Quarterly Trends in Ohio Disease Incidence

The current year's quarterly disease incidence is graphically presented to demonstrate general trends in surveillance data for selected Ohio reportable infectious diseases, including any statistically significant changes in the incidence observed. The trend graphs compare current disease incidence (i.e. observed cases) to baseline disease incidence (i.e. expected cases) by month. Baseline disease incidence was determined by calculating the average disease incidence over the past three years. Statistically significant changes in incidence are demonstrated by graphing 2 standard deviations above and below the average baseline disease incidence. A statistically significant difference in current disease incidence compared to baseline disease incidence suggests the difference is unlikely to have occurred by chance, and warrants further review by those performing investigations.

General surveillance trends are graphed at the state and regional levels. The Ohio counties included in the seven public health regions follow. The current year's data represents confirmed and probable cases of selected reportable diseases. In many instances, two trend lines can be seen graphed for the current year's quarterly incidence data: one for all cases, including those linked to a known outbreak, and one for cases not linked to a known outbreak. This was done for general comparison purposes only. It should be noted that not every graph will include a trend line for cases linked to a known outbreak as not all cases are outbreak-associated. For statistical reliability/stability purposes, only diseases for which 10 or more cases were reported over a given month are included in the statewide trends, while diseases for which 5 or more cases were reported in a given month are included in the regional trends.

All data for the current year are considered provisional and are subject to change upon further disease investigation. Disease data used in the calculation of the baseline (three year) average are finalized. All data are by month and year of illness onset. A case's reported county of residence was used to determine the region; if the county of residence was unknown, the county in which the health care provider, health care facility or local health department is located was used. The source of the data is the Ohio Disease Reporting System. Questions or comments regarding these graphs may be directed to the Ohio Department of Health Bureau of Infectious Diseases at (614) 995-5599.

Regions:

Central – Crawford, Delaware, Fairfield, Fayette, Franklin, Hardin, Knox, Licking, Logan, Madison, Marion, Morrow, Pickaway, Union, Wyandot

East Central – Ashland, Carroll, Columbiana, Holmes, Mahoning, Medina, Portage, Richland, Stark, Summit, Trumbull, Tuscarawas, Wayne

Northeast –Ashtabula, Cuyahoga, Geauga, Lake, Lorain

Northwest – Allen, Auglaize, Defiance, Erie, Fulton, Hancock, Henry, Huron, Lucas, Mercer, Ottawa, Paulding, Putnam, Sandusky, Seneca, Van Wert, Williams, Wood

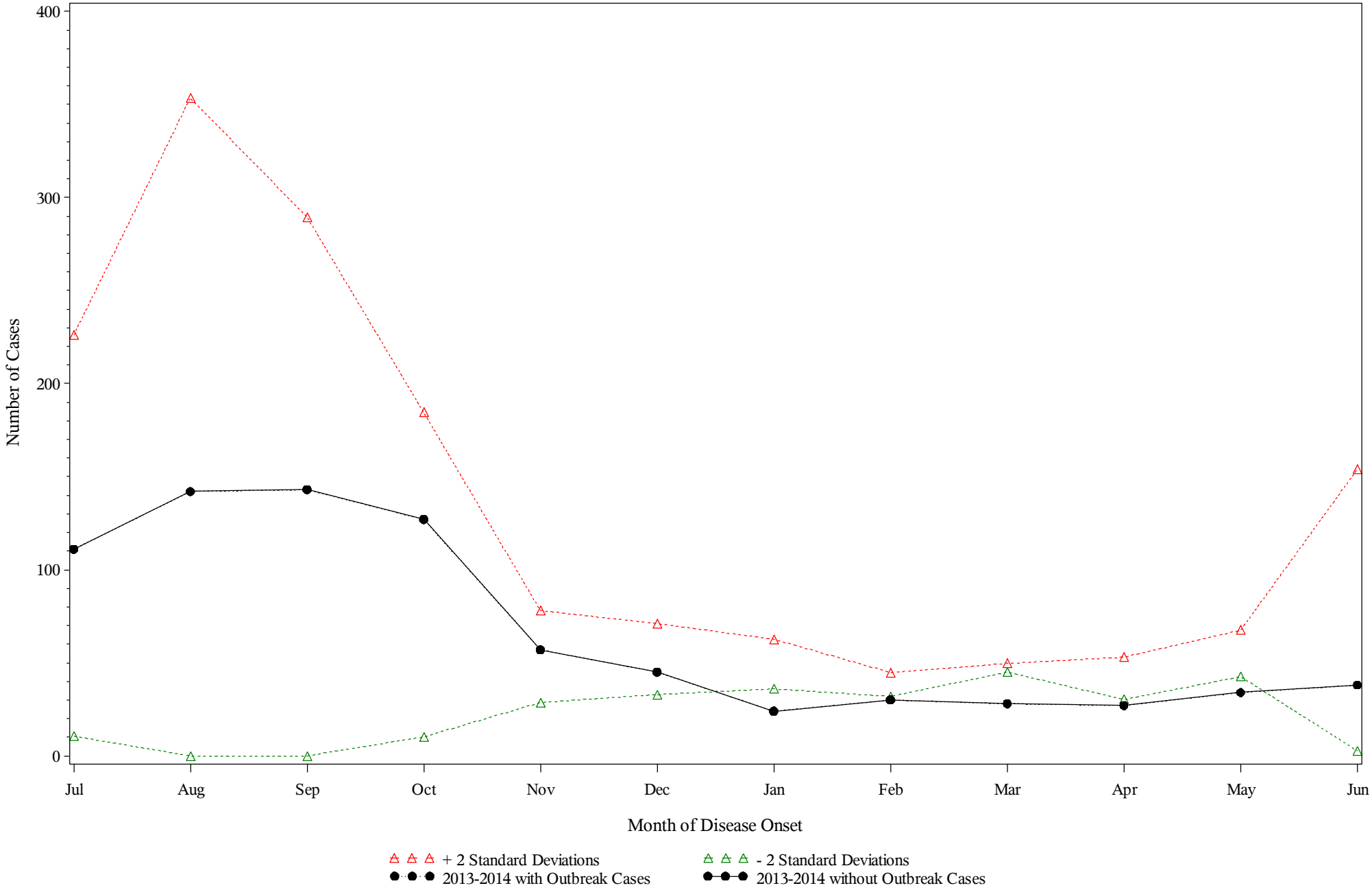
Southeast – Athens, Belmont, Coshocton, Gallia, Guernsey, Harrison, Hocking, Jackson, Jefferson, Lawrence, Meigs, Monroe, Morgan, Muskingum, Noble, Perry, Pike, Ross, Scioto, Vinton, Washington

Southwest – Adams, Brown, Butler, Clermont, Clinton, Hamilton, Highland, Warren

West Central – Champaign, Clark, Darke, Greene, Miami, Montgomery, Preble, Shelby

Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

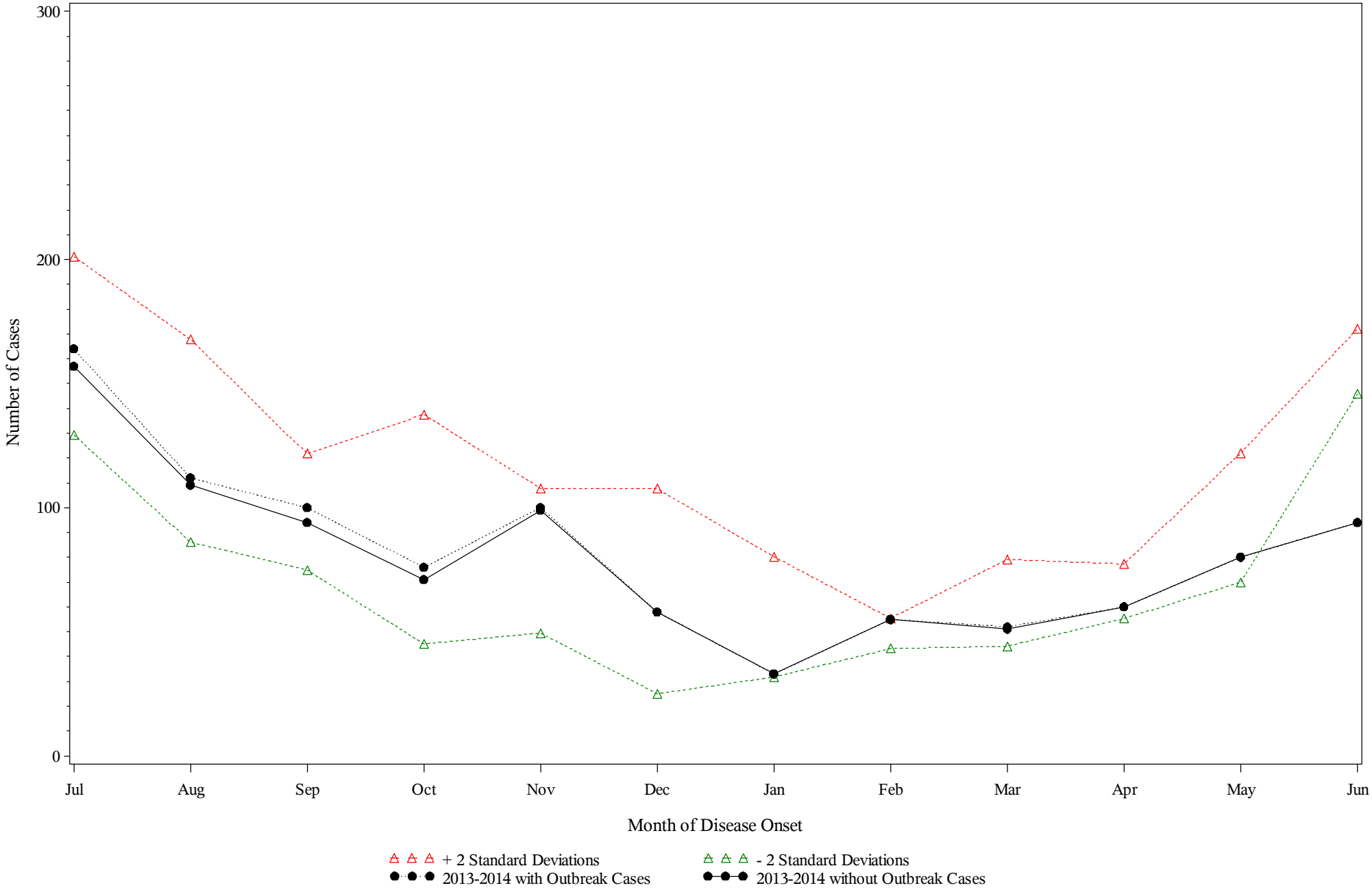
Aseptic Meningitis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Campylobacteriosis



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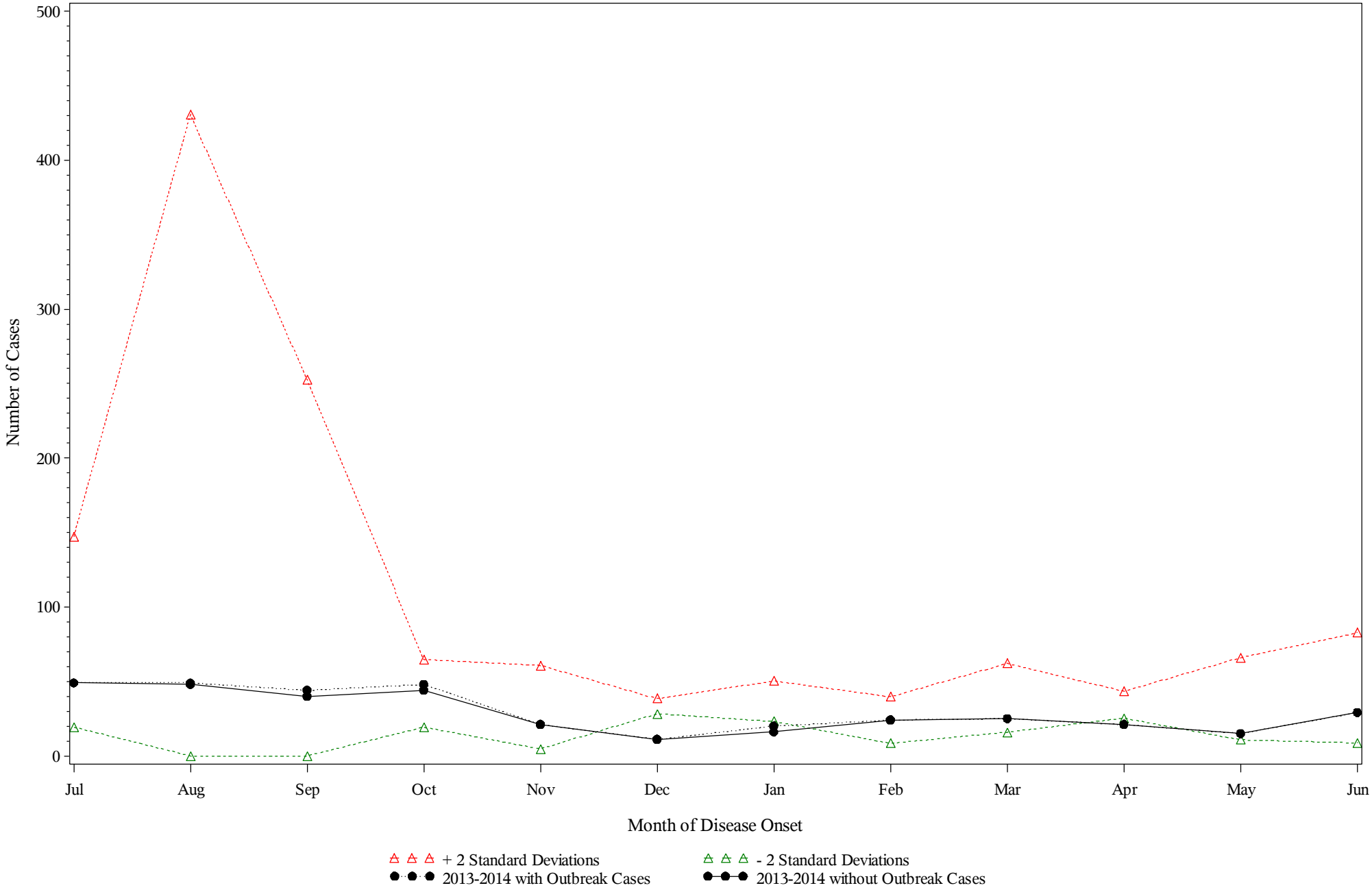
Cryptosporidiosis



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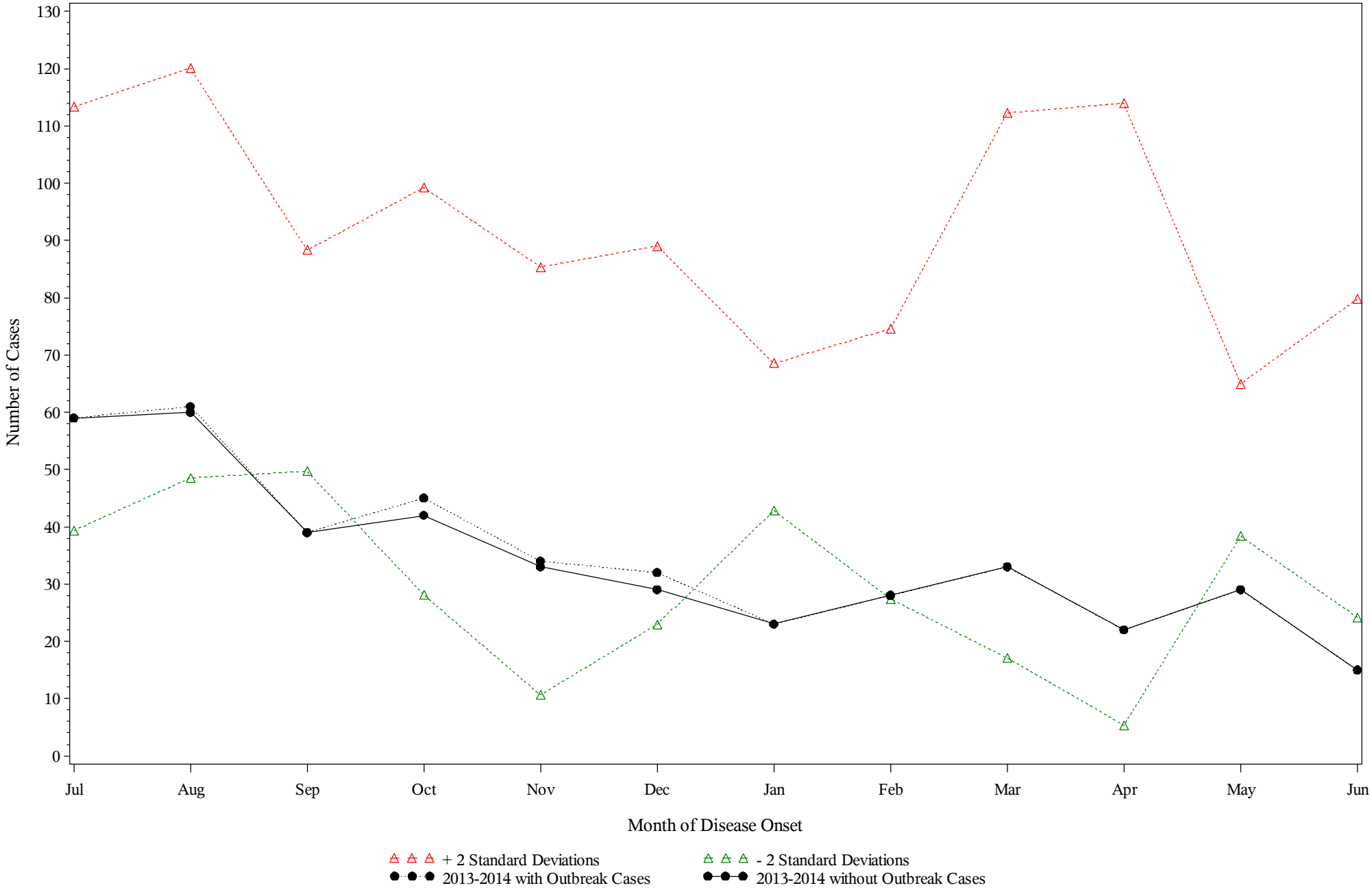
Giardiasis



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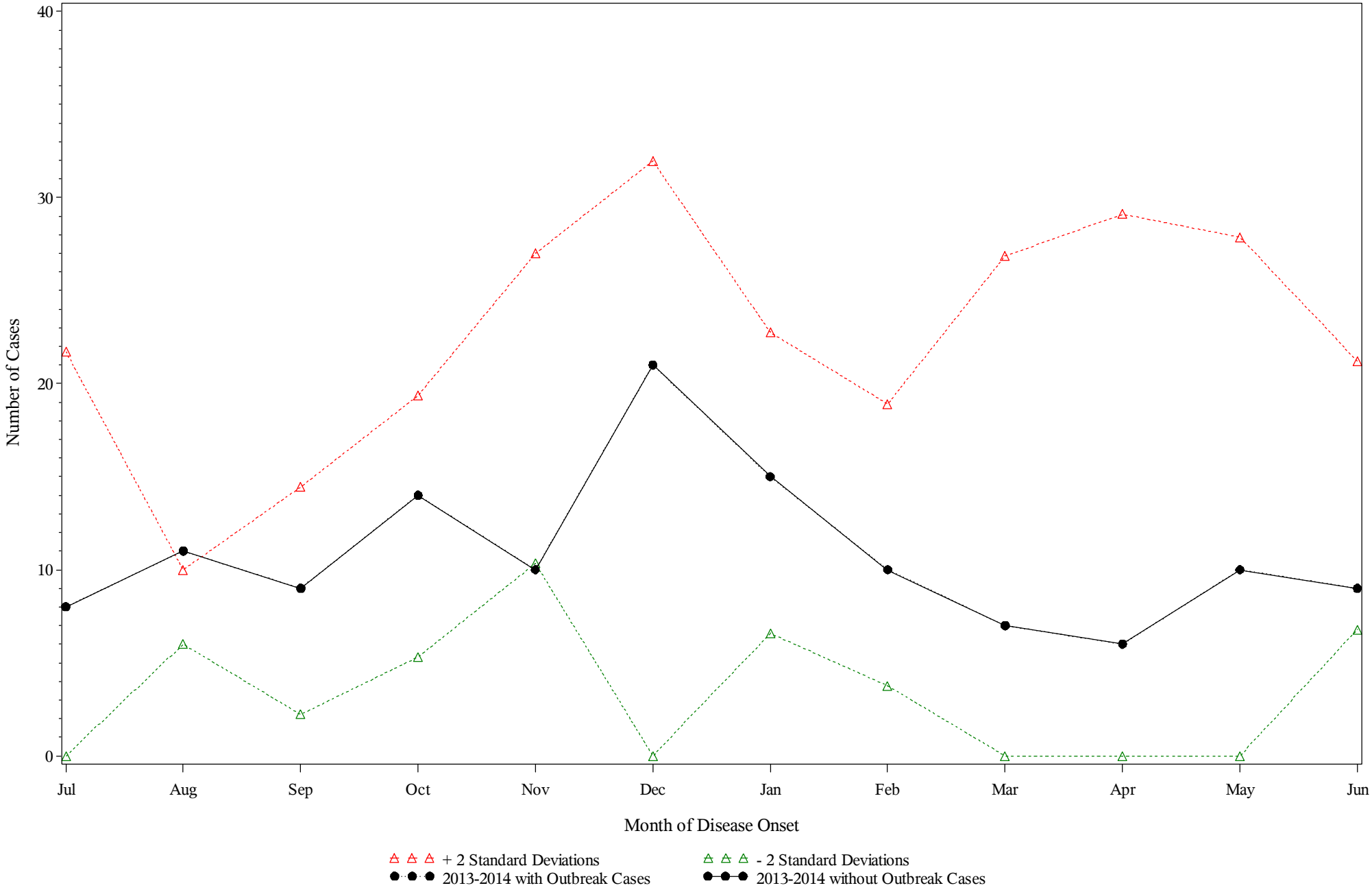
Haemophilus influenzae, Invasive



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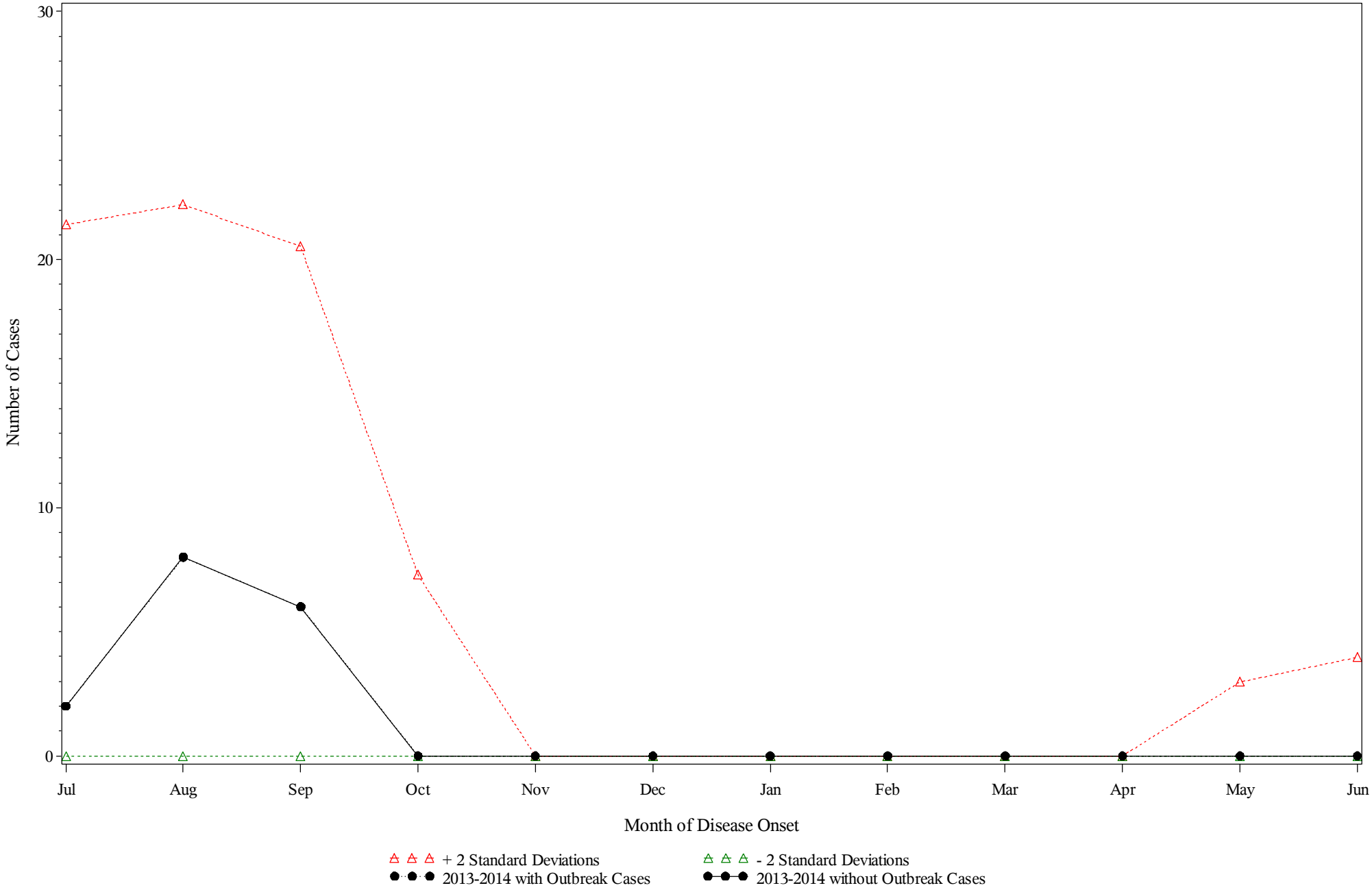
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

LaCrosse Virus Disease



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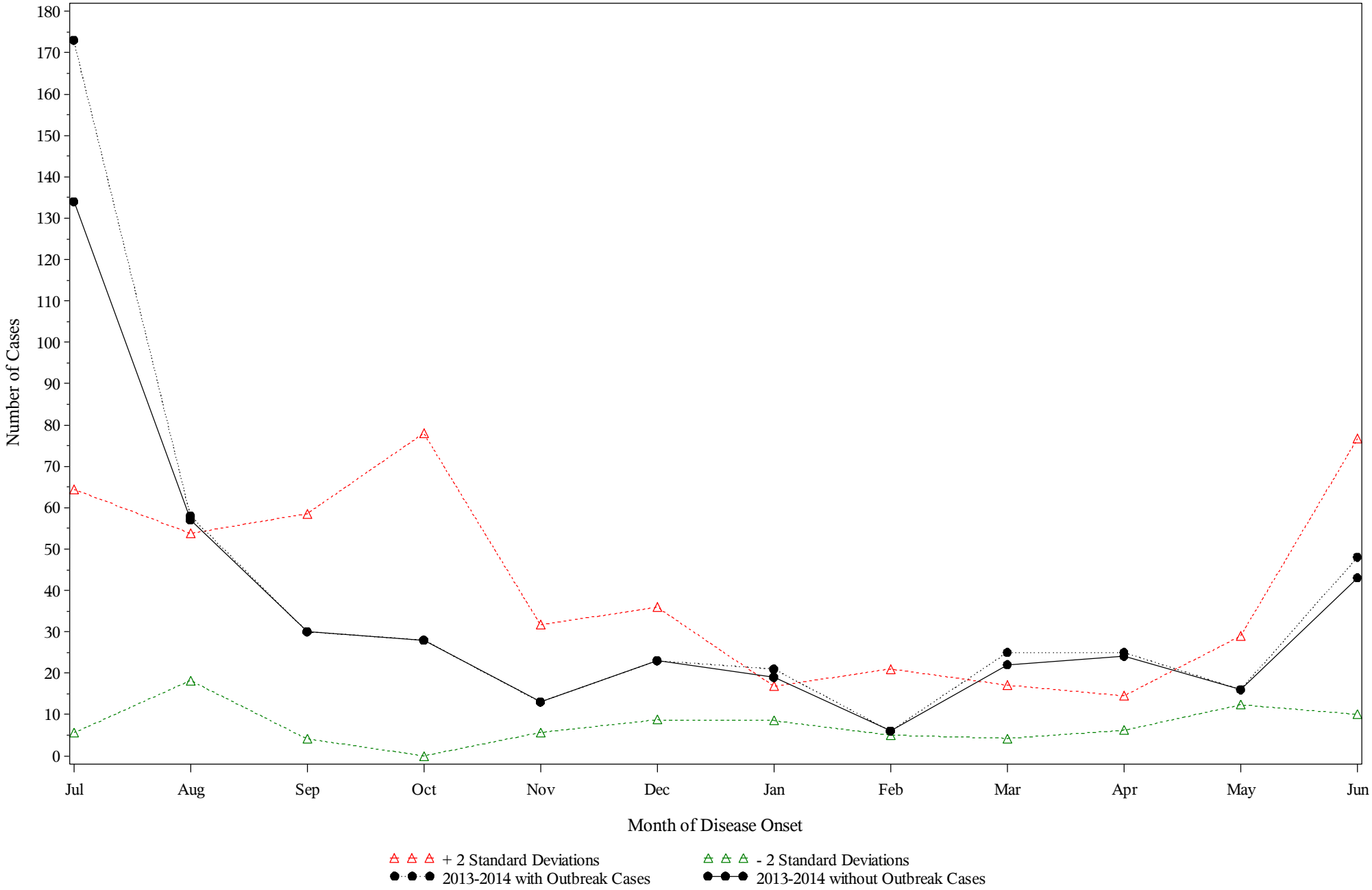
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Legionellosis



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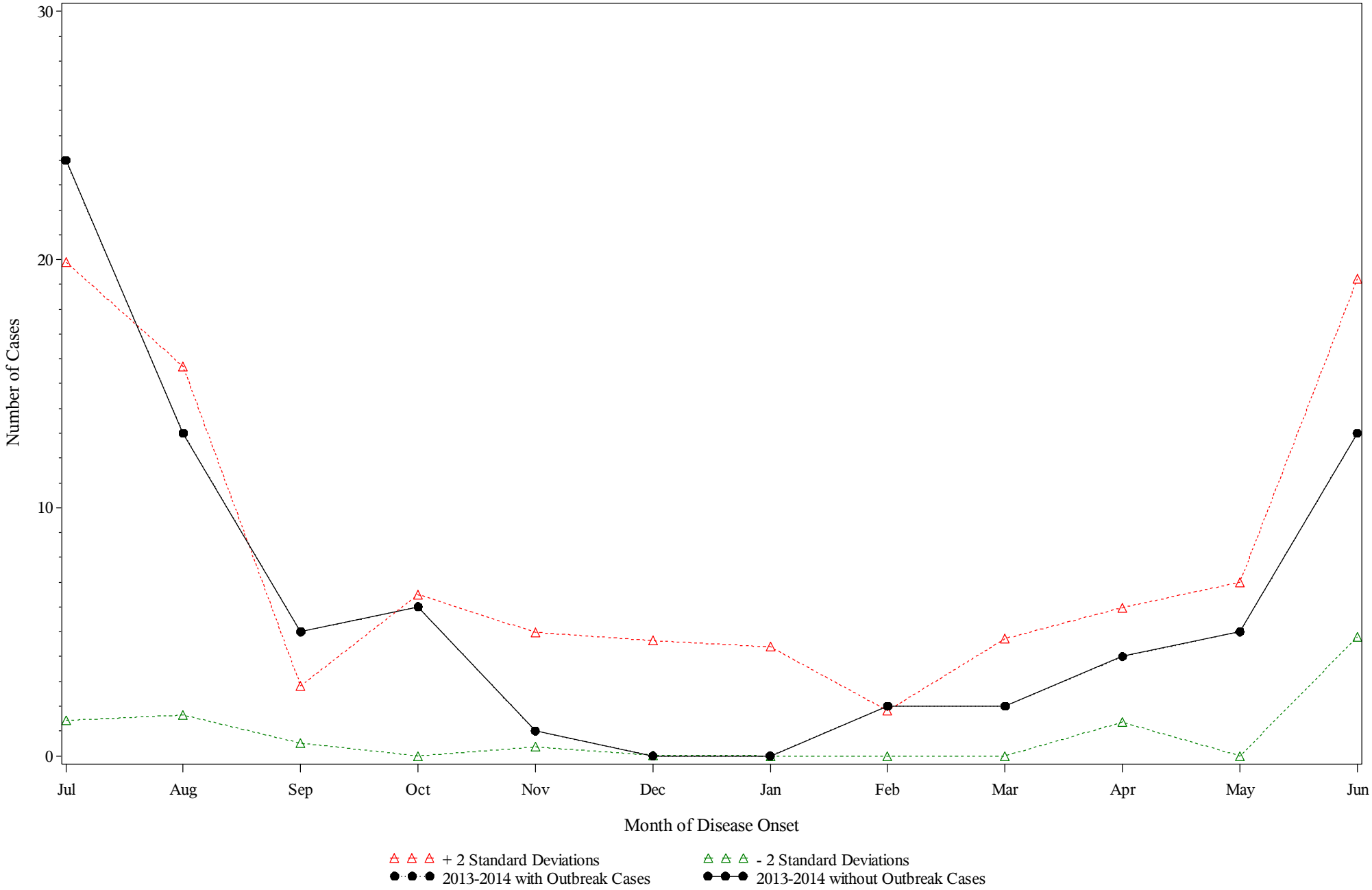
Lyme Disease



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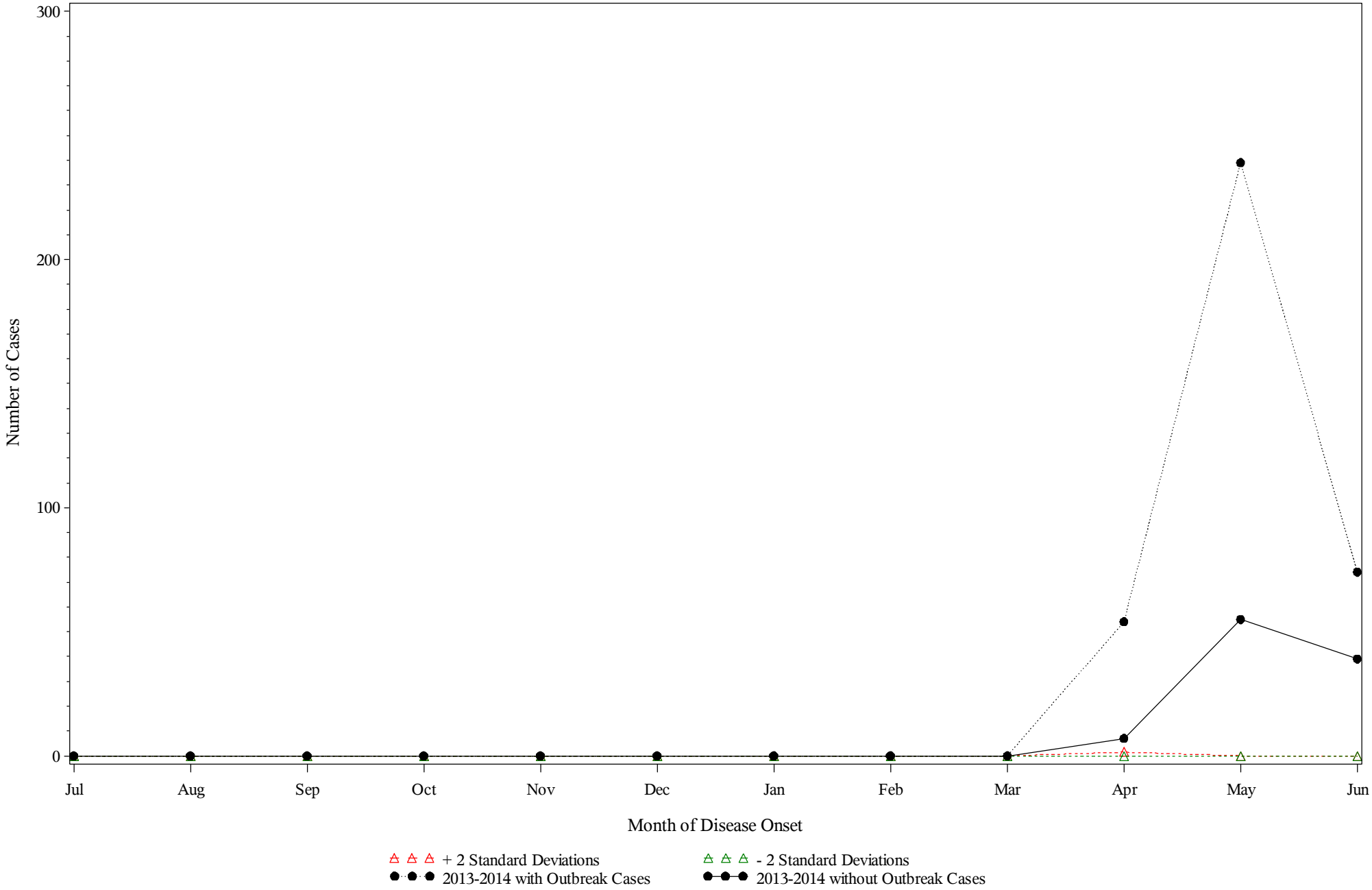
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Measles



