

ACDP Section Map Information

- 1) We work to prevent the spread of acute and communicable diseases:
 - a. Identifying and tracking cases
 - b. Investigating cases and controlling transmission
 - c. Intervening and providing consultation and training to prevent transmission of disease
 - d. Evaluating effectiveness of vaccines, screening, and infection control capacity
 - e. Identifying and responding to emerging events using appropriate data systems, epidemiologic tools, risk communication, and incident command structures.

Disease tracking (Data Systems)

- 1) To stop transmission of diseases, you need appropriate **data systems** for tracking.
- 2) We have a statewide reportable disease database system for cases and outbreaks.
- 3) Many labs send information to us via electronic laboratory reporting; also still receive faxes.

Disease Investigation and Control (Emerging Infections and Reportable Diseases)

- 1) Guidance to assist local health departments and medical systems prevent disease spread
- 2) Legally reportable diseases: known ongoing public health implications
- 3) Emerging Infections initiatives to identify emerging concerns, such as drug resistant infections or changes in foodborne, respiratory, or healthcare associated infections.

Public Health Evaluations (Effectiveness of Interventions, Screening, and Early Treatment)

- 1) Evaluate vaccines (influenza, HPV), interventions (HCV screening), and infection control capacity for public health implications for preventing disease spread
- 2) We chose **HCV mortality** as our target since Oregon is doing worse than many other states

Intervention (and prevention – sub-program One Health)

- 1) One-health integrated approach to interventions and prevention, where the entire system is considered: for example antimicrobial resistance includes healthcare settings, pharmacies, community factors, animal health, agriculture, and veterinary medicine.
- 2) We provide training and technical assistance to local health departments, clinicians, veterinarians, and vector control districts on methods for preventing infections, and messaging.

Surge Response (sub-program Emergency Preparedness and Response)

- 1) Epidemiology expertise to prevent all hazards, including communicable disease threats.
- 2) Use data systems to identify and control emergent hazards: % **urgent care reporting to ESSENCE**
- 3) Provide guidelines for response: % **health systems signed on to crisis standards of care**
- 4) Provide risk communications: health equity measure of **hazards toolkits translated**

Modernization and ACDP

