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Case Surveillance Modernization | National Notifiable Diseases Surveillance System (NNDSS) | CDC  
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National Notifiable Diseases Surveillance System (NNDSS)  
Explore Topics  
Search  
Search  
For Everyone  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View all  
Related Topics:  
NDC Application  
View All  
search  
close search  
search  
National Notifiable Diseases Surveillance System (NNDSS)  
Menu  
Close  
search  
For Everyone  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
Related Topics  
NDC Application  
View All  
National Notifiable Diseases Surveillance System (NNDSS)  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
November 20, 2024  
Case Surveillance Modernization  
About  
CDC is leading collaboration across public health to enable easier access to the right data for the right action at the right time.  
As part of this effort, CDC is developing products, services, and solutions to streamline the experience of people exchanging case data.  
CDC's Case Service Design initiative is designing and implementing the future of case data exchange.  
Overview  
This page provides information to state, tribal, local, and territorial (STLT) health departments about what CDC is doing to  
modernize technologies, infrastructure, and policies for exchanging case surveillance data  
and how health departments can work with CDC to develop and refine successful strategies.  
Reducing burden to enable action  
Long-standing challenges with the case data exchange pipeline have made it difficult for public health professionals and healthcare providers to focus their time and resources on taking action to save lives and protect people. Many extremely dedicated public health workers across the country have found creative, ad-hoc solutions to meet their day-to-day needs. However, short-term solutions are not enough. To achieve lasting change, public health needs a common vision of the future and a clear plan to enact that vision.  
As part of our  
vision for public health data  
, CDC is working together with public health professionals from STLT health departments; tribal epidemiology centers; and national partners to co-create a future where public health professionals, healthcare providers, and the public can get  
the right data for the right action at the right time.  
Here are some of the ways CDC is working across public health to modernize case data exchange:  
Design and implement the future of case data exchange  
through the  
Case Service Design initiative  
to help public health professionals get the data they need to inform public health action  
.  
Modernize the National Notifiable Diseases Surveillance System  
by improving performance and adding flexibility to the  
Message Validation, Processing, and Provisioning System  
, streamlining  
message mapping guide  
onboarding, and offering new tools for data analytics and visualization.  
Automate the exchange of data  
between electronic health records and public health agencies with  
electronic case reporting  
.  
Implement the minimal data necessary for case data  
to support effective public health emergency response and help public health officials to get essential information needed for action quickly with less strain on the time and resources of health departments and healthcare providers.  
Standardize core case data elements  
in close collaboration with the Council of State and Territorial Epidemiologist's  
Data Standardization Work Group  
to improve interoperability and public health's ability to exchange, interpret and use data as well as save time during public health emergencies.  
Streamline reporting pathways  
for health departments by creating  
one front door to send data to CDC.  
Increase data exchange capacity at health departments  
by providing direct funding; recruiting 140 technical experts to  
strengthen the public health data workforce  
; and offering technical, policy, and logistics support through  
data modernization implementation centers  
in collaboration with national partners.  
Creating the future of case data exchange together  
Advancing data for public health action requires us all to work together toward a common vision.  
CDC needs your help to develop and refine successful strategies  
that put people at the center of the modernization process. Here's what health departments can do:  
Email  
ophdst@cdc.gov  
for more information about creating the future of case surveillance.  
Subscribe  
to  
Case Surveillance News  
for quarterly news and updates relevant to public surveillance and informatics professionals working with case data.  
Join  
CDC's monthly  
eSHARE webinars  
to learn about various case data projects across public health and connect with other health departments and CDC.  
On This Page  
Overview  
Reducing burden to enable action  
Creating the future of case data exchange together  
November 20, 2024  
Sources  
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Office of Public Health Data, Surveillance, and Technology (OPHDST)  
National Notifiable Diseases Surveillance System (NNDSS)  
NNDSS receives and shares case data from state, local, and territorial health departments to help public health monitor, control, and prevent serious diseases.  
View All  
About About National Notifiable Diseases Surveillance System  
What is Case Surveillance?  
Case Surveillance Modernization  
Infectious Disease Tables  
Non-Infectious Disease Data  
Technical Resource Center  
Case Surveillance in Action  
Contact Us  
View All  
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About CDC  
About CDC  
Organization  
Budget & Funding  
Careers & Jobs  
Policies  
Accessibility  
External Links  
Privacy  
Web Policies  
FOIA  
OIG  
No Fear Act  
Nondiscrimination  
Vulnerability Disclosure Policy  
Languages  
Languages  
EspaÃ±ol  
Language Assistance  
EspaÃ±ol  
ç¹é«ä¸­æ  
Tiáº¿ng Viá»t  
íêµ­ì´  
Tagalog  
Ð ÑÑÑÐºÐ¸Ð¹  
Ø§ÙØ¹Ø±Ø¨ÙØ©  
KreyÃ²l Ayisyen  
FranÃ§ais  
Polski  
PortuguÃªs  
Italiano  
Deutsch  
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ÙØ§Ø±Ø³Û  
English  
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Careers & Jobs  
About CDC  
Policies  
Accessibility  
External Links  
Privacy  
Web Policies  
FOIA  
OIG  
No Fear Act  
Nondiscrimination  
Vulnerability Disclosure Policy  
Languages  
Languages  
EspaÃ±ol  
Language Assistance  
EspaÃ±ol  
ç¹é«ä¸­æ  
Tiáº¿ng Viá»t  
íêµ­ì´  
Tagalog  
Ð ÑÑÑÐºÐ¸Ð¹  
Ø§ÙØ¹Ø±Ø¨ÙØ©  
KreyÃ²l Ayisyen  
FranÃ§ais  
Polski  
PortuguÃªs  
Italiano  
Deutsch  
æ¥æ¬èª  
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English  
Archive  
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