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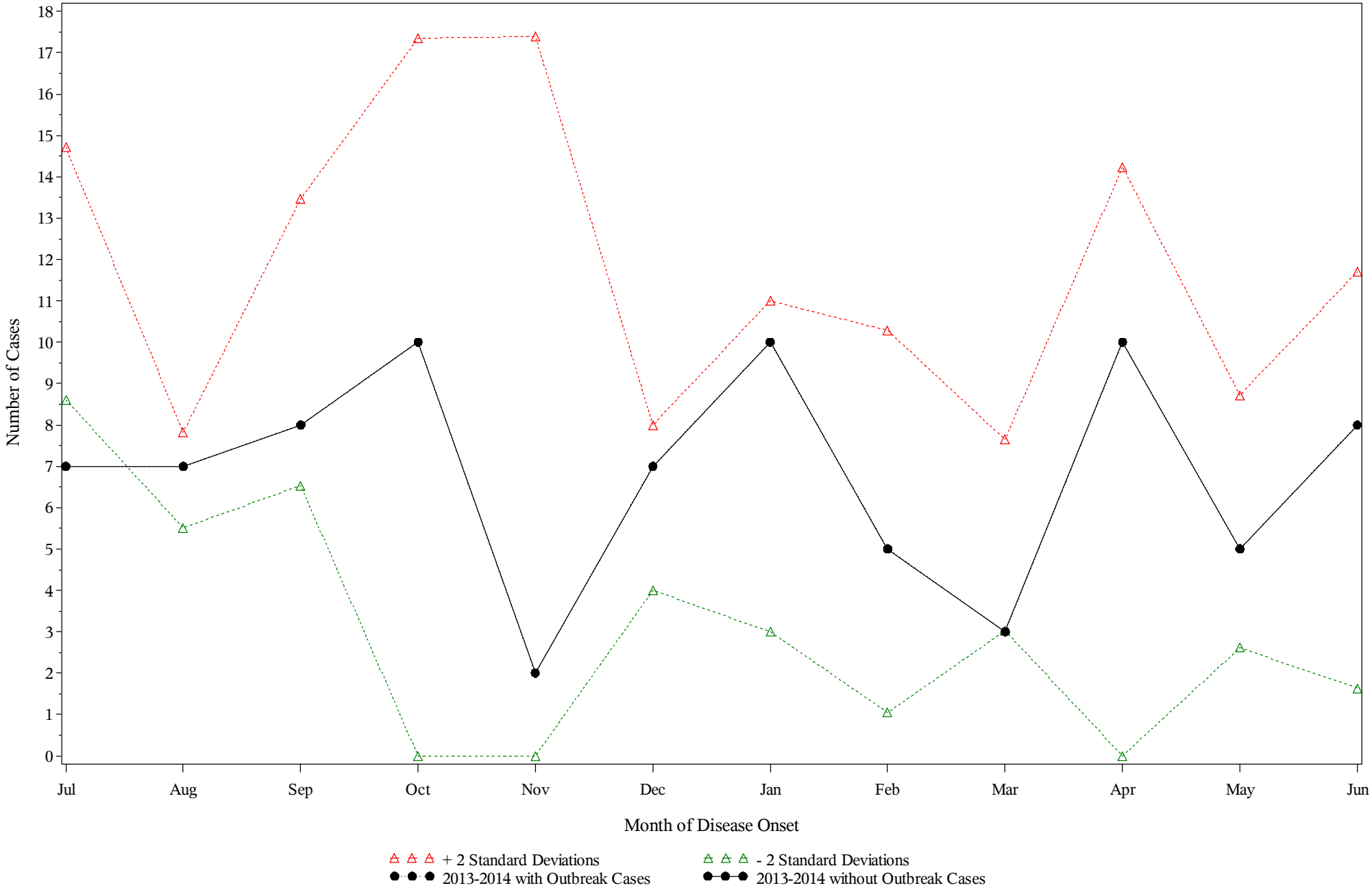
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Bacterial Meningitis



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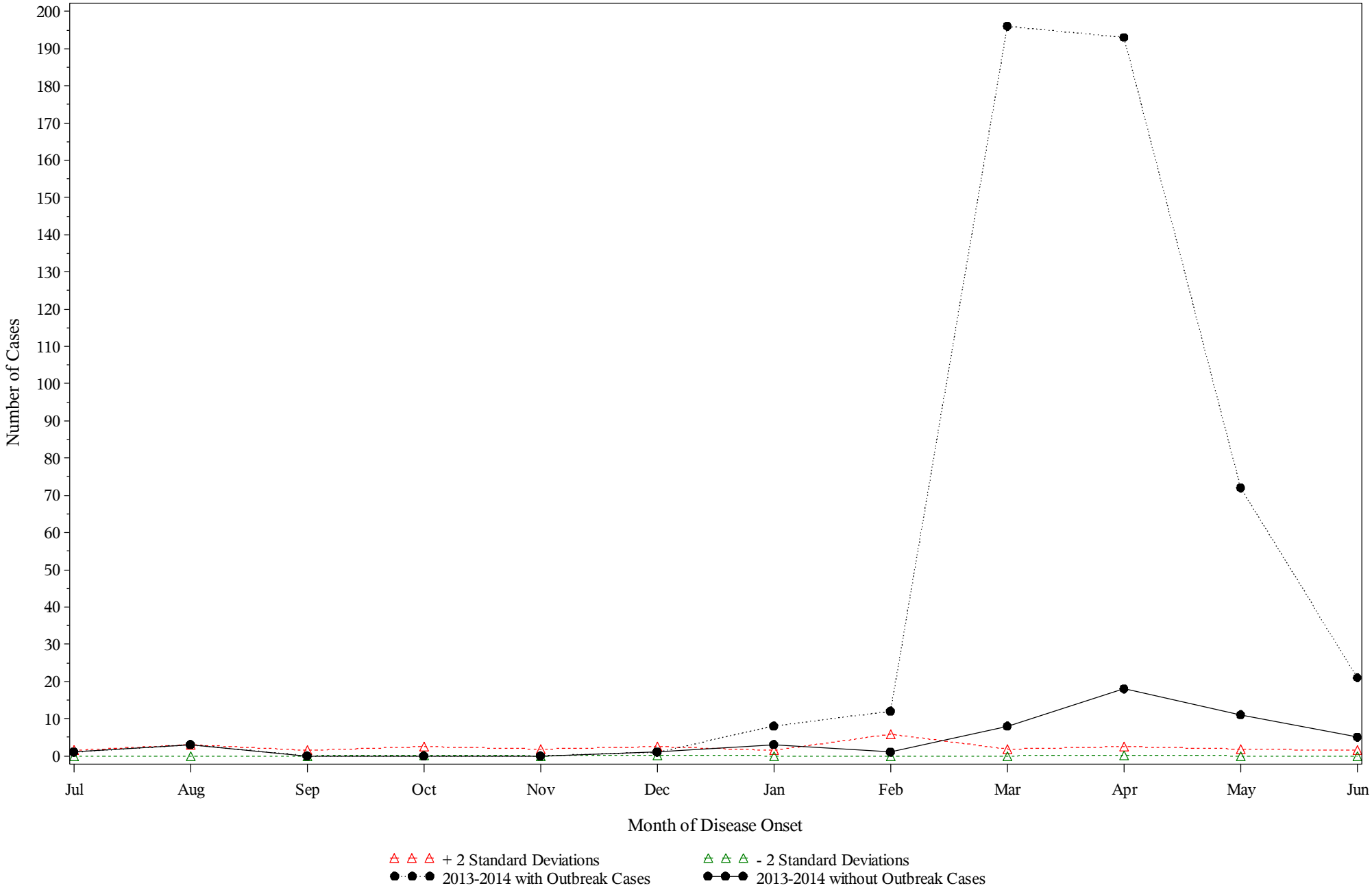
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Mumps



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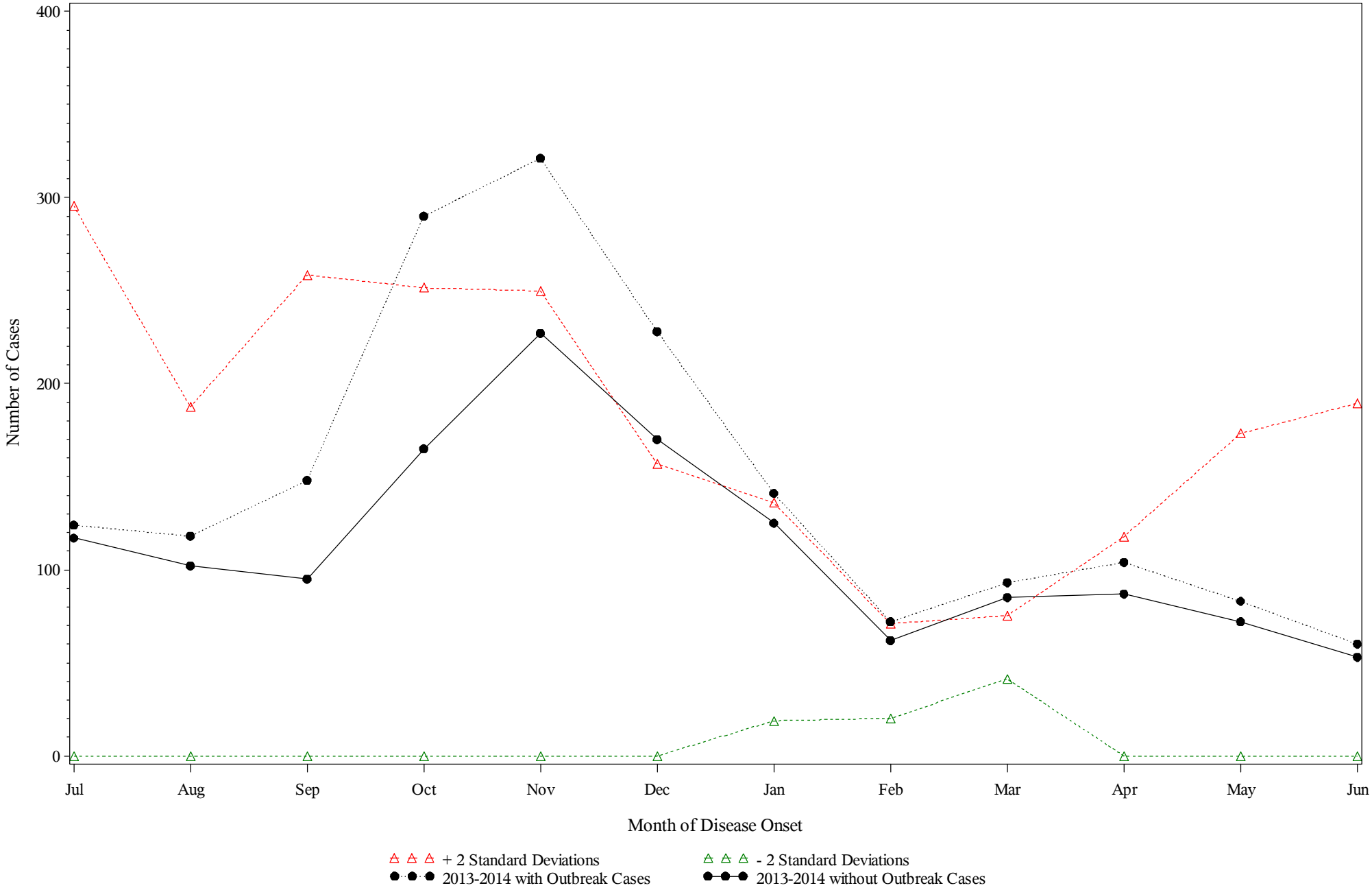
Pertussis



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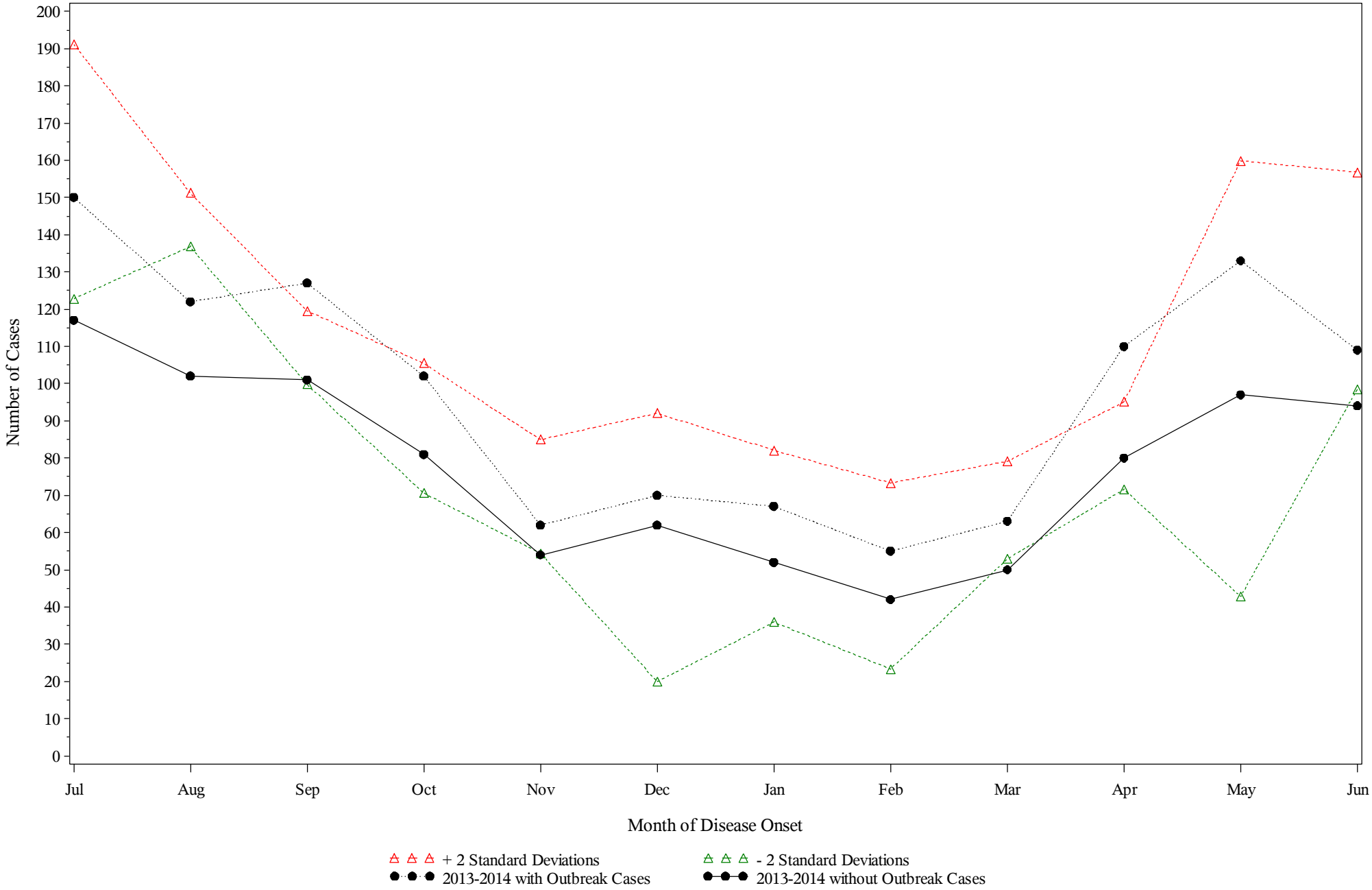
Salmonellosis



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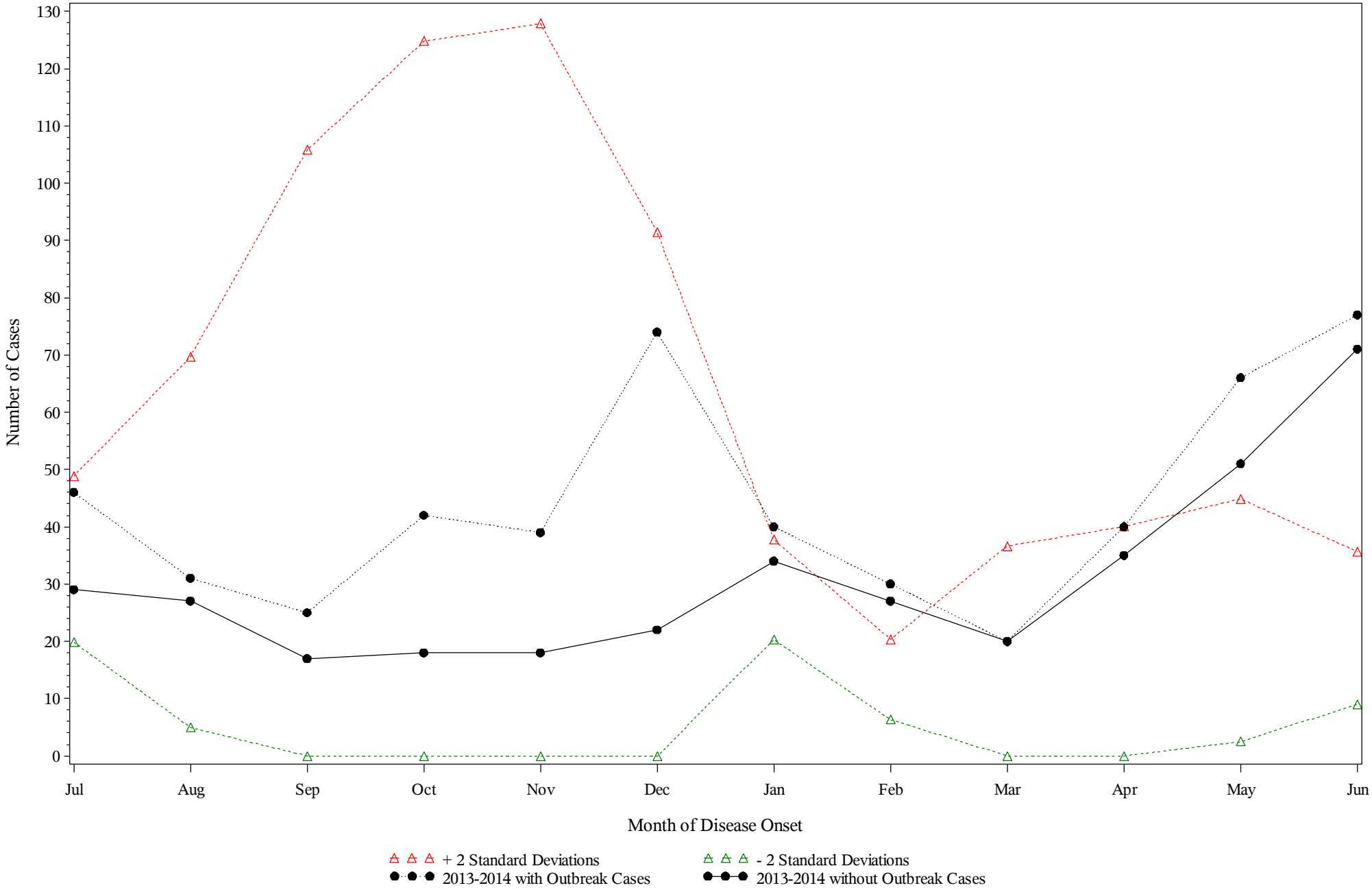
Shigellosis



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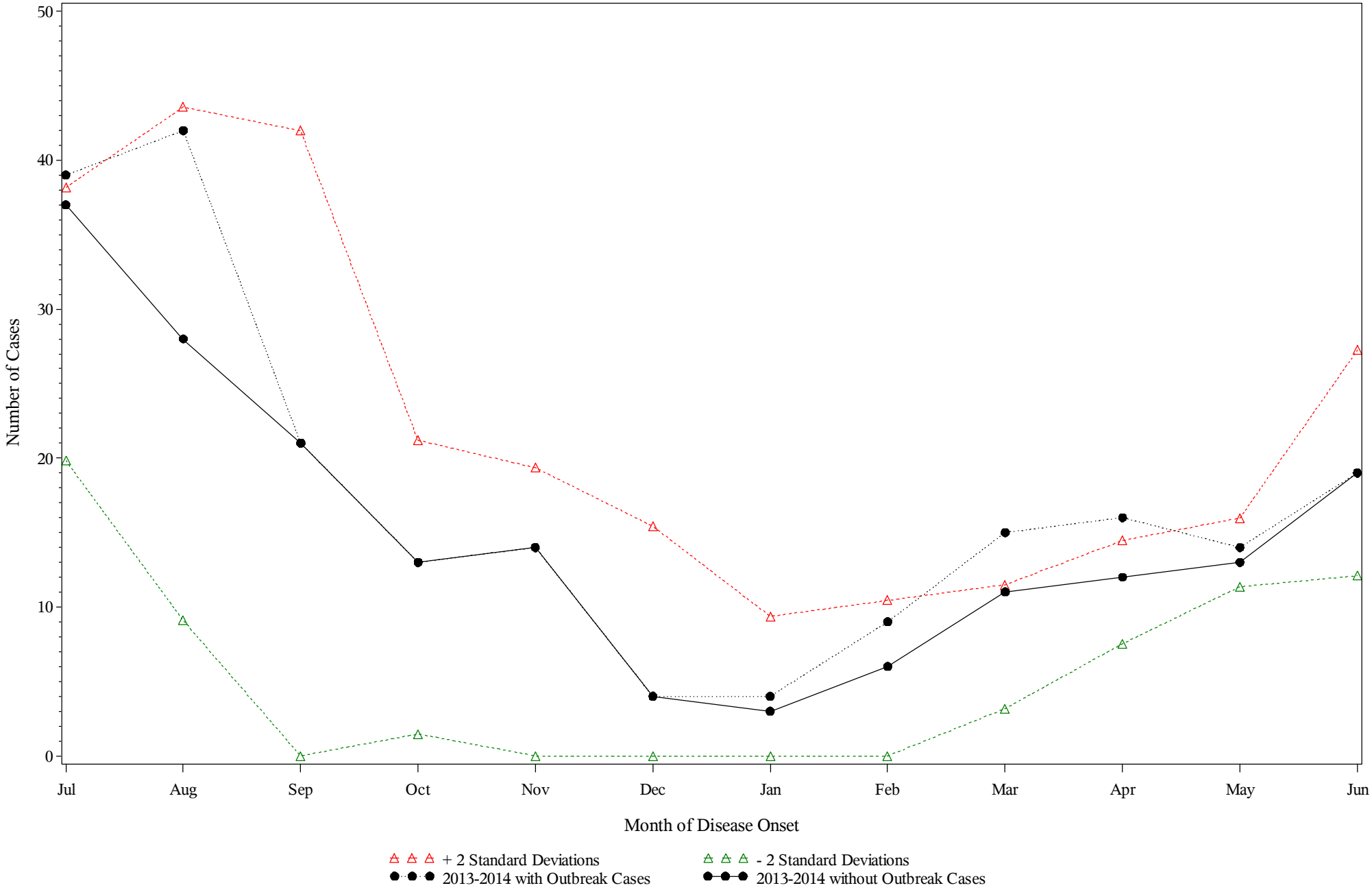
Shiga Toxin-Producing Escherichia coli



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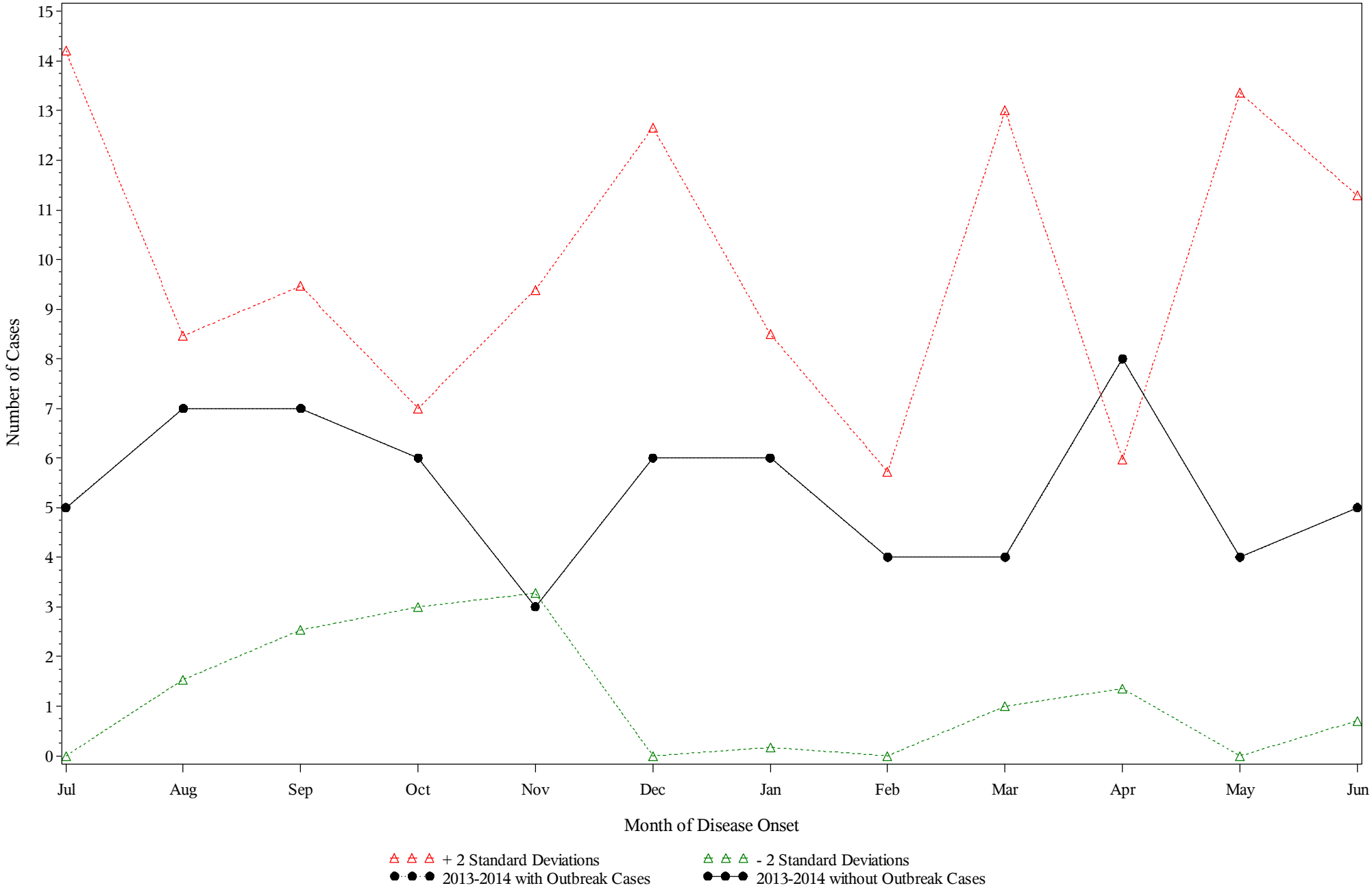
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Streptococcal Disease, Group B, in Newborn



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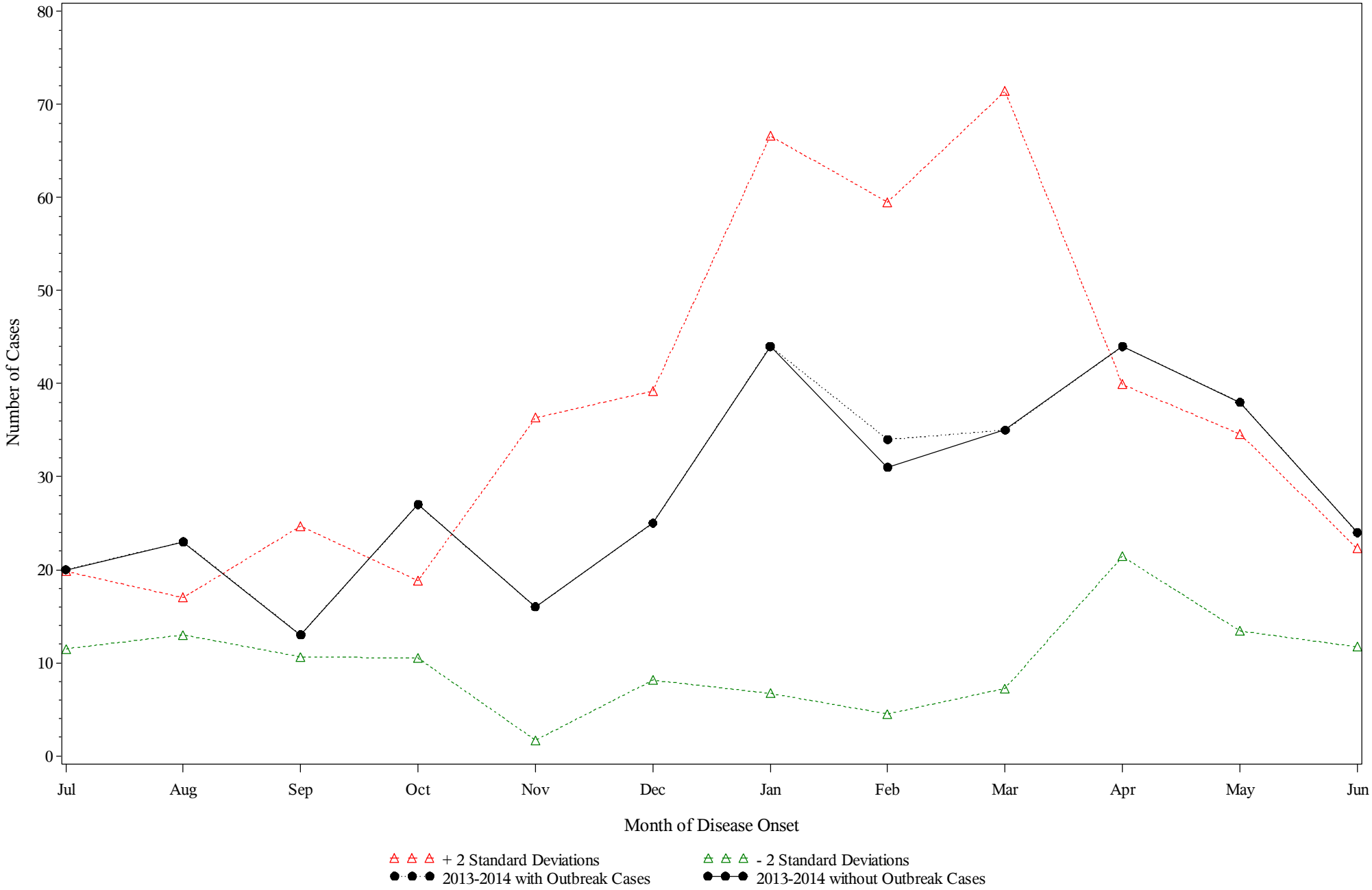
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Streptococcal Disease, Group A, Invasive



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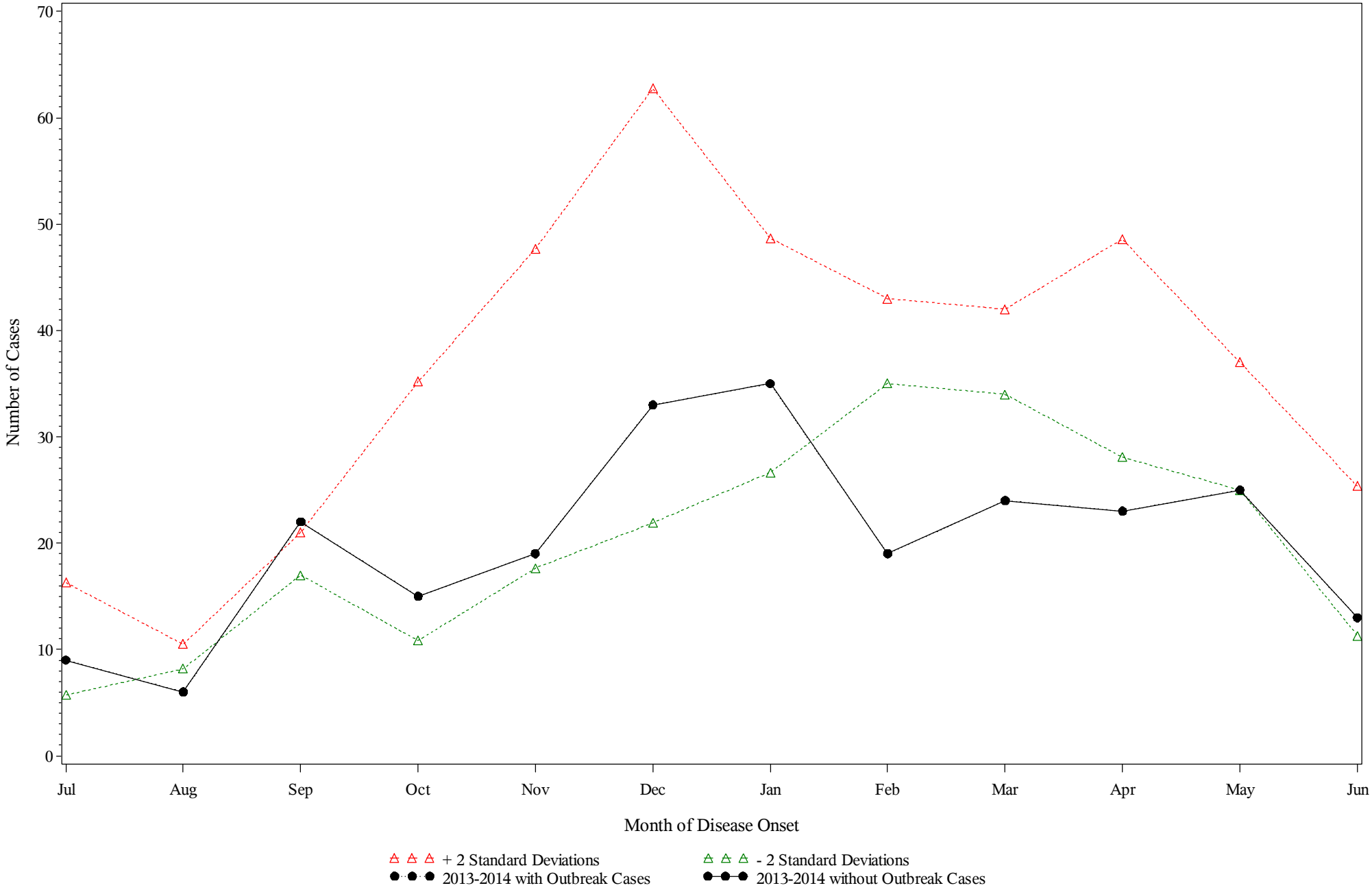
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate



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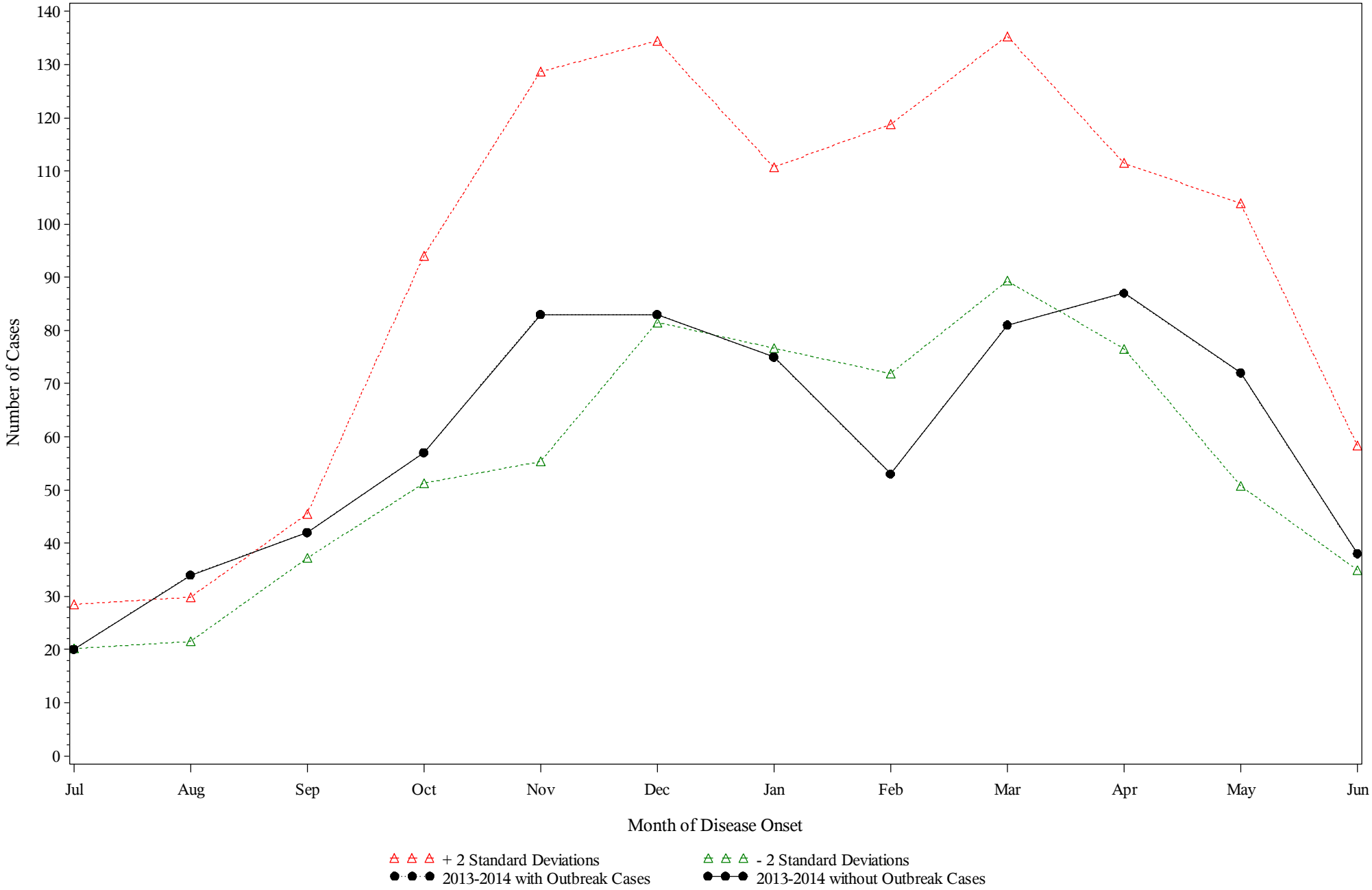
Quarterly Statewide Surveillance Trends by Disease, Ohio, 2013-2014

Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



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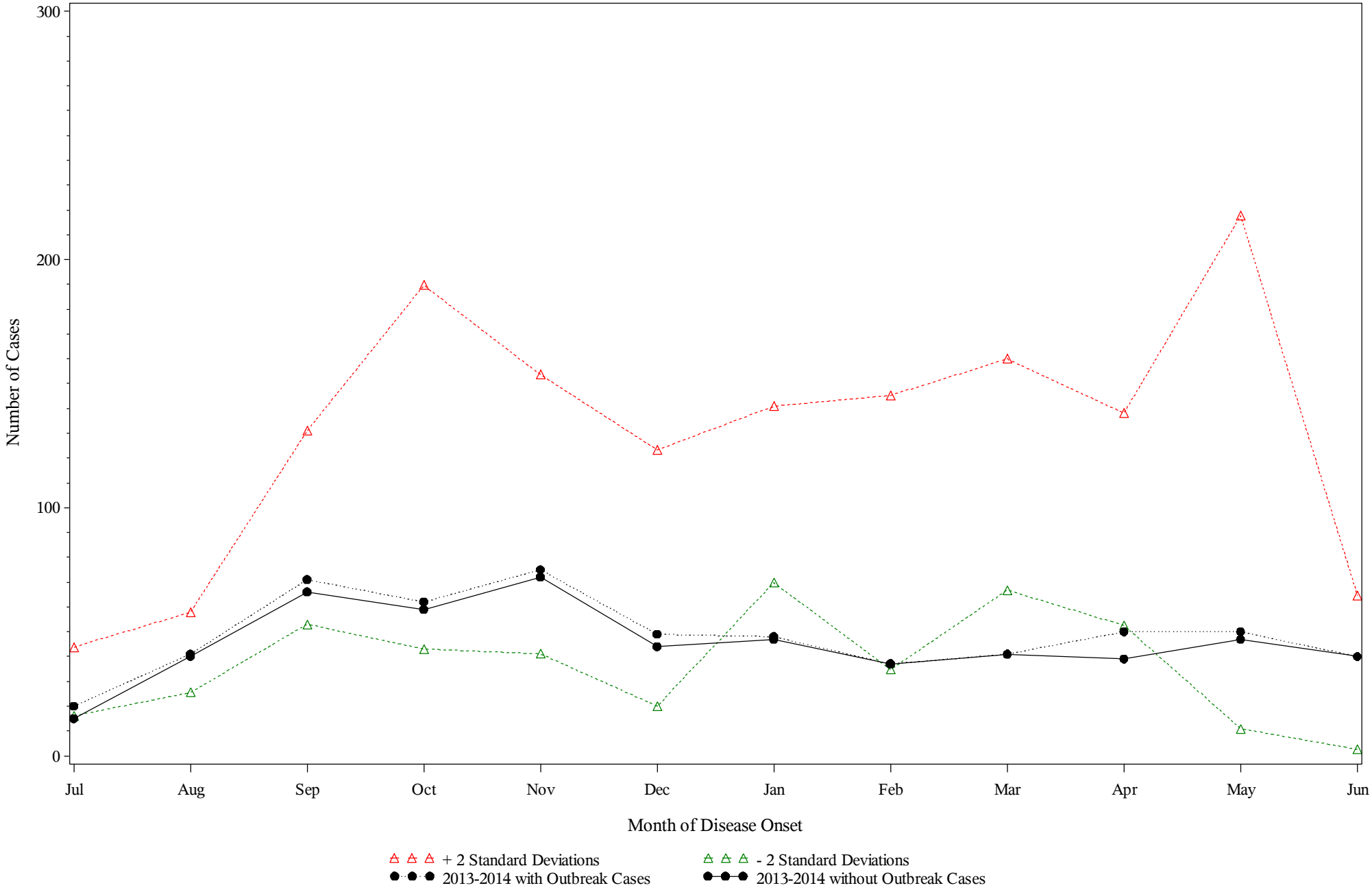
Varicella



