DDPHSS-DMI Consortium Meeting: Executive Summary November 16, 2022
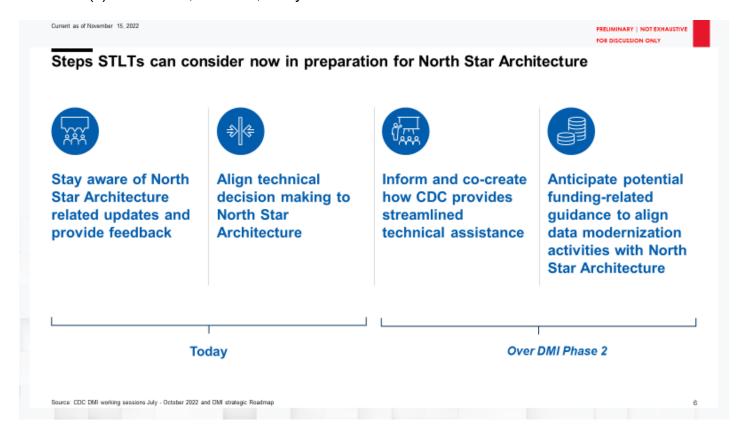
Purpose
The purpose of this session was to seek individual perspectives and experiences, not group consensus advice, to inform planning, engagement, and strategies in the identification and development of sustainable and efficient solutions for interoperable and streamlined data flows, shared solutions, 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 PH data ecosystem that provides timely, secure, adaptable access and transfer of data and information to effectively drive public health action.
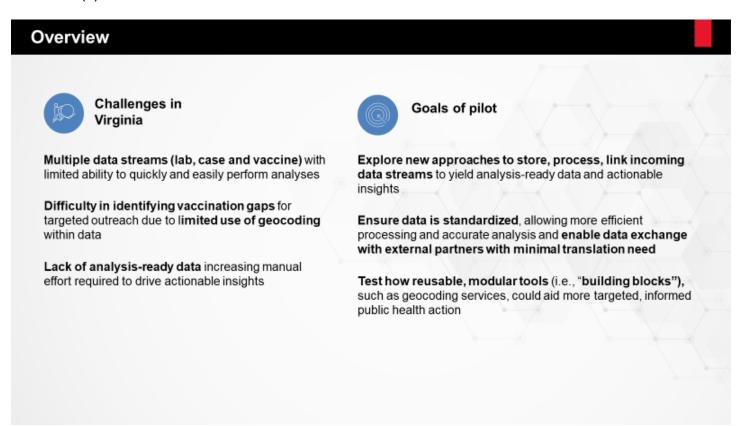
North Star Architecture Updates
Presenter(s): Mike Judd, Jim Duff, Leslyn McNabb

CDC and USDS representatives provided an overview of the goals of DMI as teams move from Phase 1 to Phase 2, including establishing impact, building core capabilities, and testing ideas, with a focus on working with partners to continue to develop the North Star Architecture and its subsequent Building Blocks. Speakers detailed two North Star Architecture components, ReportStream and Data Exchange (DEX), including the public health purposes, phased rollouts, and anticipated impacts of both. Consortium members were able to ask questions following the presentations and CDC officials indicated outreach to STLTs regarding these services would begin shortly.

Data Processing Prototype Overview and DMI Implications
Presenter(s): Mike Judd

The CDC team emphasized their commitment to providing frequent updates on the North Star Architecture's development, starting with the Virginia Pilot Project. Speakers began with an overview of the project, designed as a data pipeline effort to assist the Virginia Health Department reduce significant manual effort needed to access clean, analysis-ready data for public health action across multiple data sources and use cases. This pilot provided a working prototype of a customizable, cloud-based data pipeline ("Starter Kit") comprised of a set of "building blocks" serving as fundamental tools that automatically process raw datasets. The project improved data pipelines and served as a basis for CDC to continue to understand STLT needs and inform infrastructure recommendations. The CDC team indicated their desire to expand this and similar pilots to other jurisdictions and that the full report on the pilot would be released in the coming days. If STLT partners are interested in participating in building block focus groups, they are encouraged to reach out to dmibuildingblocks@cdc.gov to volunteer.

*For questions regarding the CDC DDPHSS-DMI Consortium, please contact
DMIconsortium@cdc.gov.*