



NATIONAL
ASSOCIATION
FOR TRUSTED
EXCHANGE

NATE's Blue Button for Consumers (NBB4C) Trust Bundle

**ONC Annual Meeting
Direct Industry Update**
February 3, 2015

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301-540-2311

Agenda

- Who is NATE?
- What is the NBB4C?
- Why do we need another bundle?
- Why does this matter?
- How was the NBB4C developed?
- Announcing...
- ...Patient Access

Who is NATE?



The National Association for Trusted Exchange (NATE) is a not-for-profit association focused on enabling trusted exchange among organizations and individuals with differing regulatory environments and exchange preferences.

What is the NBB4C?

The **NATE Blue Button for Consumers (NBB4C)** Trust Bundle is a trust mechanism that provides HIPAA covered entities that use Direct a facile method of exchange with Consumer Facing Applications that must meet or exceed a different set of regulatory criteria and user experience requirements to become a NATE QE.

We make it easy for providers to share health information with their patients so that their patients can do what they want with it.

Why do we need another bundle?

- Differences between exchange **among** HIPAA CE about a consumer and **between** a HIPAA CE and a consumer
- OCR enforces HIPAA which applies to Covered Entities
- FTC enforces Consumer Protection Laws which applies to Consumer Facing Applications
- Covered Entities make decisions that affect many consumers
- Consumers make decisions that affect themselves

*Two regulatory paradigms;
One consumer*

Why does this matter?

NEW MODELS

By Lygela Ricciardi, Farzad Mostashari, Judy Murphy, Jodi G. Daniel and Erin P. Siminerio

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NO. 2 (2013): 275-284
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The People-to-People Health
Foundation, Inc.

A National Action Plan To Support Consumer Engagement Via E-Health

Lygela Ricciardi is the director of the Office of Consumer eHealth in the Office of the National Coordinator for Health Information Technology (ONC), Department of Health and Human Services, in Washington, D.C.

Farzad Mostashari is the national coordinator for health information technology at the ONC.

Judy Murphy is deputy national coordinator for programs and policy at the ONC.

Jodi G. Daniel is the director of the Office of Policy and Planning in the ONC.

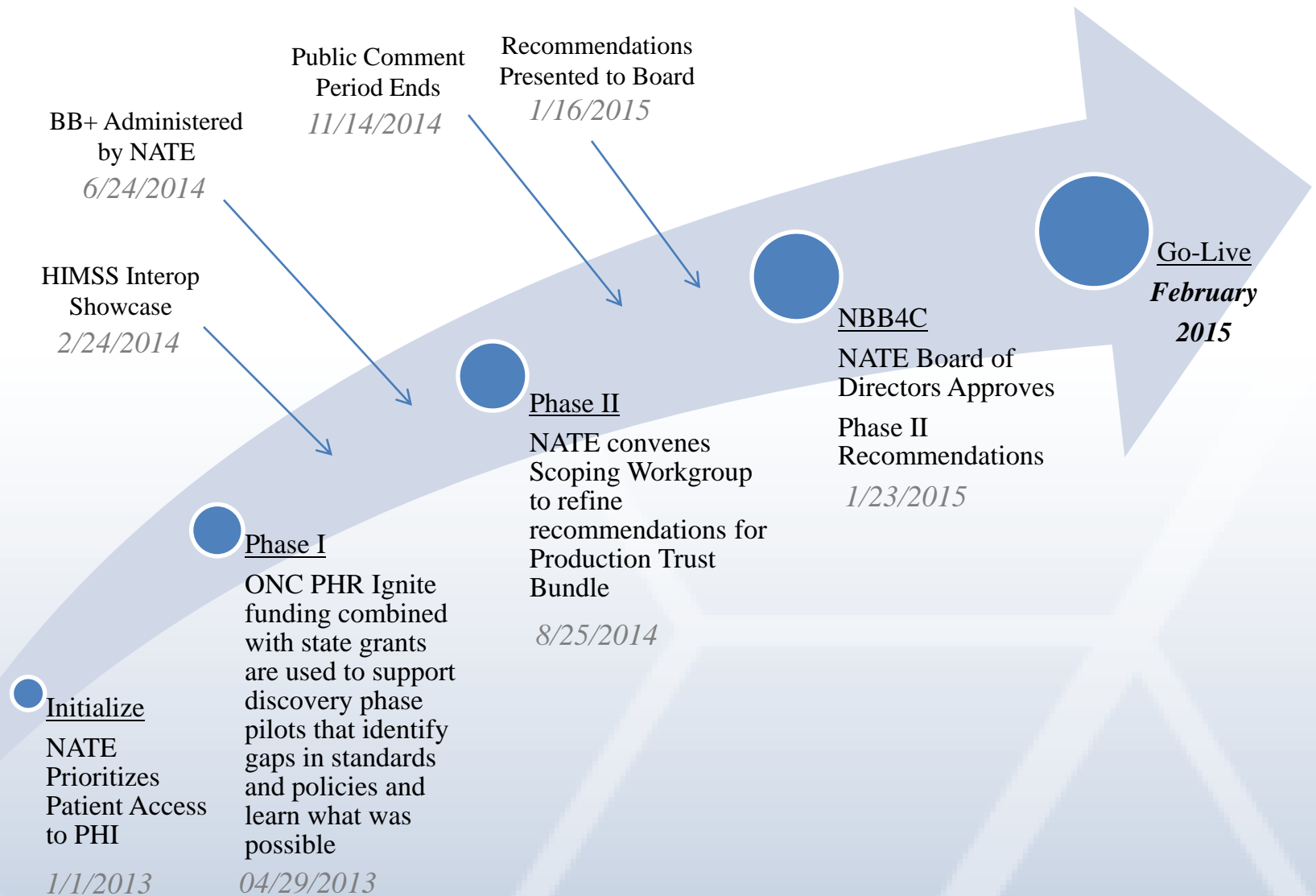
Erin P. Siminerio (erin.poe@hhs.gov) is a policy analyst in the Office of Consumer eHealth in the ONC.