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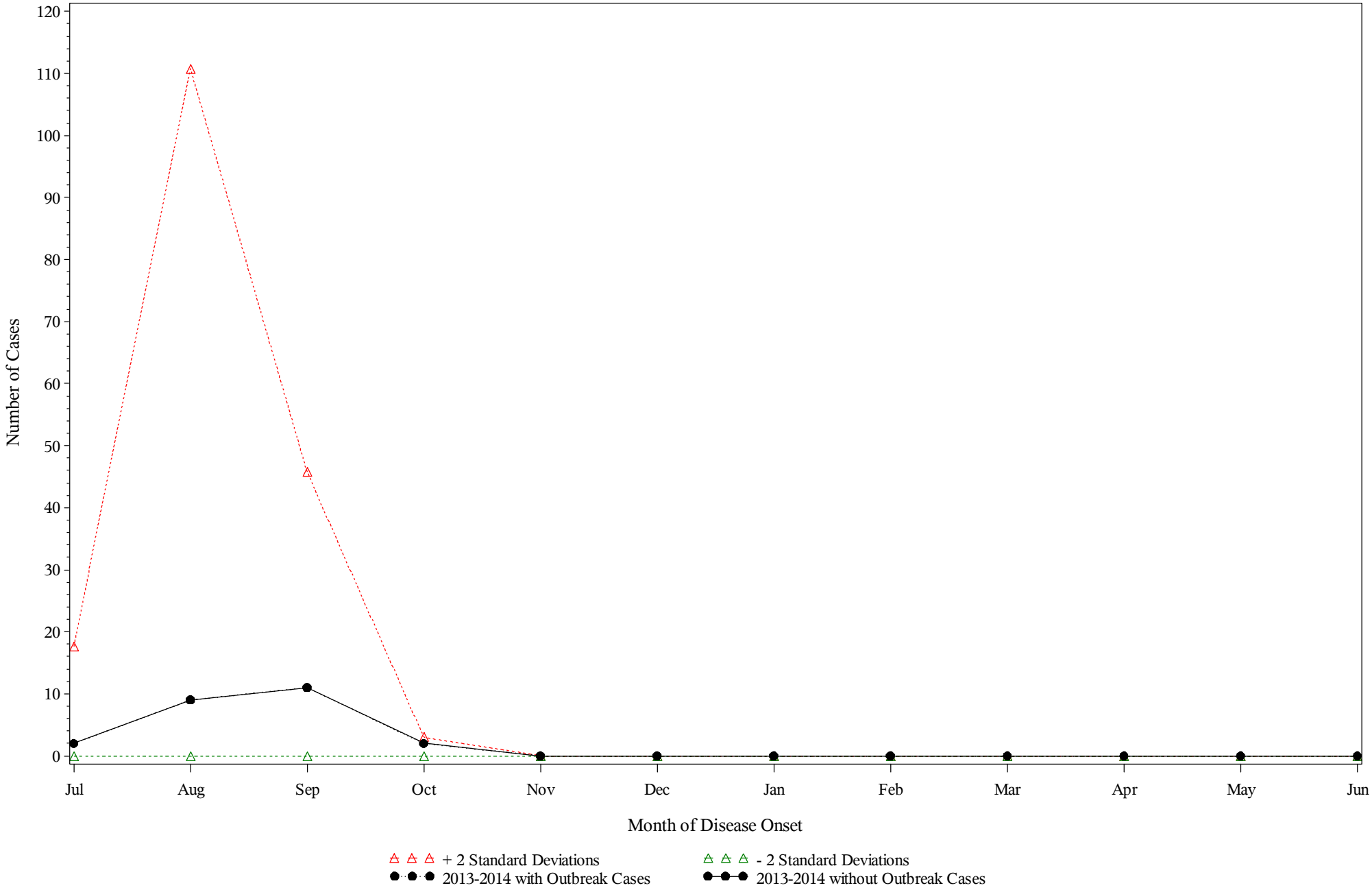
West Nile Virus Disease



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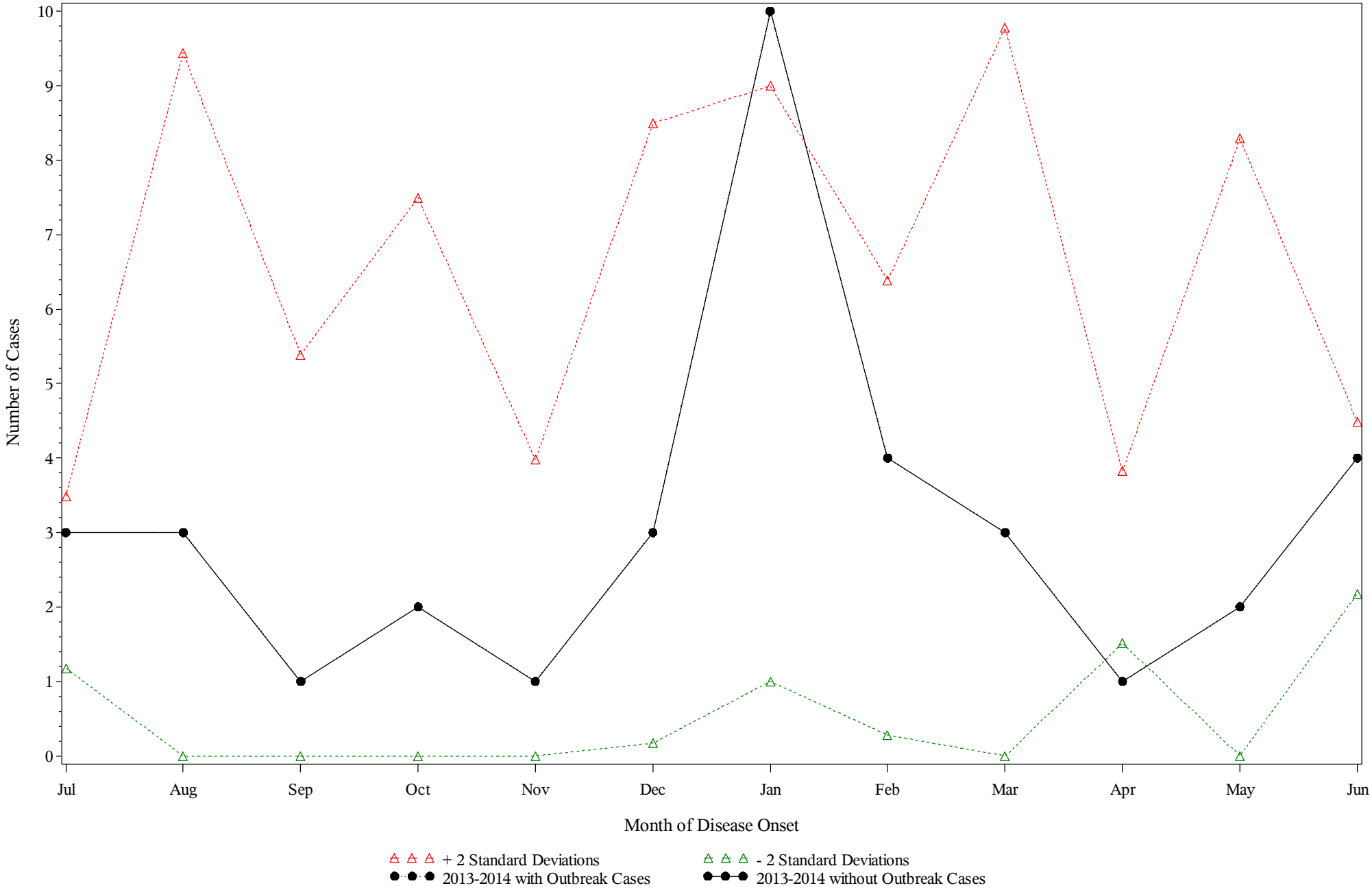
Yersiniosis



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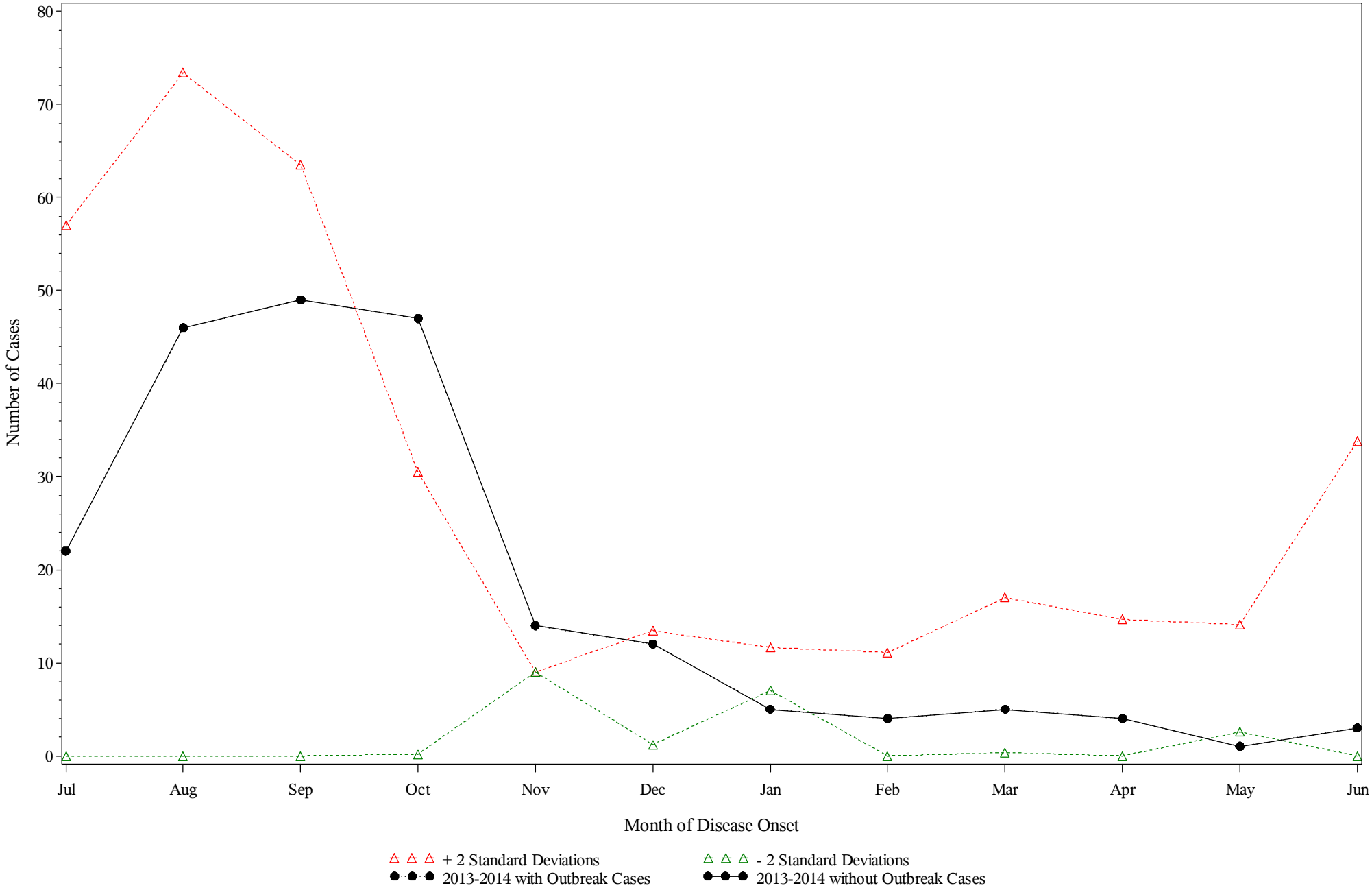
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Central Aseptic Meningitis



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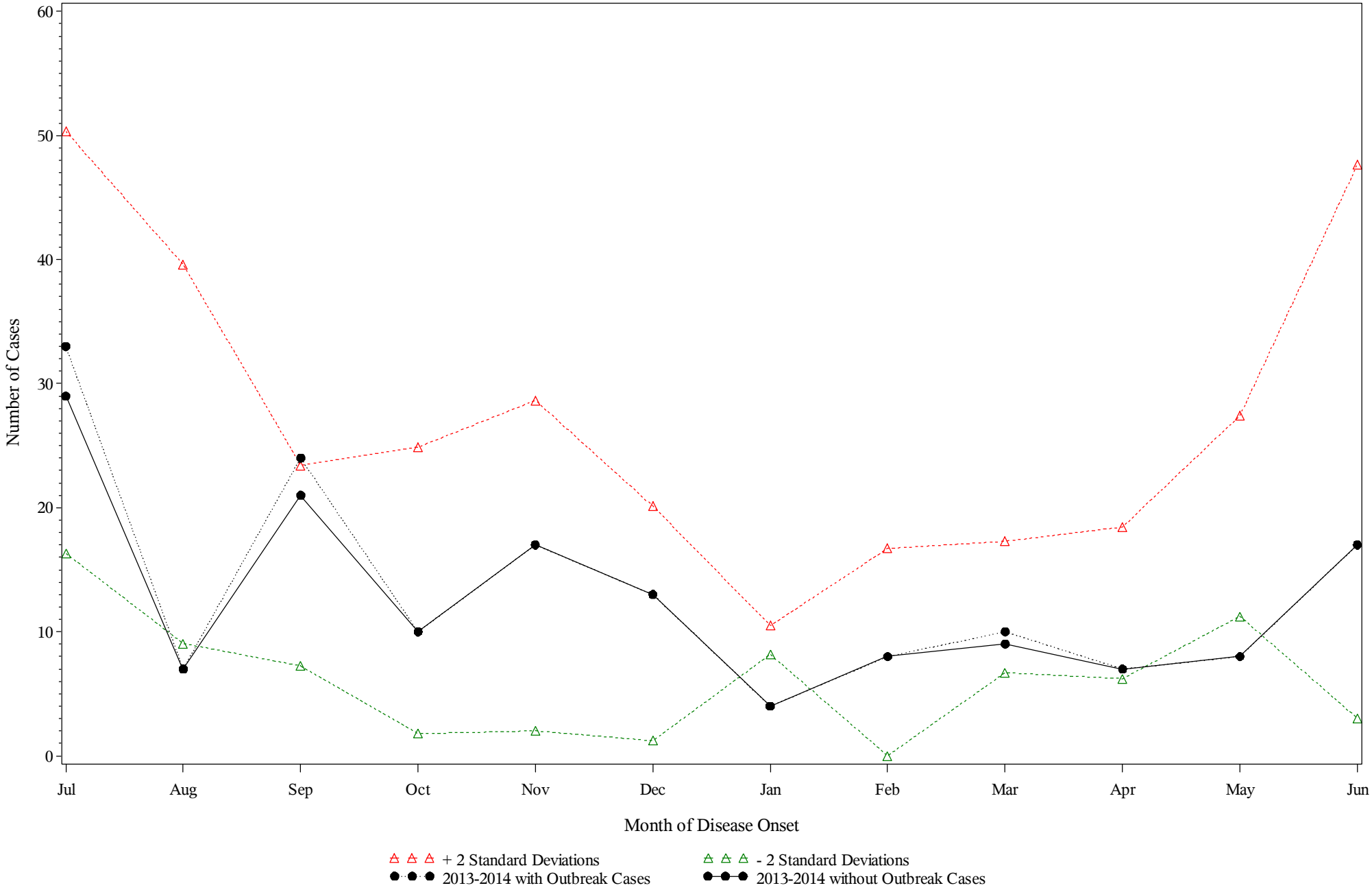
Central Campylobacteriosis



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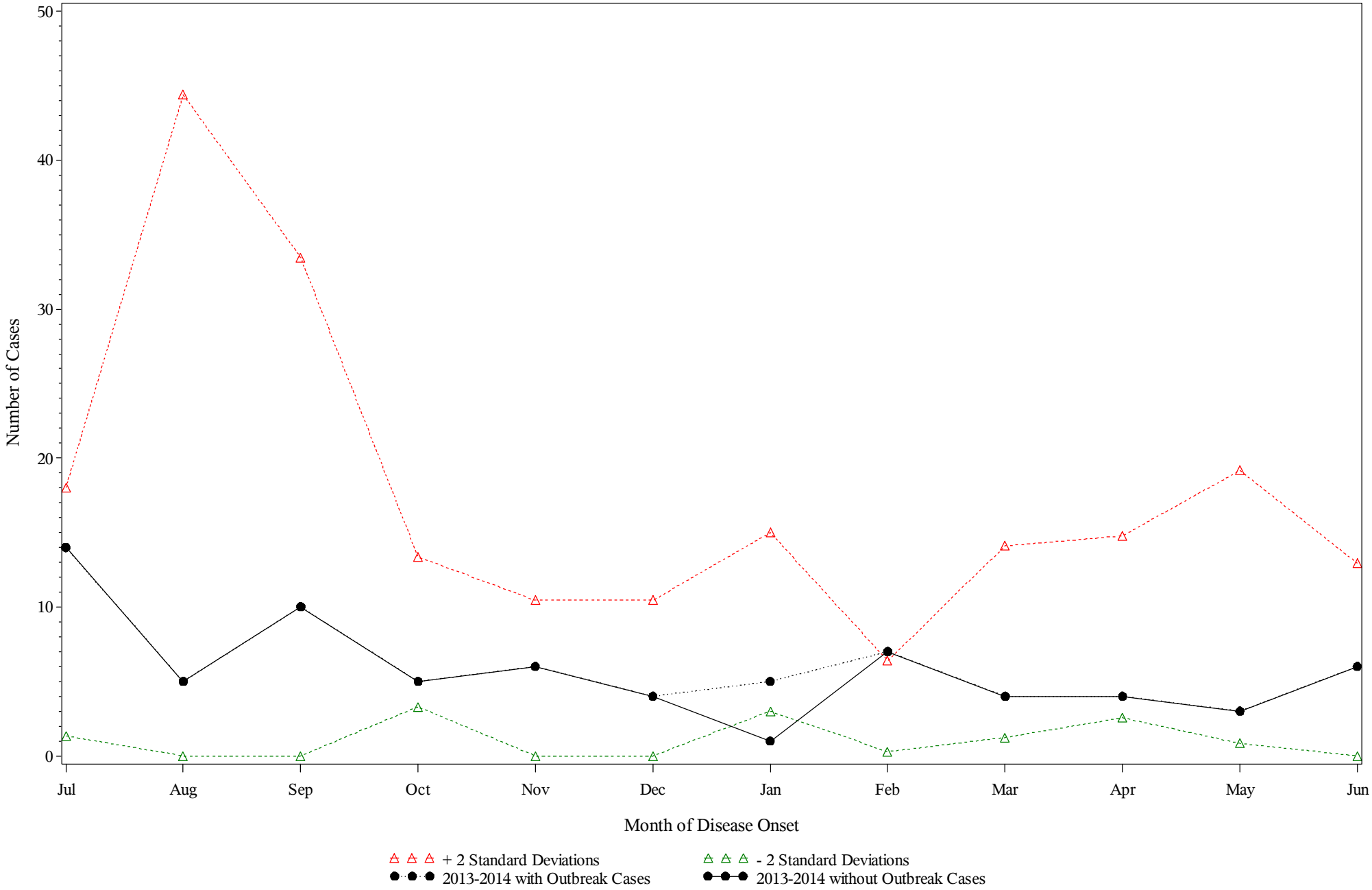
Central Cryptosporidiosis



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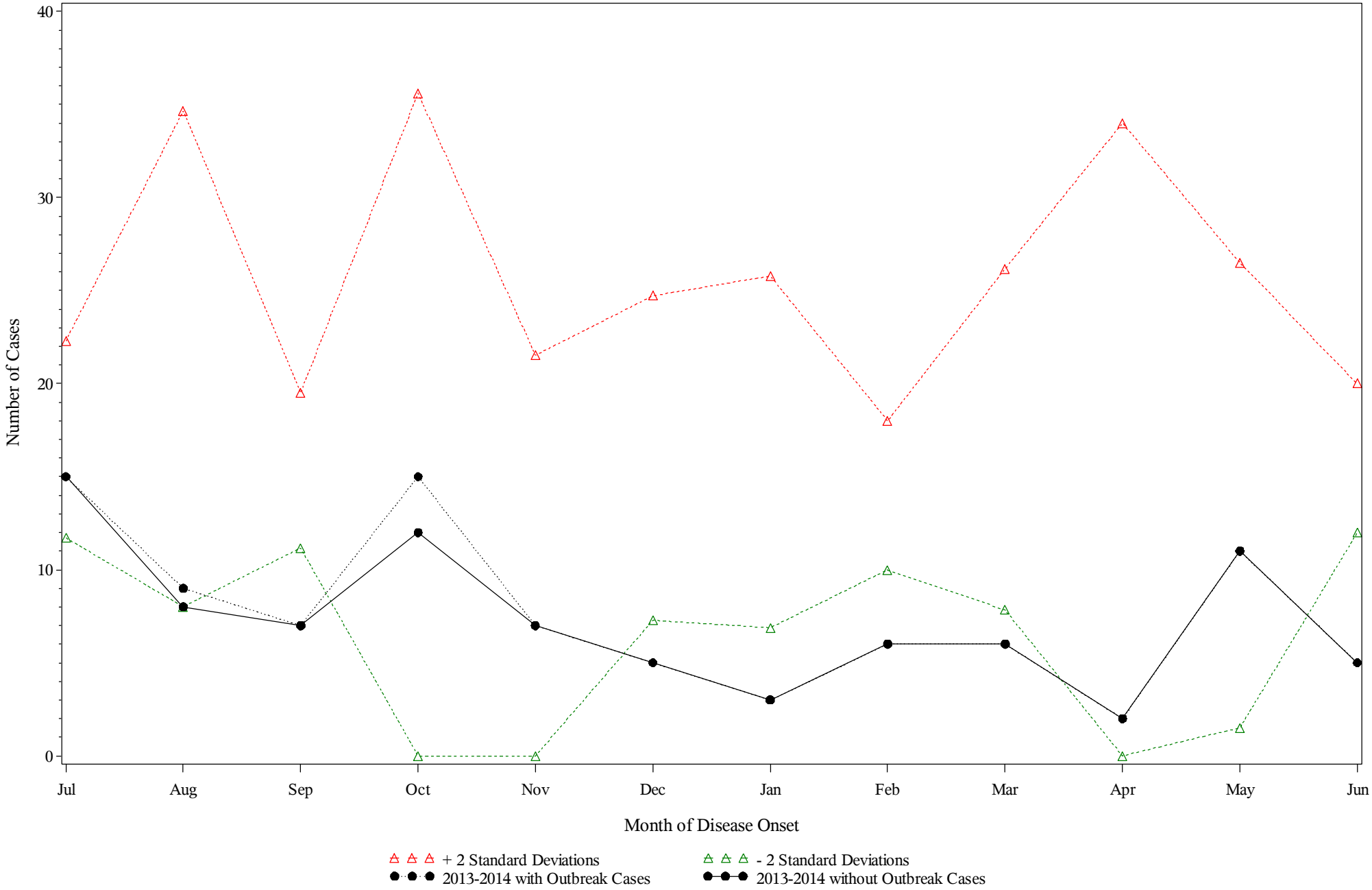
Central Giardiasis



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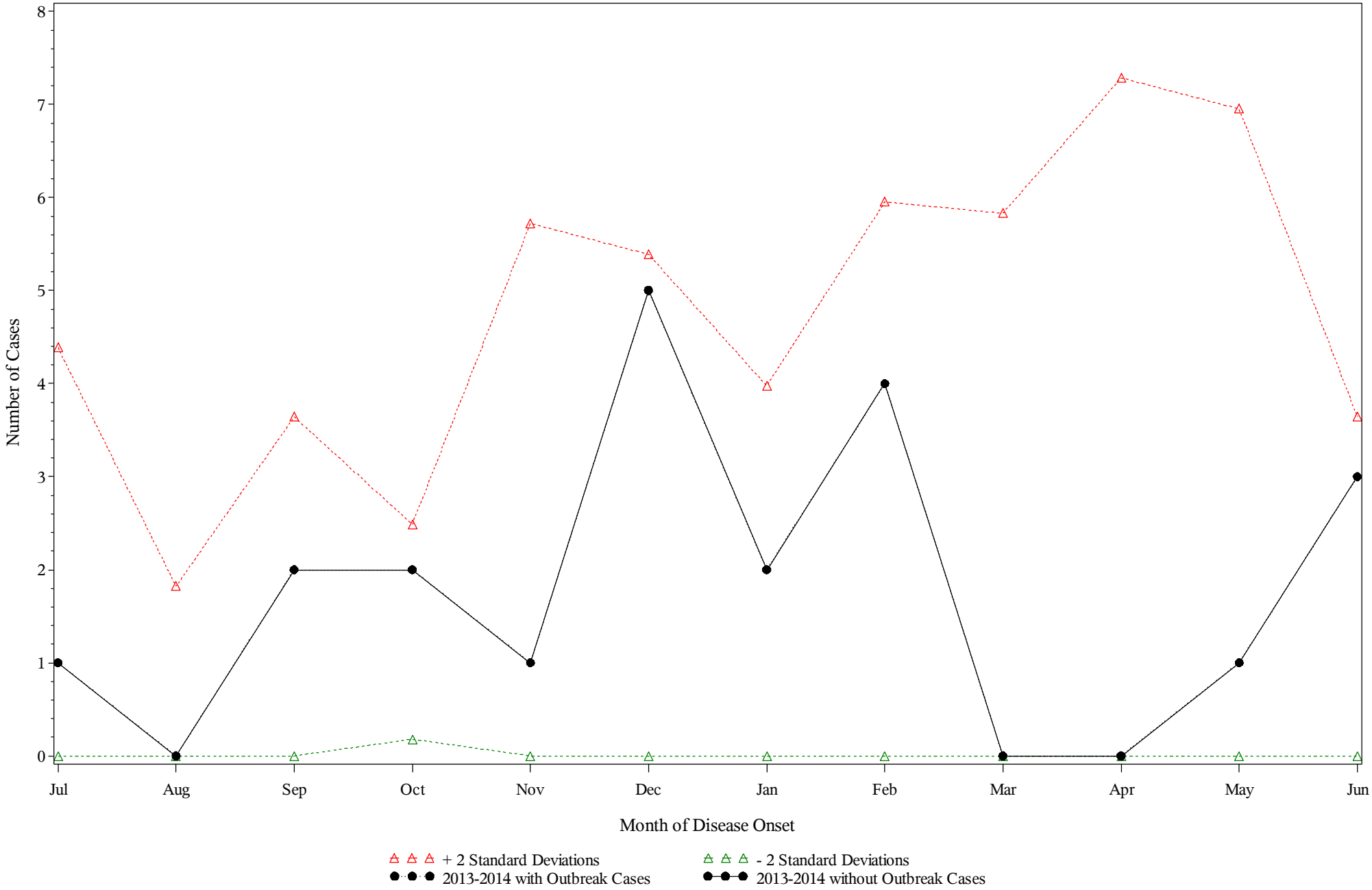
Central Haemophilus influenzae, Invasive



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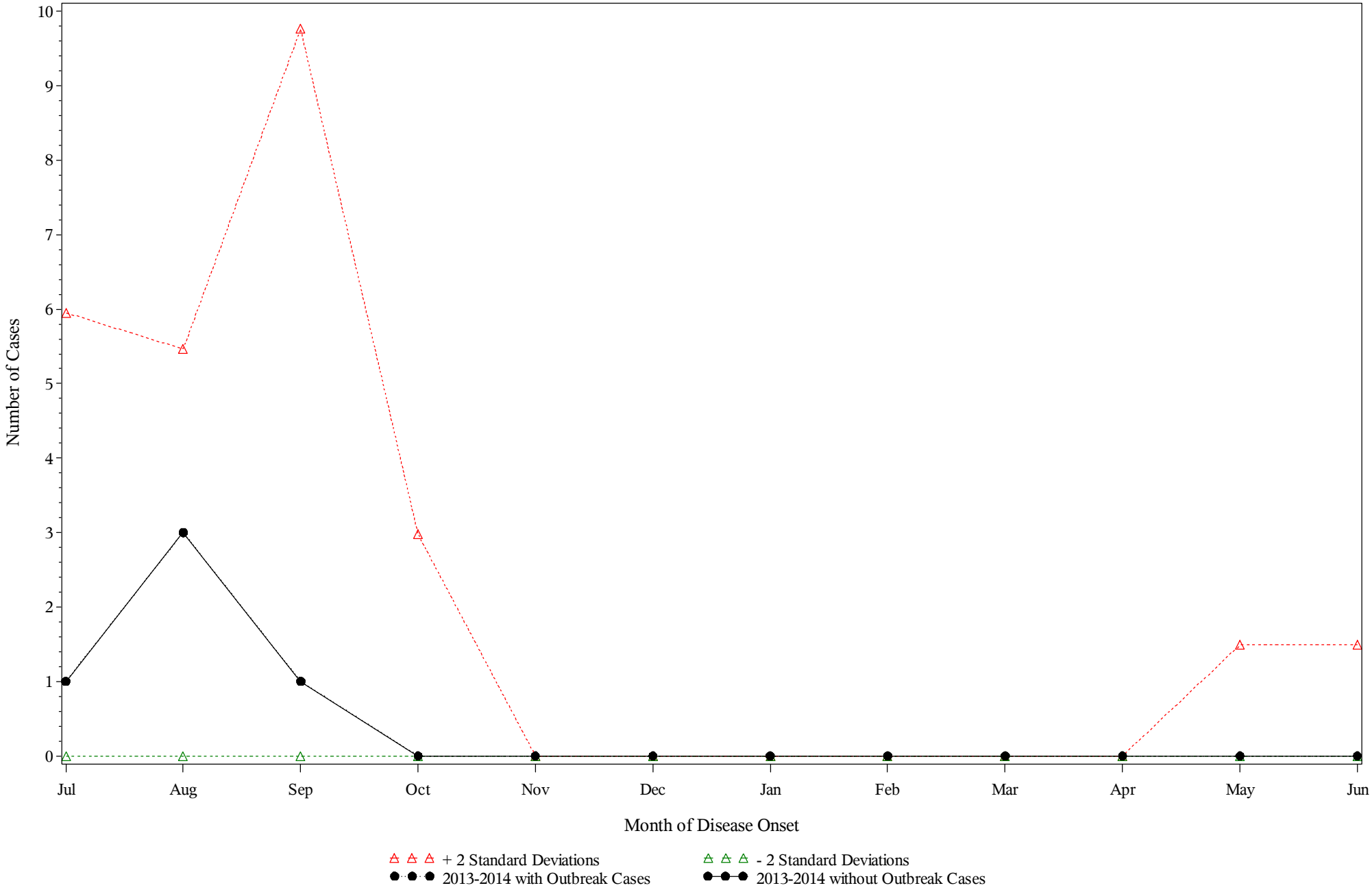
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Central LaCrosse Virus Disease



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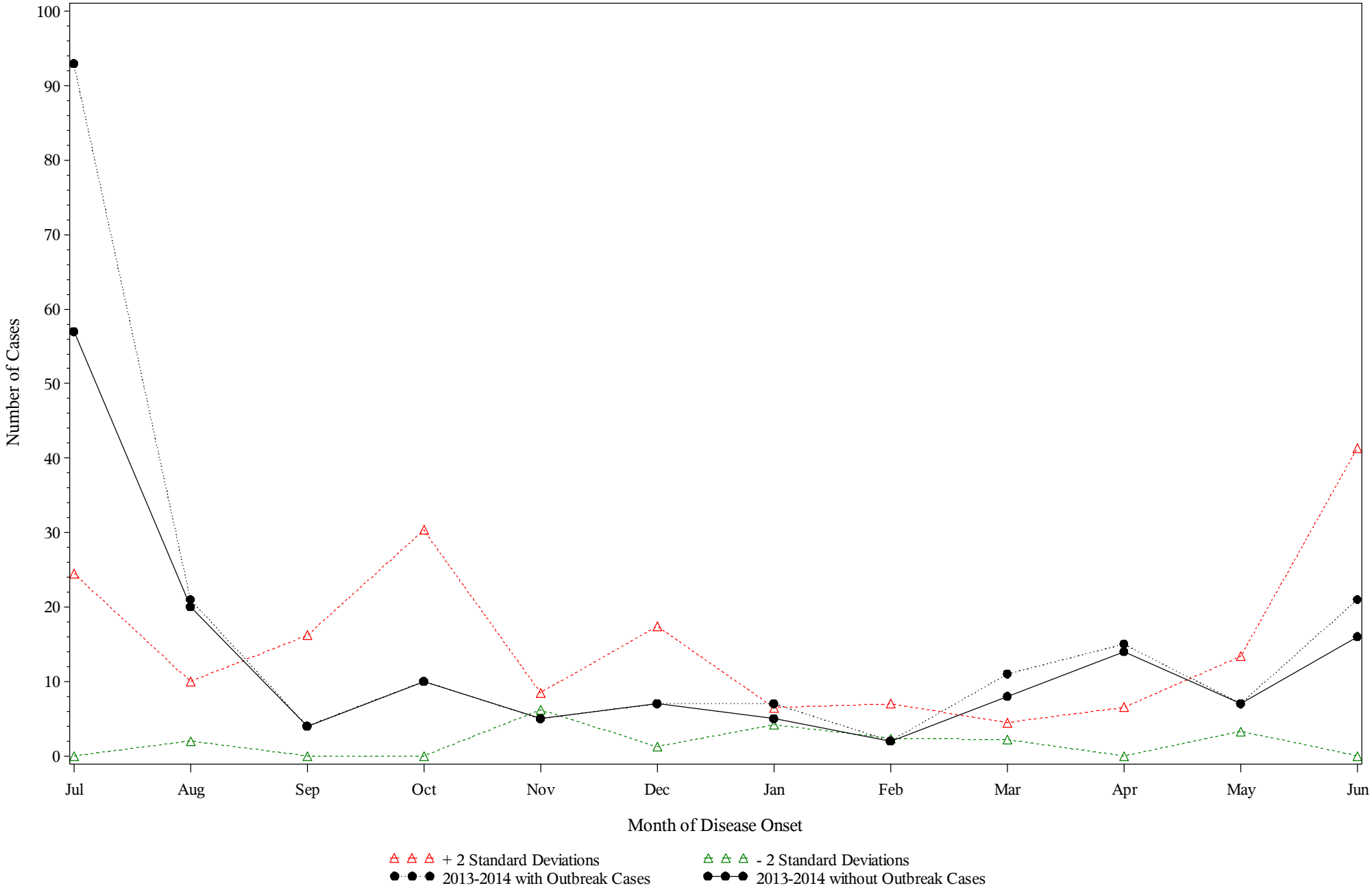
Central Legionellosis



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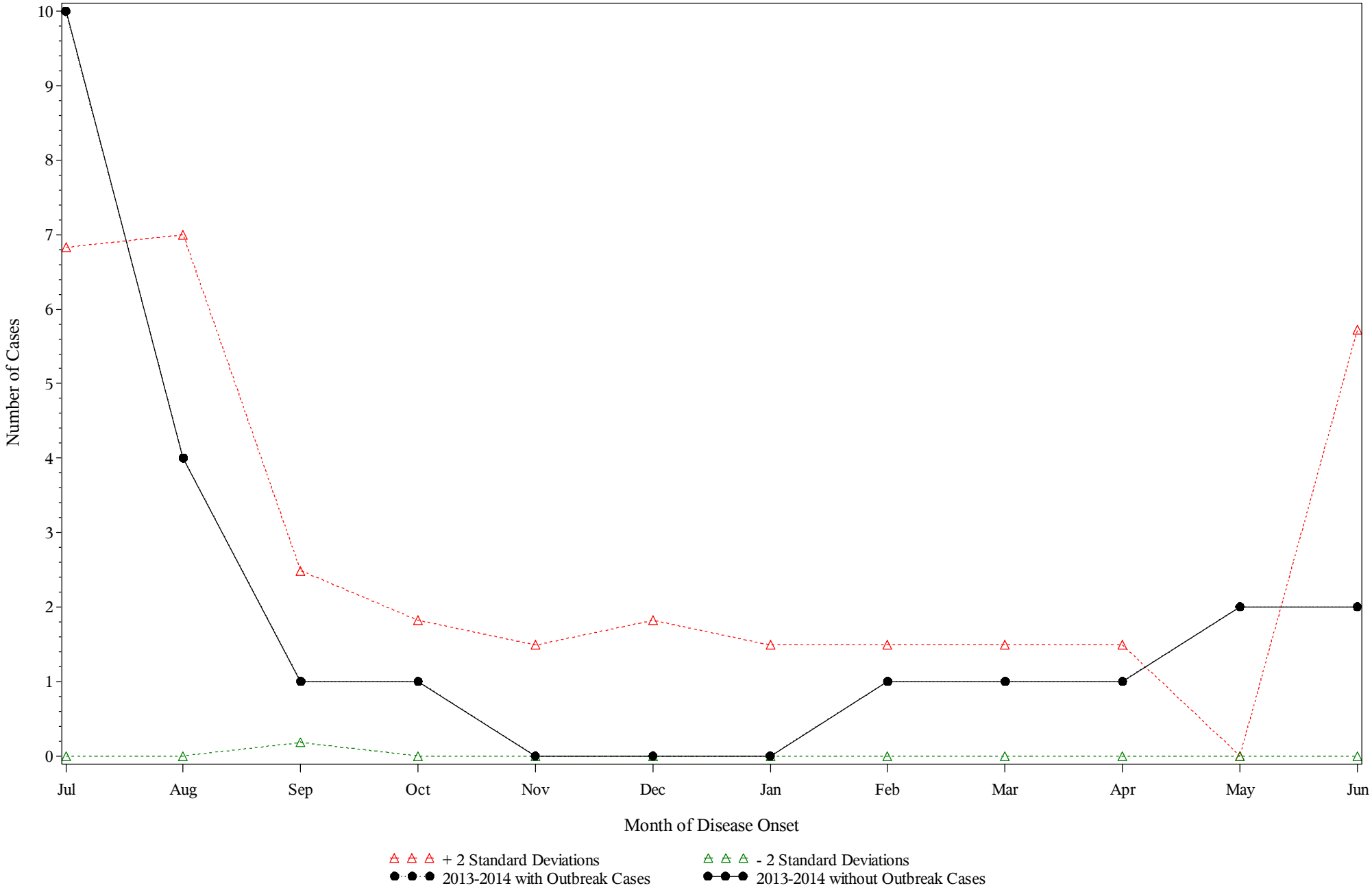
Central Lyme Disease



