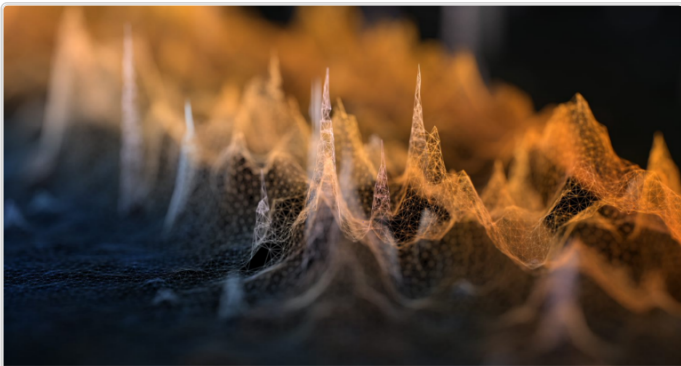


## Public Health Surveillance and Data


# CDC Data Modernization Initiative – Notable Milestones: 2019–2020

CDC’s Data Modernization Initiative (DMI) is a comprehensive strategy designed to move public health from tracking threats to predicting them. Expanding on the work of CDC’s [Surveillance Strategy](#), the DMI is making a measurable difference our nation’s ability both to respond to the current pandemic and to find and face any future public health threat.

Below are some key advancements in our progress from 2019-2020.



Complex threats expose gaps and prompt action

- Partners [sound the alarm](#)  that public health data are “moving slower than disease”



*Epidemics like opioids, suicide, and **EVAI** challenge public health’s capabilities*



*Public Health Data Modernization Initiative (DMI) launches with a vision of world class data and analytics*

**For the first time, Congress dedicates \$50 million in FY2020  to support data modernization**



#### Growing support for modernization

- Data standards, such as [FHIR](#) , and new federal policies push modernization forward
- CDC expands data-ready innovation with healthcare, academic, and research partners
- CDC awards first funding to states for data modernization and system interoperability
- DMI lays out a strategic [roadmap](#)  to guide modernization and evaluation

**Coronavirus Aid, Relief, and Economic Security (CARES) Act designates \$500 million to support rapid modernization**



#### CDC answers the urgent call

- Focus on [core surveillance](#) systems improves early warning signals for biggest health threats
- CDC releases [open data site](#) to share technology resources and foster innovation
- New IT and Data Governance unifies CDC's investments in modernization

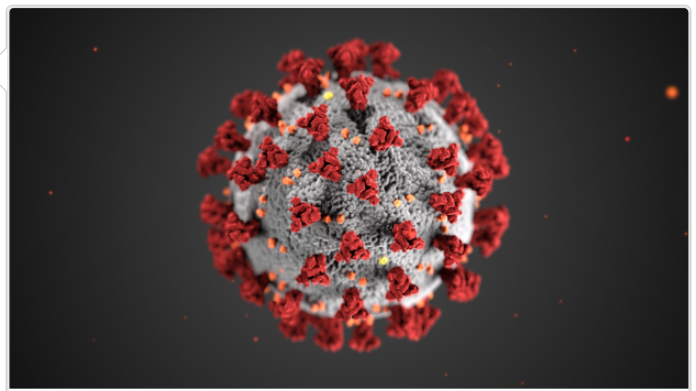
**Volume and velocity of COVID-19 cases quickly overwhelms public health data systems**



### Accelerating the strategy

- Accelerated [investments](#) and projects increase capacity to rapidly detect and respond to the pandemic
- Assigned Implementation Leads align, coordinate, monitor, and measure progress toward future state
- CDC expands [programs](#) for state-of-the-art data science, visualization, and informatics training
- CDC and the [U.S. Digital Service](#) [🔗](#) pilot [pandemic-ready systems](#) [📄](#) at state and local health departments

***Congress dedicates \$50 million in FY2021 to continue data modernization activities***



### Answering the pandemic

- [Multiple CDC surveillance systems](#) extend ability to track COVID-19
- CDC rapidly onboards health departments to automate transmission of electronic [laboratory reports](#)
- Huge leaps in [electronic case reporting \(eCR\)](#) automate real-time information exchange between [thousands of healthcare facilities](#)
- Provisional COVID-19 [death data](#) and new data on [excess deaths](#) informs response
- CDC and federal agencies stand up [experimental data](#) to track mental, social, and economic health
- CDC integrates data from multiple [core surveillance systems](#) into [COVID Tracker](#) interface



### The path to prevention

- Sustainable investments will ensure lifesaving prevention and response for COVID-19 and beyond