ABSTRACT Patient-centered care is considered one pillar of a high-performing, high-quality health care system. It is a key component of many efforts to transform care and achieve better population health. Expansion of health information technology and consumer e-health tools—electronic tools and services such as secure e-mail messaging between patients and providers, or mobile health apps—have created new opportunities for individuals to participate actively in monitoring and directing their health and health care. The Office of the National Coordinator for Health Information Technology in the Department of Health and Human Services leads the strategy to increase electronic access to health information, support the development of tools that enable people to take action with that information, and shift attitudes related to the traditional roles of patients and providers. In this article we review recent evidence in support of consumer e-health and present the federal strategy to promote advances in consumer e-health to increase patient engagement, improve individual health, and achieve broader health care system improvements.

- Improve outcomes and enhance patient satisfaction
- Communicate and coordinate with providers
- Self manage health and wellness
- Check for errors or inaccuracies
- Potential for cost reduction

*Patients with access to their PHI are more engaged;
Engaged Patients = Better Outcome*

How was the NBB4C developed?



What was NATE's PHR Ignite Experience? Phase I



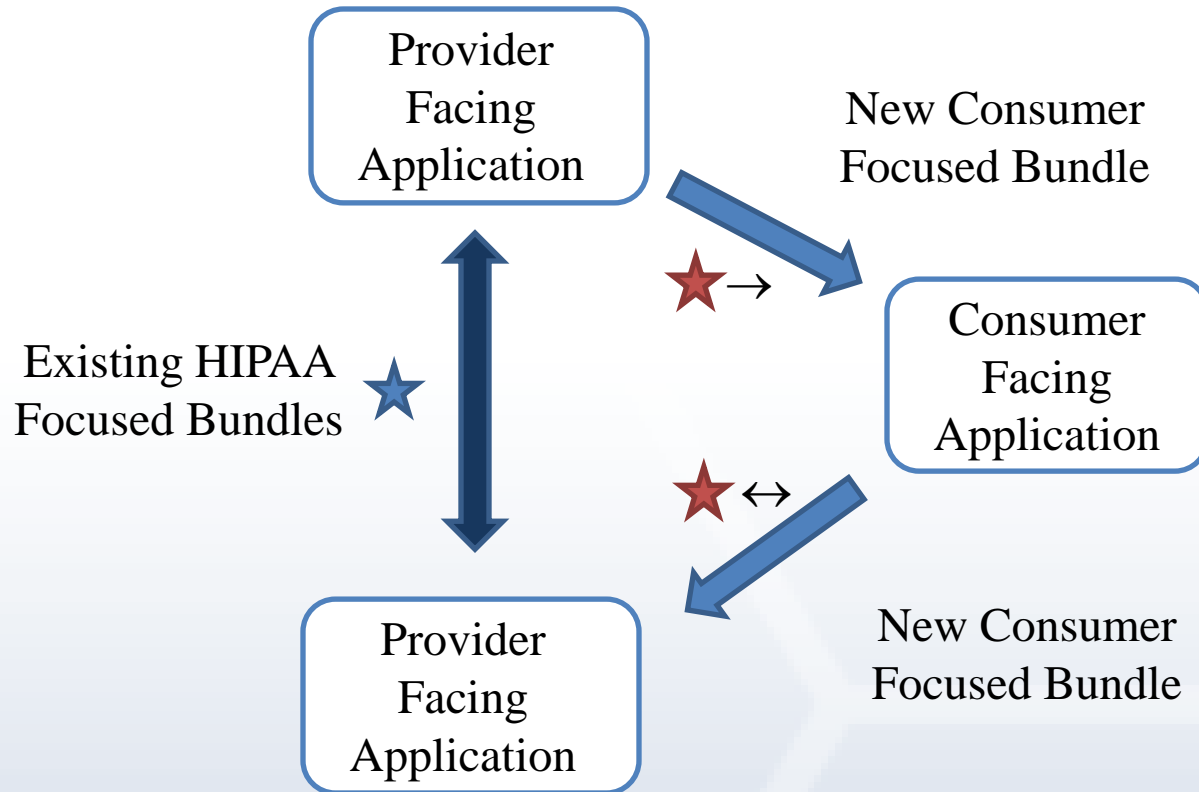
- Funding from the ONC SHPC grant was combined with funding from member states
- Phase 1 of NATE's PHR Initiative began in March of 2013
- The PHR pilot was designed to discover as much as possible about enabling patients and providers to securely exchange protected health information bi-directionally using Direct
- With over \$700,000 in combined funding, we were able to put together a great team that included numerous PHRs, HIEs and others working in three different states around the country


PHR Initiative Phase I


Participating Actors




PHR Ignite Phase I Discovery Phase



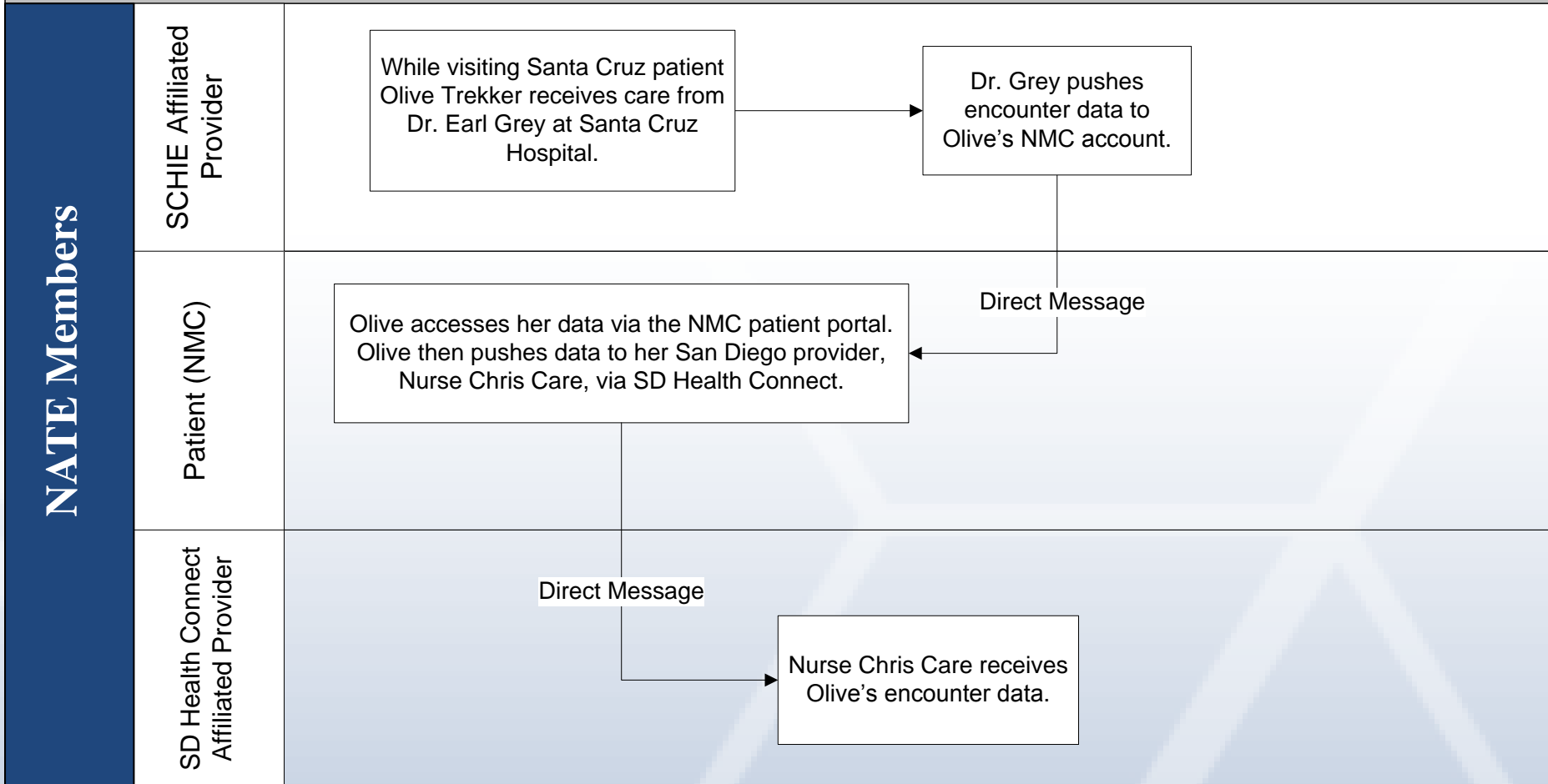
 Existing HIPAA Focused Bundles such as DirectTrust, PAeHP, CAHIE and other regional Trust Bundles that are designed to enable exchange among covered entities

