

# Acute Disease Epidemiology

Promoting & Protecting the Health of Iowans

Division of Acute Disease Prevention & Emergency Response

Phone: 1-800-362-2736

[www.idph.state.ia.us/Cade/Default.aspx](http://www.idph.state.ia.us/Cade/Default.aspx)



It began with a few cases in eastern Iowa. Cases that had spent time in both the Mississippi River and county swimming pools. Within a matter of weeks, there were hundreds of cases of the parasitic disease, cryptosporidiosis. Resistant to chlorine, crypto thrives in water environments. Those who ingest the parasite experience profuse diarrhea, stomach cramps, and low-grade fevers. The crypto outbreak of 2007 was the largest in Iowa history with nearly 1,000 cases reported to the Center for Acute Disease Epidemiology (CADE).

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 promoting and protecting the health of Iowans?

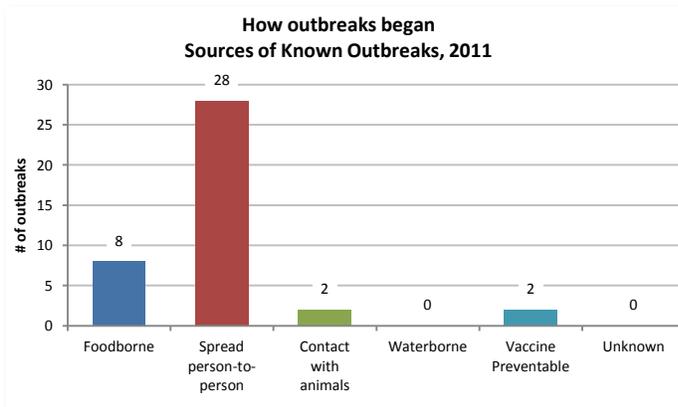
- All Iowans are affected by disease. CADE receives an average of 20 disease reports daily (about 5,000 per year) that must be investigated.
- Epidemiology (the study of disease) helps track illness to determine when there is a widespread threat to your health.
- Disease is spread in many ways. With the help of county health agencies and providers, CADE investigated and/or referred nearly 4,000 cases of infectious disease.

## Which Iowa Public Health Goals are we working to achieve?

Prevent epidemics & the spread of disease

Prepare for, respond to, & recover from public health emergencies

Promote healthy behaviors

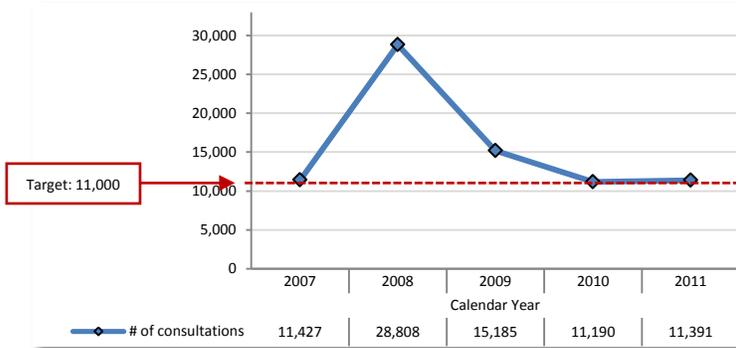


## What do we do?

- 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?

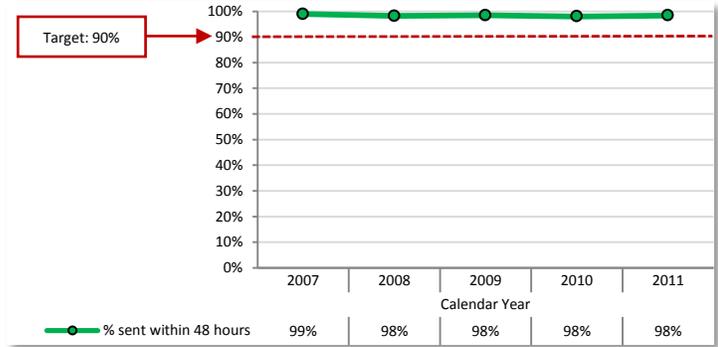
- ① Number of infectious disease consultations provided to clinicians, local public health officials, hospital infection control staff, and the public.



Data Source: CADE staff logs, email accounts. Data are available annually.

**How are we doing?** CADE continues to provide thousands of consultations each year.

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



Data Source: CADE disease report processing system. Data are available annually.

**How are we doing?** CADE refers disease reports to local public health agencies for follow up investigation. In addition, and as a reminder for investigations that remain open, CADE sends an “outstanding reports” notification to counties on a routine basis. This is one indication that local public health agencies are more aware of the importance of complete and timely disease investigation and reporting.

## 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 [www.idph.state.ia.us/Cade/Default.aspx](http://www.idph.state.ia.us/Cade/Default.aspx)

## Expenditures

General fund, federal funds, & private grants\*: K15-1501; 0153-1506/1510/1514/1516/1606/AR20.

	State Fiscal Year 2011 Actual	State Fiscal Year 2012 Actual	State Fiscal Year 2013 Estimate
State funds	\$447,776	\$418,389	\$414,870
Federal funds	\$1,804,366	\$2,489,405	\$2,559,736
Other funds*	\$259,086	\$165,528	\$294,145
<b>Total funds</b>	<b>\$2,511,228</b>	<b>\$3,073,322</b>	<b>\$3,268,751</b>
FTEs	12.07	10.29	12.10

**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.