Advancing Data for Public Health Action

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Who We Are

The Office of Public Health Data, Surveillance and Technology (OPHDST) is leading efforts to improve the availability and use of public health data to inform decision-making and action across the public health ecosystem.





A team of experts with cross-functional knowledge and skills



Driven by unified public health data strategy that helps focus our resources and clarify our priorities



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CDC's Office of Public Health Data, Surveillance and Technology (OPHDST)



Data Policy and Standards Division

Helps set and interpret data and technology policy and standards to ensure data transmitted across the PH ecosystem is robust, interoperable and conforms to open data policies

Platforms Division

Ensures that data used across CDC is robust and as accessible as possible, and to make reusable and shareable technologies available across the PH ecosystem

Our vision expands on modernization efforts and focuses on critical components

to advance data for public health action to equitably protect health, safety and security.



The Public Health Data Strategy (PHDS) has put us on a path to achieve our vision by outlining the data, technology, policy and administrative actions needed to exchange critical core data efficiently and securely across health care and public health.



We still need to address our biggest challenges and long-standing pain points

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Disconnect between public health and health IT.



Siloed systems across public health and within CDC and jurisdictions.



Manual processes, outdated technology and lagging skills.



"Driving Public Health in the Fast Lane: The Urgent Need for a 21st Century Data Superhighway." https://www.cste.org/page/DM-2021

We need to continue to reduce burden for partners

Tennessee's Public Health Department found that for **11 diseases** they used at least **20 surveillance systems** to send case data to the CDC.



Opportunities within reach



Advances in health IT connectivity, interoperability, standardization and regulation.



Multiple federal agencies supportive of and engaged in modernization efforts.



Modernized, scalable technical approaches ready to expand across public health.



CDC prioritizing moving to enterprise approach for data governance and systems.



State, Tribal, Local and Territorial (STLT) advances made during pandemic and with DMI funding.



Hypothesized future: data exchange architecture



Transforming the future of data exchange

2024 Targets



Leading to:

- Near real-time reporting and investigation of novel and serious health threats.
- Faster detection of common public health threats and outbreaks.
- Better insights into chronic disease conditions and trends.
- Nationwide real-time monitoring of public health threats.
- Faster sharing of information back to HC, improving clinical decision-making and patient safety.

Together, we will take a 'One Public Health' approach for Advancing Data for Public Health Action



We will advance data for public health action to equitably protect health, safety and security if we ...



CDC's approach to supporting state, tribal, local, and territorial health departments



Three engagement opportunities



Connecting to TEFCA

Connect public health to the health IT ecosystem

Go live with 2 STLT public health partners to exchange public health information using TEFCA Network by end of 2024. Alaska, Chicago, South Nevada, and Washington State have agreed to be the first four STLTs and we have the aggressive goal of going live with the eCR use case this summer, well before the end of the year.



Case Service Design (CSD)

Co-creating the future of case data exchange

CSD is a multi-year <u>service design</u> <u>initiative</u> focused on **defining and implementing end-to-end solutions for case data exchange** between healthcare; state, tribal, local, and territorial (STLT) jurisdictions; CDC; and associated partners.

eICR Data Evaluation

Making health data more actionable and insightful for public health.

A collaboration between the CDC and local and state PHAs to **make electronic case data more usable and actionable** by leveraging data engineering expertise and tools developed centrally by CDC to generate insights and inform decisionmaking at the local, state, and federal levels.

★ Immediate need so we are better prepared, opportunity to test new things Designing solutions holistically with a focus on people and processes Quick tests to understand potential value of EHR data for public health

Creating Our Public Health Data Future Together



Connect with us

Email: OPHDSTpartnerships@cdc.gov

Subject line: Future State





For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



National Interest in Public Health Pilots

Case Service Design TEFCA elCR Pilot Washington State **Dallas County** Alaska Chicago **Cleveland Department of Health** Maryland Pima County Fairfax Country, VA Arizona Department of Health **Dallas County** Salt River Pima-Maricopa Indian Community Chicago Maricopa County Utah Great Lakes Inter-Tribal Epidemiology Center Chicago Minnesota Department of Health Southern Nevada, NV **Olmsted County Public Health Services** Dallas, TX **Boston Public Health Commission** Houston, TX Needham Public Health Department New Mexico State of Massachusetts Health Department New York City Southern Berkshire Public Health Collaborative Virginia Milam County California **Texas Public Health Region 7** Washington D.C. **Texas Department of Health Services** Tennessee City of Lubbock Health Department Illinois South Plains Health Department lowa Southern Nevada Health District LA County

Kansas City