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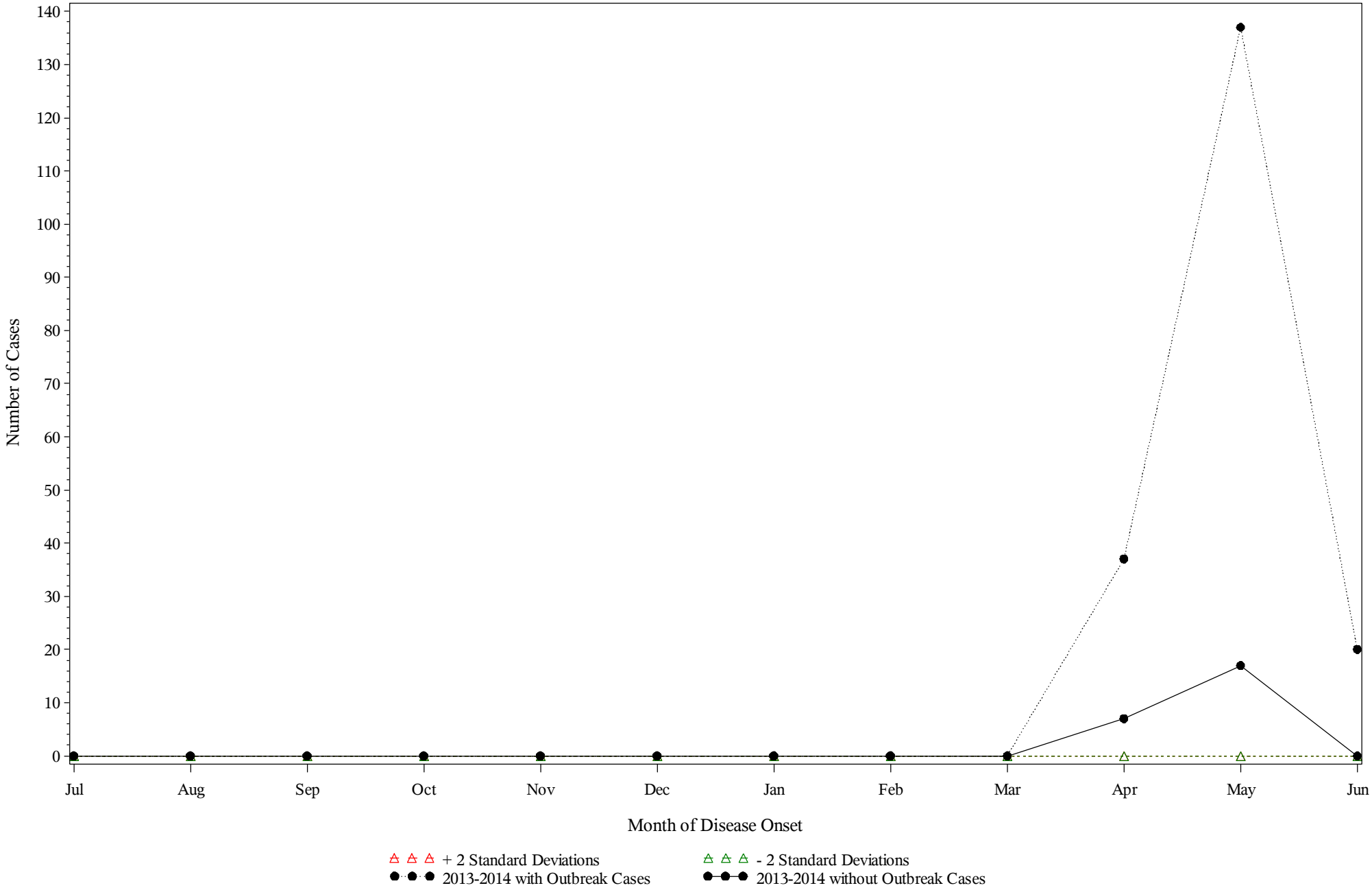
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Central Measles



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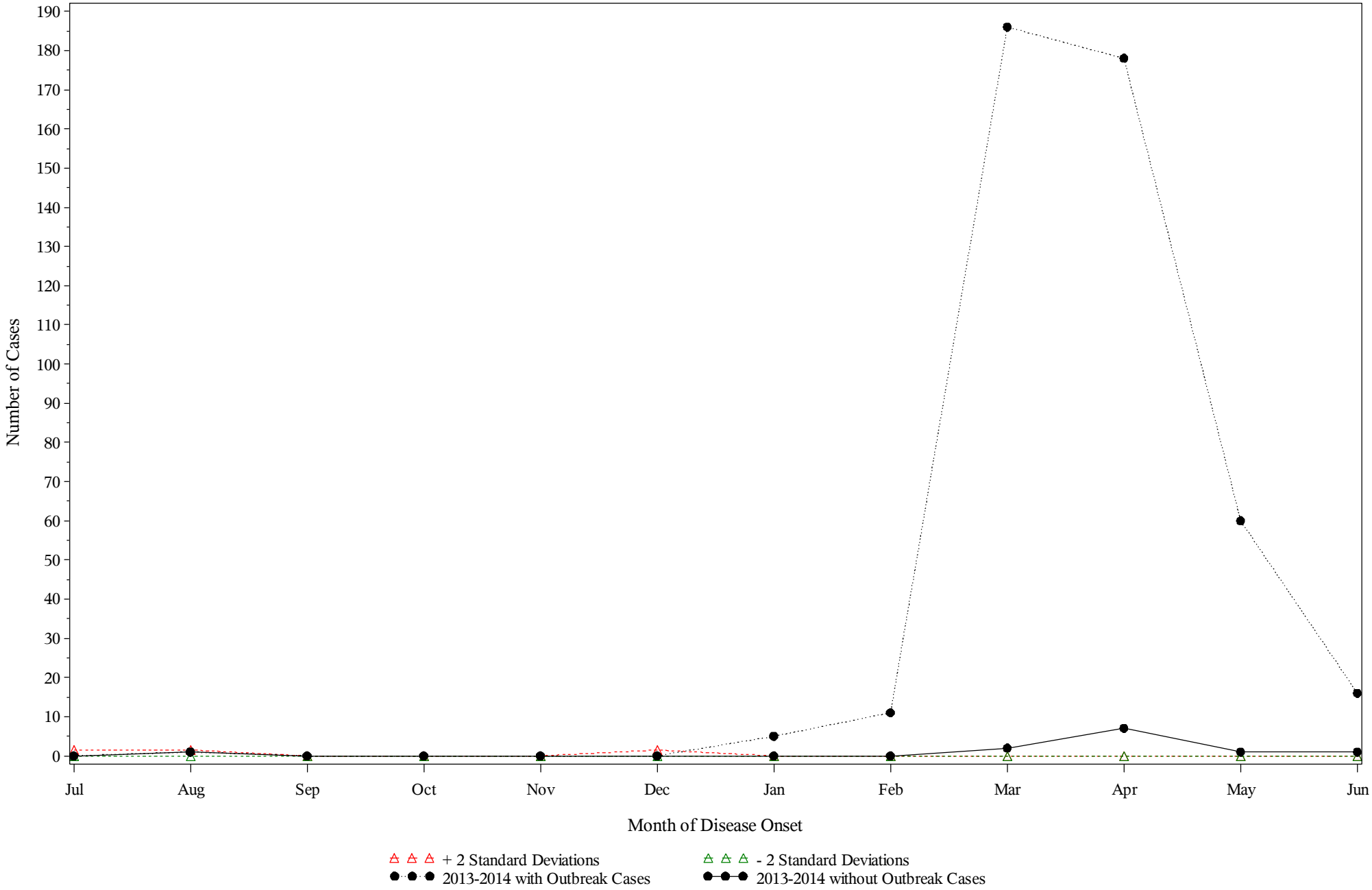
Central Mumps



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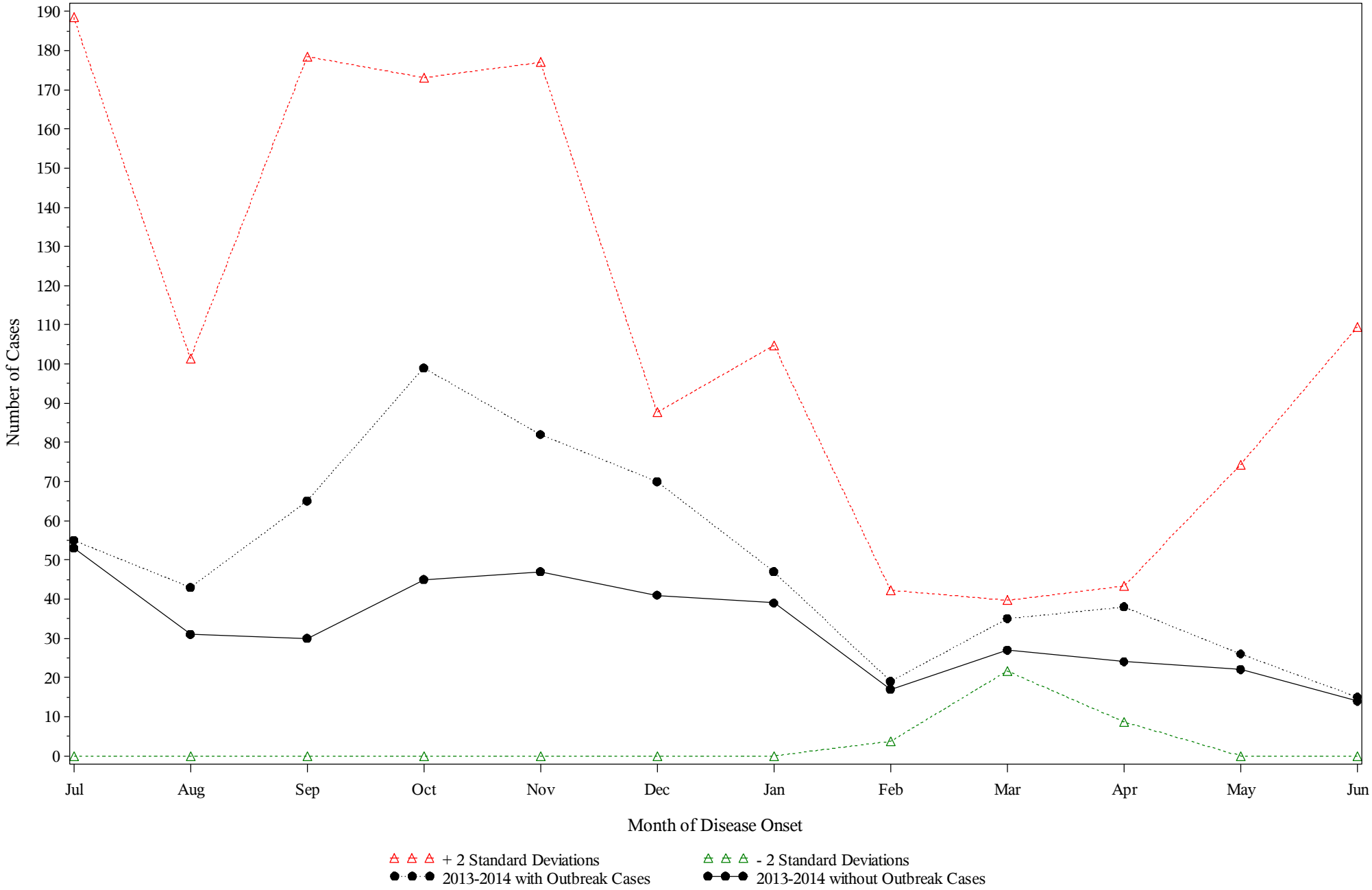
Central Pertussis



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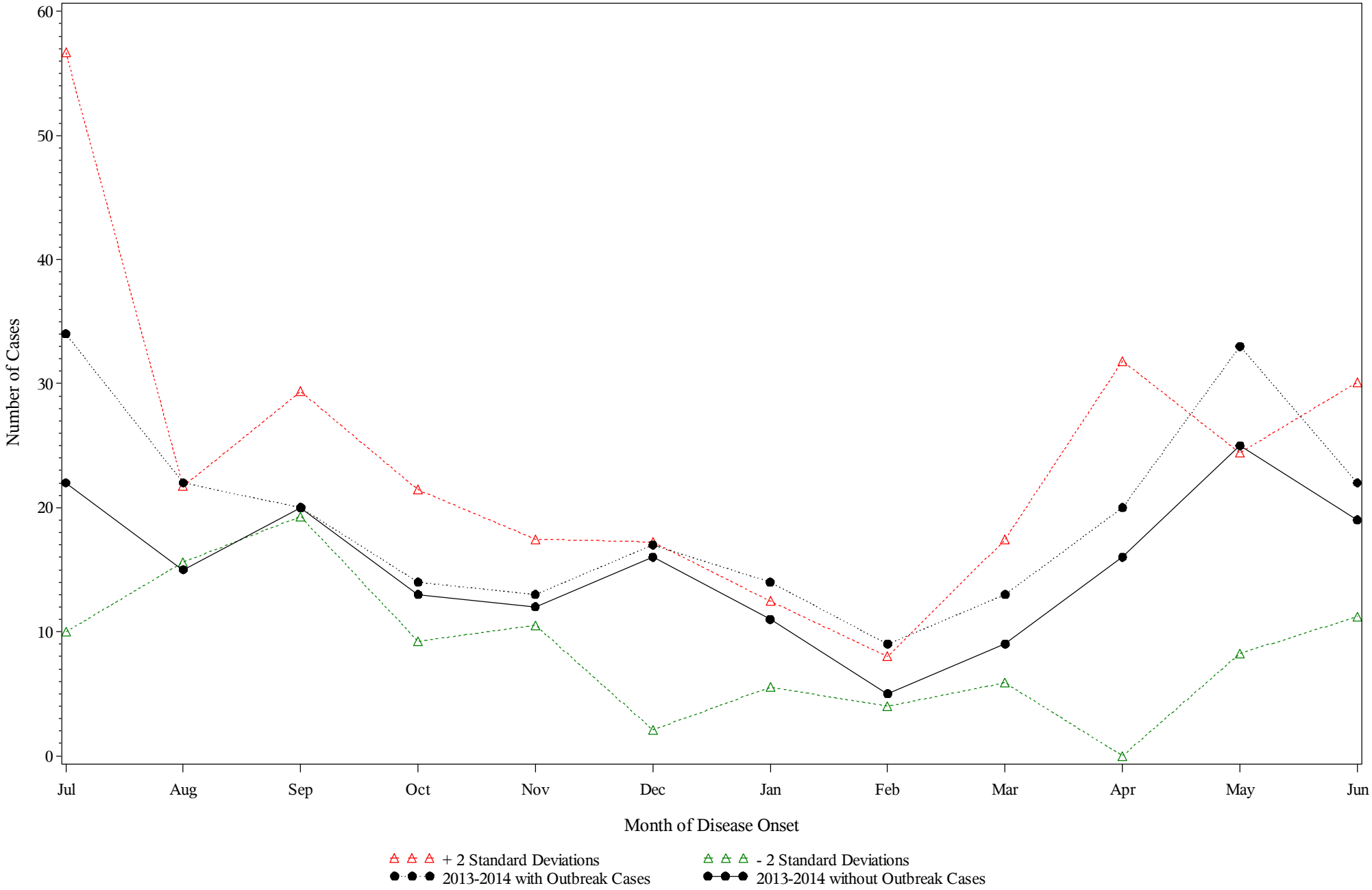
Central Salmonellosis



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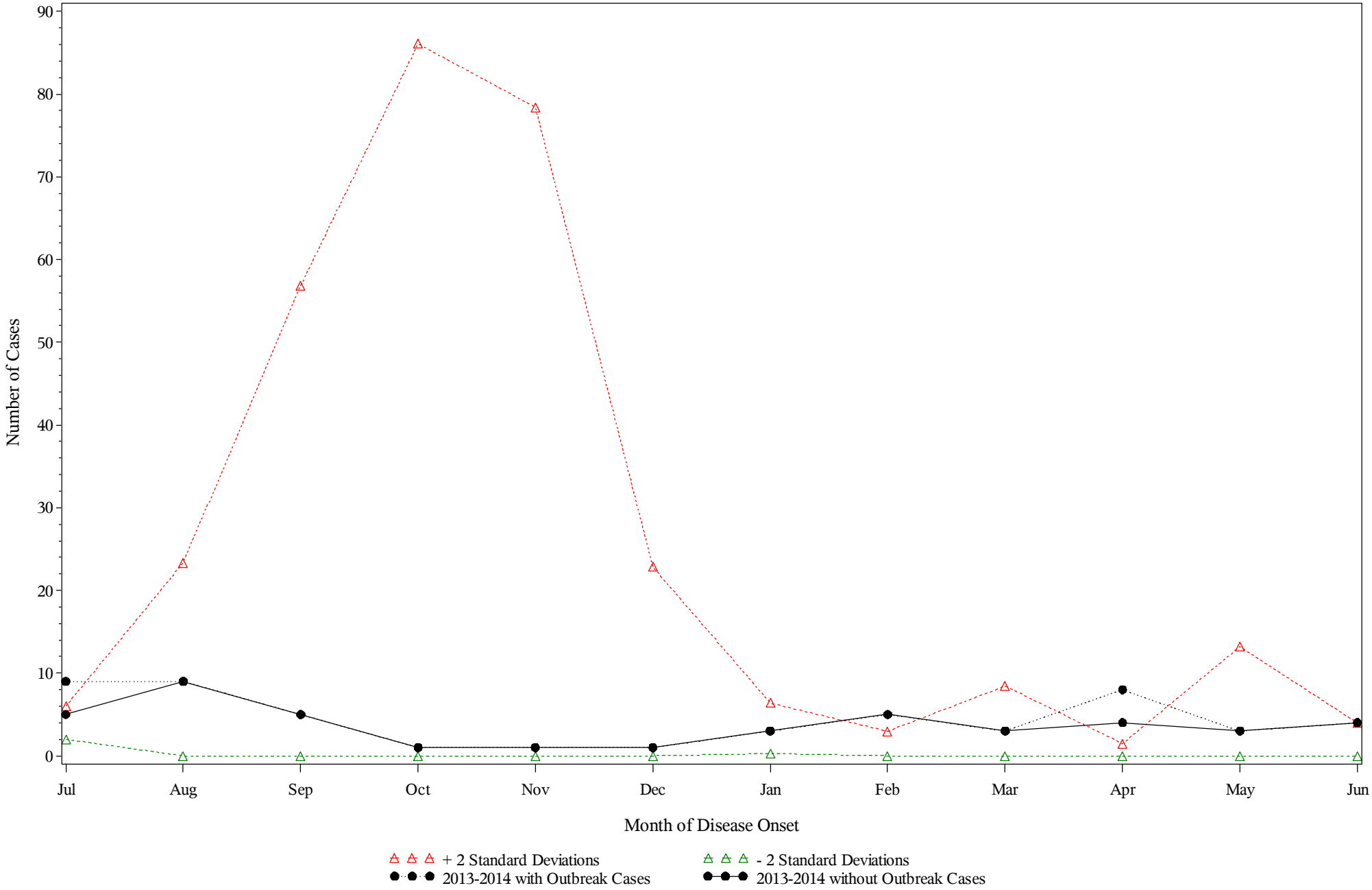
Central Shigellosis



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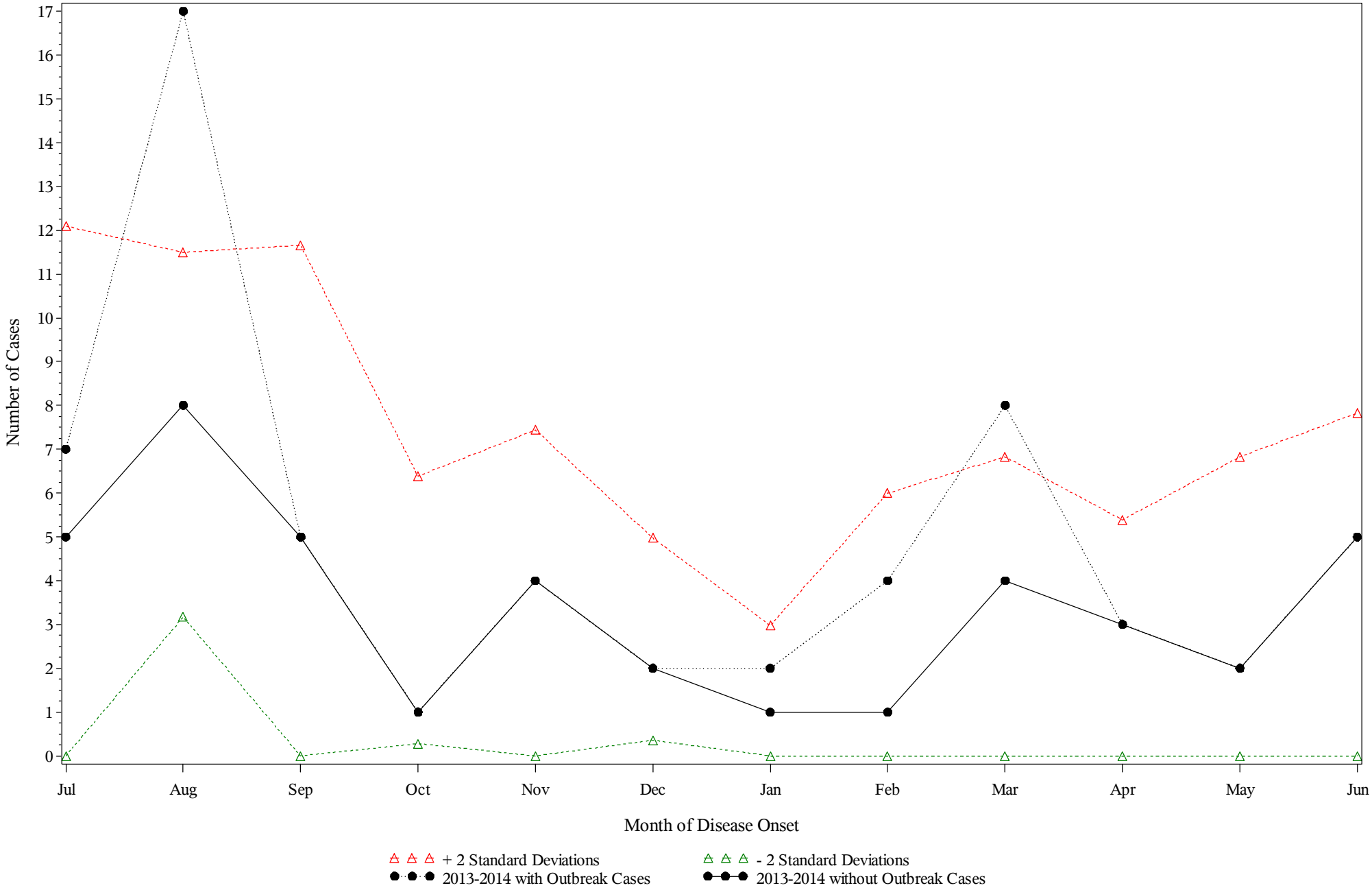
Central Shiga Toxin-Producing Escherichia coli



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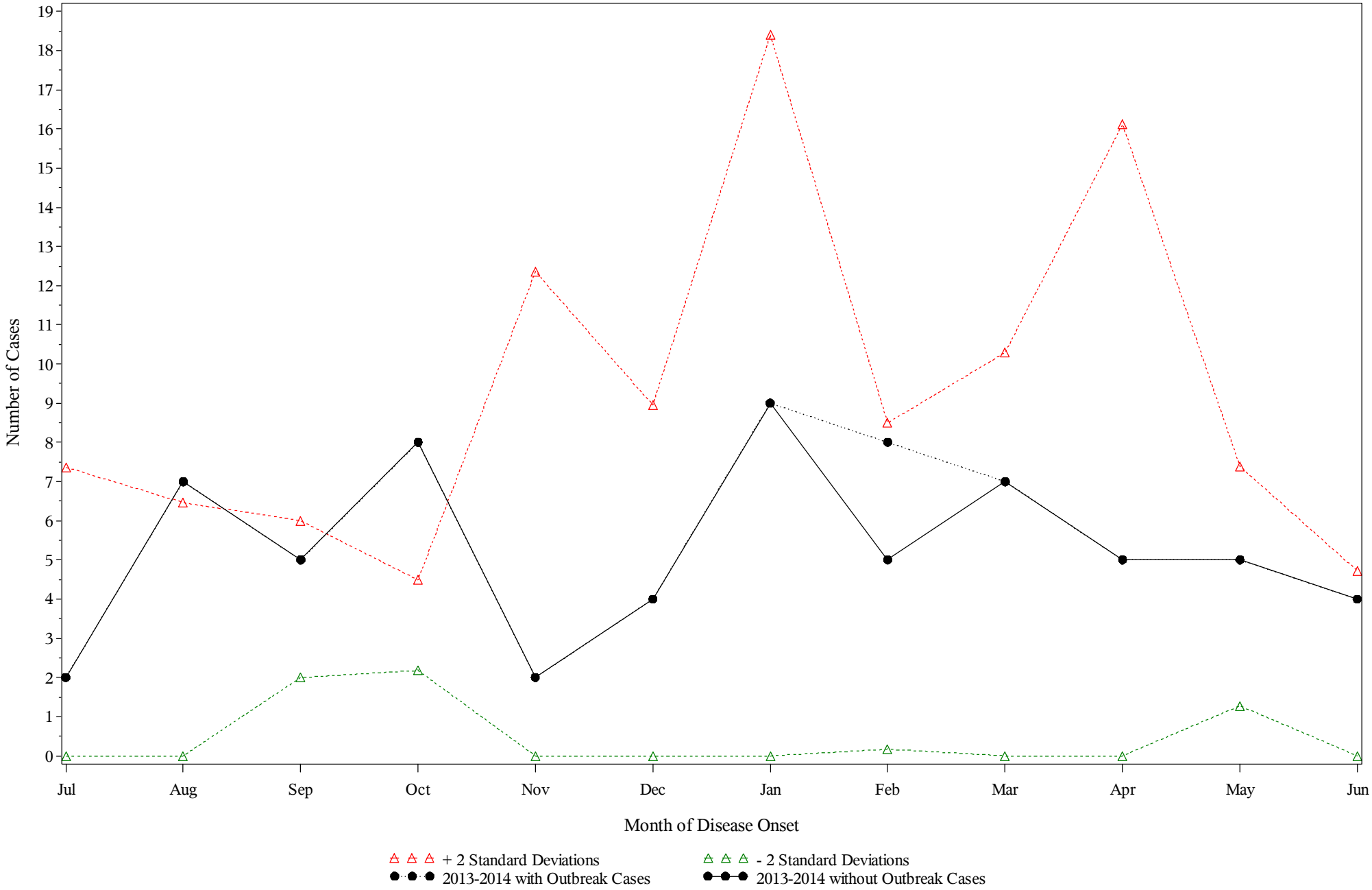
Central Streptococcal Disease, Group A, Invasive



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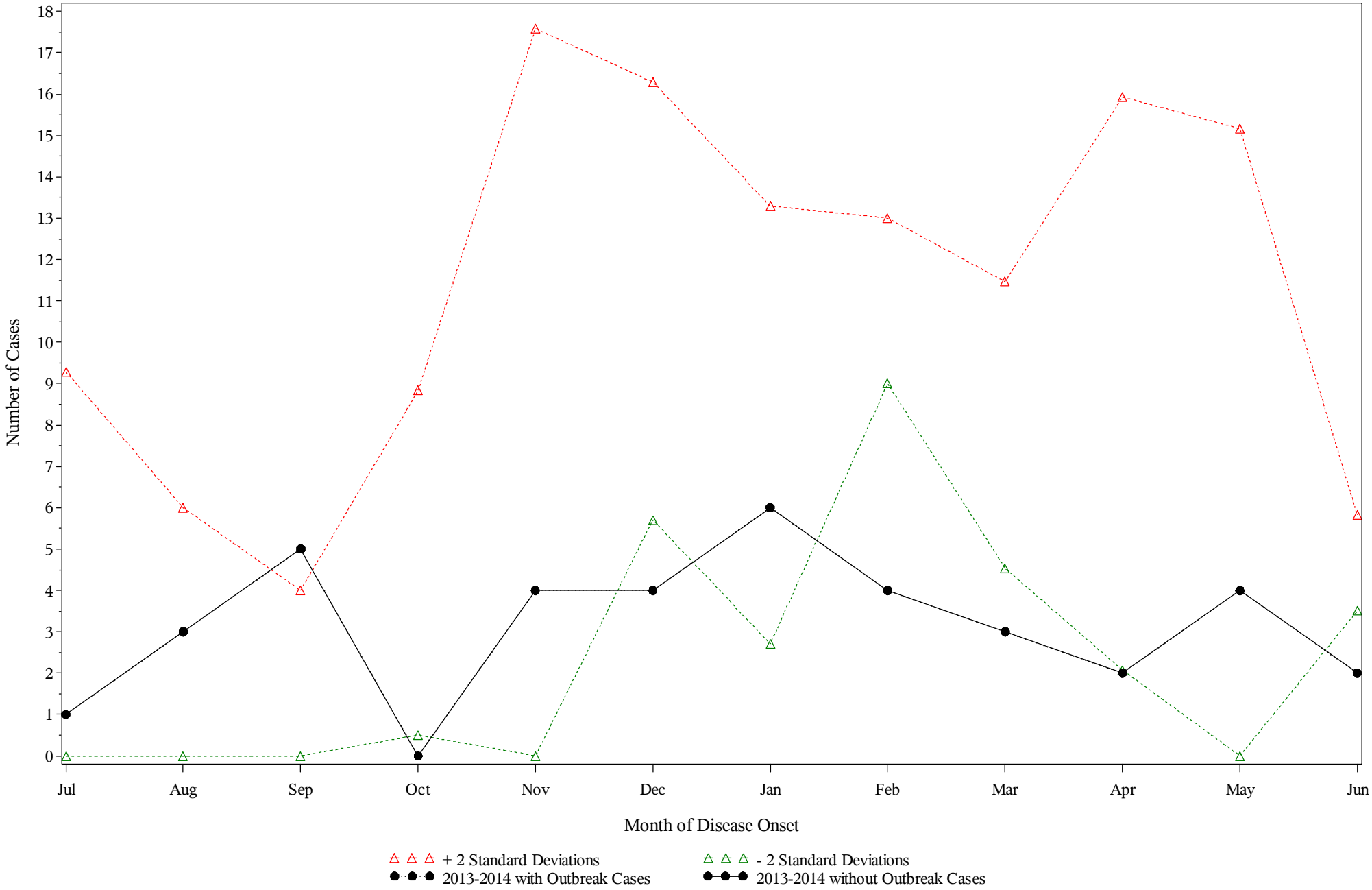

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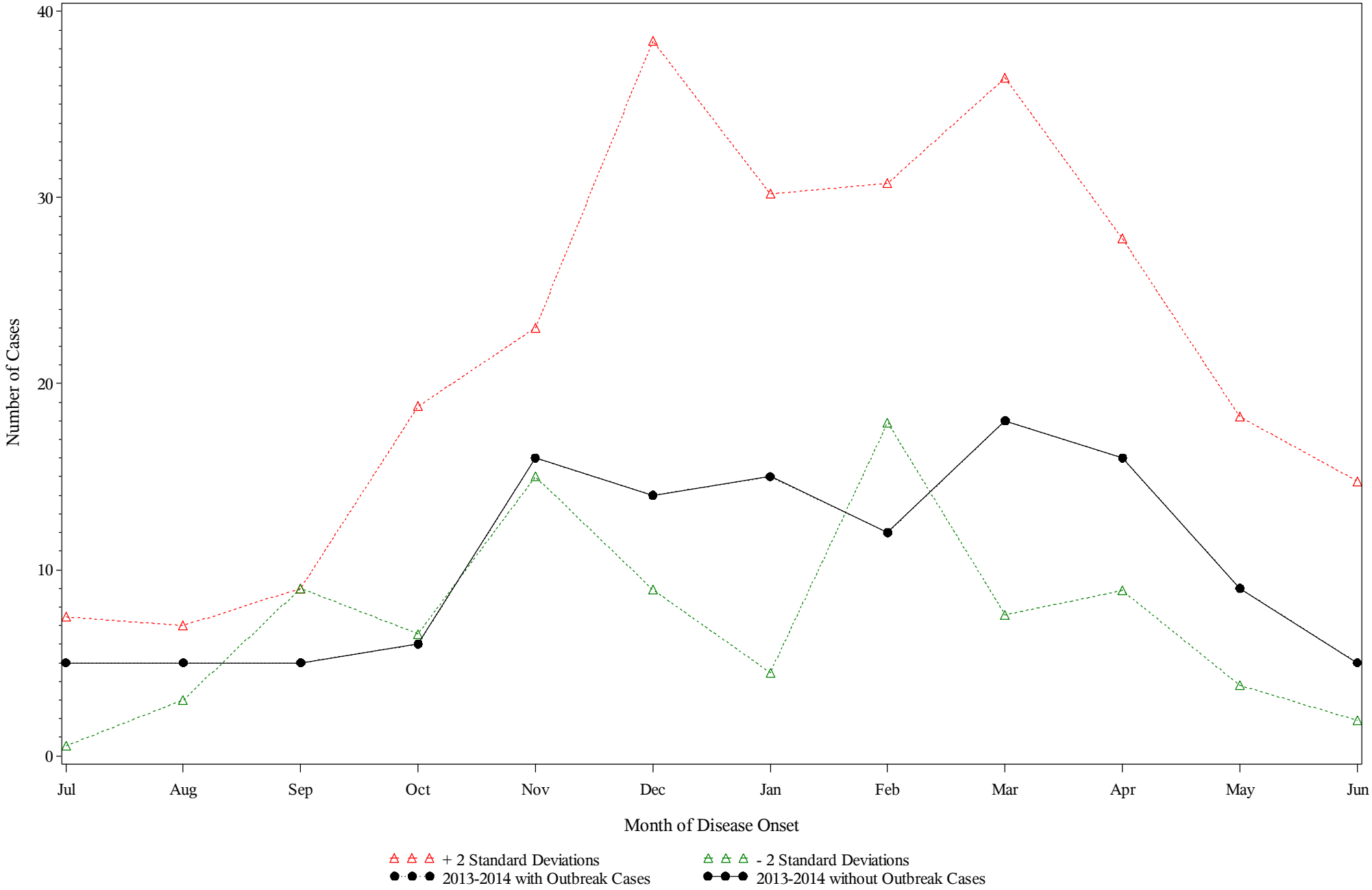
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

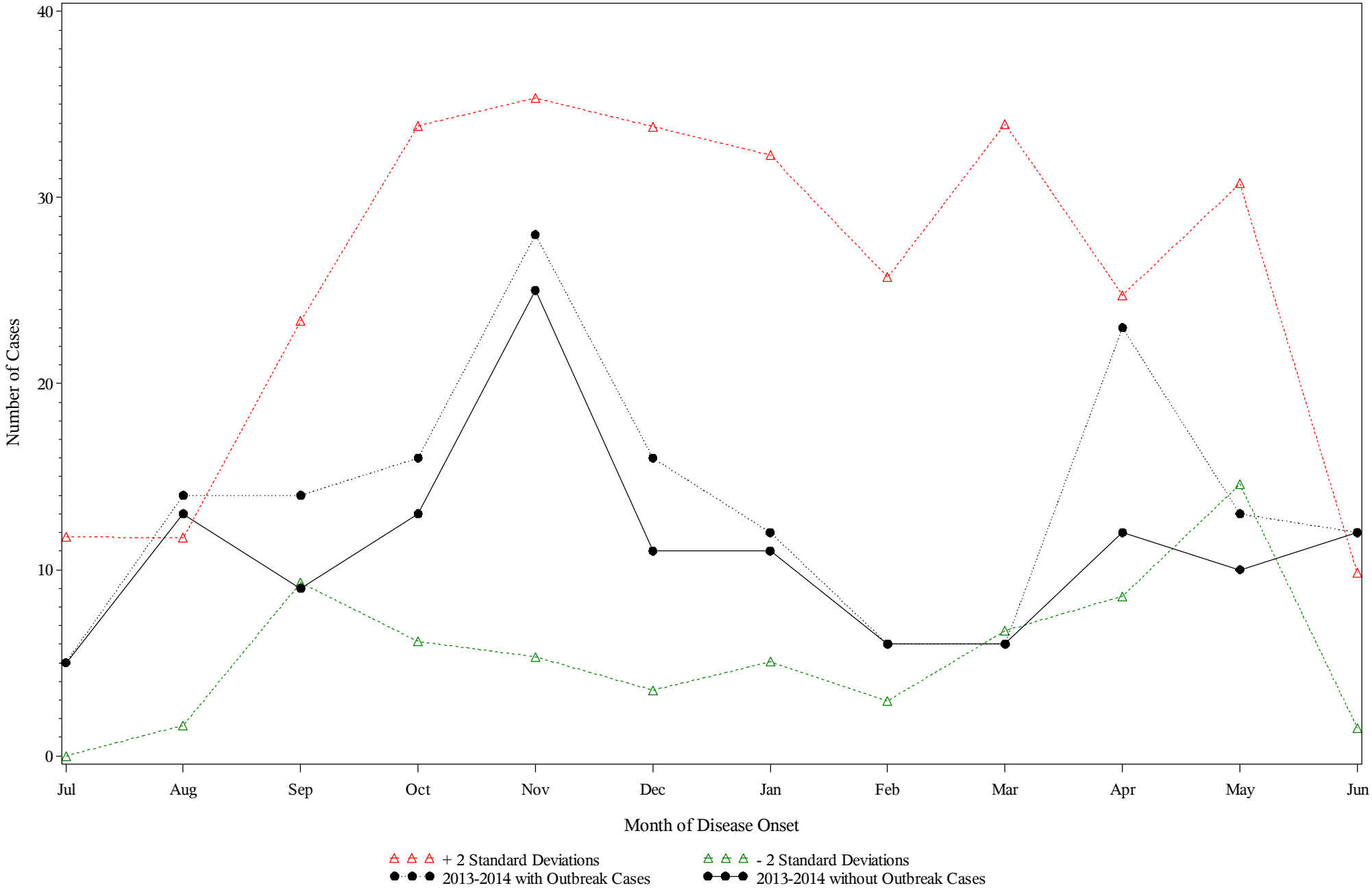
Central **Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown**



