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Disease Surveillance A Public Health

Public health surveillance is “the ongoing, systematic collection, analysis, and interpretation of health-related data essential to planning, implementation, and evaluation of public health practice.” — Field Epidemiology. These materials provide an overview of public health surveillance systems and methods.

Topics

Introduction to Public Health Surveillance|Public Health

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Surveillance and data are the foundation of public health practice. That's why CDC continues to focus on strategically improving the systems and approaches used to gather and

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connect data. Learn about CDC's "boots-on-the-ground" disease detectives: who they are, how they protect the public's health, and how to become one.

Public Health Surveillance and Data | CDC

An ongoing, systematic collection, analysis and interpretation of health-related data essential to the planning, implementation, and evaluation of public health practice. Surveillance is undertaken to inform disease prevention and control measures. Why is surveillance needed? serve as an early warning system, identify public health emergencies

WHO | Public health surveillance

Public health surveillance provides and interprets data to facilitate the prevention and control of disease. To achieve this purpose, surveillance for a disease or other health problem should have clear objectives.

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Lesson 5: Public Health Surveillance - Centers for Disease

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Disease surveillance is an ongoing process that involves the systematic collection, analysis, interpretation, and dissemination of information regarding the occurrence of diseases in defined populations for public health action to reduce morbidity and mortality.⁴⁴ Surveillance can be conducted in the community and in institutional settings, where it may form the basis for an infection-prevention program.

Disease Surveillance - an overview | ScienceDirect Topics

According to the Centers for Disease Control and Prevention (CDC), epidemiological surveillance is “the ongoing systematic collection, analysis, and interpretation of health data essential to the planning, implementation, and evaluation of public health practice, closely integrated with the timely dissemination of

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these data to those who need to know.”

Public Health Surveillance: Importance, Types and Steps of ...

Types of Disease Surveillance Public health departments at the federal, state, and local levels use different types of surveillance systems to promote health and prevent disease. These systems can be used to monitor disease trends and plan public health programs. There are two primary types of disease surveillance: passive and active.

Types of Surveillance

To protect Americans from serious disease, the National Notifiable Diseases Surveillance System (NNDSS) helps public health monitor, control, and prevent about 120 diseases. These diseases are important to monitor nationwide and include infectious diseases such as Zika, foodborne outbreaks such as E.

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coli, and noninfectious conditions such as lead poisoning.

NDSS | Centers for Disease Control and Prevention

Untreated chlamydial infection is a major cause of pelvic inflammatory disease and infertility. Surveillance can be conducted through routine laboratory reporting of all positive tests for chlamydia, which might reduce the reporting burden on health-care providers.

Lesson 5: Public Health Surveillance - Centers for Disease

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Disease surveillance is at the heart of a public health system. It is used to monitor disease trends over time, to detect disease outbreaks, and to increase our knowledge of risk factors that contribute to disease development.

Epidemiology and Disease Surveillance | AustinTexas.gov

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CDC surveillance systems fall into four broad categories covering infectious diseases, noninfectious health conditions, both infectious and noninfectious diseases and health conditions, and risk factors and exposures. Where surveillance investments go Surveillance-related grants and funding have increased over time.

Public Health Surveillance at CDC | CDC

Public health disease surveillance is the ongoing, systematic collection, analysis and interpretation of the who, what, where, when and how of disease case occurrence in a population.

NC DPH: Communicable Disease Surveillance & Reporting

The Iowa Disease Surveillance System (IDSS) enables local public health, hospitals, laboratories, and IDPH to collaborate electronically as they perform disease reporting and surveillance activities across the state.

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CADE - Iowa Disease Surveillance System (IDSS)

Disease surveillance is an information-based activity involving the collection, analysis and interpretation of large volumes of data originating from a variety of sources. The information collated is then used in a number of ways to Evaluate the effectiveness of control and preventative health measures

What is disease surveillance - Health Protection ...

Integrated disease surveillance envisages all surveillance activities in a country as a common public service that carry out many functions using similar structures, processes and personnel.

WHO | Integrated disease surveillance

Public health surveillance has been defined as “the ongoing, systematic collection, analysis and interpretation of health-

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related data with the a priori purpose of preventing or controlling disease or injury and identifying unusual events of public health importance, followed by the dissemination and use of such information for public health action" (1).

Strengthening Global Public Health Surveillance through

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Public health surveillance (also epidemiological surveillance, clinical surveillance or syndromic surveillance) is, according to the World Health Organization (WHO), "the continuous, systematic collection, analysis and interpretation of health-related data needed for the planning, implementation, and evaluation of public health practice."

Public health surveillance - Wikipedia

The Chronic Disease Surveillance and Research Branch (CDSRB) is committed to serving the public by collecting statewide data

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about cancer and cancer risk factors, conducting surveillance and research into the causes, cures, and controls of cancer, and communicating the results to the public.

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