CHIME/HeroX National Patient ID Challenge

Leveraging the Power of the Crowd to Solve a National Identity Imperative

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https://herox.com/PatientIDChallenge
About CHIME

The College of Healthcare Information Management Executives (CHIME) is the professional organization for Chief Information Officers and other senior healthcare IT leaders. CHIME enables its members and business partners to collaborate, exchange ideas, develop professionally and advocate the effective use of information management to improve the health and healthcare in the communities they serve.

About HeroX

HeroX was co-founded in 2013 by XPRIZE founder Peter Diamandis, challenge designer Emily Fowler and entrepreneur Christian Cotichini as a means to democratize the innovation model of XPRIZE. HeroX exists to enable anyone, anywhere in the world, to create a challenge that addresses any problem or opportunity, build a community around that challenge and activate the circumstances that can lead to a breakthrough innovation.

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Why NPID?

Right Patient.
Right Care.
Right Place.
Right Time.

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The Issues

• Health IT has made huge strides toward improving clinical care, enhancing patient safety and outcomes, and controlling costs.

• Matching the right patient with the right data at the right time is critical to ensuring patient safety and realizing the full benefits of health IT.

• There currently is no universal solution for identifying or matching patients with their personal health information.

• The industry has adopted silo’d approaches to identification and matching, resulting in additional barriers and concerns.

 Unless bold steps are taken, this is not changing anytime soon.

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Why can’t the government create a unique patient identifier?
Current Law

• HIPAA 1996: Required HHS to develop a unique identifier for healthcare.

• The 1999 Omnibus Appropriations Act signed into law (PL 105-277) stated:
  – “SEC. 516: None of the funds made available in this Act may be used to “promulgate” or adopt any final standard under section 1173(b) of the Social Security Act (42 U.S.C. 1320d-2(b)) providing for, or providing for the assignment of, a unique health identifier for an individual (except in an individual's capacity as an employer or a health care provider), until legislation is enacted specifically approving the standard.”

• Language has been carried forward in every Labor H. Appropriations Bill since.

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The Consequences

• Successfully identifying and matching patients with their personal health information is a serious patient safety issue:
  – Accuracy of matching algorithms ranges up to 90+% for internal use
  – Accuracy drops to 50% - 60% when exchanging data with other organizations (2014 ONC report)

• Errors in patient identification lead to duplicate and incomplete records, fragmented information, fraud, waste, privacy and security concerns, quality of care and safety issues (2014 ONC report)

We can do better!

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A Bold Vision

Sponsor a 10-month global competition aimed at incentivizing new, early-stage, and experienced innovators to accelerate the creation and adoption of a solution for ensuring 100% accuracy in identifying patients in the U.S.

The Challenge Prize: $1 Million

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The Challenge Breakthrough

CHIME is looking for the best NPID solution to:

• Easily and quickly identify patients
• Achieve 100% accuracy in patient identification
• Protect patient privacy and identity
• Achieve adoption by the vast majority of patients, providers, insurers, and other key stakeholders
• Scale to accommodate all patients in the U.S.

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What Does a NPID Look Like?

• **Definition**: something or a combination of somethings that is unique to one individual and can be used to easily, quickly and accurately identify the patient and their health records with 100% accuracy.

• Innovators can go myriad directions, but solution must be:
  – Privacy-enhancing, secure and resilient
  – Cost-effective, voluntary and easy to use
  – Able to support clinical workflows

• Challenge is as much about scalability as it is about technology.

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What the Challenge Is Not

- Not about health information exchange; lack of NPID is a major barrier to data sharing & interoperability.
- Not a portal that will allow providers to access all of a patient’s data in one place.
- Will not fix duplicate records in a provider’s system.
- Will not find and link disparate data; e.g. across all healthcare entities that have data for the patient.
- NPID can facilitate these important actions and is a critical first step.

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Where are we in the Challenge Process?

• Step 1: Pre-Challenge Design – 95% Complete
  • Raising the $1M prize - initiated
  • Engage global innovators (nearly 200 pre-registered)
  • Assemble Judging panel – starting soon

• Step 2: Management – Preparations Underway
  • Launch the National Patient ID Challenge – this Fall!

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Want to Learn More?

• ‘Watch the Challenge’ at HeroX website
• Provide feedback on guidelines
• Pre-Register to become an Innovator
• Volunteer to become a Judge
• Follow us on Twitter @ciochime, @iamherox
• Email me at kfraidenburg@chimecentral.org

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Thank You!

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Right Now!

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