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

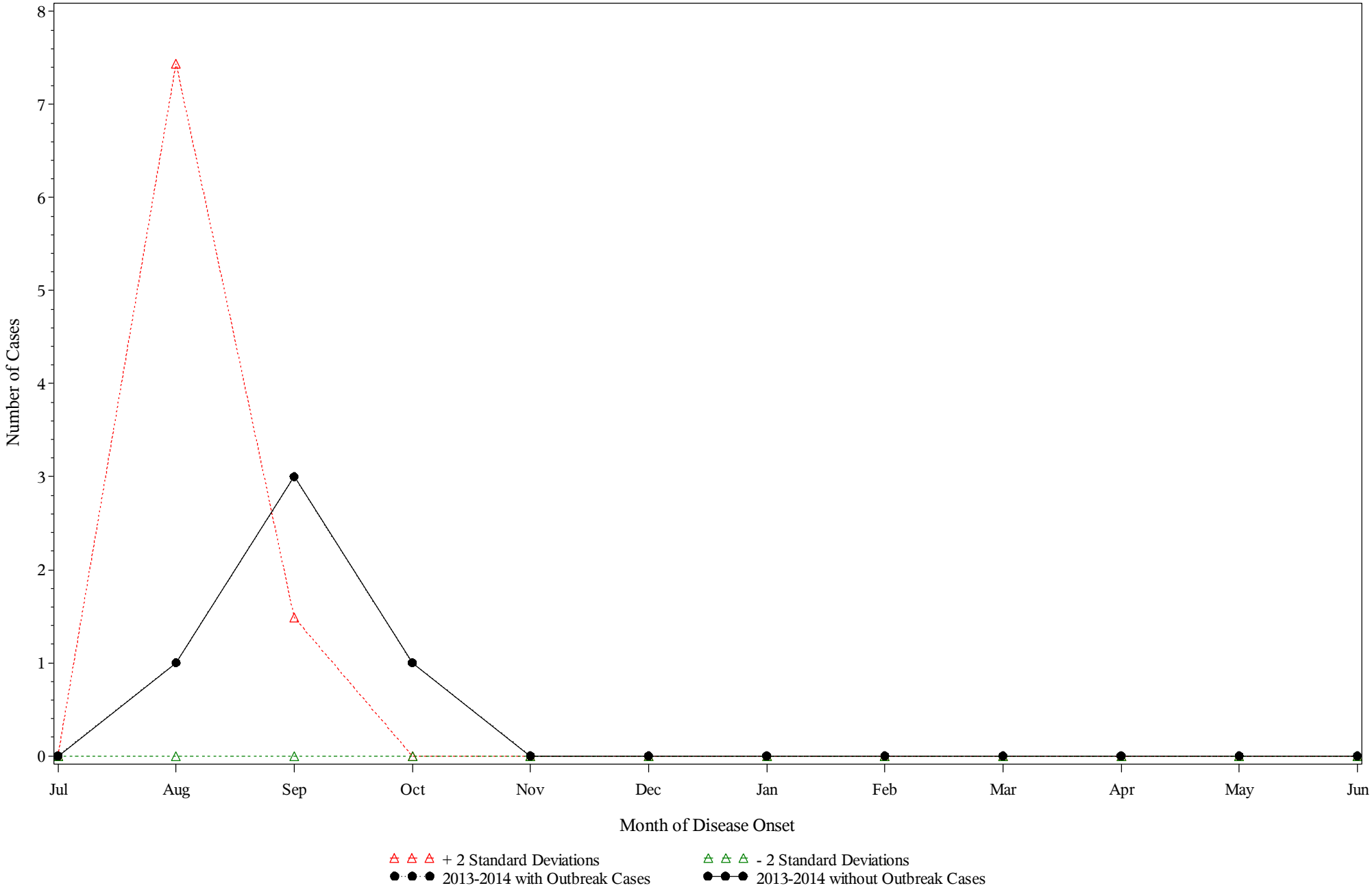
Central Varicella



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

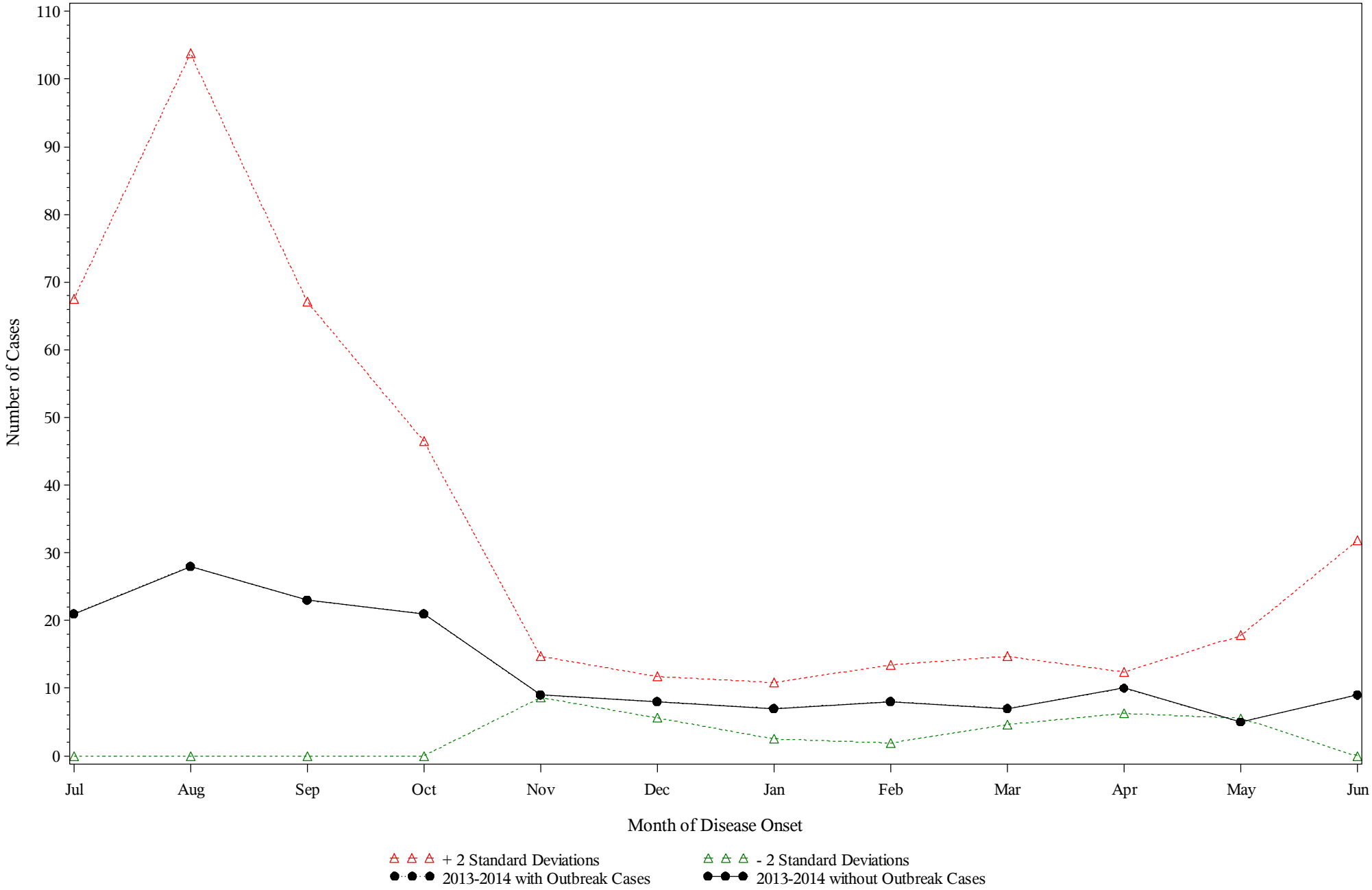
Central West Nile Virus Disease



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

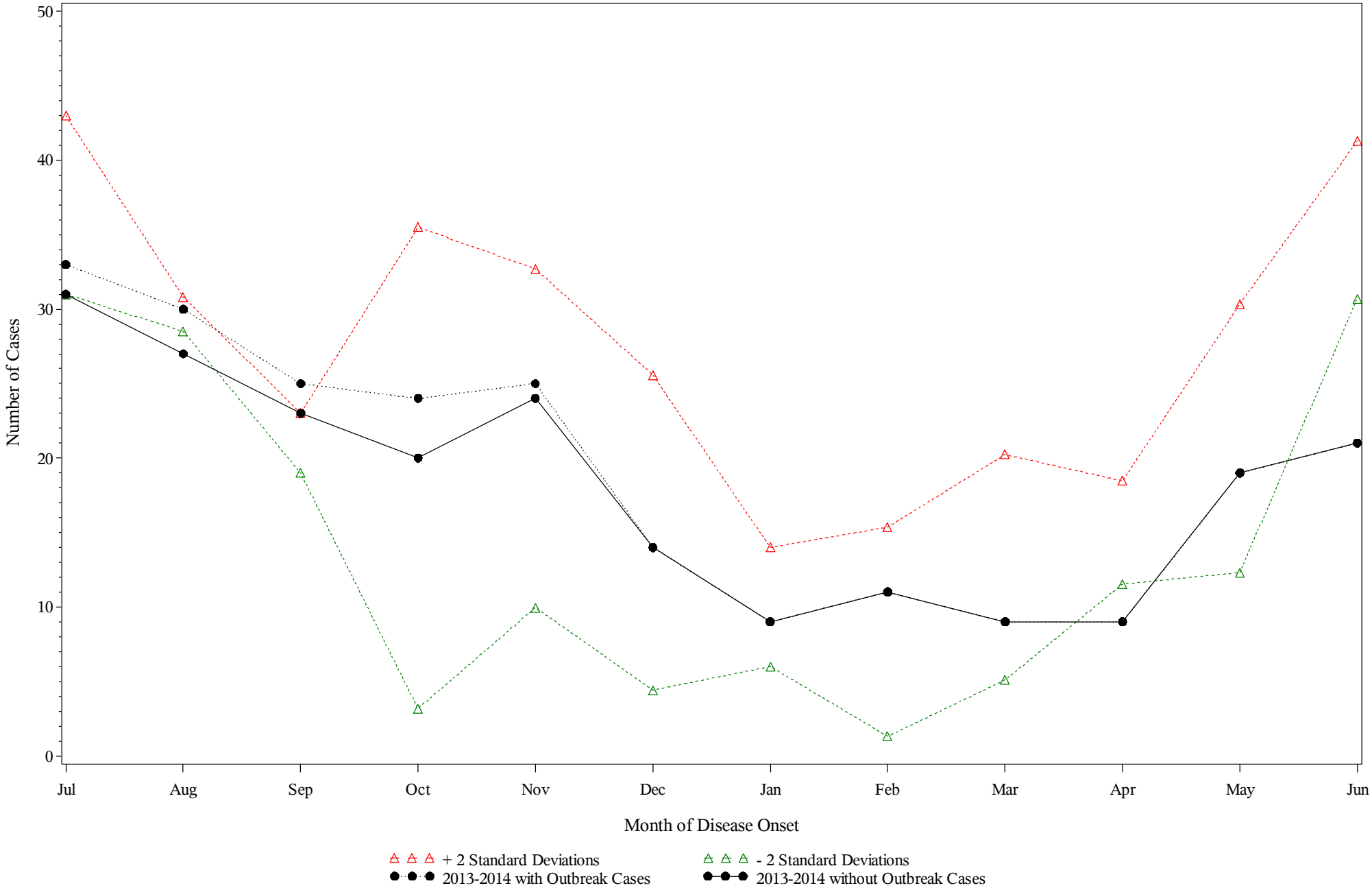
East Central Aseptic Meningitis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

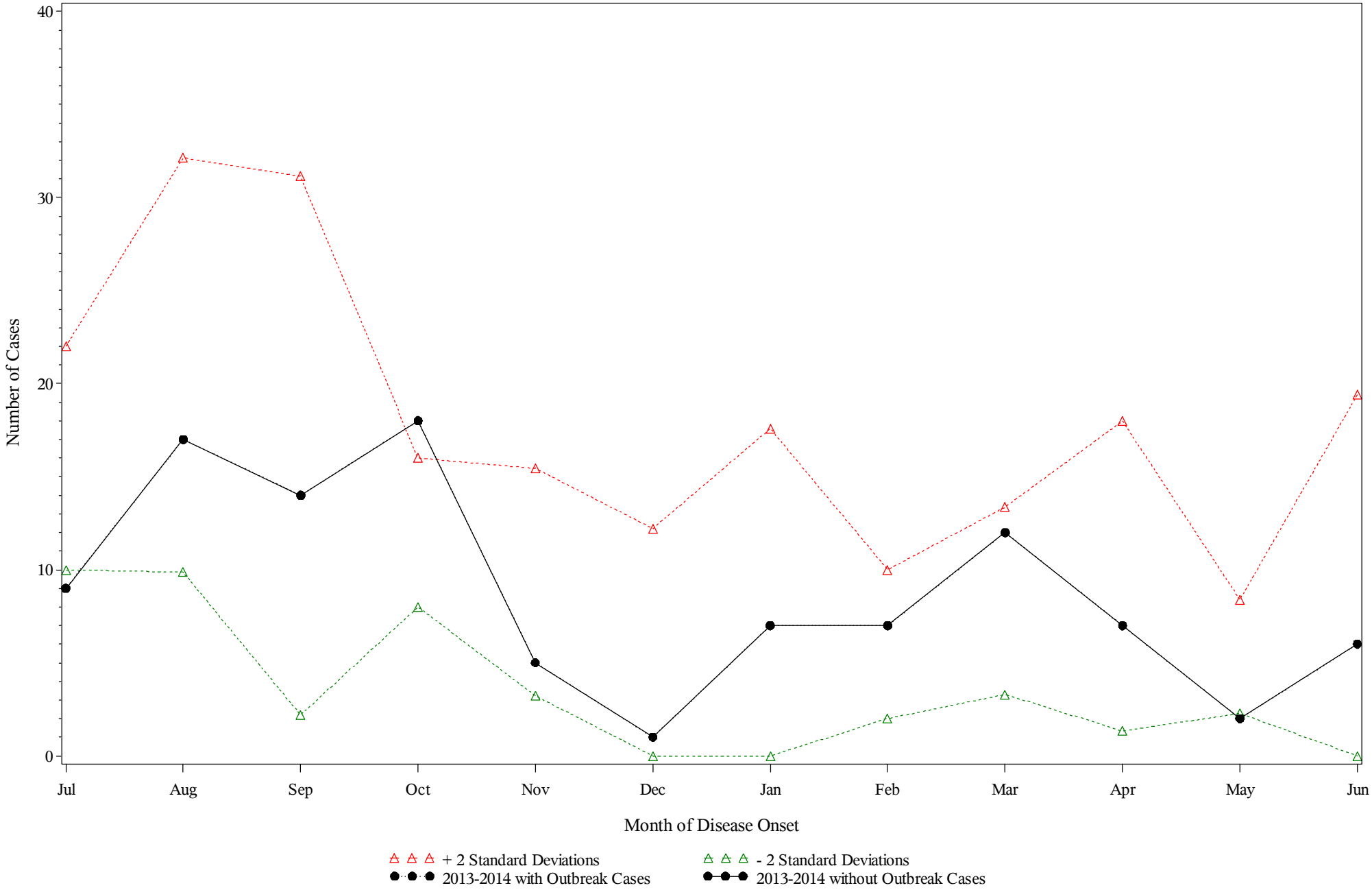
East Central Campylobacteriosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central Cryptosporidiosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
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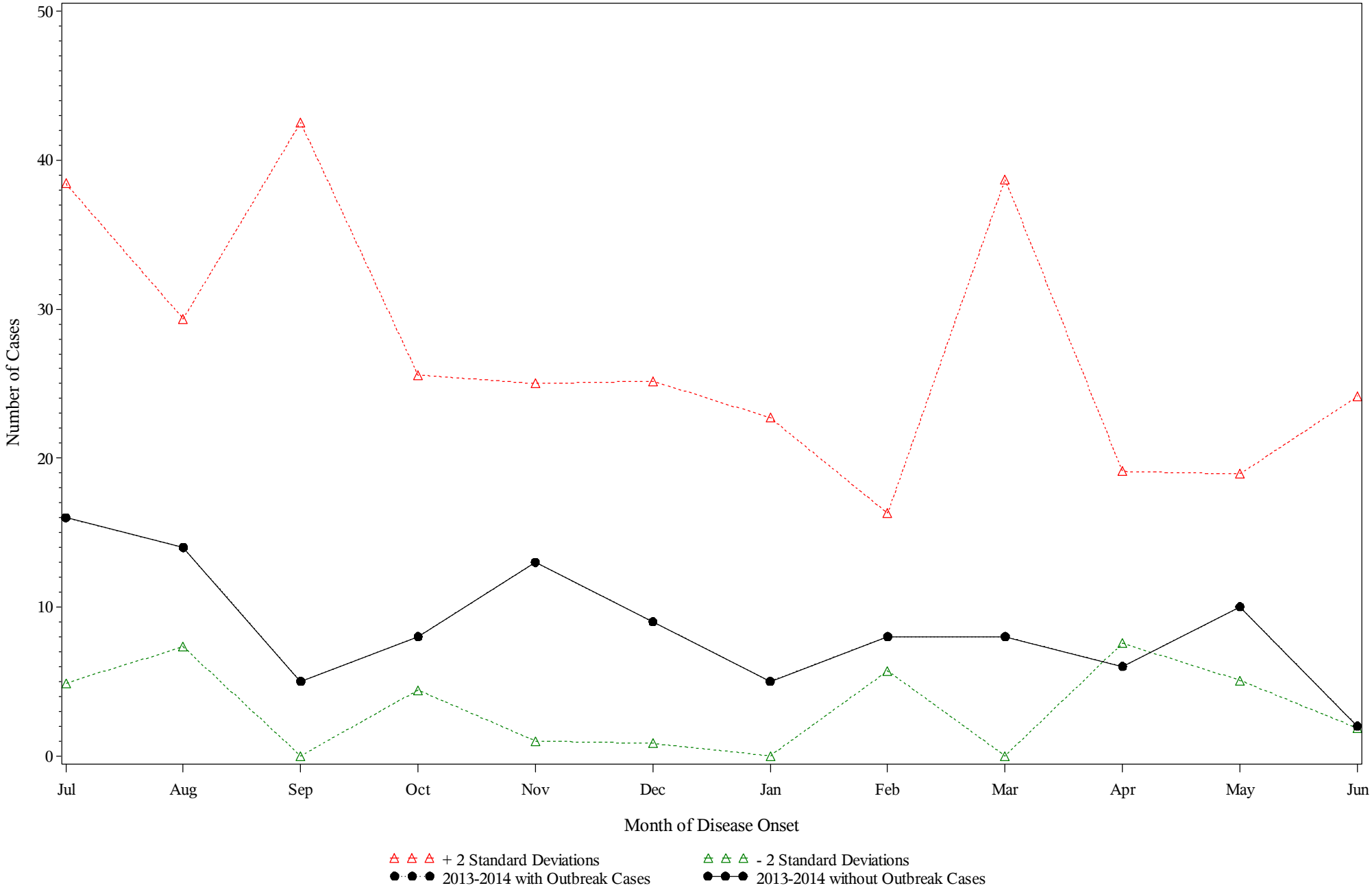
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central Giardiasis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
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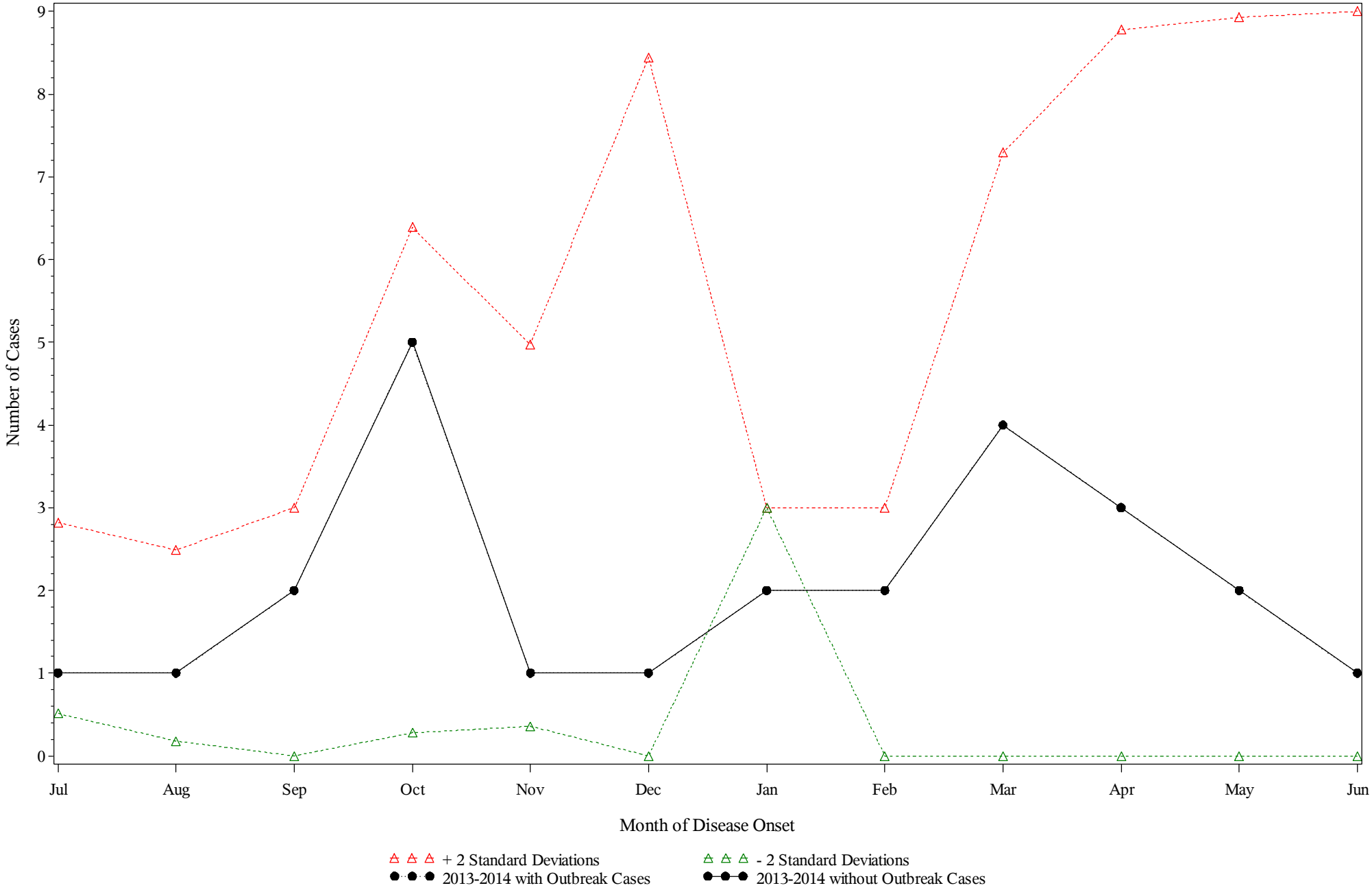
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

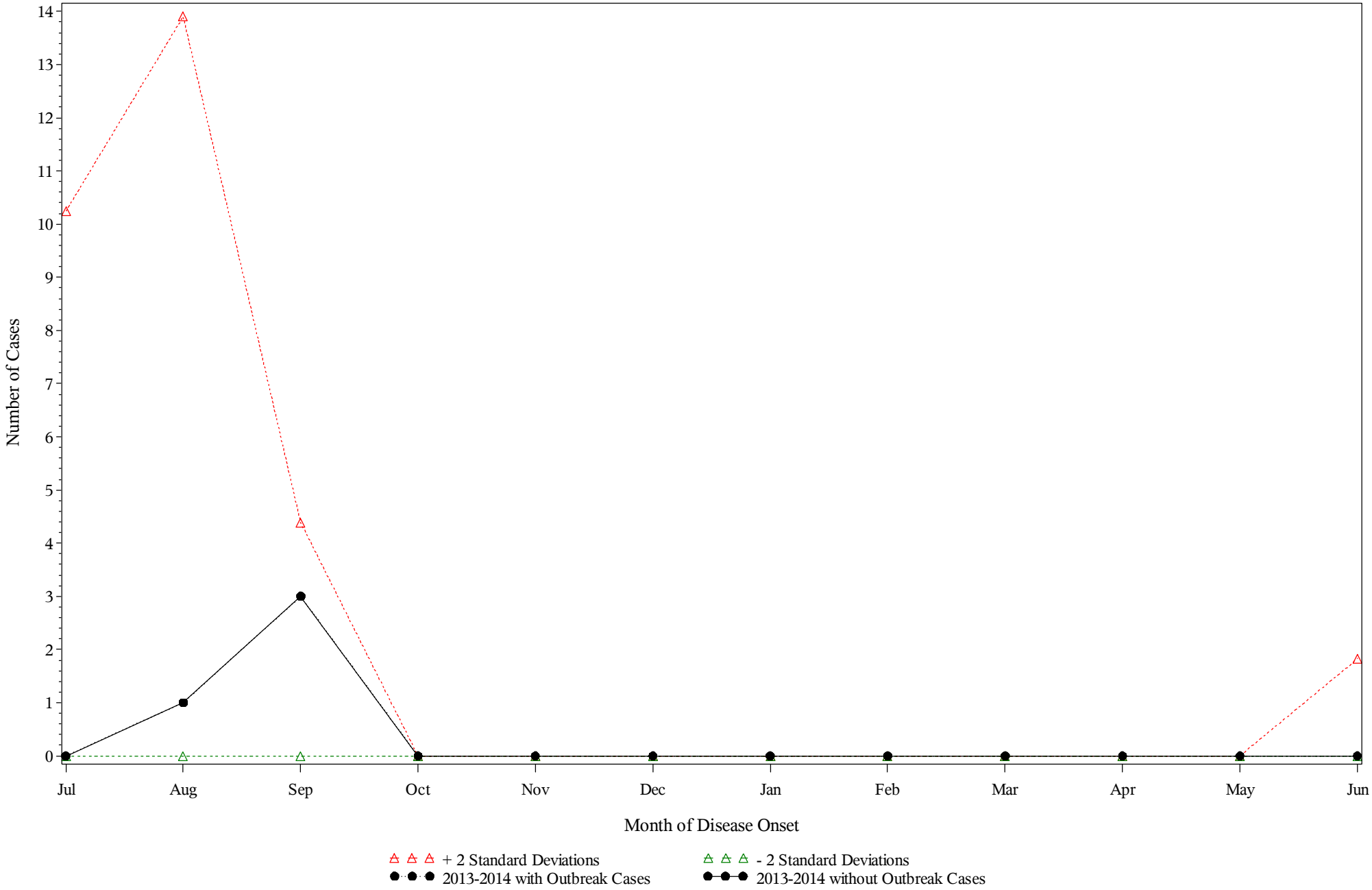
East Central **Haemophilus influenzae, Invasive**



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

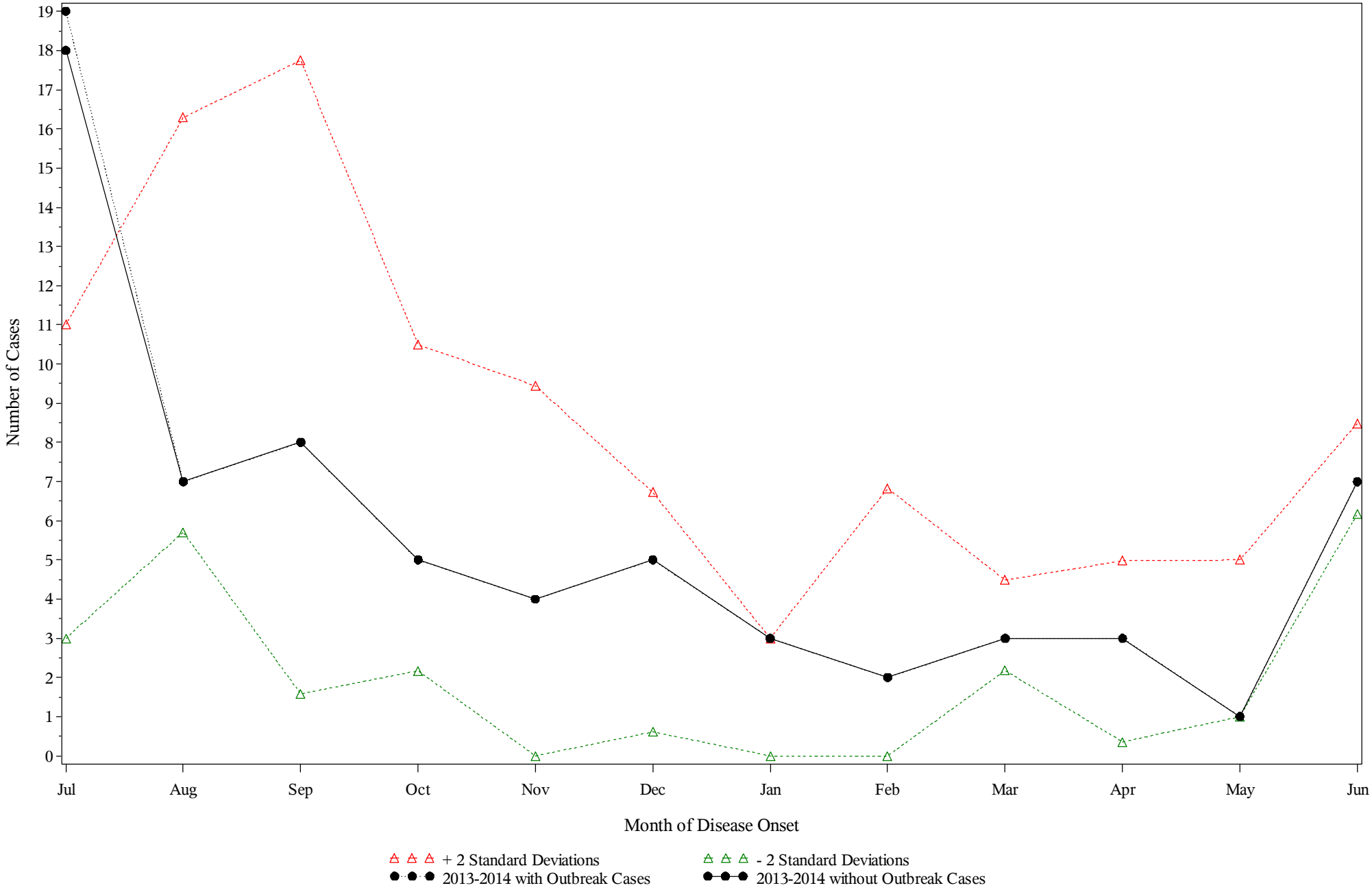
East Central LaCrosse Virus Disease



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

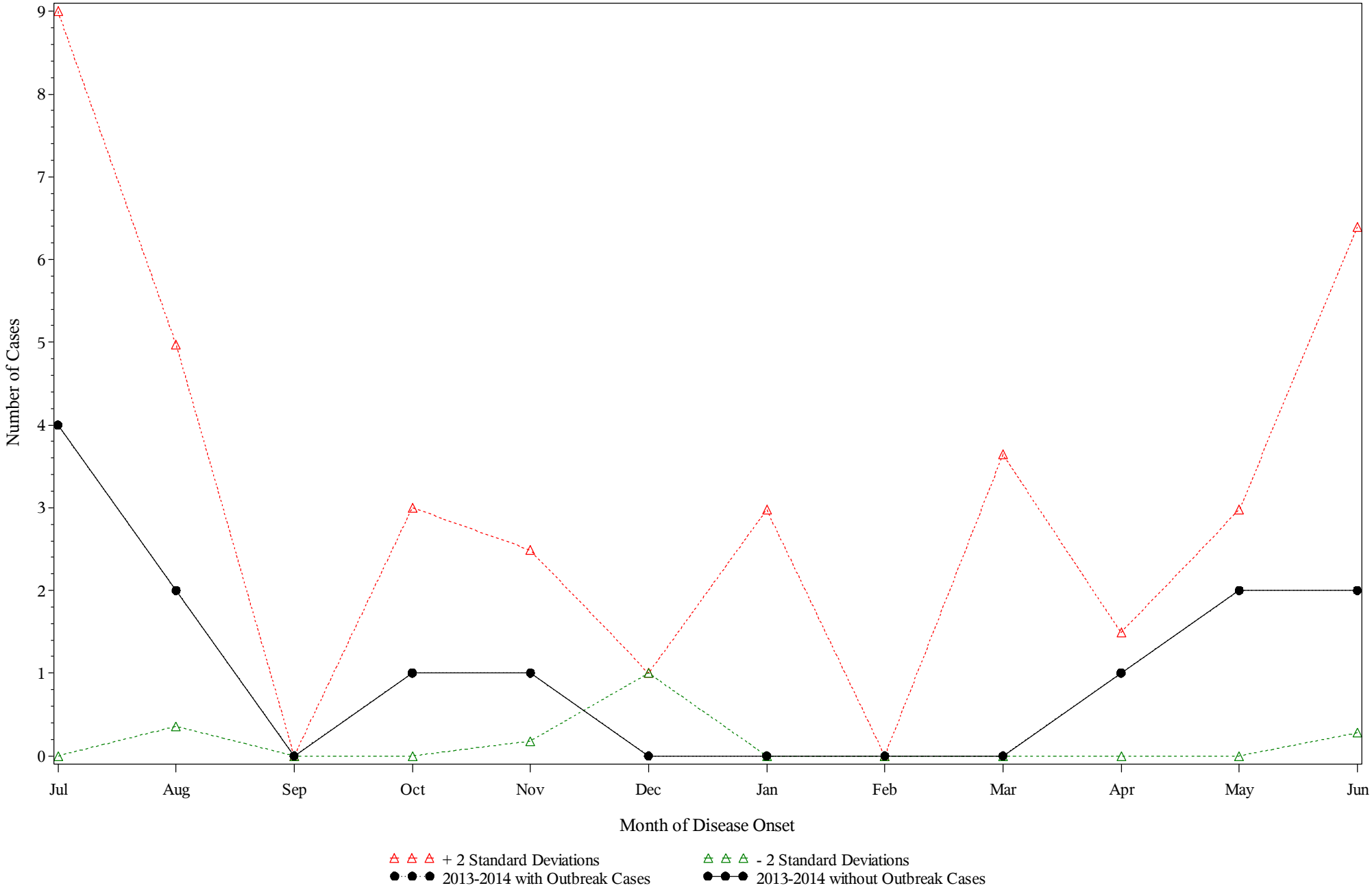
East Central Legionellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central Lyme Disease



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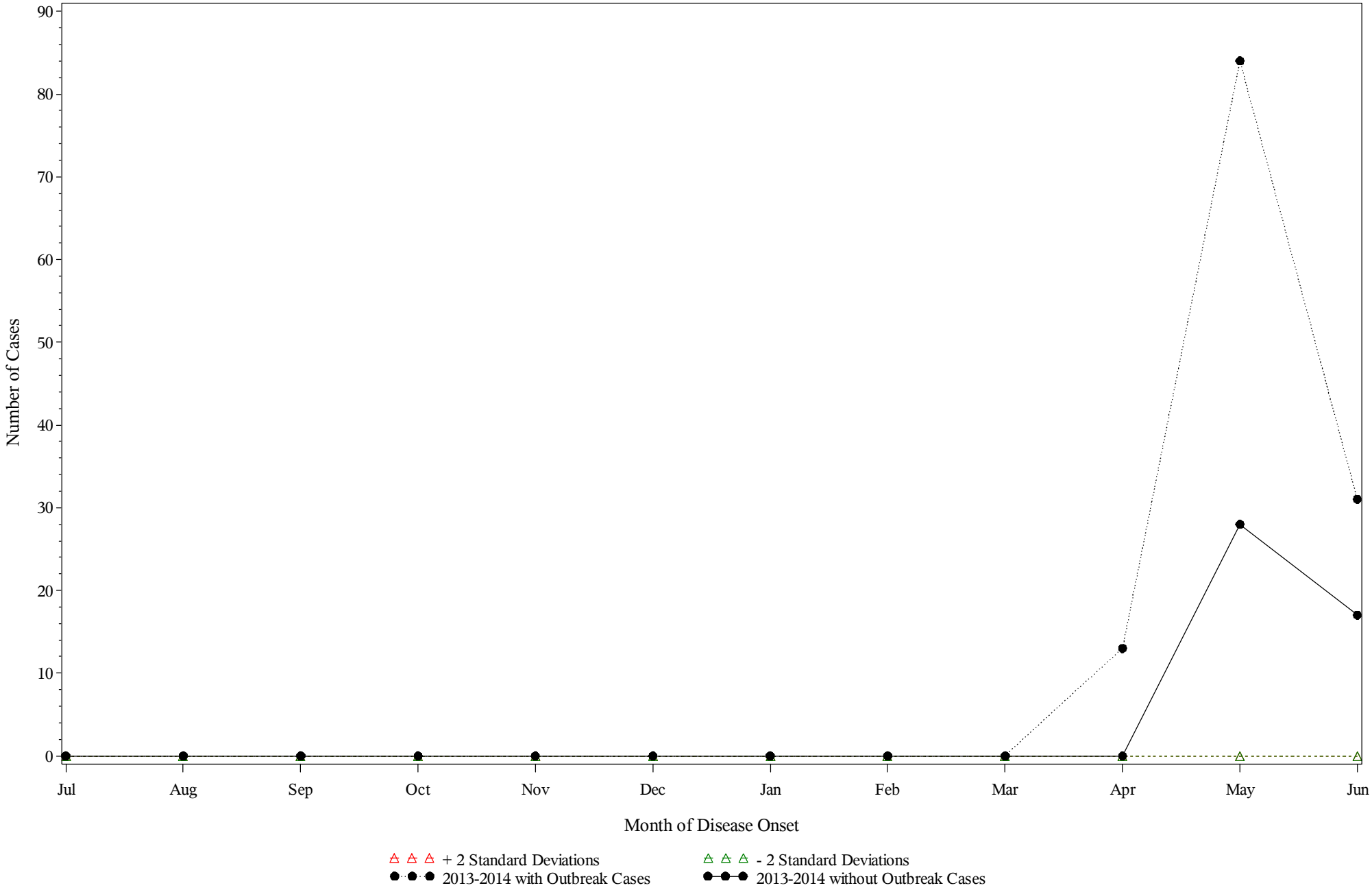
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