 → Local Policy Decision Makers who choose to rely on NBB4C can configure their trust store

 ↔ to support either send only exchange or bi-directional exchange

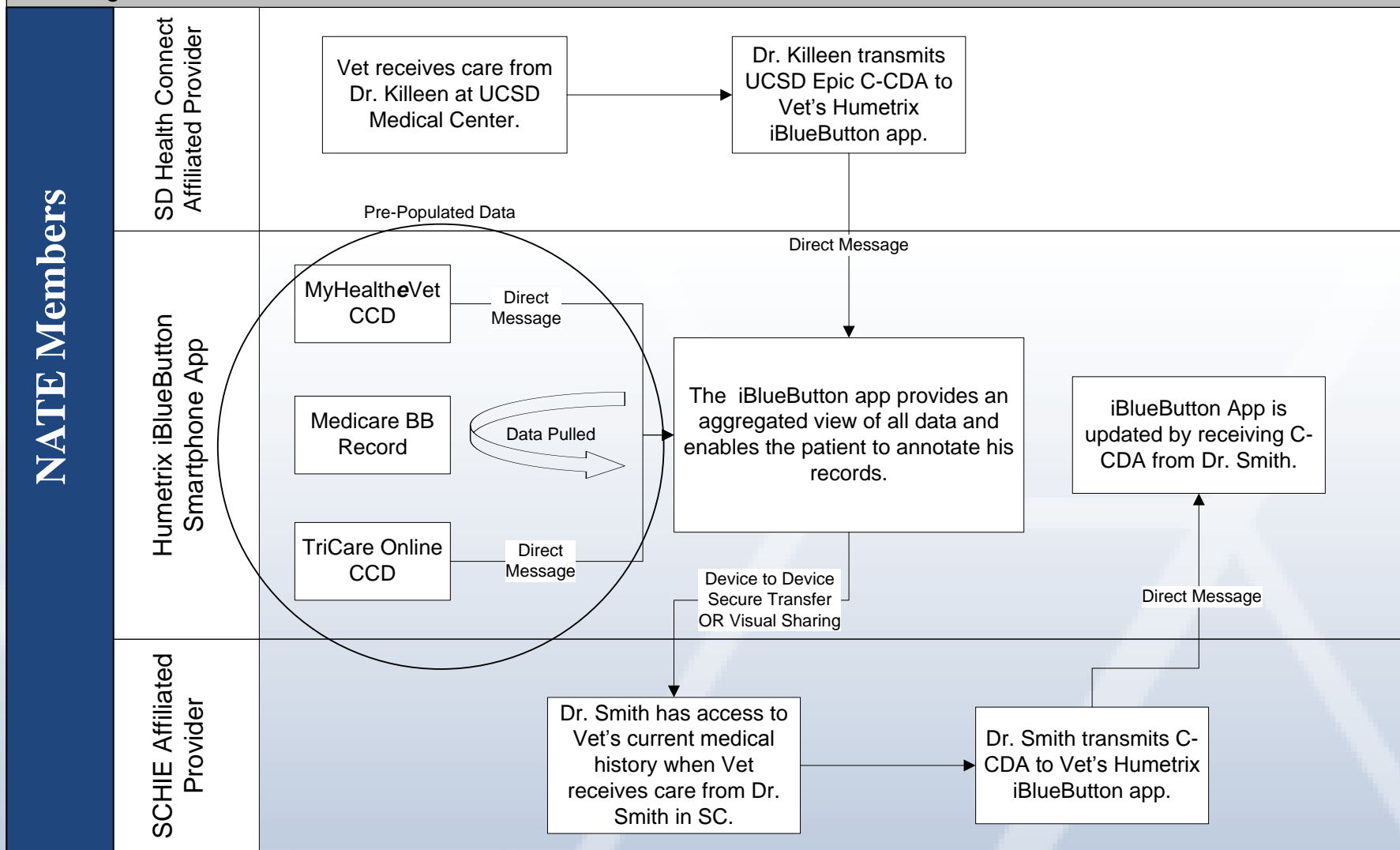
Script 1: Easing the administrative burden on providers

