

Public Health Surveillance Health Assessment Chronic Pain Study

A Presentation to the Legislative Health and Human Services
Committee by the New Mexico Department of Health

October 20, 2015



Outline

- Public Health Surveillance
 - Surveillance 101
 - Key Public Health Surveillance Datasets
- Health Assessment
 - Assessment Role of Government
 - Indicators of New Mexico Health Status
- Pain Study



Public Health Surveillance

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Surveillance Definition

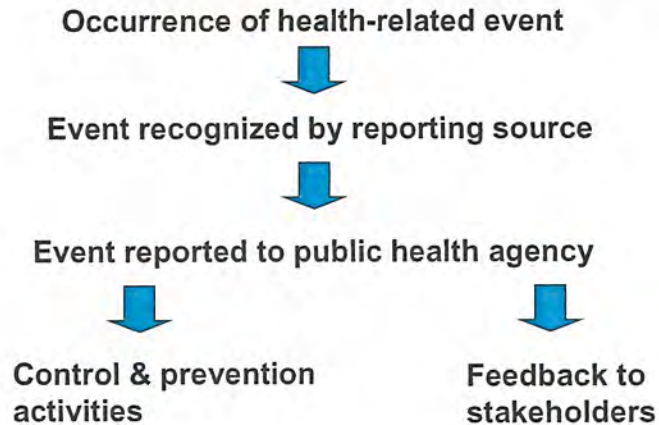
Ongoing & systematic collection, analysis & interpretation of data,
and dissemination

for.....

planning, implementation, and evaluation of public health practice.



Simplified Steps in a Surveillance System



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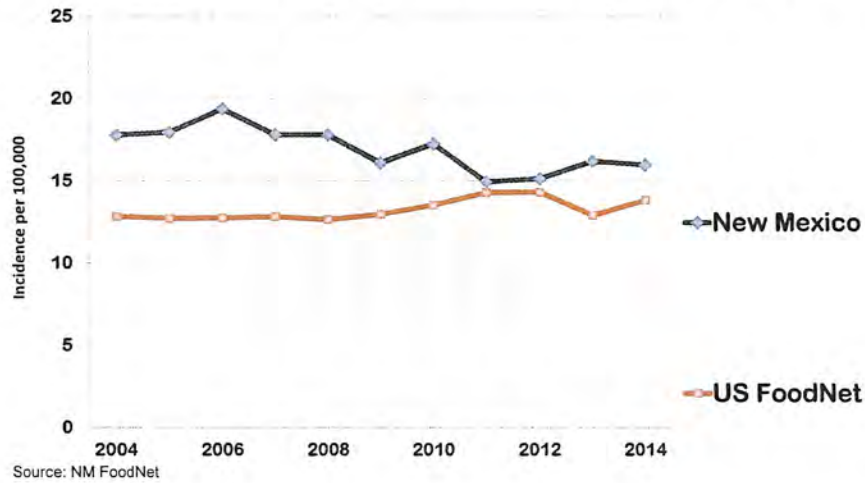
Uses of Infectious Disease Surveillance

- Estimate magnitude of the problem
- Determine geographic distribution of illness
- Portray the natural history of a disease
- Detect epidemics/define a problem
- Generate hypotheses, stimulate research
- Evaluate control measures
- Monitor changes in infectious agents
- Detect changes in health practices
- Facilitate planning

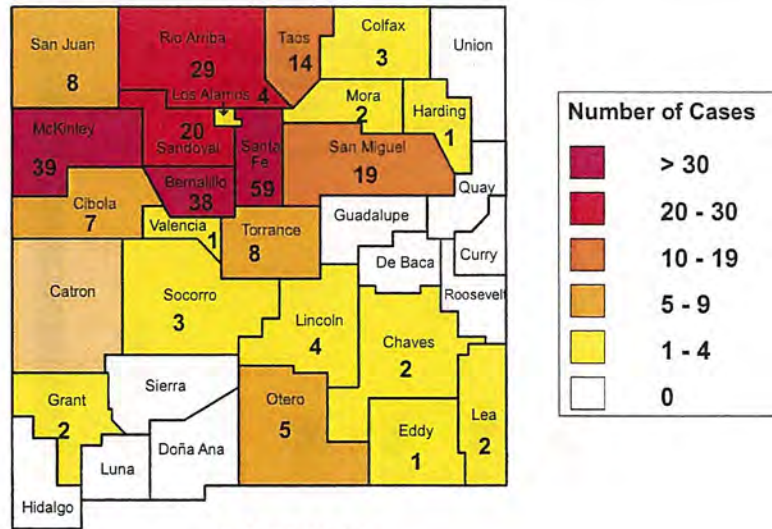


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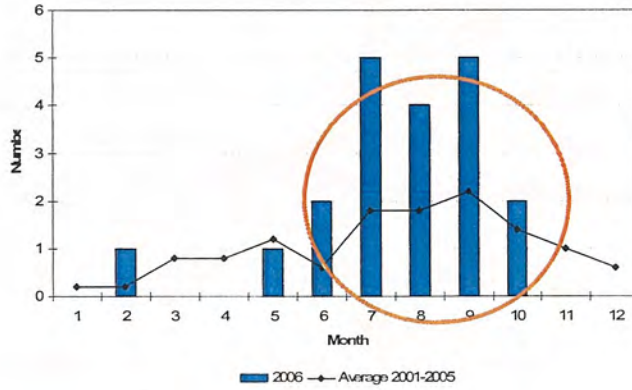
Campylobacteriosis Rates by Year, New Mexico and US FoodNet, 2004-2014