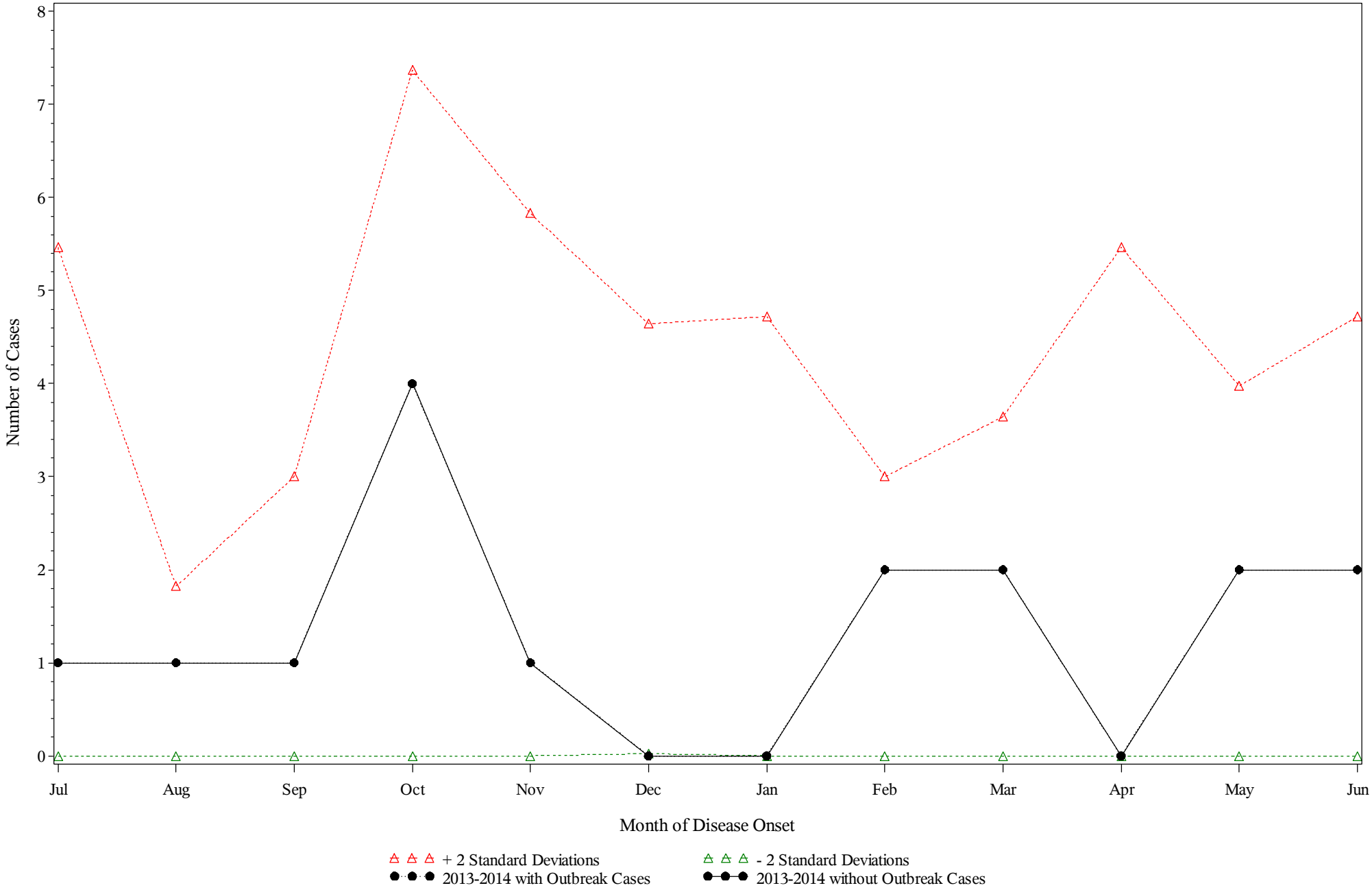
East Central Measles



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

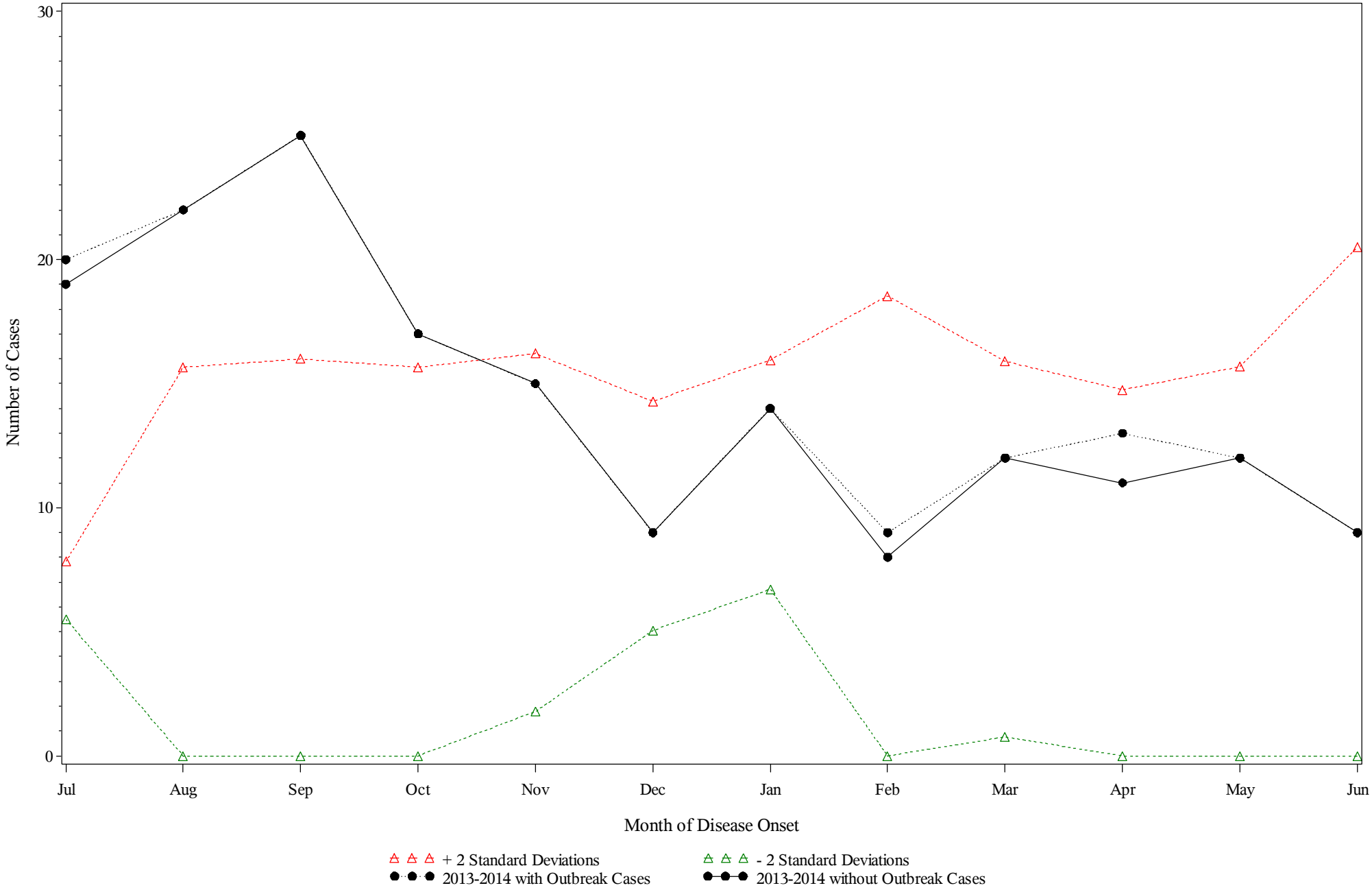
East Central Bacterial Meningitis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

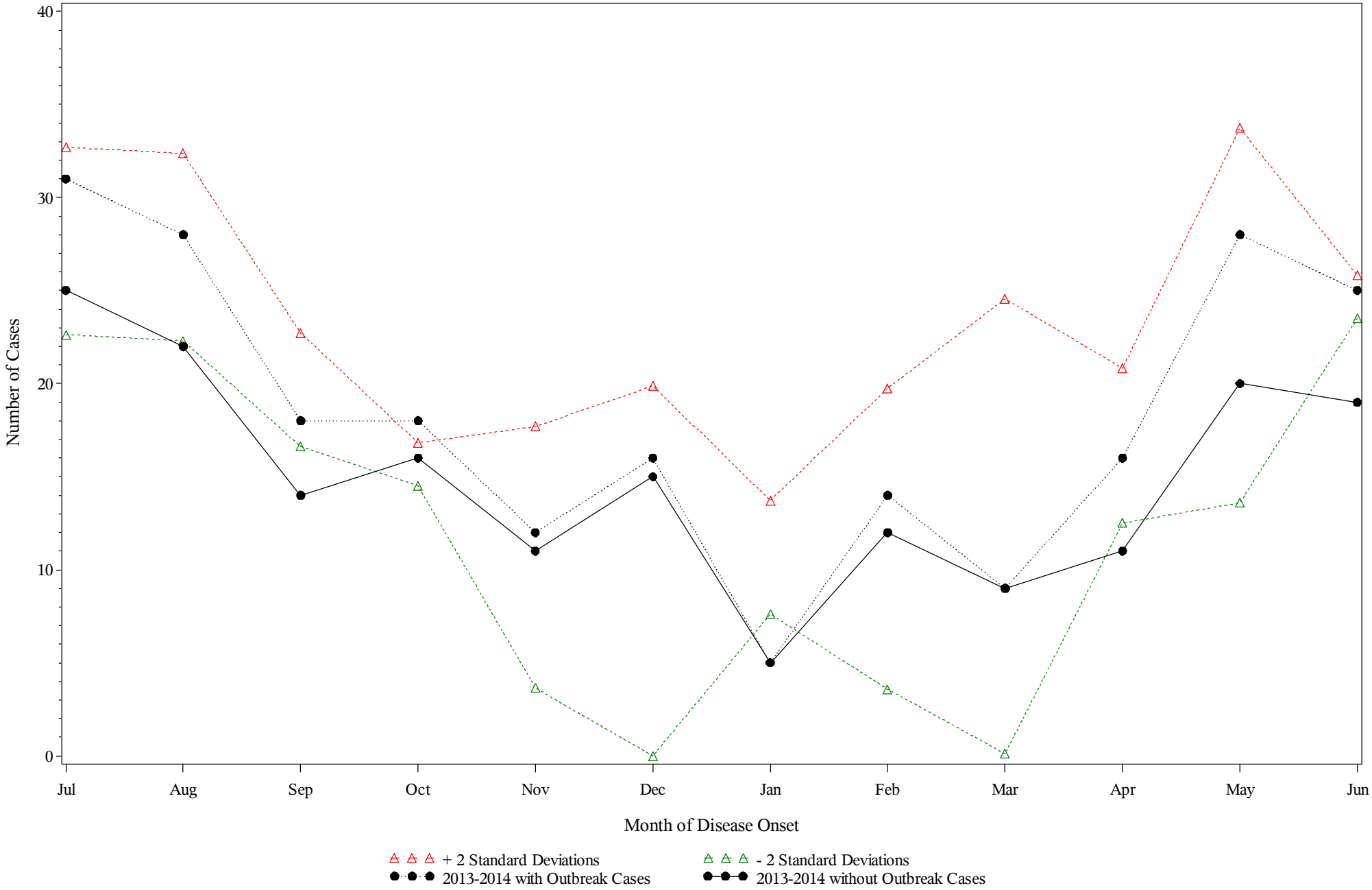
East Central Pertussis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

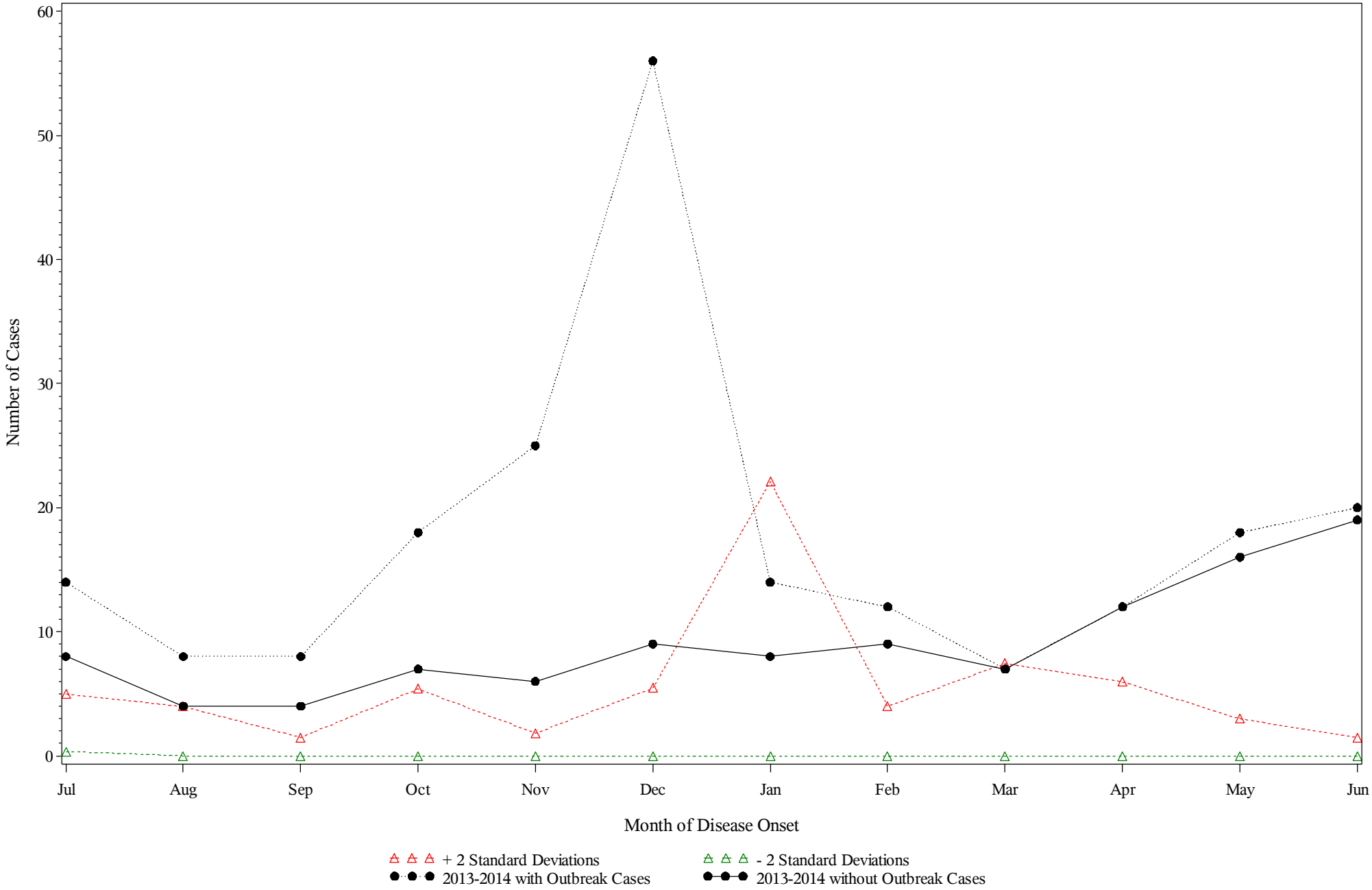
East Central Salmonellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

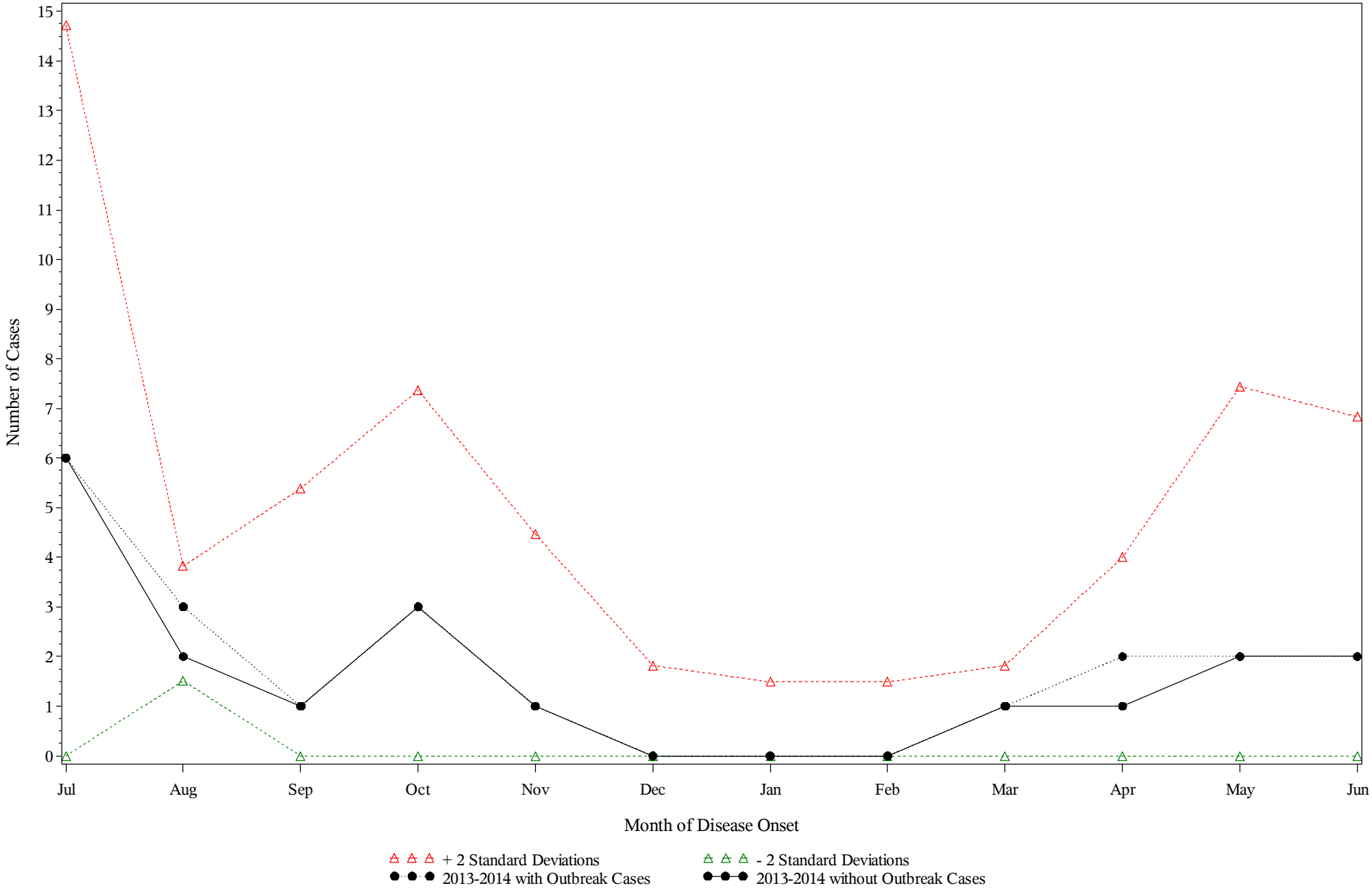
East Central Shigellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central Shiga Toxin-Producing Escherichia coli



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
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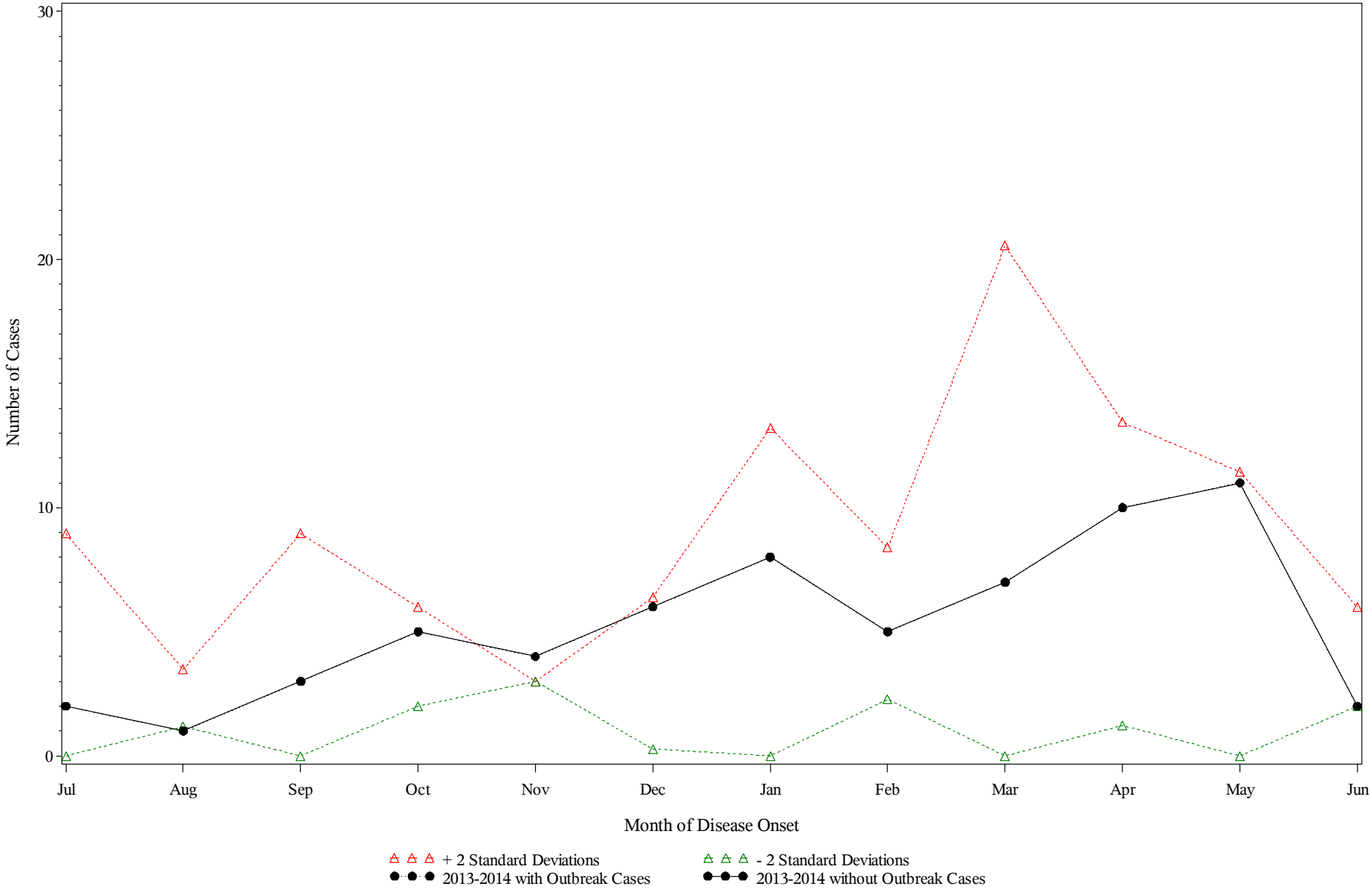
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central Streptococcal Disease, Group A, Invasive



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Current as of 07/20/2014
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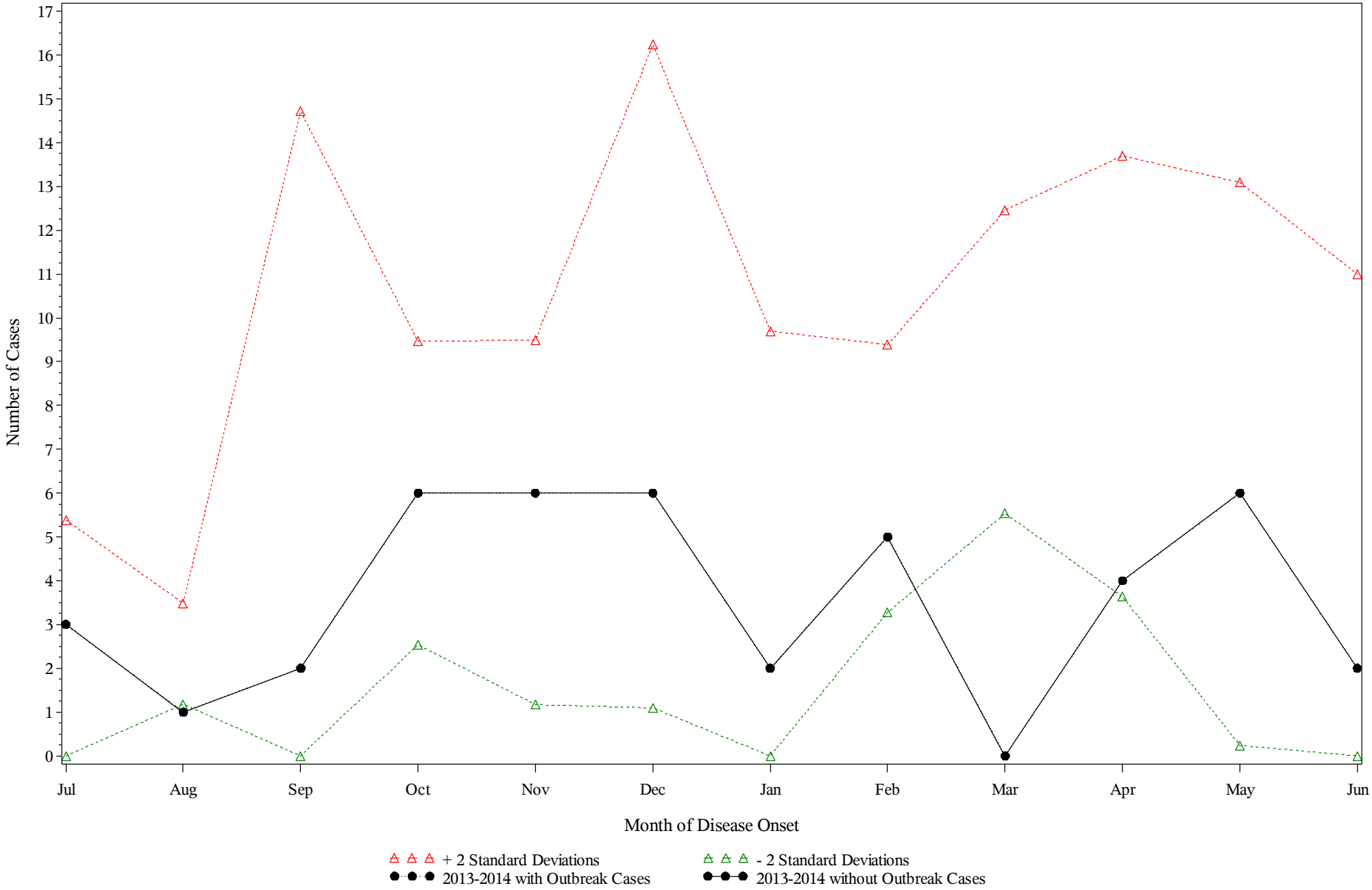
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central **Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate**



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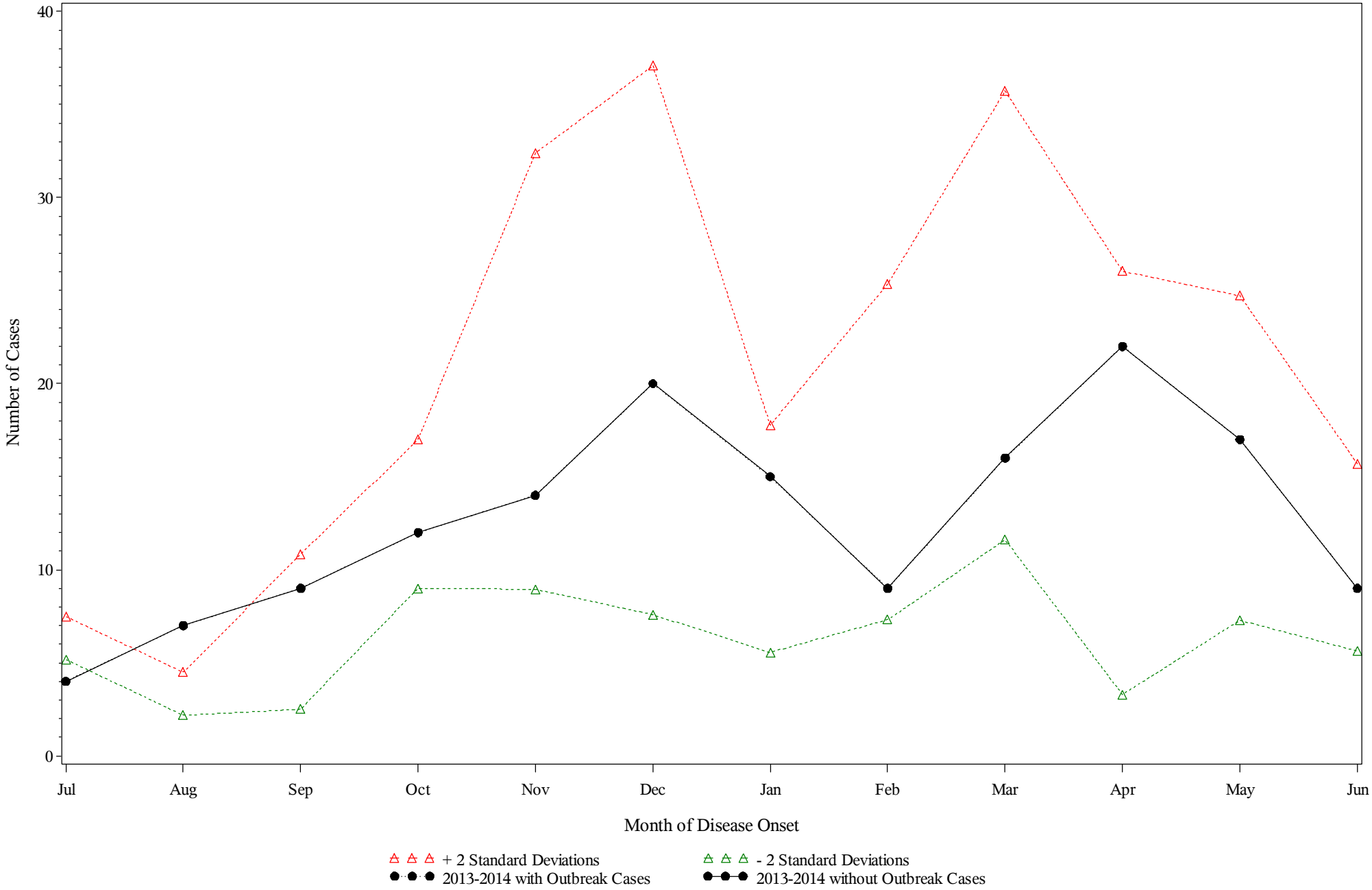
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

East Central **Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown**



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Current as of 07/20/2014
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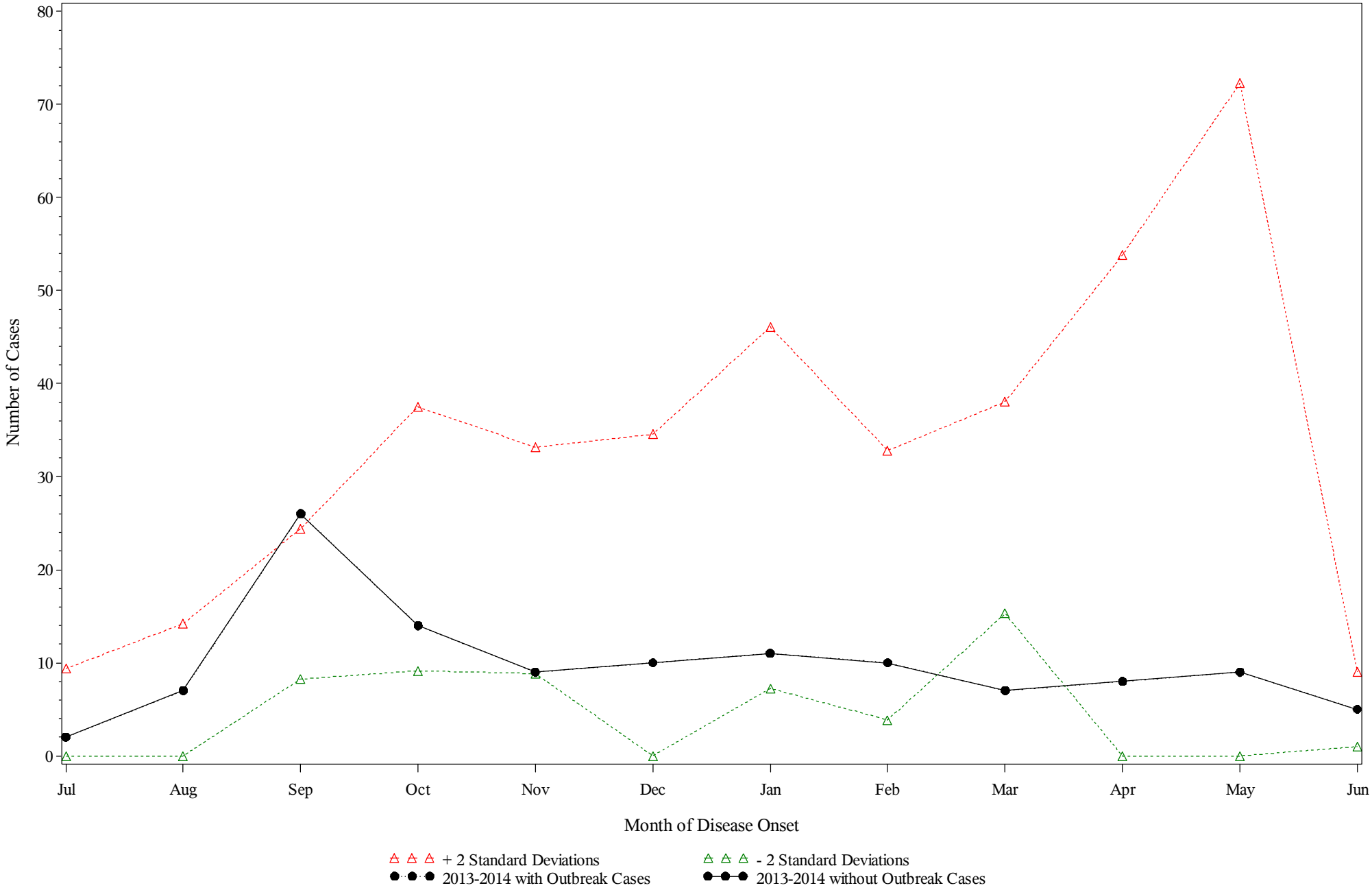
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

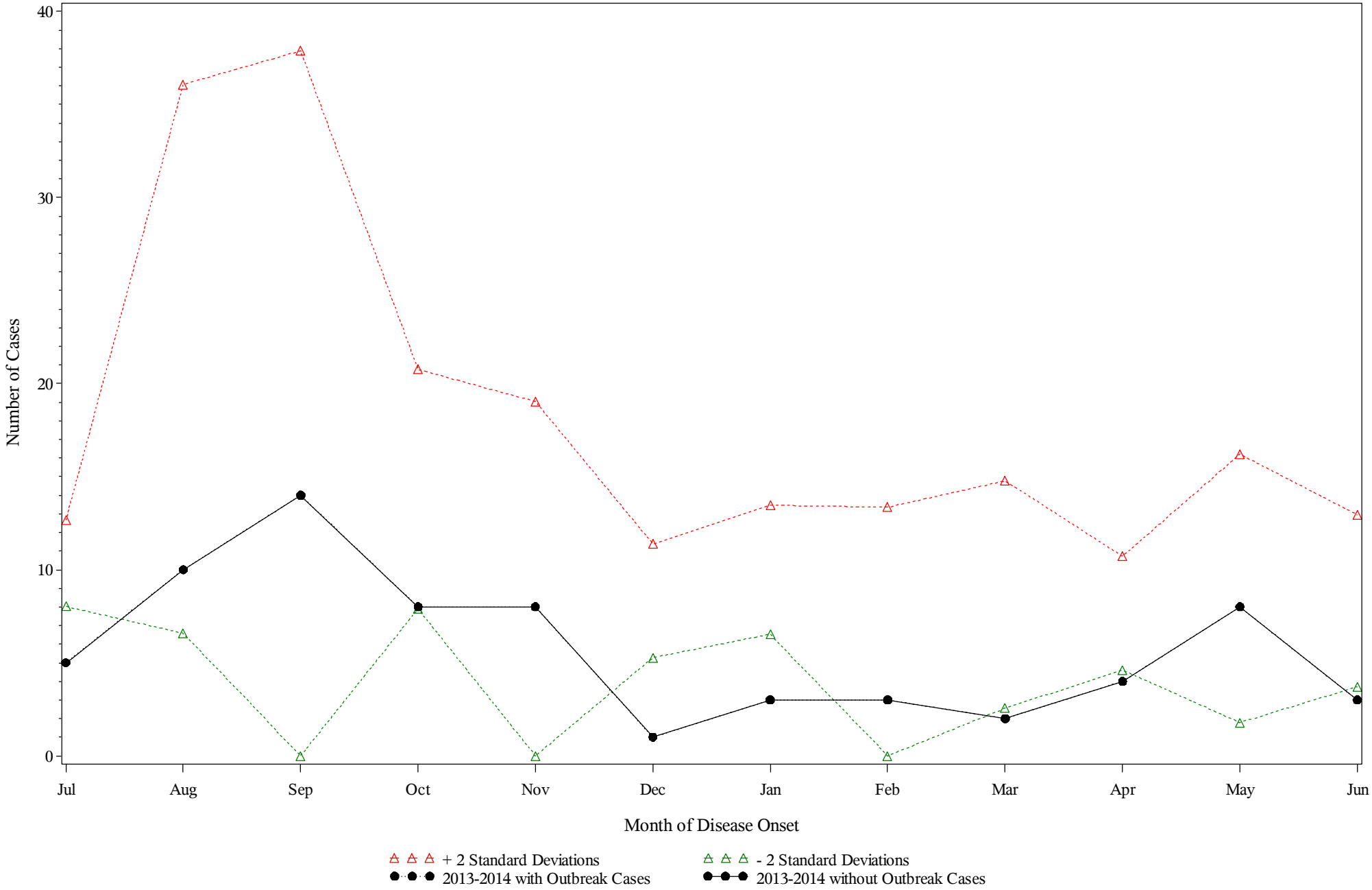
East Central Varicella



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Aseptic Meningitis



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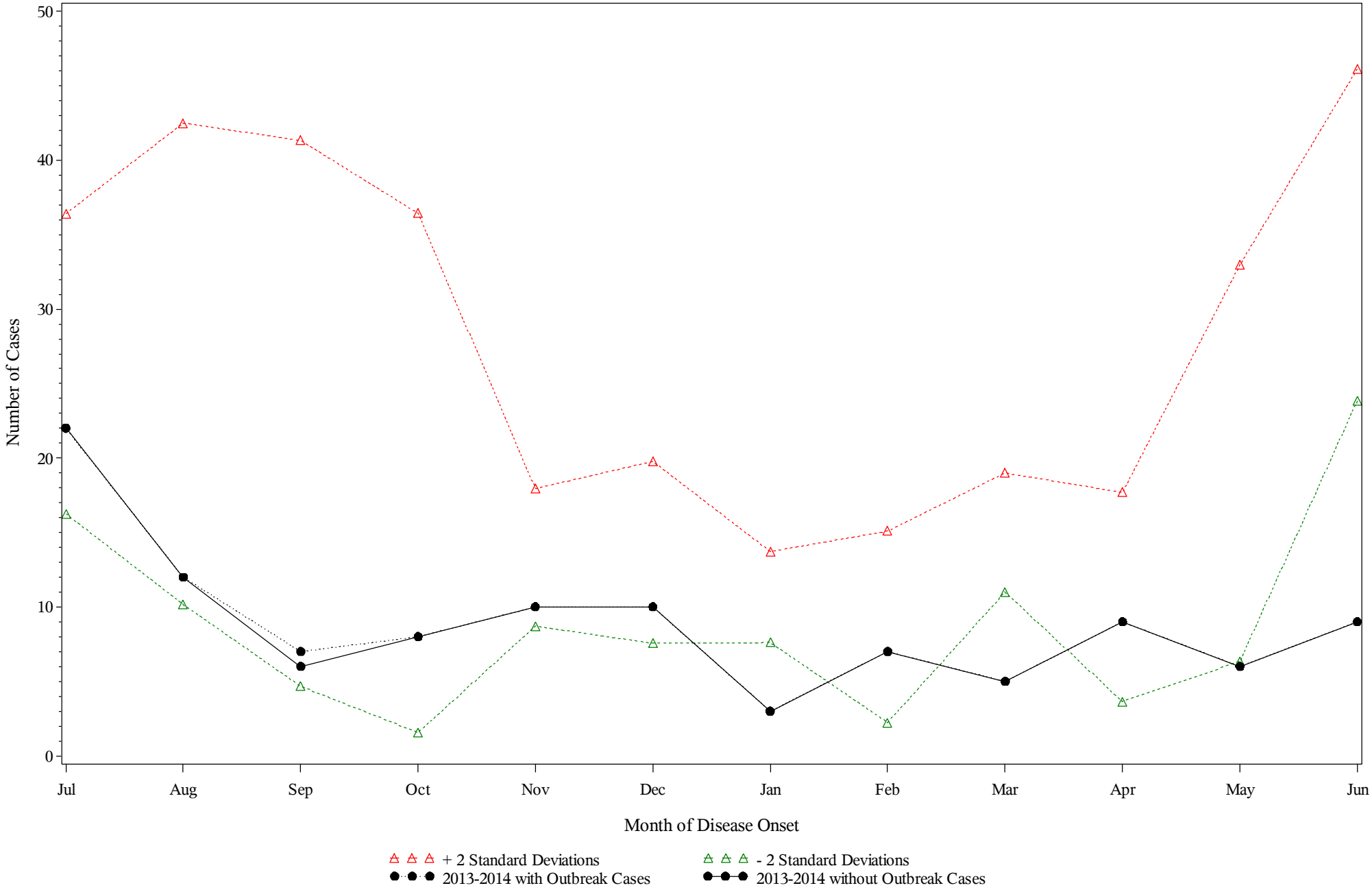
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Campylobacteriosis