SCHIE, SD Health Connect and NoMoreClipboard



Script 3: Ensuring patient safety with mobile anytime/anywhere access to health records

San Diego Health Connect and Humetrix iBlueButton



PHR Initiative Phase I Outcomes and Next Steps



- Phase I pilot outcomes were reported to the ONC and presented to NATE's Board
- NATE's Board directed the Team to:
 - Establish a Phase II Scoping Workgroup to develop a set of artifacts informed by what was learned in Phase I
 - Make a public call for comment
 - Reconvene the scoping workgroup to assess public comment
 - Make a final recommendation to the Board on policies for NATE's Blue Button for Consumers (NBB4C) Trust Bundle

March 2014

PHR Ignite Pilot
National Association for Trusted Exchange
ONC State Health Policy Project

Final Report

Prepared for

Office of the National Coordinator for Health Information Technology
US Department of Health and Human Services
300 C Street SW
Washington, DC 20201

[Phase I Report](#)

PHR Initiative Phase II

Diversified Scoping Workgroup



Role	Workgroup Member	Organization
Co-Chair	Adam Greene	Davis Wright Tremaine
Co-Chair	Jeff Livesay	MiHIN
WG Member	Bettina Experton	Humetrix
WG Member	Jeff Donnell	NoMoreClipboard
WG Member	Nathan Reno	Microsoft HealthVault
WG Member	Christina Caraballo	Get Real Health
WG Member	Johnny Allen	Pennsylvania eHealth Partnership Authority
WG Member	Josh Mandel	Children's Hospital, Boston
WG Member	Janet Campbell	Epic
Consumer Representative	Mary Anne Sterling	Sterling HIT Consulting
Behavioral Health Representative	Michael Lardieri	North Shore-LIJ Health System

PHR Initiative Phase II

Scoping Workgroup



- The Phase II workgroup was convened on August 25, 2014 to review NATE's PHR Ignite Phase I pilot work and existing trust bundles (P2P4Tx, P2PHR, PHR2P and BB+), evaluate the current landscape and make a recommendation to the Board of Directors on Scoping a Production Trust bundle
- The workgroup was tasked with establishing the materials needed to define a practical trust community, which relying parties would adopt and CFA vendors would participate in, that satisfies applicable law while minimizing the onboarding burden
- On October 20, 2014 the workgroup's draft artifacts were published and a broad public call for input was made
- Following the public comment period (ended 11/14) the workgroup reconvened and made modifications to the proposed materials based on the crowdsourced input of the community
- The workgroup's recommendations were presented to NATE's Board of Directors on January 16, 2015 for consideration
- NATE's Board of Directors approved the recommendations on January 23, 2015 and instructed staff to begin to operationalize the bundle and make its availability known to the community

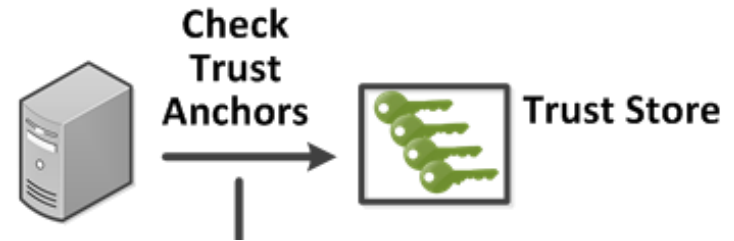
Announcing...



