



BETTER DATA CONTROL = BETTER PUBLIC HEALTH

State health departments can enhance clinical data management and improve patient experiences with Deloitte's Public Health Data Platform, powered by Snowflake.

State health departments are facing a challenge. They possess and continue to acquire enormous amounts of clinical data, but often struggle to manage the influx and extract any real value from it. Aging IT platforms and processes aren't helping, leaving teams frustrated by deep wells of data that are either too large or complex to search or analyze, even with traditional reporting.

The right set of tools and partners, together with advanced technologies, can help state health departments modernize their systems to simplify regulatory compliance and improve health care for all.

RECENT GOVERNMENT INITIATIVES DRIVE NEW URGENCY

In 2020, the Centers for Disease Control and Prevention (CDC) launched a multi-year, billion-plus dollar effort to modernize core data and surveillance infrastructure across the federal and state public health landscape—the Data Modernization Initiative (DMI)¹. It includes calls to improve underlying technology, and help ensure the right people, processes, and policies are in place to deliver real-time, high-quality information at a moment's notice. But roadblocks remain:



Legacy data storage solutions with rigid data structures and limited integration capabilities



A lack of competent business intelligence tools and analytics-driven insights



Disconnected data models that prevent accurate understanding of epidemiological and clinical data

A SMARTER, MORE EFFICIENT CLINICAL DATA MANAGEMENT FUTURE

Deloitte's Public Health Data Platform, developed in collaboration with Snowflake, is designed to guide state health departments towards analytic proficiency, and make good on the CDC's Data Modernization Initiative requirements.

The platform isn't just a data repository, it's a comprehensive solution that streamlines data-driven decision-making across the public health infrastructure. The potential benefits of migrating to its cloud-native environment mean that state health departments can far more easily:

- Identify and address reporting, access, and health equity issues with timely interventions.
- Elevate program effectiveness with innovative analytics.
- Enhance collaborative efforts across various health silos.
- Provide predictive insights for informed decision-making.

HOW DOES PUBLIC HEALTH DATA PLATFORM WORK?

Deloitte's Public Health Data Platform facilitates a robust and secure aggregation of diverse clinical data, enabling advanced analytics in crucial areas like disease surveillance, health equity, and population health.

It does so through a powerful combination of artificial intelligence (AI), machine learning (ML), and advanced data visualization made possible by Snowflake's Data Cloud, combined with Deloitte's proven experience in helping public sector clients implement comprehensive, outcome-focused, and modern approaches to managing public health data.

The Public Health Data Platform solution leverages these technologies and insights to provide agencies with a future-ready framework built on:

Scalable, elastic cloud-native architecture

Adapt varying data volumes and formats, helping to ensure cost-efficiency, performance scalability, and data flexibility

User-focused design, catering to operational and analytical needs

Tailored to meet the demands of both day-to-day operations and in-depth analysis

Efficient real-time data processing and dissemination

Process and deliver data to central locations to support timely decision-making and actions

Robust data standards, ensuring continuous quality enhancement

Employ stringent data standards to improve data integrity, reliability, and utility over time

Governance framework for data

Establish and enforce robust data standards to enhance the quality, reliability, and utility of health data

Seamless and secure data sharing capabilities

Facilitate easy and protected data sharing across organizations, ensuring data privacy and compliance

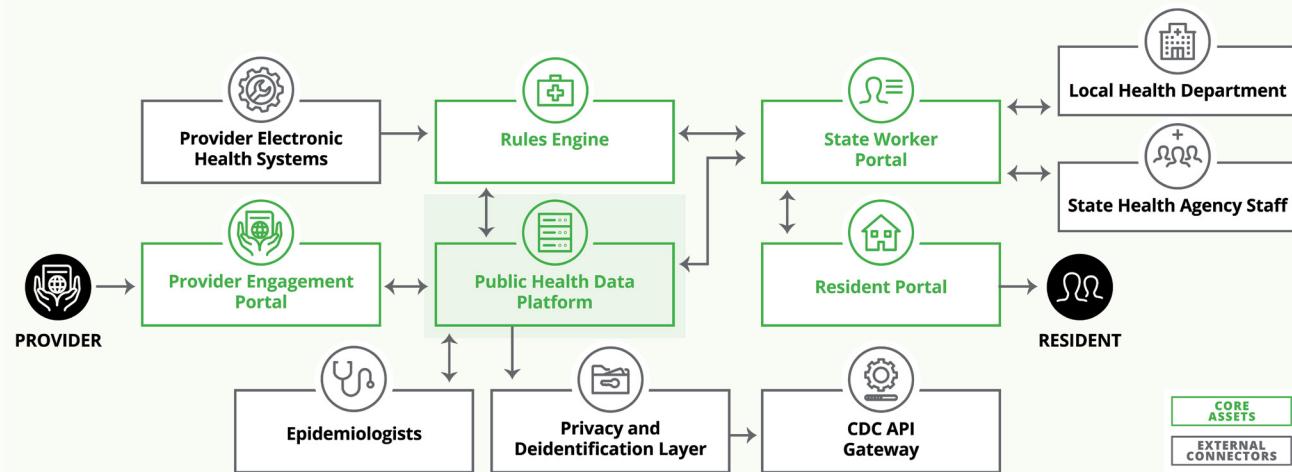
ADVANCING PUBLIC HEALTH GOALS AND DRIVING EFFICIENCY

With the power of Snowflake's Data Cloud and Deloitte's experience at the core of the Public Health Data Platform, state health departments can mobilize clinical data and strengthen security measures with tools such as active cyber threat monitoring and CMS (Centers for Medicare and Medicaid Services) certification compliance.

In addition, the platform can significantly boost operational efficiencies and reduce costs associated with data warehousing and development operations.

A VISION ALIGNED WITH THE FUTURE OF PUBLIC HEALTH

Public Health Data Platform is ready to become the central element of your agency's public health infrastructure. In addition to platform itself, Deloitte has created an integrated vision for public health data modernization by offering an array of modular and interconnected public health assets that can help your agency align with the CDC's vision for public health that is more integrated, efficient, and responsive, as outlined in the figure below.



State health care departments can implement a more seamless, meaningful digital experience for constituents with Deloitte's Public Health Data Platform to streamline data management and processes, more easily and quickly connect patients to specialists, empower agencies to spend less time on system-based tasks and requirements and more time using data to optimize care for all.

READY TO LEARN MORE OR SCHEDULE YOUR OWN CUSTOMIZED DEMO?

Contact us today!

Misty Jirikils

Sales Executive
Deloitte Consulting LLP
mjirikils@deloitte.com

Melinda Radlinski

Principal
Strategy & Analytics
Deloitte Consulting LLP
melindaradlinski@deloitte.com

Katie Miller

Senior Manager
Product Owner
Deloitte Consulting LLP
kathrynmillier@deloitte.com

David Betts

Partner
National Public Health Leader
Deloitte Consulting LLP
dabetts@deloitte.com

Reference

1. <https://www.cdc.gov/surveillance/data-modernization/basics/what-is-dmi.html>

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