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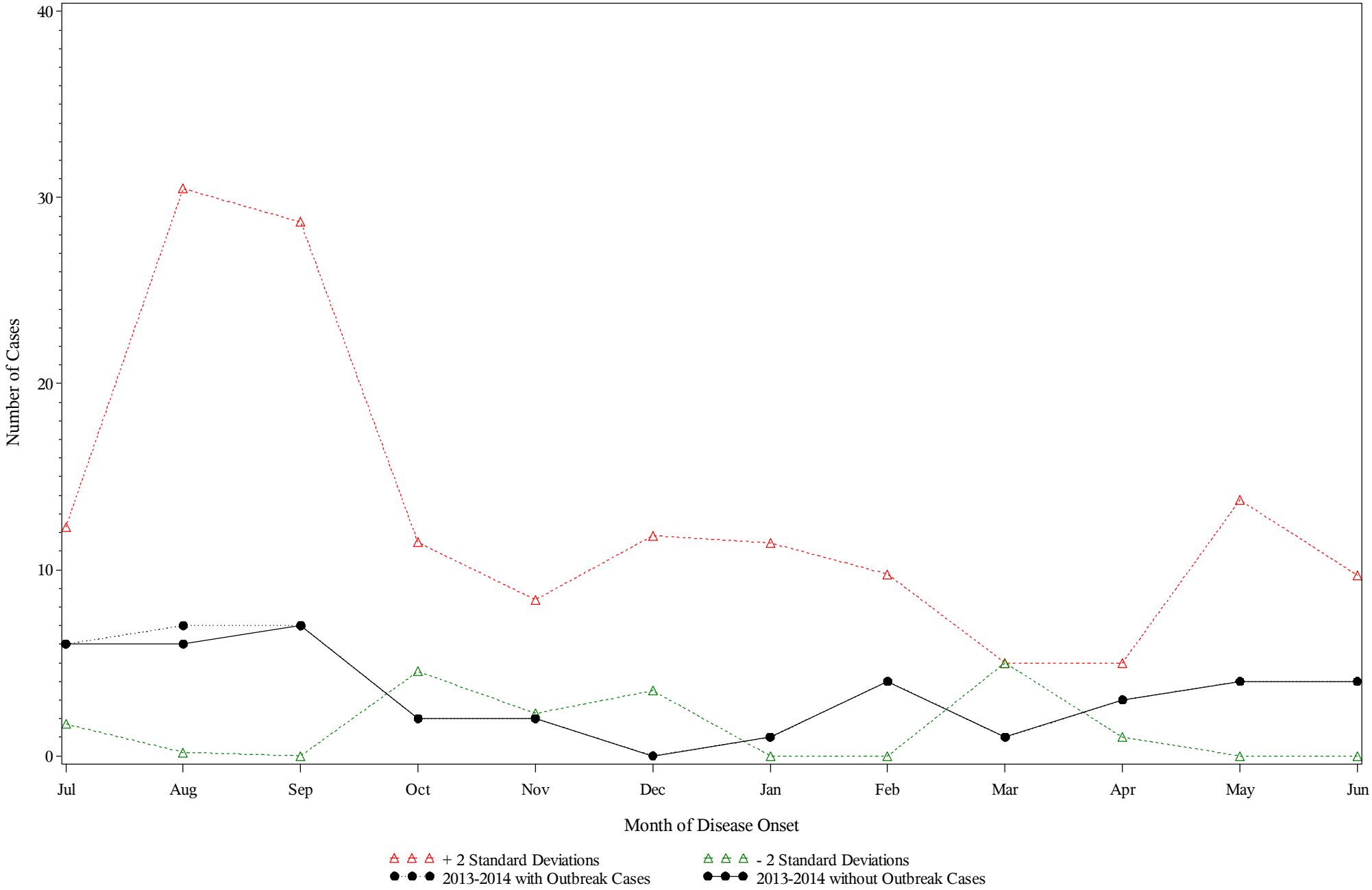
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Cryptosporidiosis



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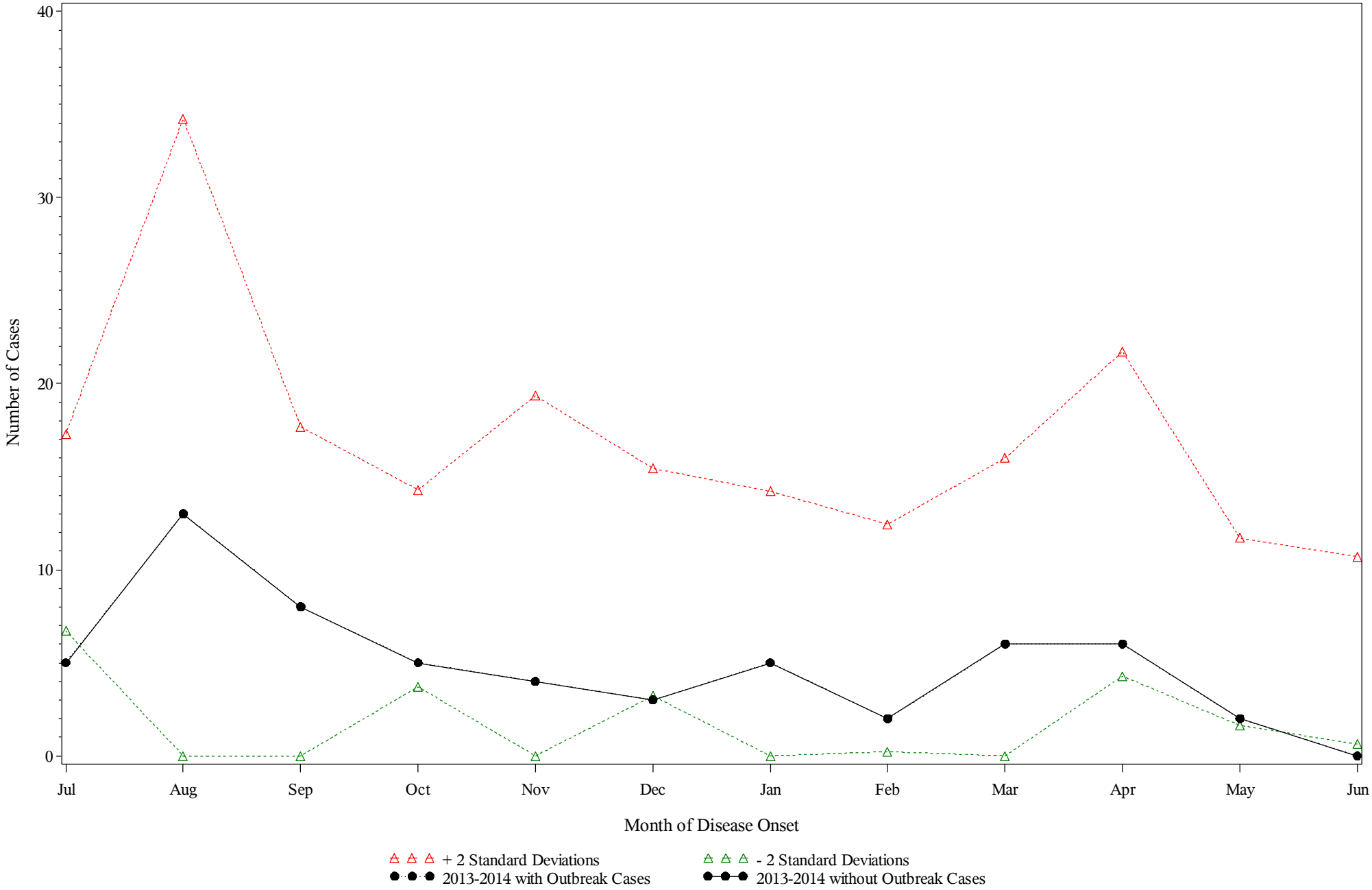
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Giardiasis



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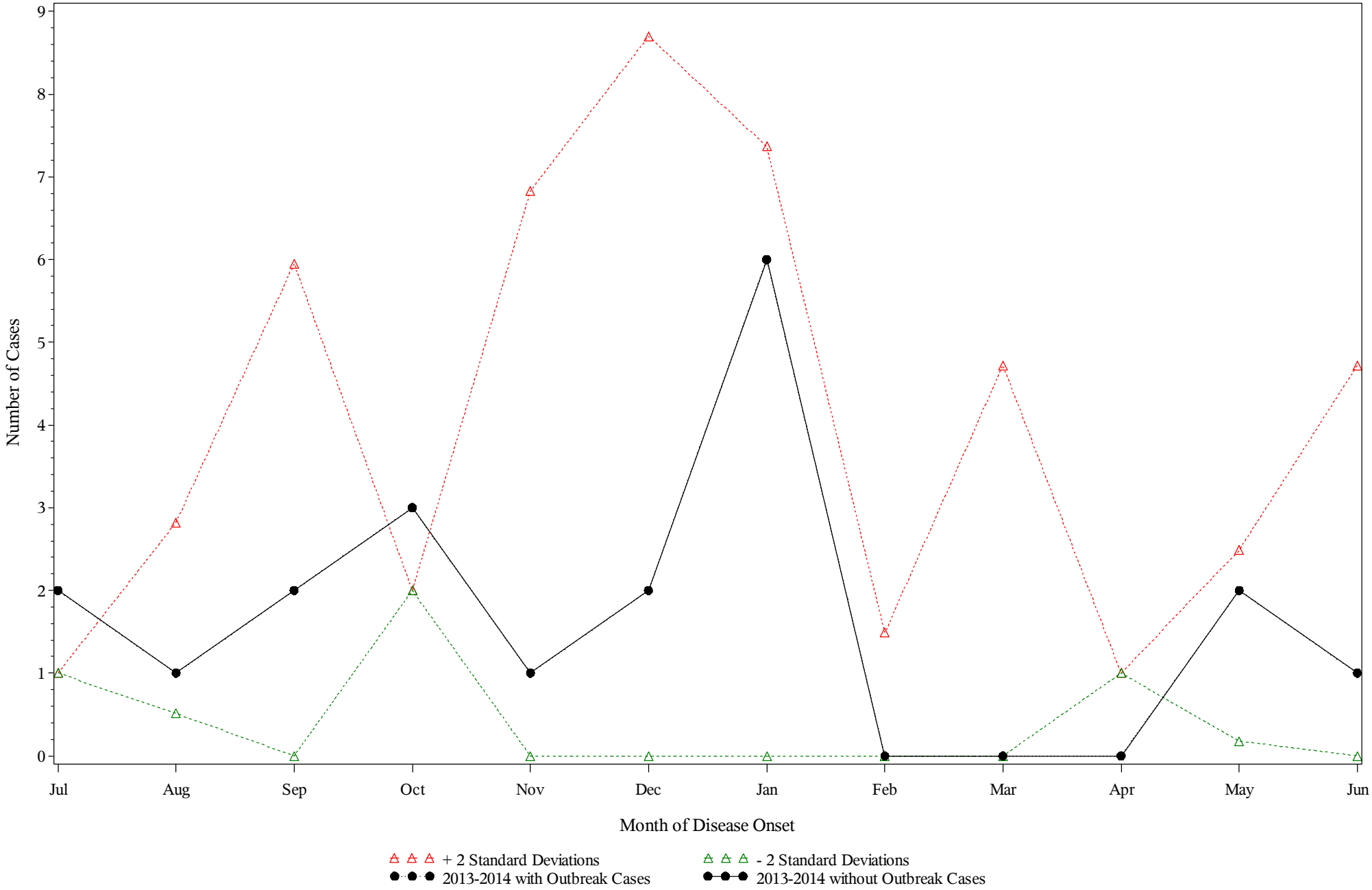
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Haemophilus influenzae, Invasive



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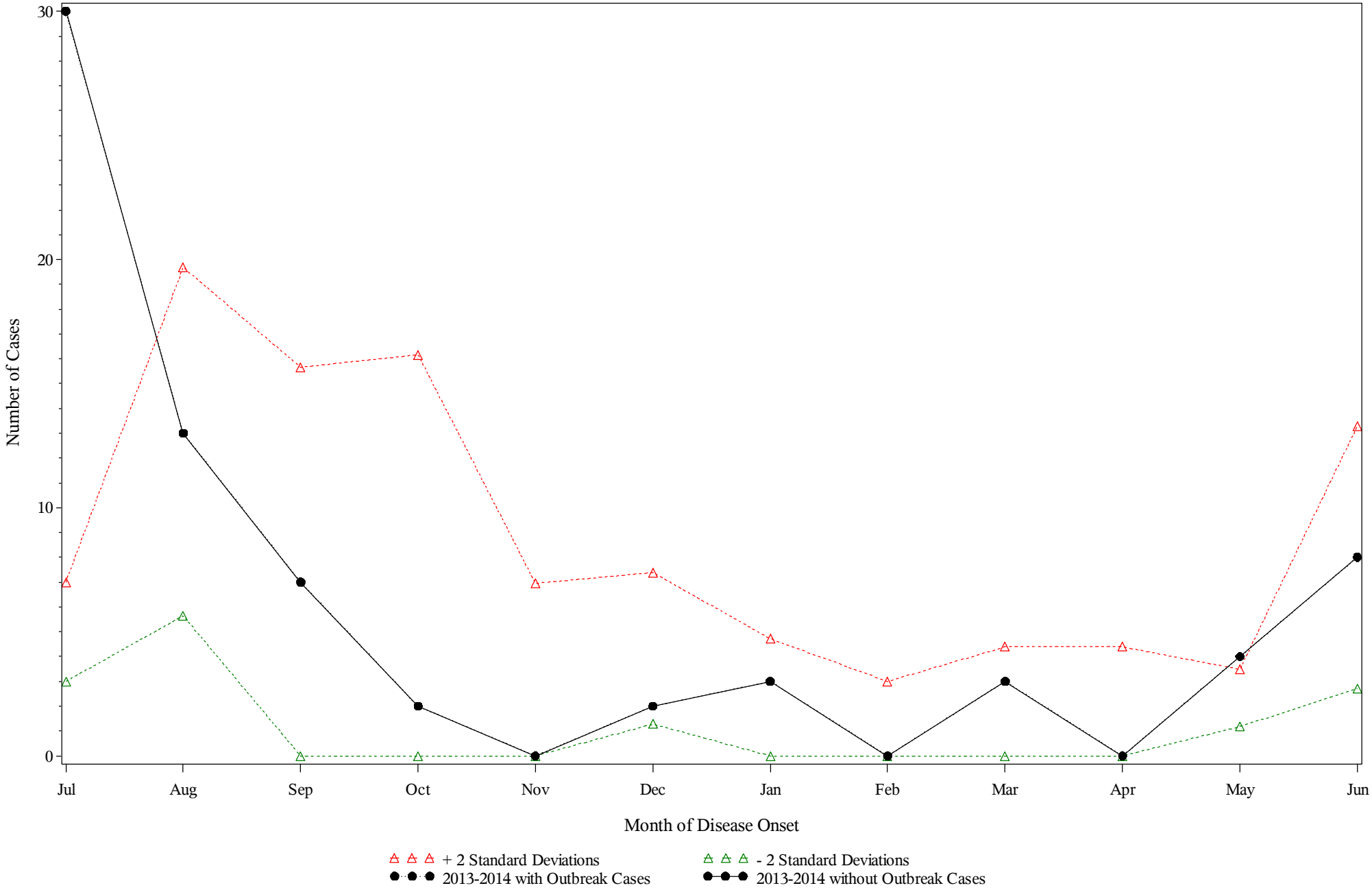
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Legionellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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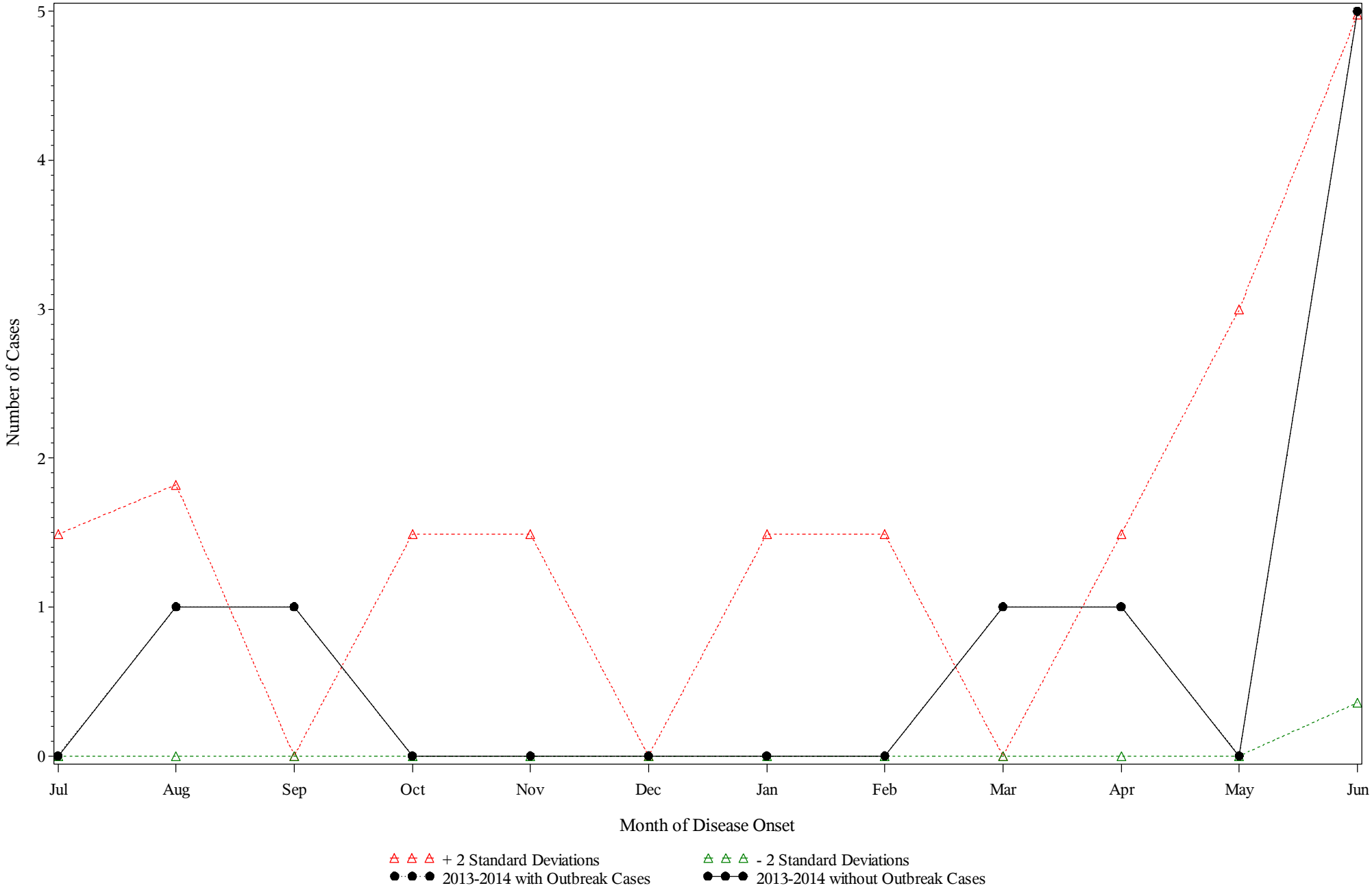
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Lyme Disease



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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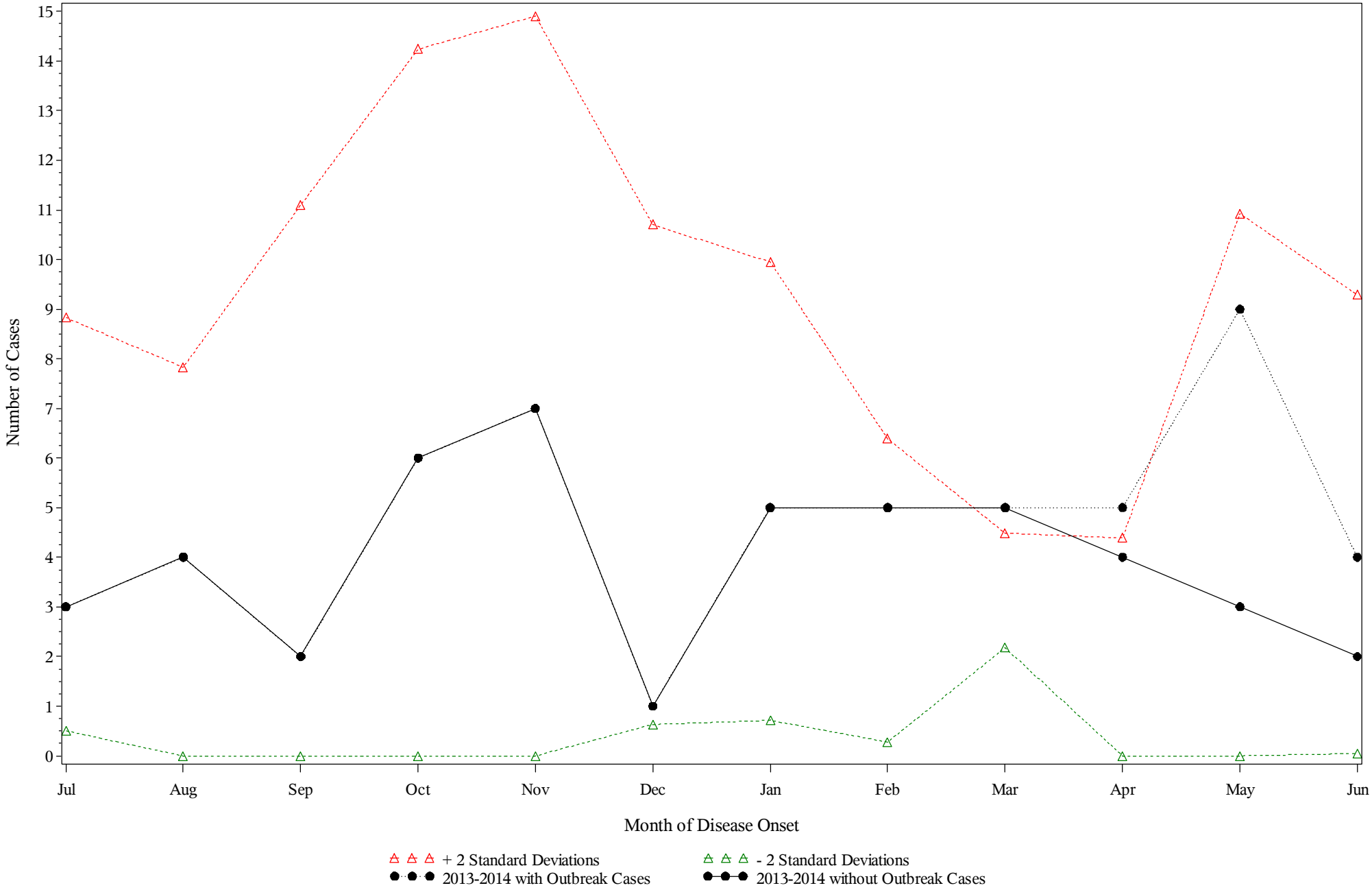
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Pertussis



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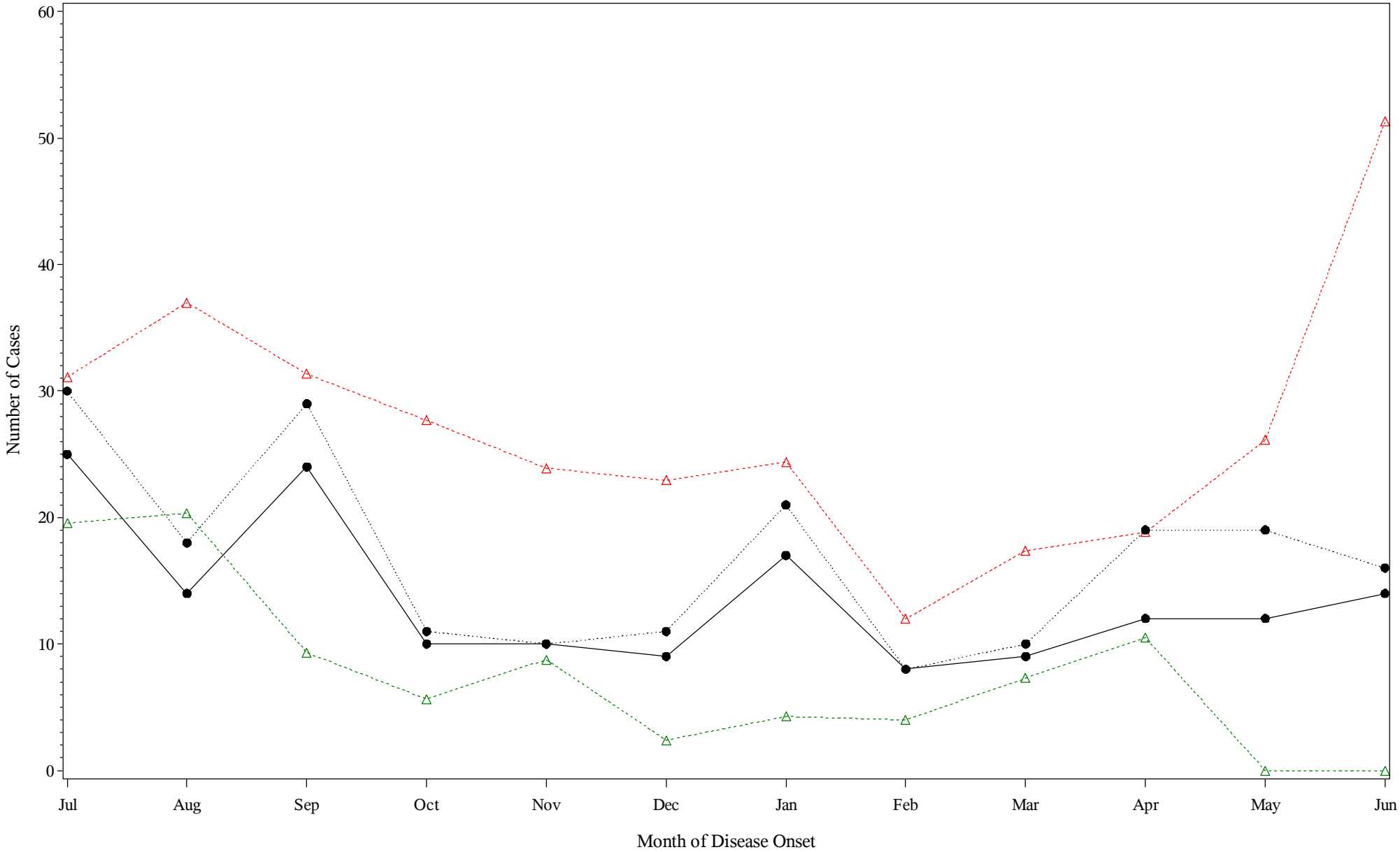
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Salmonellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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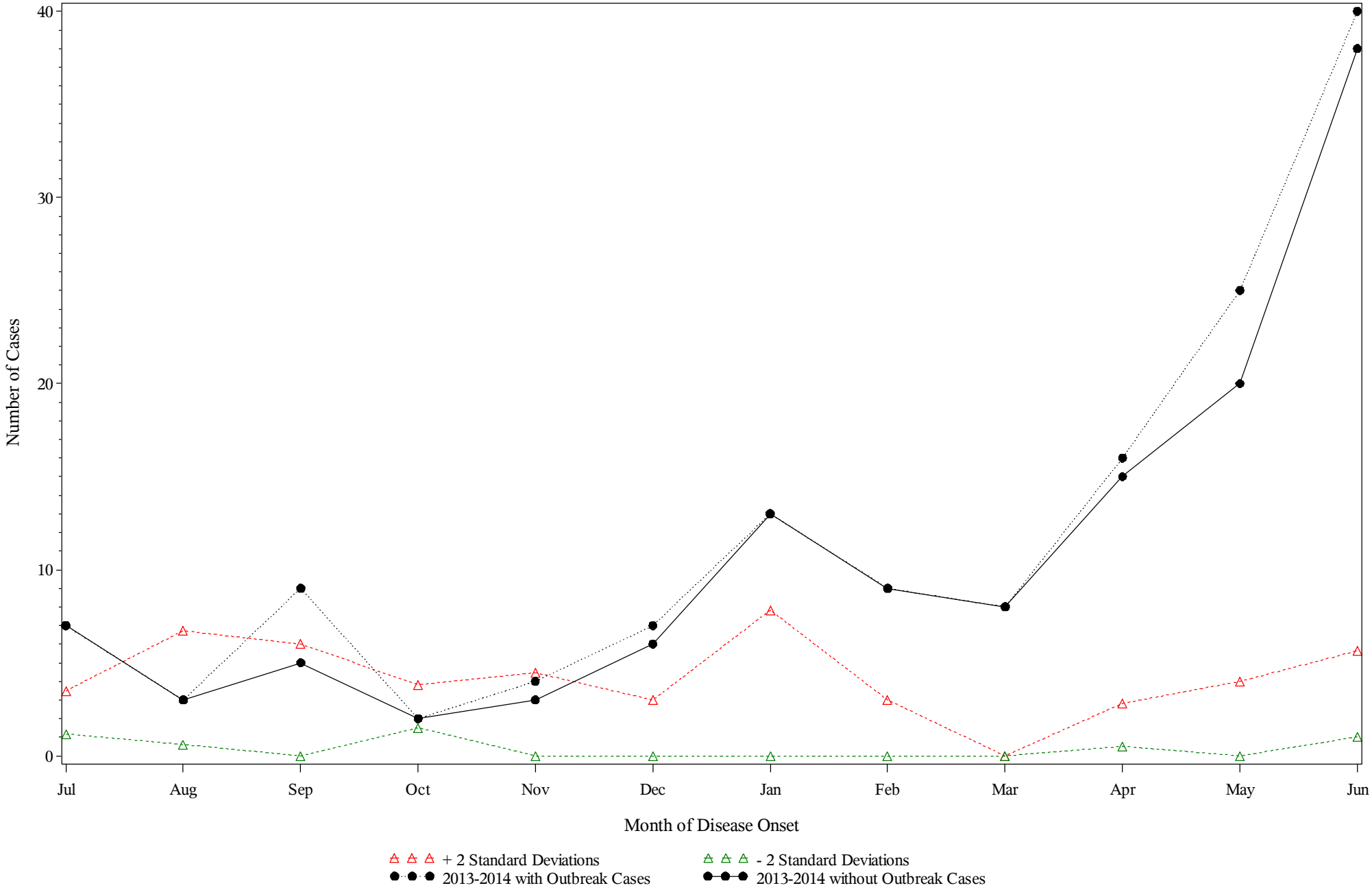
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Shigellosis



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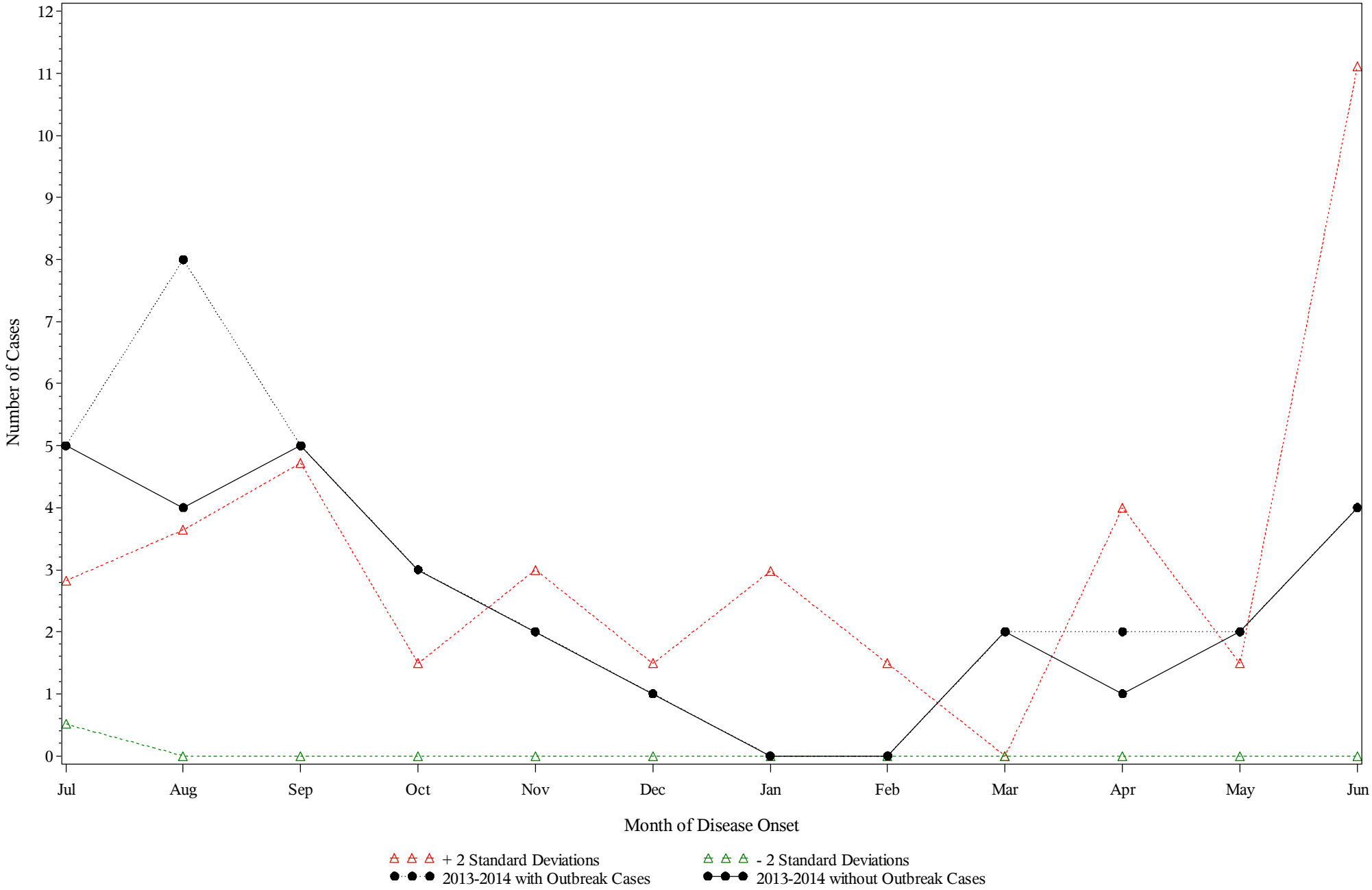
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Shiga Toxin-Producing Escherichia coli



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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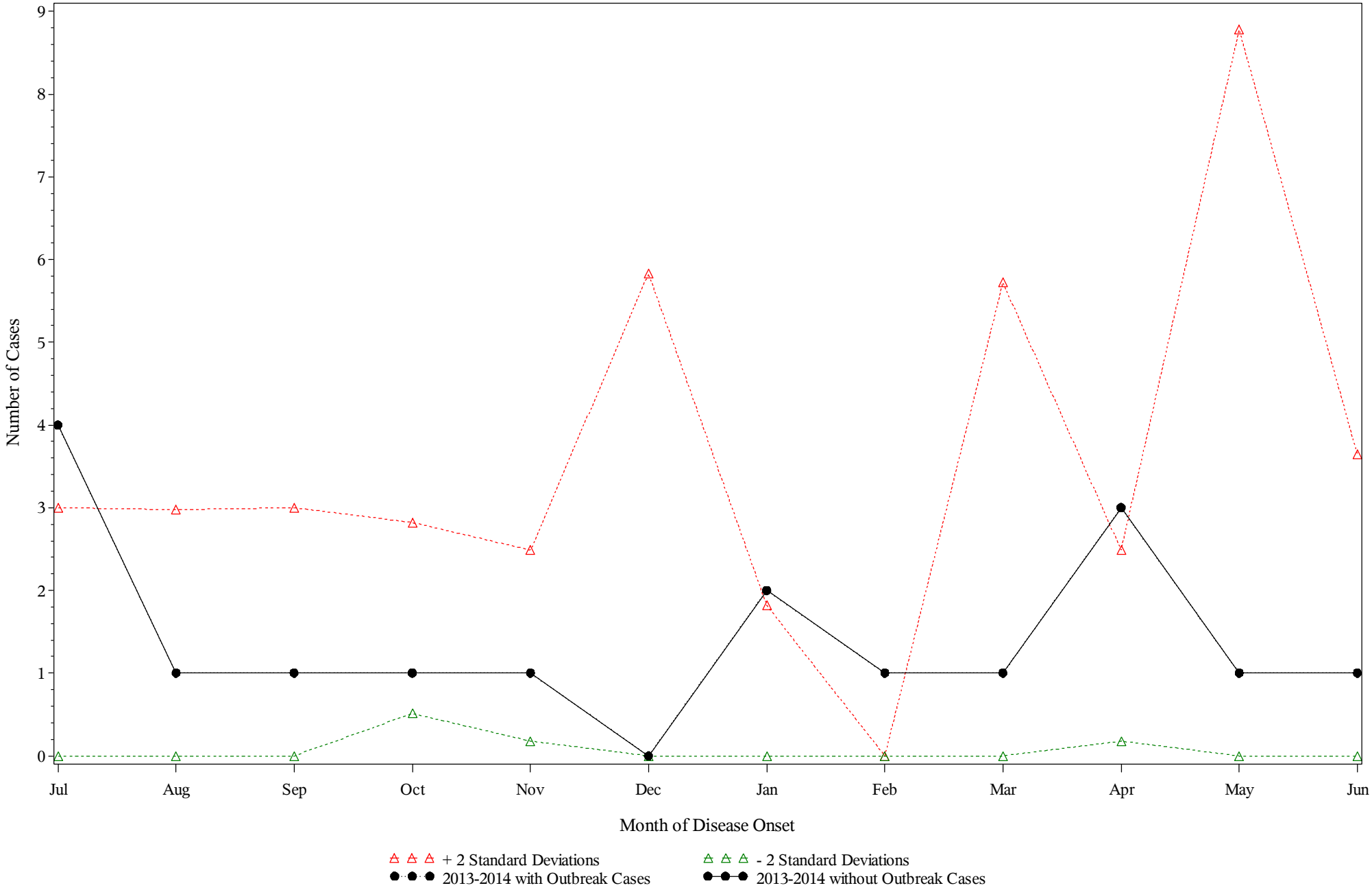
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Streptococcal Disease, Group B, in Newborn