- We are happy to announce today that:
 - PHRs and other Consumer Facing Applications can download the NBB4C application from NATE's website and begin the onboarding process **today!**
 - Starting March 1, the NBB4C will be available to relying parties who choose to subscribe to this consumer empowering tool
 - As more Provider Facing and Consumer Facing Applications adopt this tool we will see more and more instances where providers will be able to send PHI to consumers (as Greg will demonstrate shortly)
- If you are not a CFA but want to get more involved, consider becoming a Member of NATE – **[NATE-trust.org/membership](https://nate-trust.org/membership)**
- If I've done nothing more than convince you that NATE is worth keeping tabs on, please consider subscribing to our news feed – **[NATE-trust.org/phr-community-signup](https://nate-trust.org/phr-community-signup)**
- Chad and Meryt are in the back of the room with one-pagers for those of you who are interested in getting more information on these announcements

Trust Bundles

- “Trust Bundles” are a collection of trust anchor certificates used to populate a trust store
- Reduces the need for point-to-point trust relationships:
 - A use case and set of policies define a Trust Profile
 - A Trust Bundle identifies the members of a Trust Community that have agreed to voluntarily adopt the Trust Profile
- Trust Bundles are published via Direct Project standard
- NATE is currently administering the BB+ Trust Bundles and will begin administering the NBB4C in production for subscription by all relying parties who choose to do so



Trust Bundles

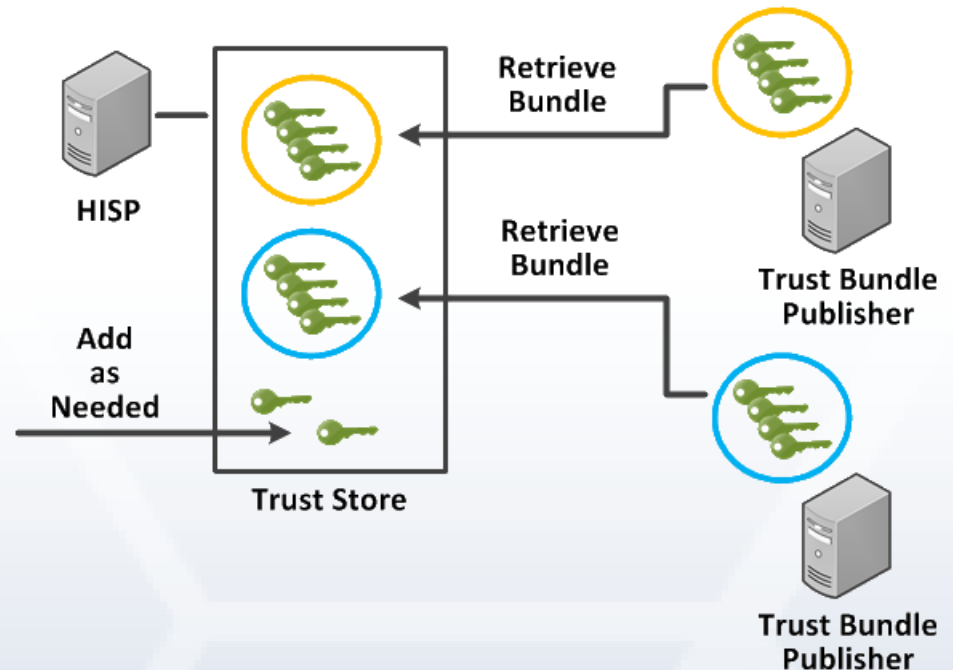
- Since Trust Bundles populate trust stores:

