

## DMI Consortium Meeting: Executive Summary June 7, 2023

### Purpose

*The purpose of this session was to seek individual perspectives and experiences, not group consensus advice, to inform planning, engagement, and strategies in the identification and development of sustainable and efficient solutions for interoperable and streamlined data flows, shared solutions, and health data analysis for public health purposes.*

*This meeting was convened as a group of multisector public health partners (government, public health, industry) to increase dialogue, prioritize goals, and vet real life solutions to achieve a desired future state public health data ecosystem that provides timely, secure, adaptable access and transfer of data and information to effectively drive public health action.*

### Public Health Data Strategy Milestones: Core Case Data and NBS Modernization

Presenter(s): Jen Adjemian, Michael Radwin

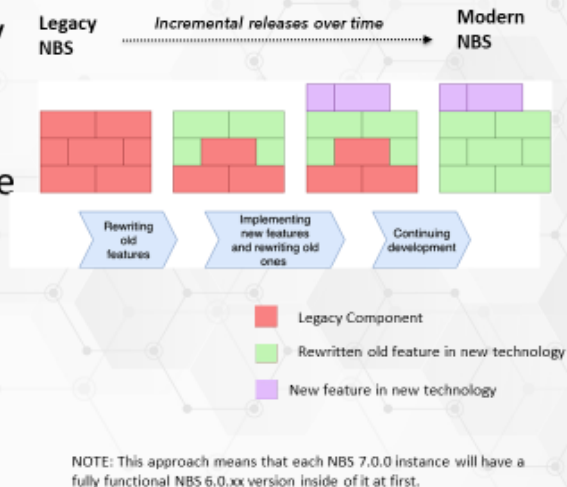
**STLTs enabled to submit a generic, core case data feed that can be used for national disease notification**

### Achieving this milestone in 2023

- Initial focus on core content as based on currently available generic, core data
  - Offer additional formats
- Focus on 'response ready' capability versus for ALL conditions
  - Can be used for emerging need
- MITRE deep dive to better address
  - Non-technical barriers
  - Delivery of technical assistance

## NBS Modernization Approach

- Rebuild completely but incrementally using ‘strangler fig’ system development method, to reduce risk
- Use human-centered design to ensure that user feedback is continuously solicited and informs the system design and development process.
- Align with CDC Data Modernization Initiative (DMI) Goals/Objectives and the North Star Architecture



Picture source: <https://blog.fingo.pl/strangler-pattern-how-to-strangle-your-legacy-system/>

Leadership from CDC’s newly established Office of Public Health Data, Surveillance, and Technology (OPHDST) presented updates on two Public Health Data Strategy milestones: Milestone 1.1, Generic Core Case Data, and Milestone 6.3, Modernized NBS Pilot. These milestones fall under Goals 1 and 2 of the Public Health Data Strategy, to 1) Strengthen the core of public health data, and 2) Accelerate access to analytic and automated solutions to support public health investigations and advance health equity. Both milestones involve modernization of CDC-operated public health systems including the National Notifiable Diseases Surveillance System (NNDSS) and the National Electronic Disease Surveillance System (NEDSS) Based System (NBS).

Milestone 1.1, Generic Core Case Data, works to enable state, tribal, local, and territorial organizations (STLTs) to submit a generic core case data feed for national disease notification by the end of 2023, with core case data for select nationally notifiable conditions reported using a common format, CDC Front Door concept, and shared back in near real-time by the end of 2024. Following a USDS sprint and issuing six recommendations, the team is working to offer additional case data formats beyond HL7 and to better address non-technical barriers and delivery of technical assistance.

Milestone 6.3, Modernized NBS Pilot, will utilize a “strangler fig” system development method to rebuild the NBS platform completely and incrementally. Objectives beyond rebuilding the platform include focusing on sustainability, timely, flexible data ingestion, easier data access and reduced reporting burden, automated workflows, improved case investigation and response tools, and a multi-tenant, software-as-a-service version of NBS through CDC’s North Star Architecture. The team is using a prioritization matrix to incorporate input from users and community members to prioritize tasks. A 6-month NBS product roadmap was shared in May 2023 and quarterly updates are planned.

## **CDC Foundation President's Council**

Presenter(s): Brandon Talley

CDC Foundation's Vice President of Non-Infectious Disease Programs provided an overview of CDC Foundation's origins, mission, and newest initiative: the CDC Foundation President's Council. The Council, established through CDC Foundation's President's Office, is tasked with leveraging partnerships across industry, philanthropy, and public health agencies to inform work, protect health, and promote multi-sector collaboration. The Council aims to bring far-reaching individuals to the table to grow resources around philanthropy, unleashing catalytic relationships, and cultivating the vision of public health to new donors, philanthropists, and public-private-partners.

*For questions regarding the CDC DMI Consortium, please contact [DMIconsortium@cdc.gov](mailto:DMIconsortium@cdc.gov).*