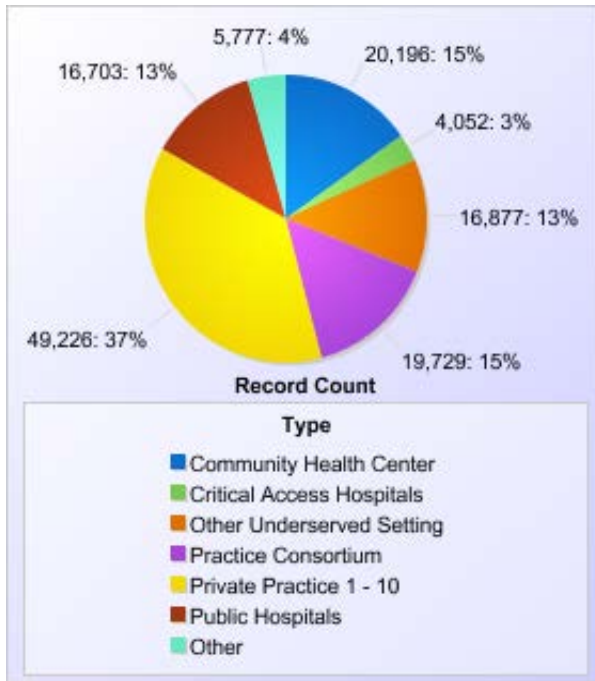
Source: CMS EHR Incentive Program
Data as of 11/30/2012

Total EHR Incentive Payments to All Eligible Professionals & Hospitals by Month



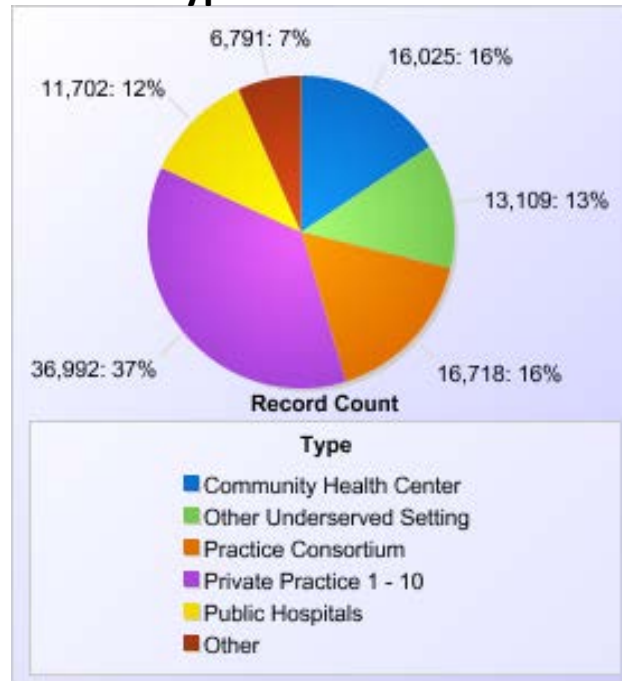
Regional Extension Center Success to Date

Providers working with RECs by Practice Type



- **Over 132,000** Primary Care Providers
≈ 40% of all providers in the US
≈ 60% of all rural providers
≈ 85% of FQHC providers
Graph Doesn't include 10,000 + specialist working with RECs