- HISPs can load more than one trust bundle; they are not exclusive

- Entities can be part of more than one Trust Community

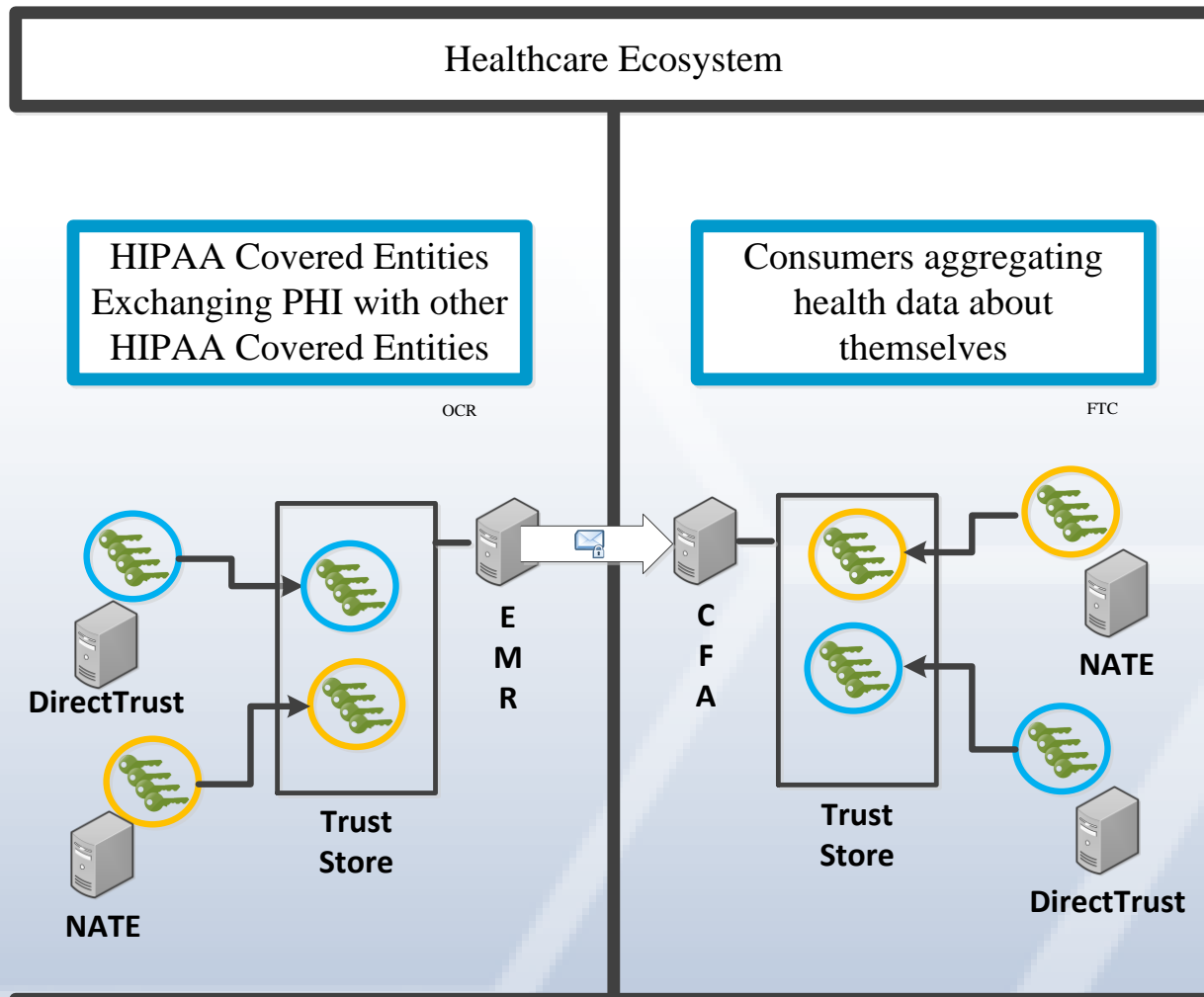
- Organizations can load anchors of individual trusted partners

- Both sender and receiver must have Trust Bundle in store (i.e. both be members of at least one common Trust Community or agree to be trusted partners)



Patient Access

- Simplifying patient sharing for providers
- Getting consumers their health information



State of the Union Address



"Tonight I'm launching a new precision medicine initiative to bring us closer to curing diseases like cancer and diabetes and to give all of us access to the personalized information we need to keep ourselves and our families healthier. We can do this."

"I want the country that eliminated polio and mapped the human genome to lead a new era of medicine—one that delivers the right treatment at the right time," he said. The initiative would help to "give all of us access to the personalized information we need to keep ourselves and our families healthier."





[NATE-trust.org/trustbundles](https://nate-trust.org/trustbundles)

Join NATE's PHR Community to Stay Informed:
[NATE-trust.org/phr-community-signup](https://nate-trust.org/phr-community-signup)



NATE-trust.org/membership



NATE-trust.org

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