

### Public Health 101: History and Structure

Curtis Marshall WI DPH, Office of Policy and Practice Alignment, Southeast Region

### Topics

### Introduction to Public Health

- Hour Health Denhiton
   History of Public Health
   A Public Health Approach
   Stakeholder Roles in Public Health

### Learning Objectives

- Identify prominent events in the history of public health
- Describe stakeholders in the field of public health
  Describe the structure of public health

### **Public Health Defined**



\* The science and art of preventing disease, prolonging life, and promoting health through the organized efforts and informed choices of society, organizations, public and private communities, and individuals.\*

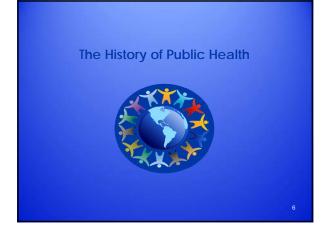
### The Mission of Public Health



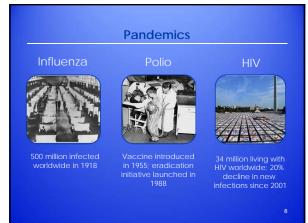
World Health Organization

"Fulfilling society's interest in assuring conditions in which people can be healthy." —Institute of Medicine

\* Public health aims to provide maximum benefit for the largest number of people. \*



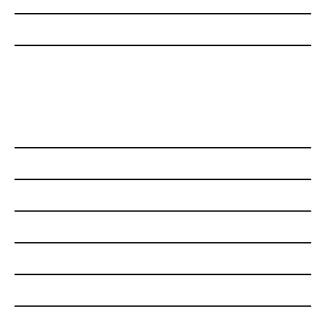
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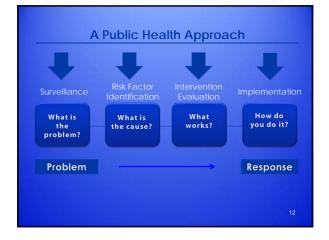










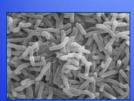








### Cholera — A Public Health Approach

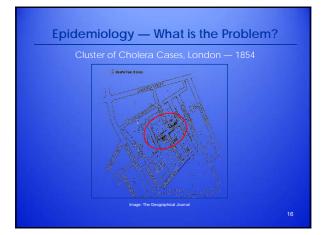


# Cholera, a fatal intestinal disease, was rampant during the early 1800s in London, causing death to tens of thousands of people in the area. Cholera was commonly thought to be caused by bad air from rotting organic matter.

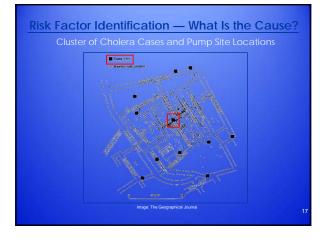
### John Snow, Physician



John Snow is best known for his work tracing the source of the cholera outbreak and is considered the father of modern epidemiology.







### Intervention Evaluation — What Works?

Through continuous research, Snow understood what interventions were required to

- stop exposure to the contaminated water supply on a larger scale, and
- stop exposure to the entire supply of contaminated water in the area

### Implementation — How Do You Do It?

John Snow's research convinced the British government that the source of cholera was water contaminated with sewage



Photo: Justin Cormack

## Structure of Public Health in the United States

Office for State, Tribal, Local and Territorial Support

Centers for Disease Control and Prevention

### **Governmental Public Health**

State and Local Health Departments

Retain the primary responsibility for health under the US Constitution





### Federal Public Health Roles and Responsibilities

### **Federal Public Health Responsibilities**

- Ensure all levels of government have the capabilities to provide essential public health services
- Act when health threats may span more than one state, a region, or the entire nation
- Act where the solutions may be beyond the jurisdiction of individual states
- Act to assist the states when they lack the expertise or resources to effectively respond in a public health emergency (e.g., a disaster, bioterrorism, or an emerging disease)
- Facilitate the formulation of public health goals (in collaboration with state and local governments and other relevant stakeholders)