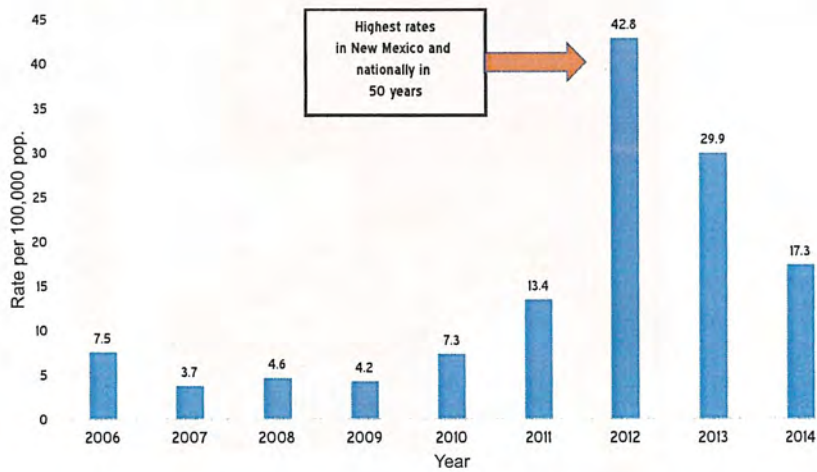
Human Plague in New Mexico, Cases by County, 1949-2014



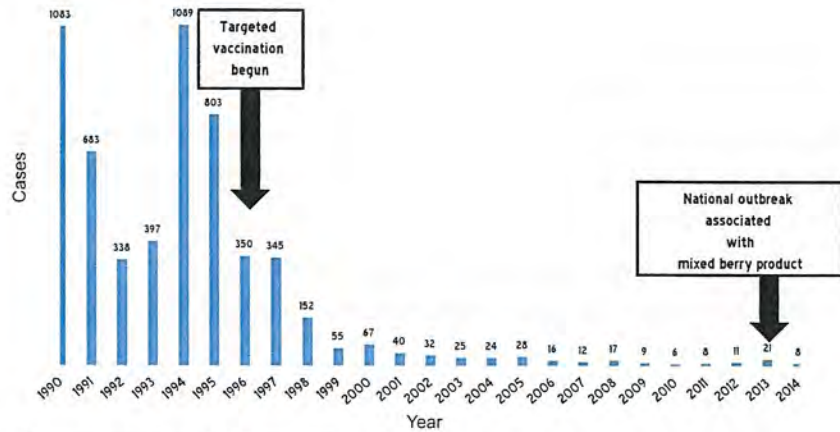
E. coli O157 Outbreak Associated with Baby Spinach, New Mexico, 2006



Pertussis Rates by Year, New Mexico, 2006-2014



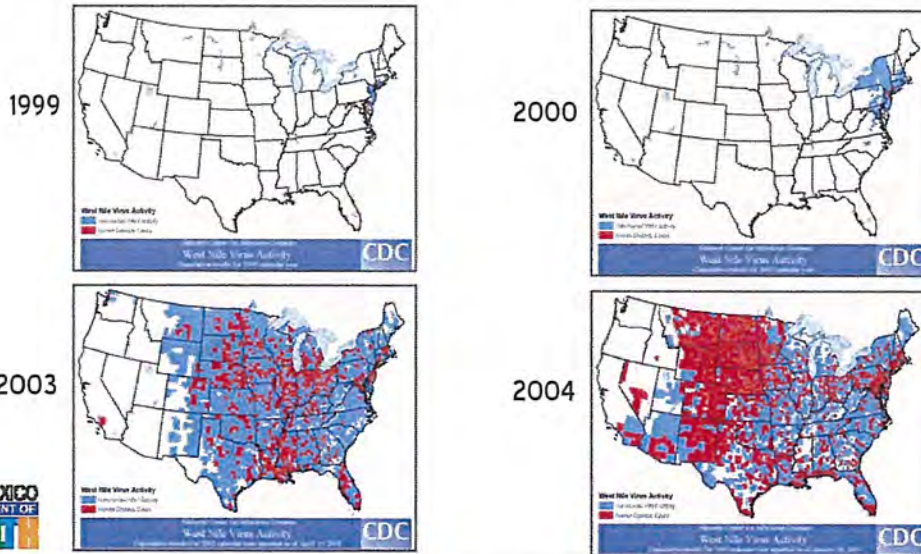
Hepatitis A Cases by Year, New Mexico, 1990-2014



Source: NETSS and NMEDSS



U.S. West Nile Virus Cases by Year, 1999-2004



New Mexico Emerging Infections Program (NM EIP)

- Centers for Disease Control and Prevention funded
- New Mexico participation since 2004
- National network of 10 sites performing active, population-based surveillance for multiple conditions including foodborne illness, influenza, pneumococcal disease, *C.difficile*, to name a few
- Program results inform national public health policy
 - Pneumococcal vaccine; Group B Streptococcal screening during pregnancy



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New Mexico Healthcare-associated Infections Program (NM HAI)

- Infections acquired during treatment for other conditions
- NM HAI Program began in 2009
- Identify and reduce prevalence in New Mexico
- NM HAI Advisory Committee
- NM HAI Reporting Group Facilities
- Standardized reporting to National Healthcare Safety Network (NHSN)



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Ebola Virus Disease (EVD) Preparedness in New Mexico

- To date, completed 21 day contact monitoring on over 70 returned travelers
- Designated Ebola assessment hospitals
- Trained 2 EMS companies to transport Ebola suspect patients
- Ongoing EVD competency training for health care workers, clinical laboratories, EMS personnel and other partners



ENVIRONMENTAL PUBLIC HEALTH SURVEILLANCE

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