Providers working with REC who have achieved Meaningful Use by Practice Type

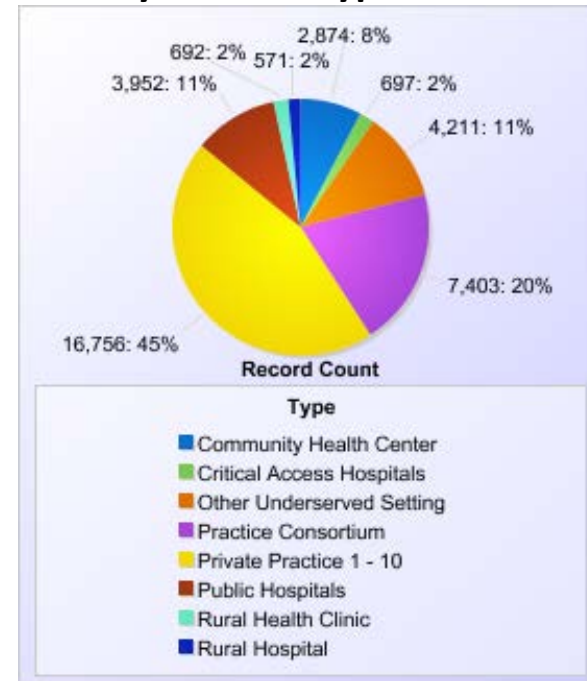


- **Over 101,000** Primary Care Providers
- GAO found that 47% of providers who Received AIU payments were working With REC

NOTE: Primary Care Providers include individual/small group primary care practices (<10 PCPs); Public Hospitals and CAHs; Community Health Centers and Rural Health Clinics; Other settings that serve medically underserved populations

Data Source: *ONC CRM January 4, 2012*

Providers working with REC who have achieved Meaningful Use by Practice Type



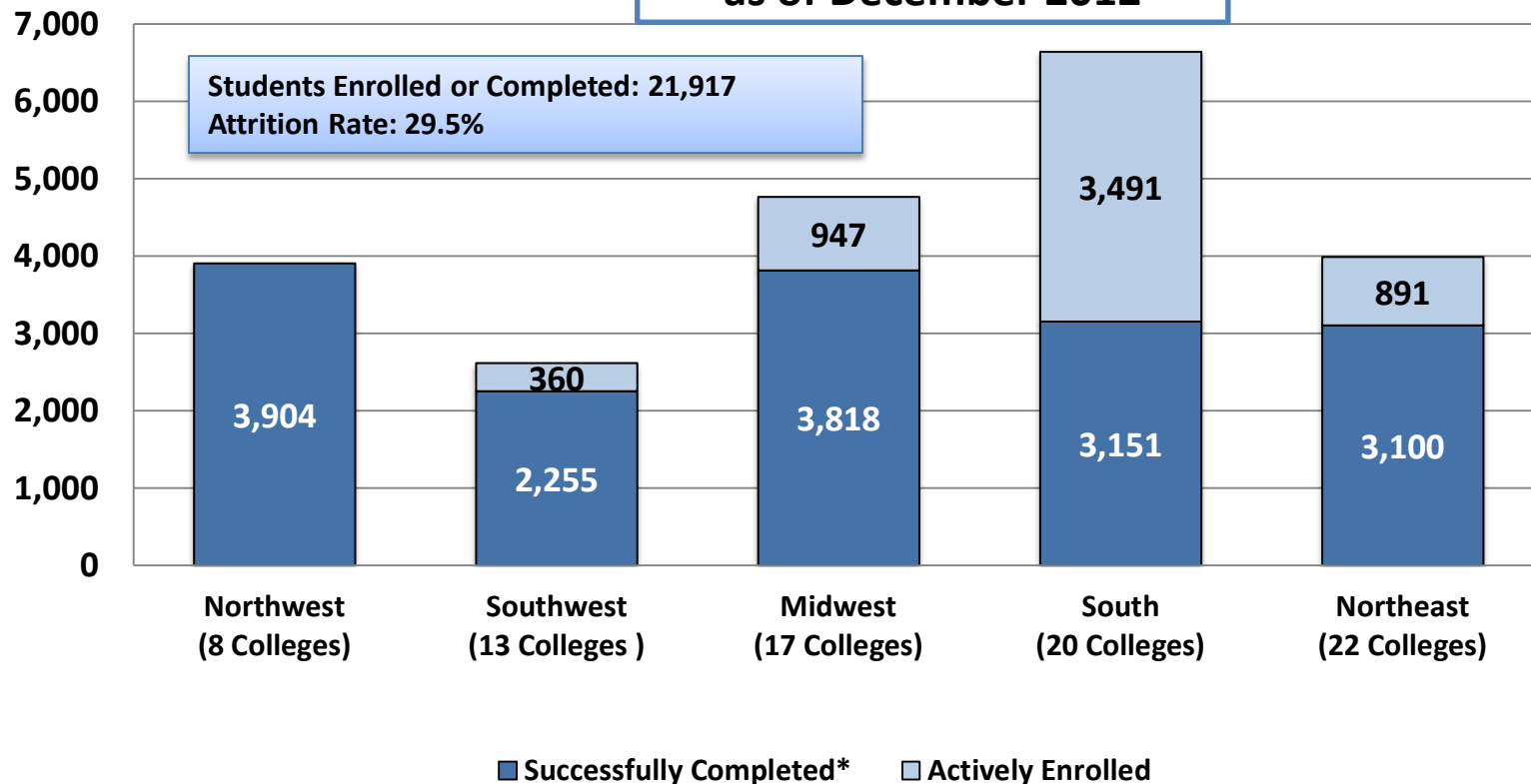
- **Over 37,000** Primary Care Providers
- GAO found that Medicare providers Working with RECs were over 2 times More likely to receive payment than those who weren't working with an REC

