

TIMELY. ACCURATE. ACCESSIBLE.

THE NEW WORLD OF PUBLIC HEALTH DATA

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CDC is developing world-class data and analytics to transform today's reality and meet new opportunities for lifesaving prevention and response.



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention



“ As public health leaders, we must be prepared to handle the challenges of today and, at the same time, to make real the potential of the new innovation of tomorrow. ”

Robert R. Redfield, MD
Director, CDC, and Administrator,
ATSDR

The New World of Public Health Data: Timely, Accurate, Accessible...

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THE REALITY

REACTING
Always behind when an epidemic occurs



COUNTING DATA
Collecting data without the ability to rapidly analyze it



STORING IN SILOS
120 silos that restrict data sharing between systems



LOOKING BACK
Using data to see what has already happened



MOVING SLOWLY
Outdated, paper based-systems with multiple points of data transfer



USING RESOURCES INEFFICIENTLY
New resources always required to do new data collection



THE OPPORTUNITY

ANTICIPATING
Getting ahead of an epidemic **to stop it**



UNDERSTANDING DATA
Faster analysis to **gain real-time insights**



SHARING ON PLATFORMS
Interoperable, accessible data **for action**



LOOKING FORWARD
Using data to **predict and prevent threats**



MOVING FAST
Creating a true digital highway to **transfer data in real time**



CONNECTING RESOURCES
Leveraging existing resources and making common **investments for the future**



Data is moving slower than the disease...

“The nation’s public health data systems are antiquated and in dire need of security upgrades - paper records, phone calls, spreadsheets and faxes requiring manual data entry are still in widespread use and have significant consequences including delayed detection and response, lost time, missed opportunities and lost lives.”

Testimony of Janet Hamilton, Director of Science and Policy at CSTE, speaks at Public Witness Day, April 9, 2019
Labor, Health and Human Services, Education, and Related Agencies (116th Congress)



Value of Electronic Case Reporting (eCR)



More complete,
accurate data in
real-time



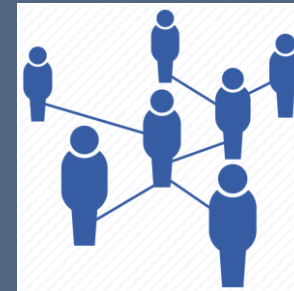
Early detection =
earlier intervention



Improve outbreak
detection, response,
and recovery



Diminishes healthcare
provider burden and meets
public health needs



Links healthcare to
population health