### **Other Roles of Federal Public Health**

Federal government plays a crucial role in

- Providing leadership, through regulatory powers, in setting health
  - Goals
  - Policies
  - Standards
- Contributing operational and financial resources
- Financing research and higher education
- Supporting the development of scientific and technological tools needed to improve the effectiveness of public health infrastructure at all levels

### State Health Departments Roles and Responsibilities

### **State Roles**

- Screening for diseases and conditions
- Treatment for diseases
- state laboratory service
- Epidemiology and surveillance

Local Health Departments Roles and Responsibilities

### Six Required Services of Wisconsin LHDs:

- 1. Communicable disease surveillance, prevention
- 2. Generalized public health nursing program

- occupational disease, environmental disease and human health hazard exposure

### State and Local Health Department **Governance Classification System**

- Mixed—Some local health departments are led by state government, and some are led by local government. No one arrangement predominates in the state.
- **State/Centralized**—All local health departments are units of state government, which makes most fiscal decisions.
- Shared—All local health departments are governed by both state and local authorities.
- **Local/Decentralized**—Local health departments are units led by local governments, which make most fiscal decisions.

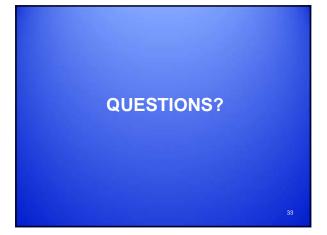
### Wisconsin Local Governance

- Allows municipalities to determine their local affairs and government
- - Except as otherwise provided by law, management and control of the municipality's property, finances, highways, navigable waters, and the public services



### **Tribal Public Health**

- Tribal Health Department—a corporation or organization operated under the jurisdiction of a federally recognized tribe, or association of federally recognized tribes, and is funded by the tribe(s) and/or contract service(s) from the Indian Health Service (IHS).
- Tribal Health Organizations—include Tribal Health Departments, Indian Health Service Units, Area Indian Health Boards and Urban Indian Health Centers (a much broader group, and relates to a variety of entities that might provide health services in a tribal setting).



### **Resources and Additional Reading**

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- Auto: 100590-5. Kindig D. Stoddart G. What is population health? Am J public health. 2003;93:380-3. Institute of Medicine. For the public's health: Investing in a healthier future. Washington, DC: National Academies Press. 2012. Institute of Medicine. Primary care and public health: exploring integration to improve population health. Washington, DC: The National Academies Press. 2012.

### Resources and Additional Reading

- Institute of Medicine. The future of public health. Washington, DC: The National Academics Press: 1988. Institute of Medicine. The future of the public's health in the 21<sup>st</sup> century. Washington, DC: The National Academics Press: 2003. Institute of Medicine. Whe future of the public's health in the 21<sup>st</sup> century. Washington, DC: The National Academics Press: 2003. Pearl R. Clacco smoking and longevity. Science 1938 87:216-7. Reamble to the Constitution of the World Health Organization as adopted by the Institute of Medicine. Who commission. Texting while driving. UMDS: UNADS World ADS Day Report, Science 1938 87:216-7. UNADS: UNADS World ADS Day Report, 2014 Courtents/poleminology/2012/g2012/2014/2014 Modifabdiad, results, en part documents/epideminology/2012/g2012/20143. World ADSday, results, en part Market, Protecher Medical, and Welfare. Smoking and health. Washington, DC: Discher AL futerduction to public health science and practice. "Resented at the COL Science A. The unitide field of public health. Med 1920:118-9. US Department of Health, Education, and Welfare. Smoking and health. Washington, DC: Discher AL futer discher Effectiveness Fellowship Orientation August 15, 2012. US Department of Health, Education, and Welfare. Smoking and health. Washington, DC: Discher AL futer united field of public health. Mod Net 1920:118-9. World Health Organization (WHO). World report on wiolence and health. Generse. WHO 2020. the;//www.hoi.ni/violence.jnjury\_republic/violence/interviol.com/col. 35

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