- 94% of pharmacies are actively e-Prescribing
- 43 states and territories have **directed exchange**
 - 60,359 clinical and administrative staff nationwide have access to directed exchange
 - During Q3 2012 there were 79,957,695 directed exchange messages
- 20 states have statewide **query-based exchange**
 - 12 additional states have query-based exchange within regions (but not statewide)
 - 71,610 clinical and administrative staff nationwide have access to query-based exchange
 - During Q3 2012 there were 2,794,705 patient queries
- Only 4 states and 4 territories report not having any directed or query-based exchange
- Consent guidance issued to ONC State HIE grantees based on HITPC recommendations

- **Featured successes include:**
 - Early results featuring improvements in quality, cost and population health (all 17 communities have at least 2 measures trending positively)
 - Launch of new exchange capabilities in communities like New Orleans and San Diego
 - Innovative methods to engage patient through remote patient monitoring and mobile health
- **Collaboration between 8 Beacon Communities and 6 EHR vendors to advance interoperability and exchange**
 - The collaboration has now enabled 51 primary care practice locations representing 432 providers and 447,000 patients to exchange a consistent patient summary care document to better manage transitions of care and to populate community data repositories or registries
- **For more information, view the Fact sheets demonstrating progress for each of the 17 Beacon Communities (www.healthit.gov)**

