The Office of Public Health Scientific Services (OPHSS) at the Centers for Disease Control and Prevention (CDC)

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Centers for Disease Control and Prevention
Office of Public Health Scientific Services
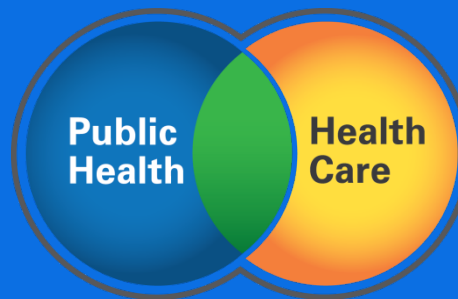
CDC Strategic Directions

HEALTH SECURITY

Improve health security at home and around the world

LEADING CAUSES OF DEATH

Better prevent the leading causes of illness, injury, disability, and death

PUBLIC HEALTH-HEALTH CARE COLLABORATION

Public Health

Health Care

Strengthen public health/ health care collaboration

CDC Resources in OPHSS

OPHSS has cross cutting responsibility for the tools of public health...

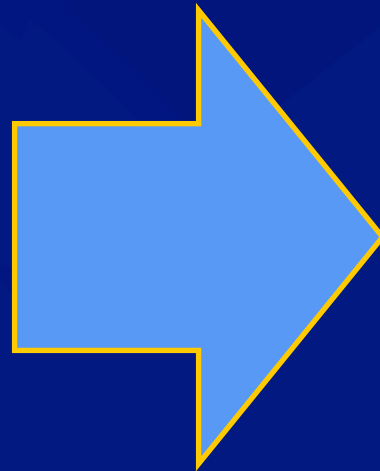Epidemiology and Surveillance

Health Statistics

Informatics
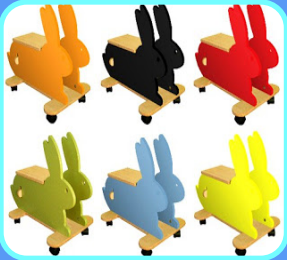
Laboratory Quality

Scientific Guidelines

Scientific Workforce

Scientific Communication

Knowledge for public health action

Surveillance Challenges

Proliferation

- **>120 surveillance systems or activities at CDC**

Silos

- **Interconnections, interdependencies, efficiencies unrealized**
- **Local/state health departments: many systems/requirements**

Innovation and Resources

- **Slow adoption of new technologies**
- **Insufficient workforce with the right skills in the right places**

Emerging Health Information Policies

- **Electronic Health Records and Meaningful Use Standards**
- **Interoperability Requirements**

Calls for Enhancements to CDC Surveillance Systems

- *Congressional FY 2015 budget language* requires CDC to "develop a timeline for a cloud-based and flexible IT public health data reporting platform for CDC programs"

- *Council of State and Territorial Epidemiologists* has asked CDC to evaluate which data elements are truly needed for surveillance and to coordinate across CDC programs to harmonize and standardize data elements

- *CDC Director* charged Office of Public Health Scientific Services to lead the CDC surveillance strategy

CDC Surveillance Strategy

Improve availability and timeliness of surveillance data

Advance effective use of emerging information technology

Identify and amend or retire ineffective or redundant surveillance systems

Maximize effectiveness of resources, and performance and coordination of surveillance systems

Surveillance Strategy Activities and Initiatives

Activities

- **Surveillance Leadership Board**
- **CDC Health Informatics Innovation Consortium**
- **HIT Policy Committee (FACA) representation**
- **Strategic Health IT Vendor Forum**

Initiatives

- **Mortality statistics—Electronic Death Reporting**
- **Lab reporting—Electronic Lab Reporting**
- **Syndromic Surveillance—Visualization and Analytics**
- **Notifiable Diseases—Electronic Reporting**

Additional Information on CDC Surveillance Strategy

- **CDC Internet Site:**
  http://www.cdc.gov/surveillance/

- **"Surveillance Strategy: A strategy for improving CDC's activities in public health surveillance":**
  http://www.cdc.gov/ophss/docs/cdc-surveillance-strategy-final.pdf

Concluding Thoughts

Data are essential to improve population health

- **Triangulate health problems to produce accurate picture**
- **Help understand needed solutions**
- **Advance knowledge of effective interventions**
- **Provide ongoing feedback on success**

Many opportunities exist to promote health and prevention

- **Data analytics**
- **Evidence for community and population interventions**
- **Collaborations**

Thank You!

Questions?

For more information please contact Centers for Disease Control and Prevention

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Visit: www.cdc.gov | Contact CDC at: 1-800-CDC-INFO or www.cdc.gov/info

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.