

**Case Investigation Instructions for FoodNet Counties
(Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson)**

FoodNet pathogens:

<i>Campylobacter</i>	<i>Listeria monocytogenes</i>	<i>Shigella</i>
<i>Cryptosporidium</i>	<i>Salmonella / Typhoid fever</i>	<i>Vibrio</i>
<i>Cyclospora</i>	STEC (O157 and non-O157) <i>Yersinia, non-pestis</i>	

FoodNet case definition:

- Detection of one of the pathogens listed above from **any** specimen site, including stool, urine, blood, CSF and other sites, in a resident of the FoodNet catchment area (Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, or Jefferson counties).
- A person does not need to have had symptoms to be considered a case for FoodNet.
- Data should be collected from *all* confirmed, probable and suspect cases reported in CEDRS for the diagnoses listed above. FoodNet is actively collecting data on cases that are not culture-confirmed as a way to better understand the impact of culture-independent diagnostic tests on surveillance data.

Forms:

Below is a guide to forms and FoodNet case investigations. Please use the form in the CD manual (<https://www.colorado.gov/pacific/cdphe/communicable-disease-manual>) for the relevant disease.

Pathogen	Case status:		
	Confirmed	Probable	Suspect
<i>Campylobacter</i>	Yes, CEA version	Yes, CEA version	--
<i>Salmonella</i>	Yes, CEA version	Yes, CEA version	Yes, CEA version
<i>Cryptosporidium</i>	Yes	Yes	Yes
<i>Shigella</i>	Yes	Yes	Yes
STEC (O157 and non-O157)	Yes	Yes	Yes
<i>Typhoid fever</i>	Yes, send to CDPHE	Yes, send to CDPHE	Yes, send to CDPHE
<i>Vibrio</i>	Yes, send to CDPHE	Yes, send to CDPHE	Yes, send to CDPHE
<i>Listeria monocytogenes</i>	CDPHE will interview	CDPHE will interview	CDPHE will interview
<i>Cyclospora</i>	Yes, send to CDPHE	Yes, send to CDPHE	Yes, send to CDPHE
<i>Yersinia, non-pestis</i>	No form, collect only FN questions	No form, collect only FN questions	No form, collect only FN questions

For routine case investigation forms, please fax to (303) 782-0338. For questions, please contact Elisha Wilson at elisha.wilson@state.co.us or (303) 692-2776.

Interviews:

Interviews should be attempted for all FoodNet cases. If the patient cannot be interviewed, please contact the patient’s medical provider office to collect as much information as possible. At a minimum, collect information about demographics, symptoms, hospitalization, outcome, and international travel for all cases.

Determining the exposure period can be difficult for cases who do not have an acute onset of gastrointestinal symptoms. It’s important to do a complete assessment for GI illness, even when the specimen was blood, a wound or urine to determine if any GI symptoms were present, even if mild. Use the table below to determine the date used to calculate the exposure period:

Guidance for determining exposure period for enteric disease case interviews

<i>If case.....</i>	<i>...then use the following date to determine exposure period:</i>
Reports diarrhea or vomiting	Onset date of diarrhea/vomiting
Does NOT report GI illness but had onset of other symptoms	Onset date of other symptoms
Reports NO onset of any symptom	Specimen collection date

The first exposure question on the CDPHE interview form is about international travel. If a case reports international travel for even one day during the exposure period, it is fine to complete the international travel questions and conclude the interview. No other exposure information needs to be collected.

Data Entry into CEDRS:

Questions marked with an * on the case investigation form are required for data entry into CEDRS. Below is a list of the core fields required for FoodNet:

Demographics/profile

- Date of birth (or age)
- Sex
- Race
- Ethnicity

Case Investigation

- Was the case interviewed/contact attempted?
- Case report/investigation complete?
- Case report/investigation completed date

Outbreak

- Outbreak (yes/no/unknown): *After interviewing the patient, do you think that the case is part of an outbreak (can be foodborne, waterborne, animal contact, etc)?*
 If yes: Outbreak name: *Enter the CDPHE outbreak ID code here, if known*
 NORS number: *CDPHE will enter the NORS number into CEDRS. All outbreaks with FoodNet pathogens should be reported to CDPHE on a NORS form.*
 Outbreak type: *Select appropriate category (foodborne, waterborne, etc.)*

Labs: *Please verify during patient interview.*

- Specimen source (stool, blood, urine, etc)
- Specimen collection date
- CDPHE will complete other lab fields (state lab ID number, serotype, PFGE, etc.)

Clinical Description

- Onset date: *the date of first symptoms associated with this infection.*
- Symptoms: diarrhea/bloody diarrhea/fever: *Please enter for all pathogens; required for Campylobacter and STEC cases*

Outcome/Hospitalization

- Outcome (survived/died/unknown): *If outpatient, indicate the patient's status 7 days after specimen collection date. If hospitalized, follow-up until patient discharge or death. If hospitalization is <7 days, record outcome at time of hospital discharge or death.*
- Was patient hospitalized?: *Outpatients who are hospitalized within 7 days of specimen collection, should be recorded as "Yes." ER visits are NOT hospitalizations. If hospitalized a second time, please enter info for second hospitalization too.*
 - If patient hospitalized:
 - Hospital name
 - Date of admission and date of discharge

Contact Management

- Did patient have contact with any individual who had a diarrheal illness (before case's onset)?

Travel

- Did patient travel outside the US in the 7 days prior to onset? (30 days for Listeria and typhoid; 15 days for Cryptosporidium and Cyclospora). *Use the table above to determine the date used to calculate the exposure period. If a case reports international travel for even one day during the exposure period, it is fine to complete the international travel questions and conclude the interview. No other food or exposure information needs to be collected.*
 - If yes:
 - Date of departure from US
 - Date of return to US
 - Country visited
 - Adoption/immigration box: *If patient immigrated or was adopted, there will be no date of departure. Check this box to indicate this.*

Water, Pet or animal exposures, and Food history - Case exposure ascertainment (CEA) questions

- Campylobacter and Salmonella: there are several CEA fields that are required for FoodNet. Questions marked with an * on the case investigation forms are required for data entry into CEDRS.