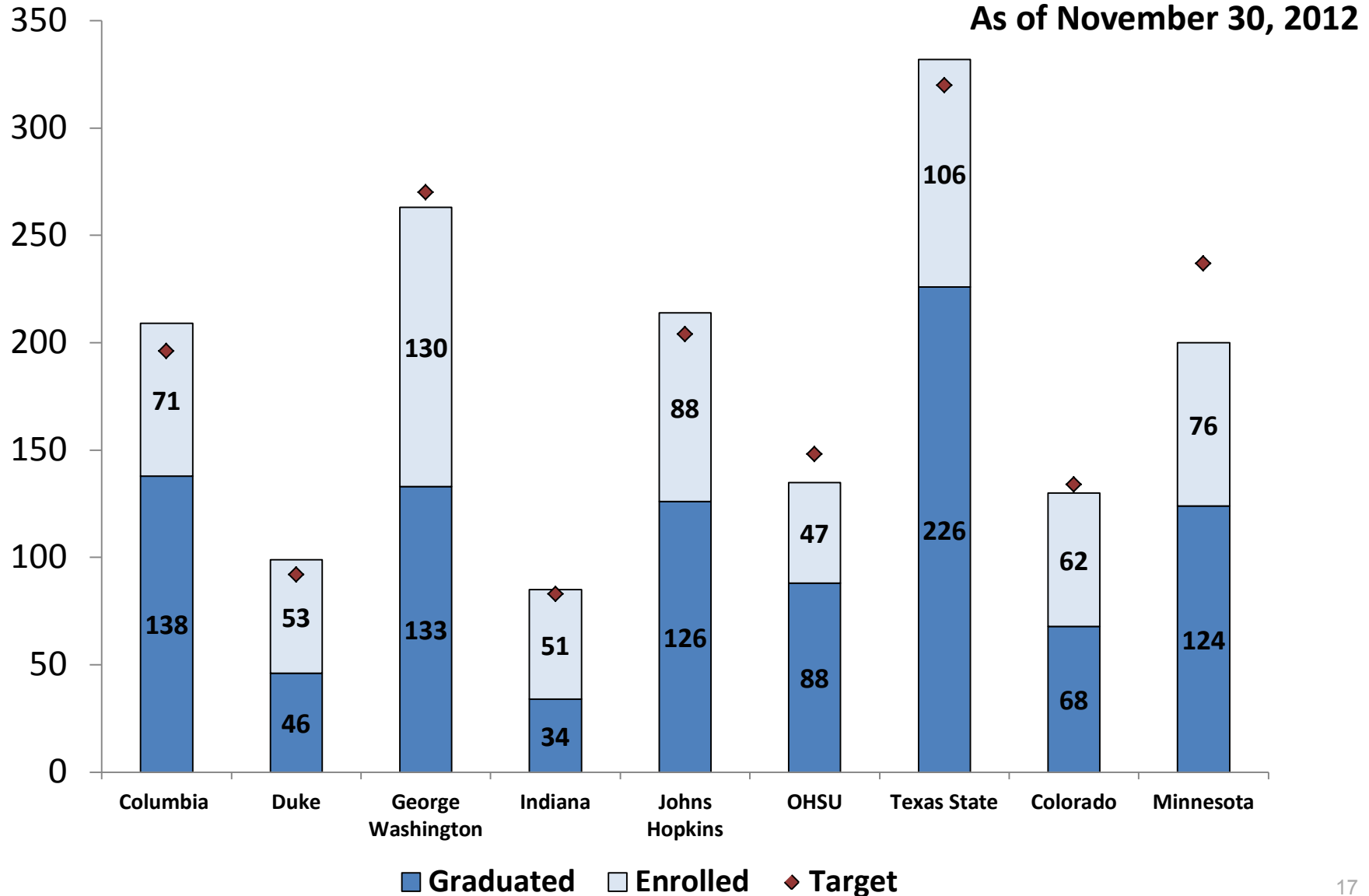
Workforce Training – Community College Program Enrollment and Graduation

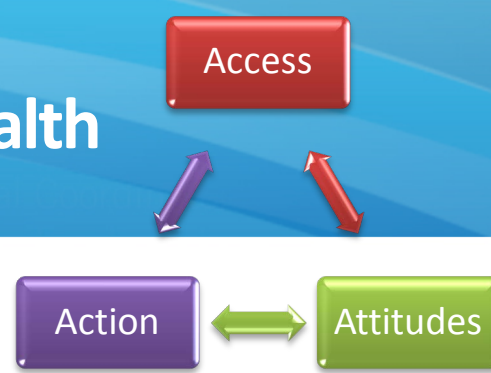
**Community College Students
as of December 2012**



* Enrollment to date includes unique students reported in November 2012 cycle

Workforce Training - University-Based Program Enrollment & Graduation





ACCESS

- **88 million** Americans have access to Blue Button
- **1.4 million** Blue Button downloads
- **450** organizations joined the Blue Button Pledge Program

ACTION

- **68** volunteer organizations joined Automate Blue Button S&I Framework Initiative #ABBI
- **230** submissions for the Health Record Design Challenge
- **3** Winning Apps from the Blue Button Mash-up Challenge
- Model PHR Privacy Notice

ATTITUDES

- **100,000** views of the Healthy New Year Video Contest alone. Ran six more video contests throughout 2012.
- **14,000** views of Health IT Animated Video
- **1,400** participants in the first Annual Consumer Health IT Summit in September 2011.
- Pilot to evaluate the role of patients in improving accuracy of information in medical record
- Hearing and report on Patient Generated Health Data
- **3** Innovation roundtables (Cancer Care, Gaming, Patient Access Summit)
- Interactive Strategic Plan (coming in late Feb 2013)

- Final Rules for Meaningful Use Stage 2 and 2014 Edition Standards & Cert Criteria
- Request for Comment (RFC) for Meaningful Use Stage 3
- Health IT Patient Safety Action & Surveillance Plan Released
- Using information from RFI on governance for nationwide health information exchange to develop a non-regulatory
- Progress made in making PDMP information available electronically in real-time for prescribers and dispensers

Certification Update: 2014 EDITION Testing

ONC transitioned to the Permanent Certification Program in 2012.

