

Acute Disease Epidemiology

Phone: 1-800-362-2736
<http://idph.iowa.gov/CADE>

Protecting & Improving
 the Health of Iowans



During the summer of 2015, mumps cases began to be reported in one of Iowa's largest university campuses. By the end of 2016, over 1100 cases of mumps were reported. A majority of cases occurred in college aged students but illness also spread to people of all ages in communities across the state. Mumps cases continue to be reported in 2017.

The Center for Acute Disease Epidemiology (CADE) works to keep Iowans healthy by studying the causes, determining the risks, and controlling the spread of diseases. By continually monitoring, tracking, and testing for diseases, CADE works to prevent future disease outbreaks.

Did you know? The majority of food-borne illness originates from food eaten and prepared at home.

Why is CADE important to protecting and improving the health of Iowans?

- All Iowans are affected by disease. CADE receives more than 20 disease reports daily that must be investigated.
- Epidemiology (the study of disease) helps track illness to determine when there is a widespread threat to your health.
- Disease is spread in many ways. With the help of county health agencies and providers, CADE investigated and/or referred 7,099 cases of infectious disease (chart 1) and 109 outbreaks (chart 2) in 2016.

Which Iowa Public Health Goals are we working to achieve?

Prevent epidemics & the spread of disease

Prepare for, respond to, & recover from emergencies

Promote healthy behaviors

Chart 1. Number of disease events reported to CADE for follow-up by year

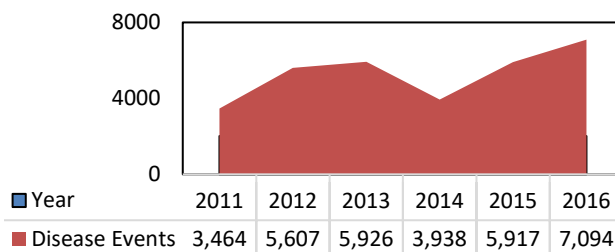
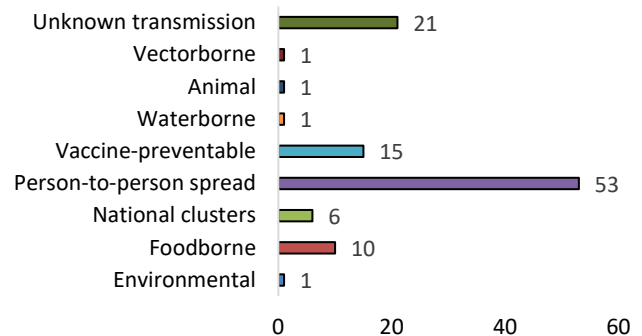


Chart 2. Number of outbreaks by type in 2016



What do we do?

- Monitor and control infectious diseases.
- Plan and prepare for public health emergencies through training exercises.
- Epidemiologists work with counties to fight diseases and outbreaks.
- Develop and use ways to prevent and control diseases.
- Provide advice, equipment, and assistance to health care providers.

How do we measure our progress?

1 Percent of outbreak investigations in which the local public health agency found CADE support and guidance in disease investigation was helpful.

Data Source: CADE staff logs, Survey Monkey

How are we doing? CADE and our local public health partners investigated 103 outbreaks in 2016. Surveys to local public health agencies found that 100% of local agencies agreed (A)/strongly agreed (SA) with the following:

- communication with IDPH worked well during the investigation (76% SA; 23% A)
- conference calls with response partners worked well during the investigation (61% SA, 28% A)
- disease investigation consultation and guidance from IDPH was helpful (70% SA, 25% A), and
- IDPH responded appropriately to requests for assistance with public information related issues (60% SA, 27% A).

2 Percent of disease reports that are sent out for follow-up by local public health within 48 hours of receiving them.

Data Source: Iowa Disease Surveillance System

How are we doing? CADE uses the Iowa Disease Surveillance System (IDSS) to refer disease reports to local public health agencies for follow up investigation. Nearly 100% of diseases reported are instantly referred to the appropriate local agency. In the interest of timely investigations, IDSS will send a reminder to local agencies at 3 days and 10 days if a case has had no activity. IDPH field epidemiologists monitor these referrals.

What can Iowans do to help?

1. All Iowans can help stay well and prevent the spread of illness with good health habits: eat healthy foods, exercise, keep your vaccinations up-to-date, and remember to wash your hands!
2. Public health officials and health care providers should be aware of infectious diseases and remember the importance of reporting those diseases to IDPH by phone at 1-800-362-2736 or fax at 515-281-5698.
3. All Iowans can learn about diseases and the way diseases are spread by getting information and advice from trustworthy sources <http://idph.iowa.gov/CADE>.
4. All Iowans can report suspected foodborne illness to: **844-IowaSic (844-469-2742)**.

Expenditures

General fund, federal funds, & private grants*: K15-1501; 0153-1506/1514/1516/1518/1606.

	State Fiscal Year 2015 Actual	State Fiscal Year 2016 Actual	State Fiscal Year 2017 Estimate
State funds	\$411,845	\$414,242	\$414,870
Federal funds	\$2,047,450	\$2,613,037	\$4,203,962
Other funds*	\$165,376	\$146,915	\$0
Total funds	\$2,624,670	\$3,174,194	\$4,618,832
FTEs	11.19	14.50	15.75

Note: Funding information is intended to provide an overview of funding related to the program area. It does not include all federal and state requirements and/or restrictions for the use of funds. Contact the program area for more detailed budget information.