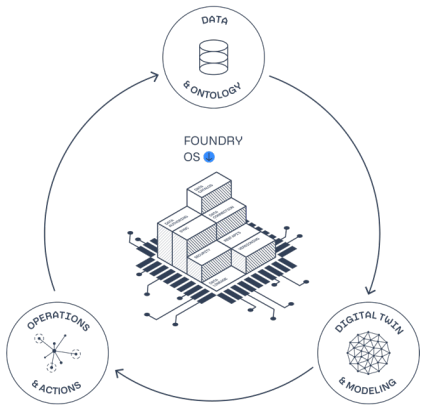
Public Health Surveillance + Response

As a cornerstone of public health practice, public health surveillance requires systematic collection, analysis, and interpretation of data to understand, prevent, and control disease and injury. Effective surveillance also requires coordination between federal, state, local organizations and the private sector as well as navigating hundreds of different existing source systems and databases.



The Foundry configuration of the Palantir Platform ("Foundry") provides a modernized infrastructure for integrating data across sources–including individual-level and place-based—to create a holistic view of public health data. The platform enables complex coordination and collaboration for outbreak response while enforcing robust security and governance with strict role- and permission-based access controls.

01 — Public Health Surveillance

Public health surveillance requires ingesting data from multiple sources. Foundry serves as a central source of truth for public health agencies and their partners to synthesize this data in one accessible and secure location.

02 — Outbreak and Event Response

A public health response requires current, comprehensive information. However, knowledge and data are often siloed across agencies and locked within non-interoperable systems. Foundry creates a shared understanding of the problem at hand for rapid, real-time response.

03 — Secure and Efficient Collaboration

Partnership is at the heart of effective public health programs; successful collaboration requires a robust infrastructure. This includes data sharing and flexibility to support evolving data requirements and data use agreements. Foundry interoperates with other systems and tools, both open and proprietary, for enhanced collaboration and lock-in prevention.

04 — Integrating Legacy Public Health Data Infrastructure

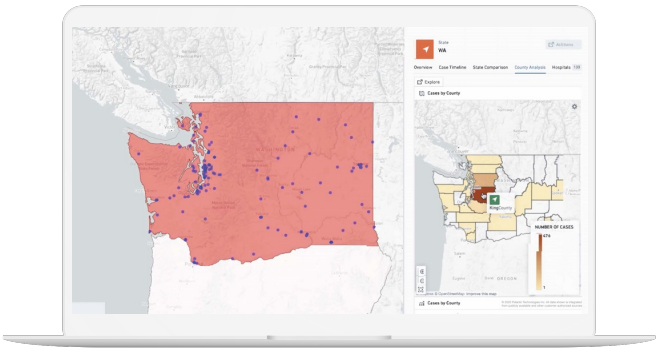
Public health data is spread out among hundreds of legacy systems that do not have the ability to meet new public health standards. Foundry integrates data from any legacy source and allows it to adapt to modern, open standards, while ensuring data is still made available to all relevant, allowed users.

Modernizing Public Health Surveillance and Response ↘

Foundry is a commercially available, market-leading platform for public health data solutions and infrastructure. It is a proven and flexible solution that can scale up to support major surges in user count and data volumes during public health outbreaks, while maintaining stability for routine surveillance needs.

- → Best-in-class security and audibility
- → Highly configurable data integration and transformation
- → Continuous data validation and quality checks
- → Secure and efficient collaboration
- → Open, fully extensible, and interoperable—preventing lock-in

Case Study ↘ DCIPHER at CDC



Since 2016, the CDC has used Foundry configured as the Data Collation and Integration for Public Health Event Response (DCIPHER). DCIPHER is a highly interoperable, data-agnostic platform that automates data ingestion, quality control, transformation, and analysis from over 40 CDC and external partner data sources and systems.

- → Empowers public health teams to integrate analytics and program operations
- → Establishes a central source of truth for public health initiatives across stakeholders
- → Eliminates barriers to data-driven insights by interoperating with existing investments while providing inclusive in-platform tools