ONC completed development of the 2014 Edition Test Method materials, in close collaboration with the National Institute of Standards and Technology (NIST).

- Seven waves of draft test procedures, test data and test tool were released for public review and input between September 2012 and November 2012.
- The revised 2014 Edition Test Method materials were approved for use on December 14th 2012 by the National Coordinator and feature:
 - ✓ 49 Test Procedures (17% more than the 2011 Edition)
 - ✓ 29 ONC-supplied Test Data sets (100% more than 2011 Edition)
 - ✓ 9 Test Tools (over 5 times more than the 2011 Edition) – includes specialized toolsets for Clinical Quality Measures and HIE Transport Testing

Certification Update: CHPL Dashboard as of 01/03/2013

Total # of CHPL Products

CHPL Products	Ambulatory	Inpatient	Total
Complete EHR	1191	276	1467
Modular EHR	766	677	1443
Total	1957	953	2910

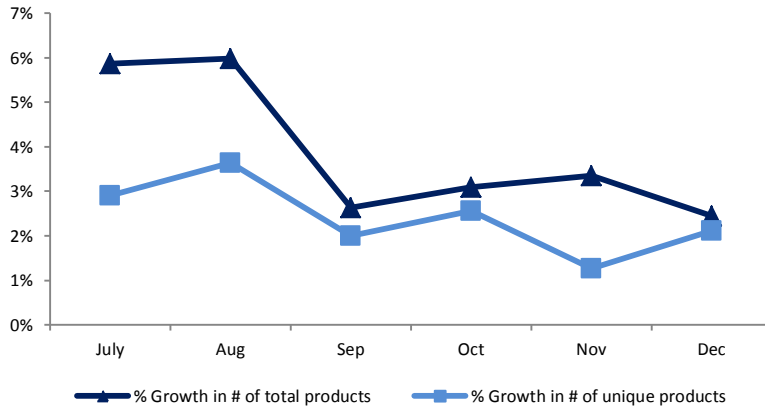
Total number of EHR Vendors is 920

of Products Added This Week (12)

CHPL Products	Ambulatory	Inpatient	Total
Complete EHR	5	2	7
Modular EHR	1	4	5
Total	6	6	12

Number of new EHR Vendors is 3

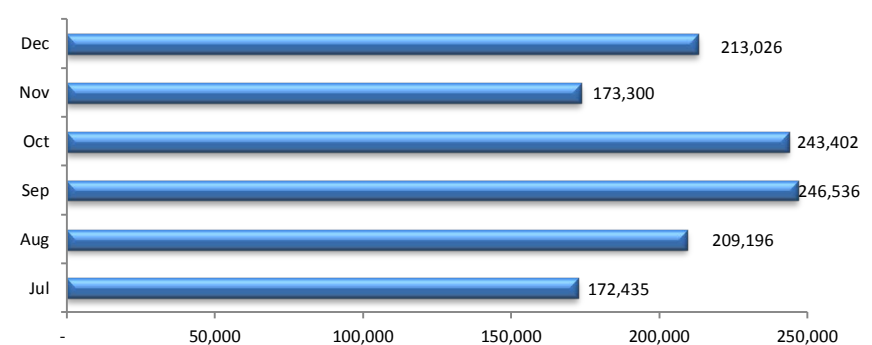
% Growth for Total and Unique CHPL Products



CHPL Products	2012						
	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Unique	1467	1511	1568	1600	1642	1663	1699
Total	2291	2434	2589	2659	2744	2839	2910

Total # of Unique Products have increased by 14 % in the last 6 months

CHPL Usage by Number of Page Views



Total Usage (2012): 1,848,648

January 2013 Usage: 27,037

Align Measures

- Across HHS Programs

Report Once

- Get credit for many

Standardize

- Built on common components: Logic & Value Sets

NOTE: Our long-term goals are to align the measures, simplify data submission, standardize components and empower improvement.

