Winter 2017

EPI NEWS

PUBLIC HEALTH SERVICES DISTRICT
COCONINO COUNTY

News on Infectious Disease Affecting Coconino County

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Water Contamination in the News

A water sample tested positive for E. coli and total coliform in a water system east of Flagstaff during a routine monthly test. Upon receiving notification from the Arizona Department of Environmental Quality (ADEQ), Coconino County Public Health Services District (CCPHSD) provided residents in the affected area with instructions to avoid drinking the water unless it had been properly boiled.

The water company addressed the issue by flushing the system and chlorinating the water. When samples tested negative for both E. coli and total coliform the next day, the boil water order was lifted.

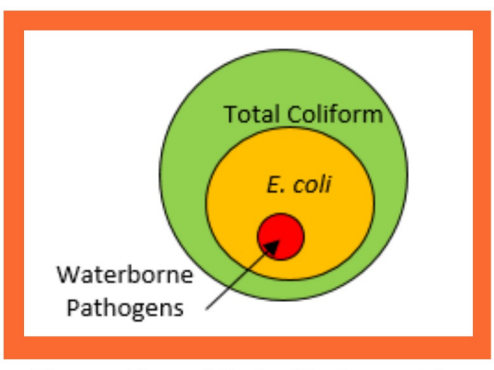

Diagram: Vermont Dept. of Environmental Conservation

Provider Response

What providers can do:
1. Collect stool for a laboratory test.
2. Call the CCPHSD at 928.679.7222

The cause of the contamination is not known, and is still under investigation. CCPHSD monitored the disease surveillance systems for reportable gastro-intestinal diseases (e.g., giardia, E coli) to identify a possible link to the contaminated water. To date, CCPHSD has not identified any reportable illnesses linked to drinking the water in that area.

In order to link an illness to a specific source, a provider must obtain and test a stool specimen to identify the causative agent of the illness. CCPHSD assists with testing by coordinating a laboratory test at the Arizona Public Health Laboratory. There is no cost to the provider.

Zika Virus Update

ARIZONA

As of December, 16, 2016, there have been 54 confirmed cases of Zika virus among Arizona residents. All cases live in counties other than Coconino. All cases were travelers to Zika-affected areas outside of Arizona.

TEXAS

On November 28th, 2016 health officials announced the first case of Zika virus disease likely transmitted by a mosquito in Texas. The case was a non-pregnant resident who had not traveled to a Zika-affected area.

Four additional locally acquired cases of Zika were reported on Decmeber 9, 2016 in people living in proximity to the first case.

FLORIDA

CDC removed the designation of active Zika transmission in Miami-Dade County as no new cases of local Zika virus transmission were identified. However, new guidance states pregnant women should consider postponing travel to all parts of Miami-Dade County.

Meet the CCPHSD Intern

Jamie (left) and Reesy

Meet Jamie Lewis, CCPHSD's new Public Health Emergency Preparedness (PHEP) intern!

Jamie is writing a mosquito surveillance plan for Coconino County in response to the risk of local transmission of Zika, Dengue, and Chikungunya viruses. She is completing her MPH practicum through St. George's University in Grenada and spent her last semester doing capstone research on arboviruses carried by the Aedes aegypti mosquito and their co-circulation in the Caribbean.

Welcome, Jamie!

Communicable Disease Round-up

Selected Communicable Diseases, Coconino County Residents
Dec 1, 2014 through Nov 30, 2015
Compared to Dec 1, 2015 through Nov 30, 2016

	2015	2016
Aseptic meningitis, viral	1	1
Campylobacteriosis	46	25
Chlamydia	943	853
Coccidioidomycosis	33	44
Creutzfeldt-Jakob disease	1	0
Cryptosporidiosis	3	19
E. coli enterohemorrhagic (shiga toxin)	1	4
Giardiasis	12	8
Gonorrhea	121	127
Haemophilus influenzae, invasive disease	3	1
Hantavirus infection	0	2
Hepatitis A	0	1
Influenza virus	299	420
Kawasaki syndrome	0	0
Legionellosis	1	0
Lyme disease	0	1
Pertussis	3	0
Rocky Mountain spotted fever	0	0
RSV	208	83
Salmonellosis	19	21
Streptococcal Group A, invasive	14	13
Streptococcus pneumoniae, invasive	21	20
Syphilis	10	14
Tuberculosis	0	4
Varicella (chickenpox)	8	0
Vibrio infection	1	0

Residents of Coconino County, confirmed and probable cases, based on event date.

CCPHSD Disease Reporting
928-679-7222 (8AM – 5PM M-F)
928-679-7351 FAX
After hours urgent reports only:
928-255-8715.
Visit www.coconino.az.gov/health for more information or to view previous issues of Epi News.

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