In 2012 our work focused on developing measures that leverage EHR technology, standardizing the measure components and supporting tools for vendors and providers that will drive care and quality improvement.

CMS has committed to A single core set of quality measures for: EP 2014 VBM, PQRS, MU2 and EH

- CQM Developer and Implementer Tools
 - VSAC: Value Set Authority Center (NLM)
 - Posted every value set in every CQM in the 2014 set
 - DEC: Data Element Catalog (ONC/NLM)
 - Posted every data element in every CQM in the 2014 Set
 - CYPRESS: Certification Testing Software (ONC)
 - Software that test vendor capture, calculation and submission
- Provider Tools: QI Population Dashboard
 - PopHealth: Patient-level view of e-measures

NOTE: ONC worked with CMS, NLM and AHRQ to release these web-based for measure developers, HIT software vendors and MU providers.

HealthIT.gov Redesigned



HealthIT.gov - Putting the "I" in Health IT - Windows Internet Explorer

http://www.healthit.gov/

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I'm seeking information:

- For Providers & Professionals
- For Patients & Families
- For Policy Researchers & Implementers

Health IT and Patient Safety

Read the *Health IT Patient Safety Action and Surveillance Plan* and submit your comment by **February 4, 2013**.

[Learn More >](#)

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HealthIT.gov – lots of new info!



HealthIT.gov - Putting the "I" in Health IT - Windows Internet Explorer

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HealthIT.gov - Putting the "I" in Health IT

Page Safety Tools

ABOUT HealthIT.gov

Health information technology (health IT) makes it possible for health care providers to better manage patient care through secure use and sharing of health information. Health IT includes the use of electronic health records (EHRs) instead of paper medical records to maintain people's health information.

[Learn more about The Office of the National Coordinator for Health Information Technology \(ONC\)](#)

[Learn more about the National Learning Consortium](#)

UPDATES from HealthIT.gov

[View additional updates](#)

2012 ONC Annual Meeting
Replay all the action from the 2012 ONC Annual Meeting: *A Meaningful Foundation for the Future of Healthcare.*

Electronic Health Record (EHR) Infographic
View the history of EHRs and how they may improve your health and health care in the future.

Mobile Device Privacy & Security
Know the RISKS. Take the STEPS. PROTECT and SECURE health information. Learn how to protect and secure health information on a mobile device.

Health IT and Patient Safety
Read the *Health IT Patient Safety Action and Surveillance Plan* and submit your comment by **February 4, 2013.**

From HealthIT's Social Channels

ONC HealthIT **twitter**

Wired Workforce. Are you interested in pursuing a career in #HealthIT? Learn more about #HealthIT jobs here: <http://t.co/yAleAy31>
49 minutes ago · reply · retweet · favorite

Like to do it yourself? Manage your own care. Keep track of all your meds & dosages. [INFOGRAPHIC] <http://t.co/4hd0oY71>
2 hours ago · reply · retweet · favorite

HealthIT Buzz
ONC's Annual Meeting Sees Health IT as Foundation for New Payment Policies
More than 1,200 grantees, stakeholders, and other members of the public came tog Friday, January 04, 2013

For Providers & Professionals	For Patients & Families	For Policy Researchers & Implementers
Health IT Basics	Protecting Your Privacy & Security	Regional Extension Centers (RECs)
Implementation	Better Health Care	Federal Advisory Committees (FACA)
Getting Started	Greater Convenience	Health IT Rules & Regulations
What Are EHRs?	More Patient Involvement	Meaningful Use
Benefits of EHRs	Tools & Resources	Technology Certification
Privacy & Security		
What is Meaningful Use?		
Information Exchange		

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