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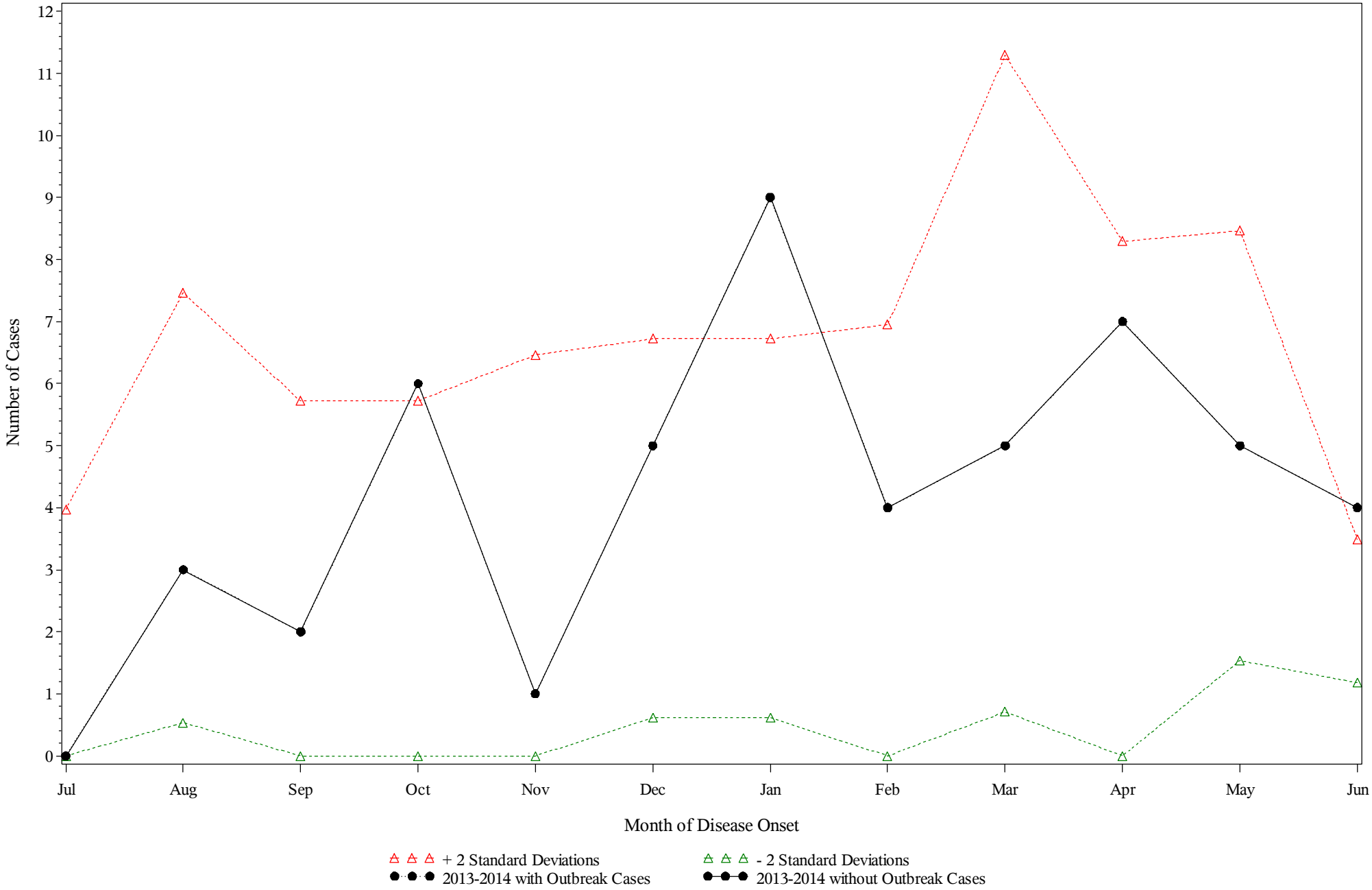
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Streptococcal Disease, Group A, Invasive



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Current as of 07/20/2014
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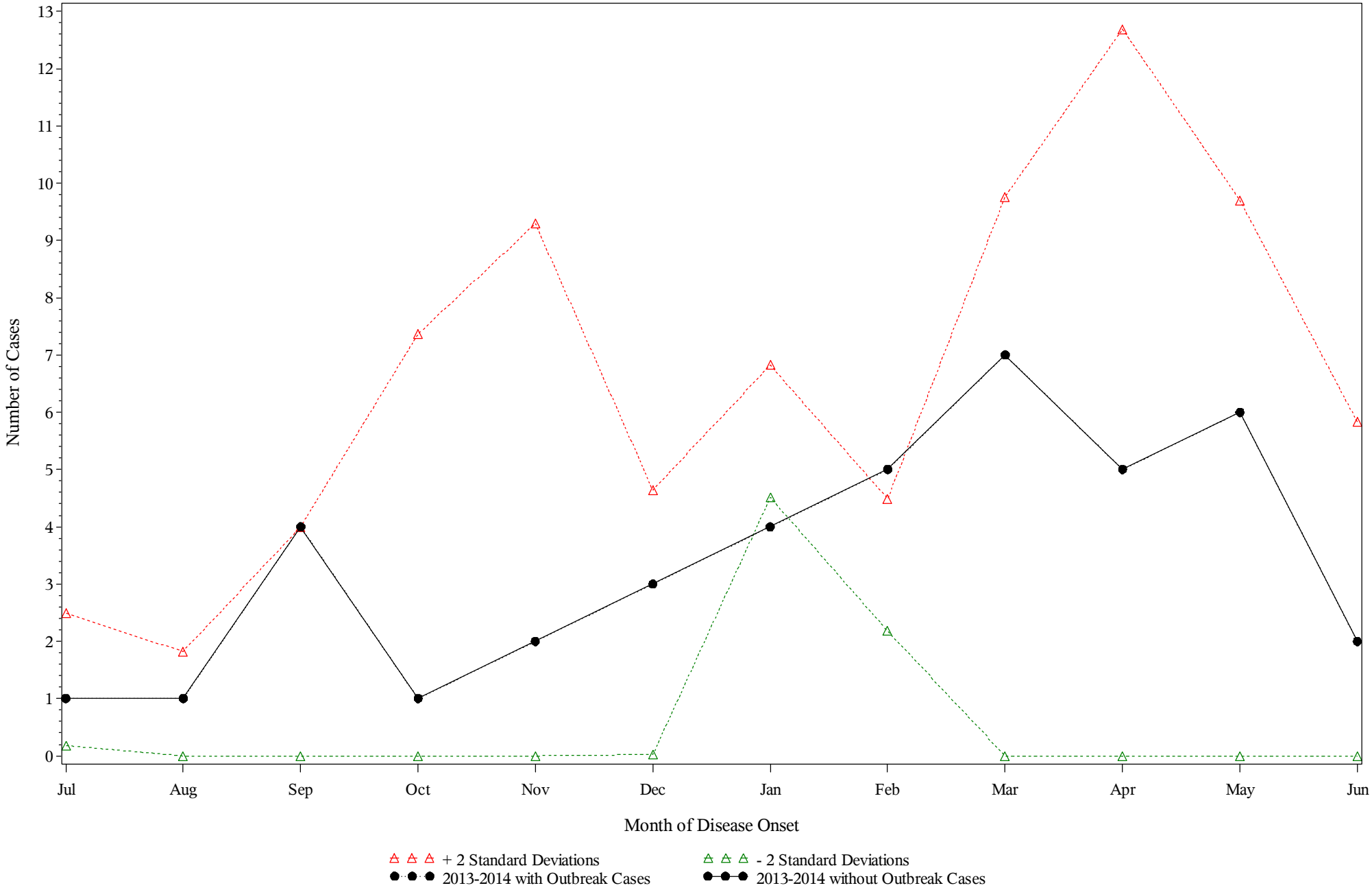
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate



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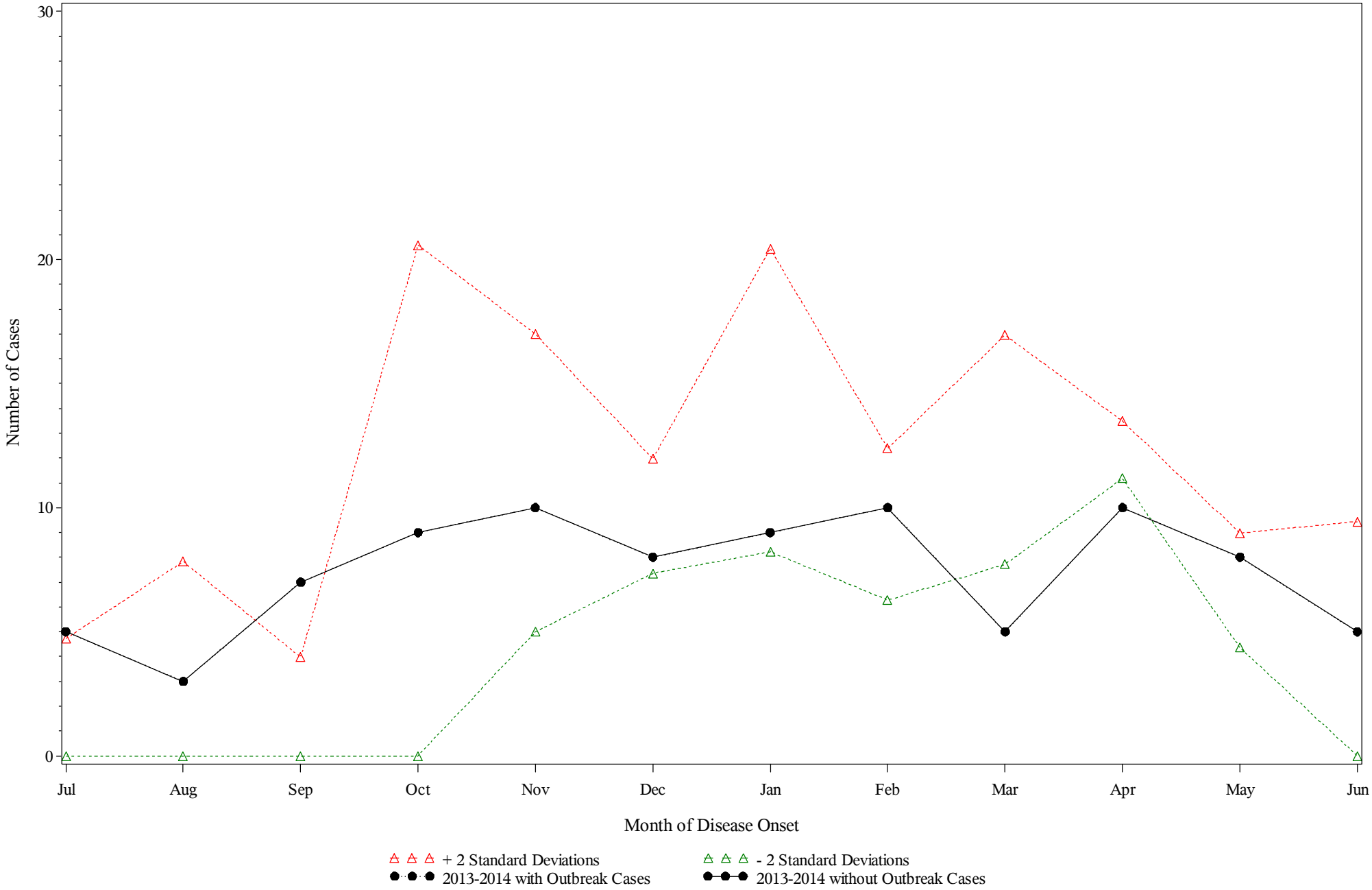
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



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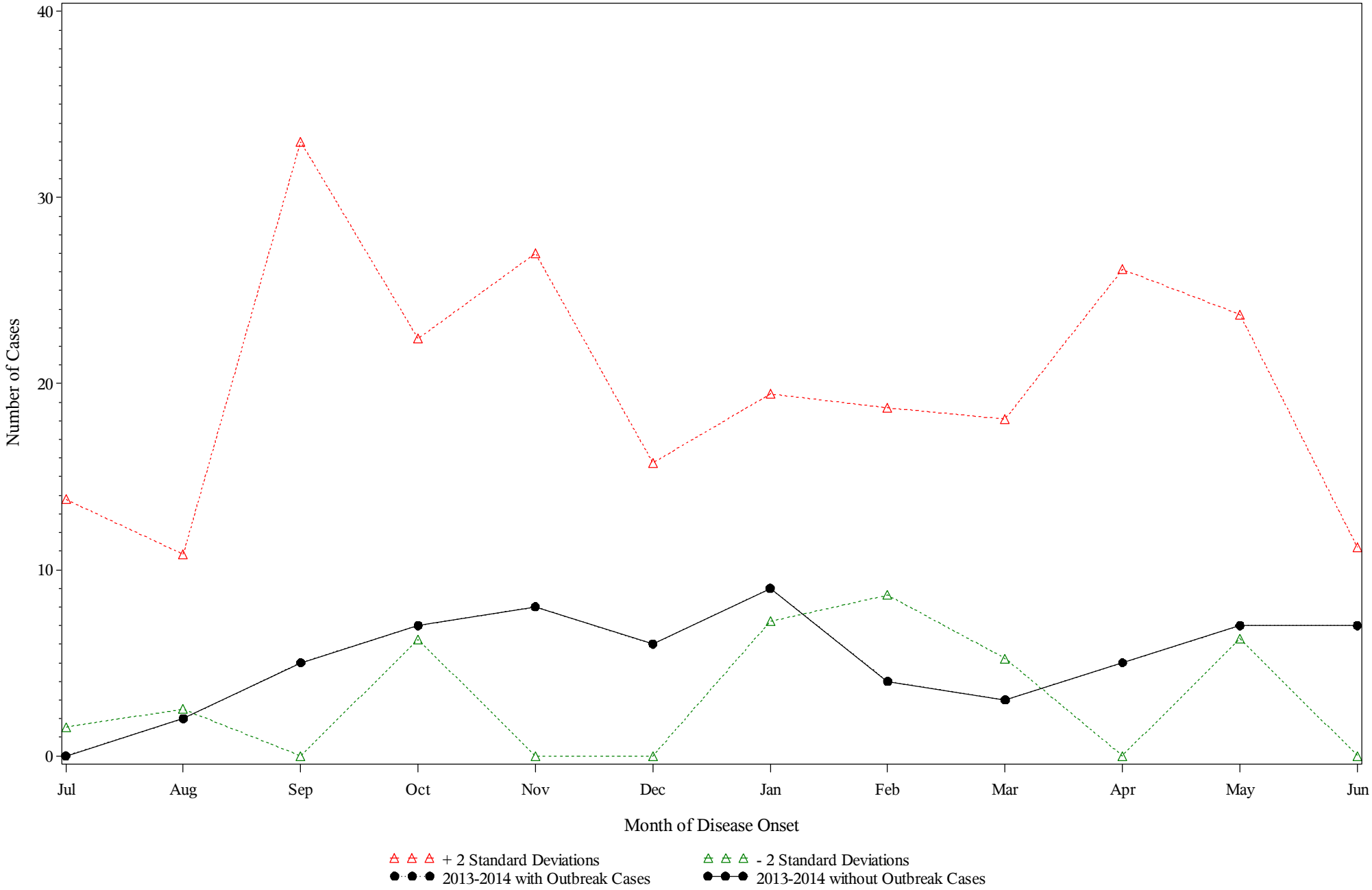
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast Varicella



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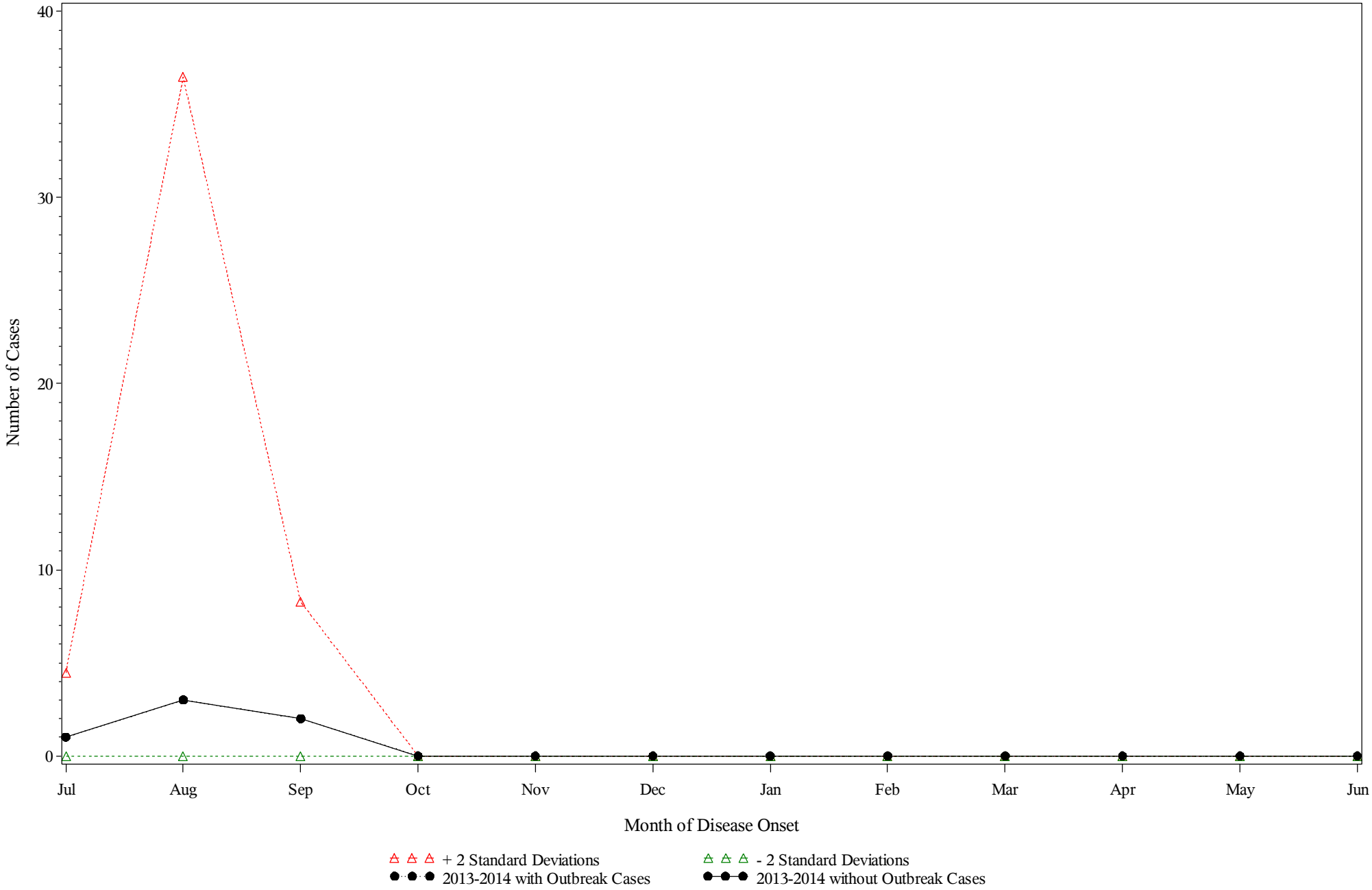
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northeast West Nile Virus Disease



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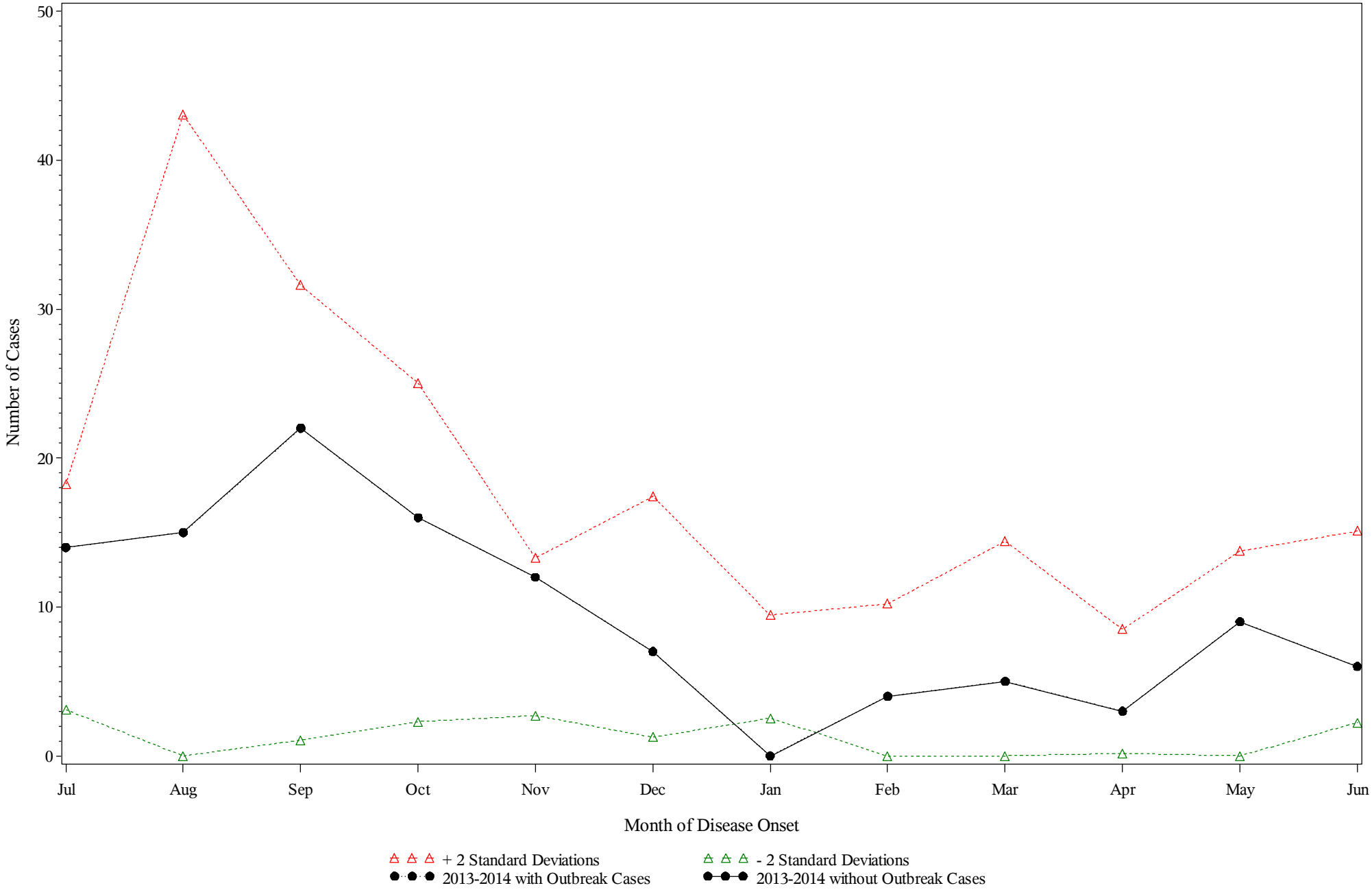
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Aseptic Meningitis



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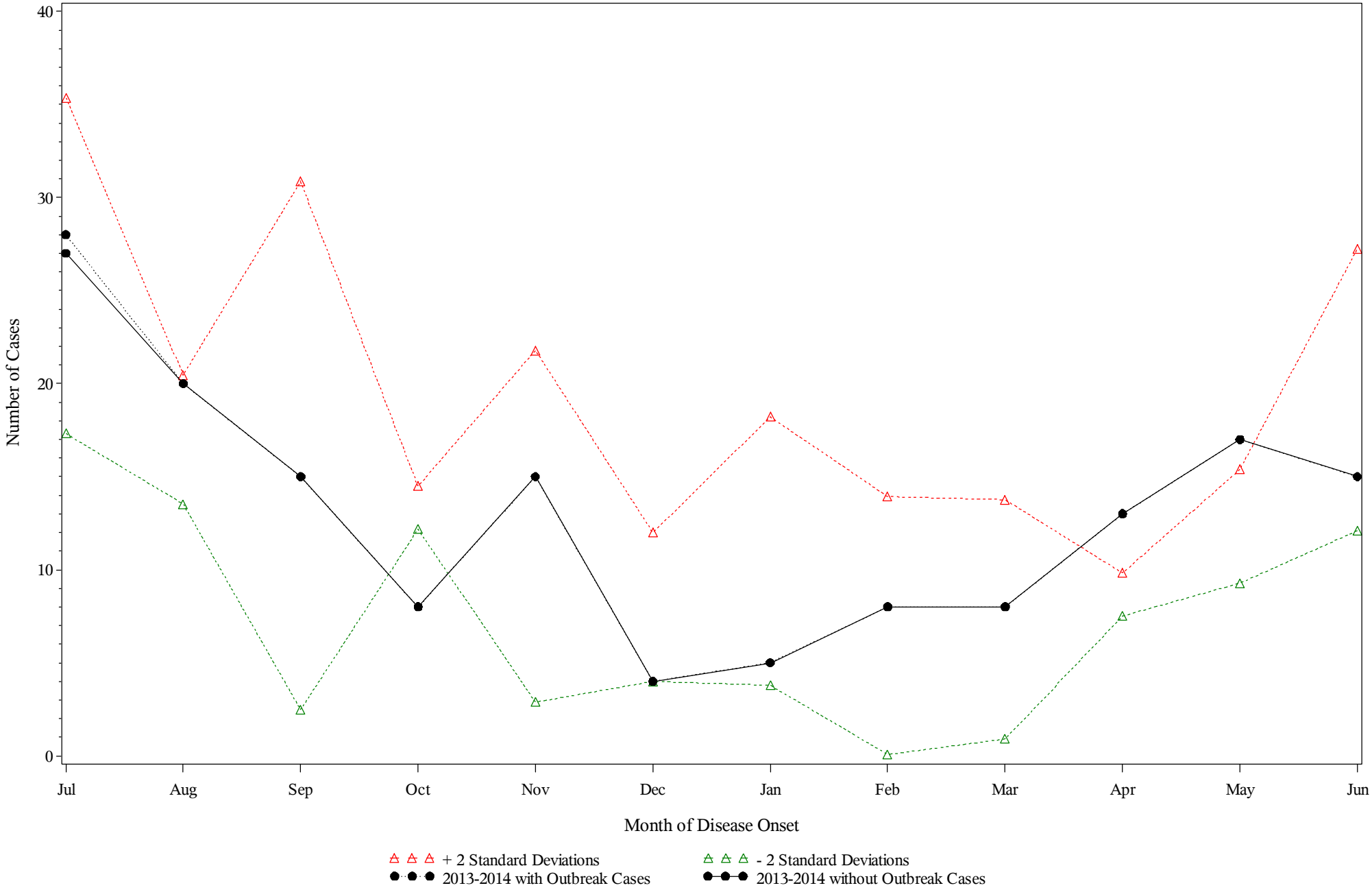
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Campylobacteriosis



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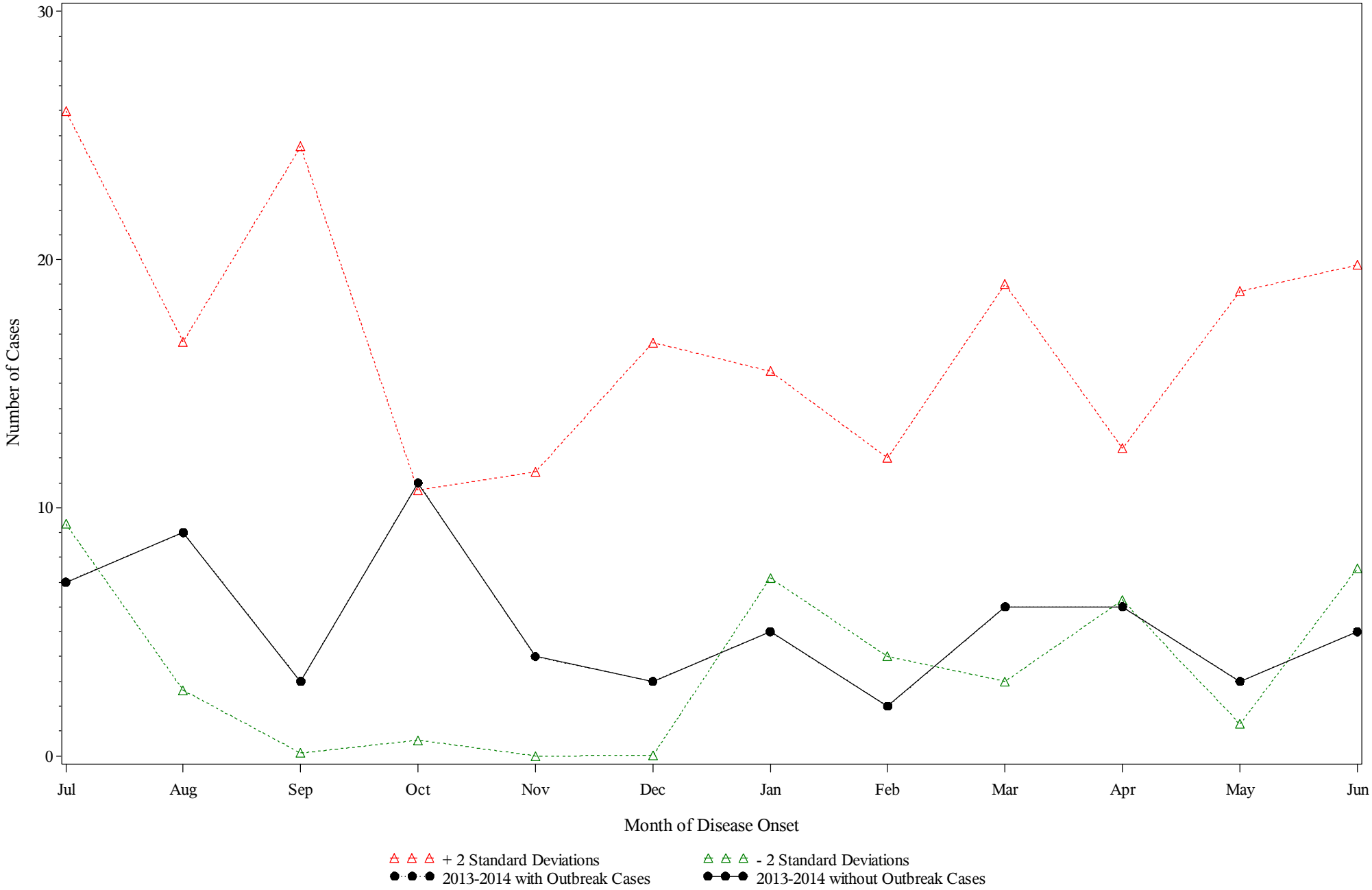
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

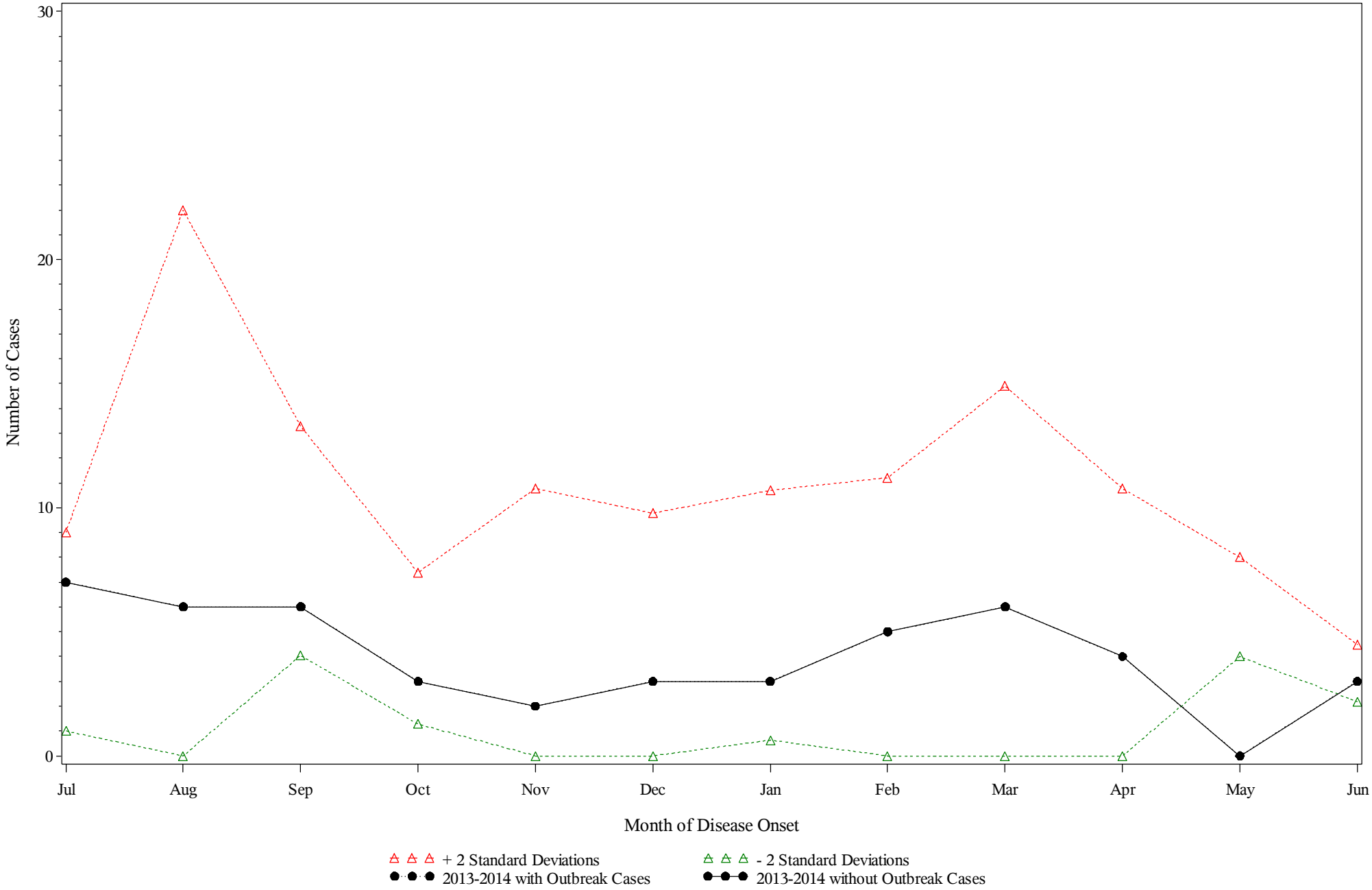
Northwest Cryptosporidiosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Giardiasis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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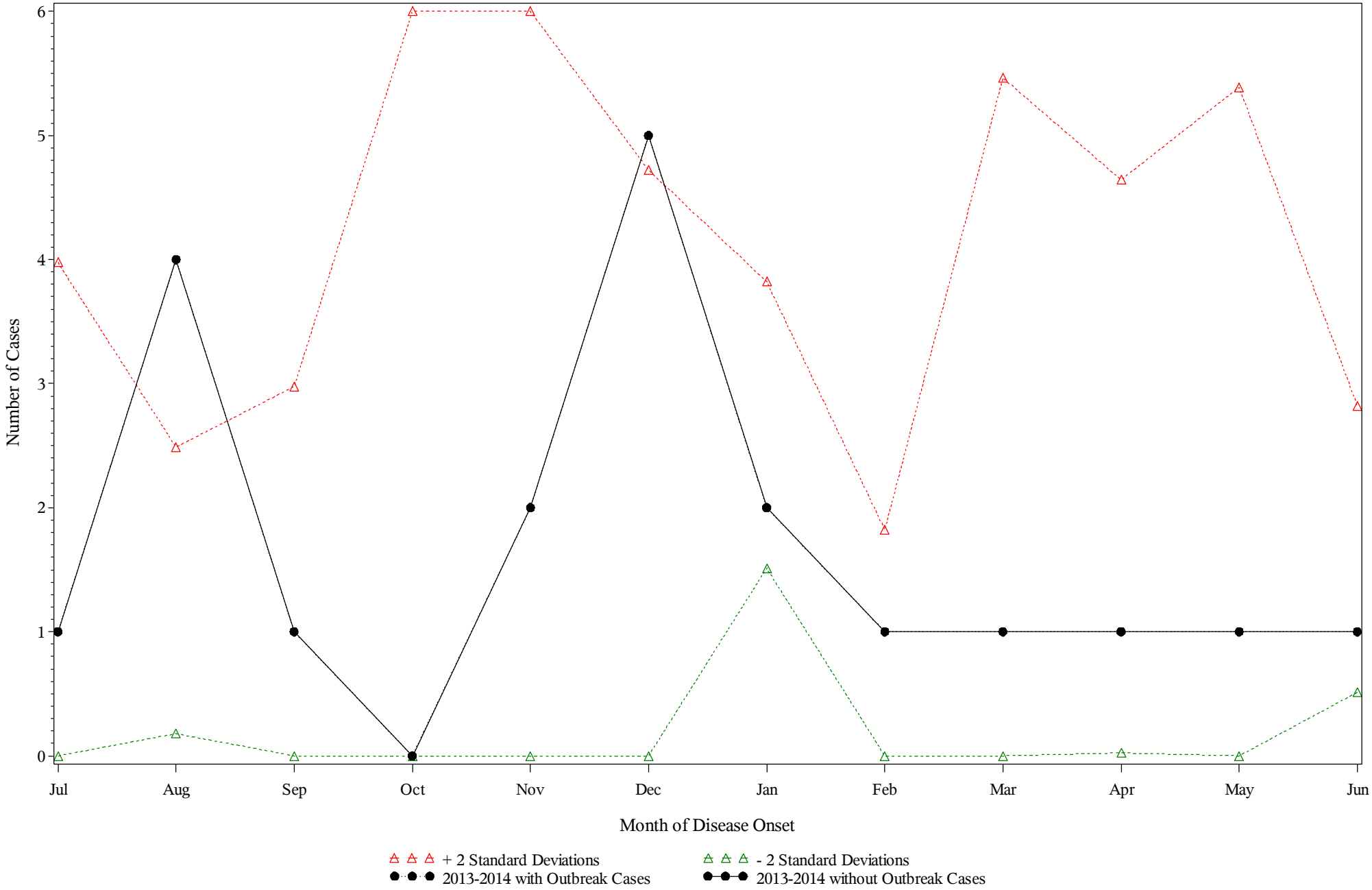
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Haemophilus influenzae, Invasive



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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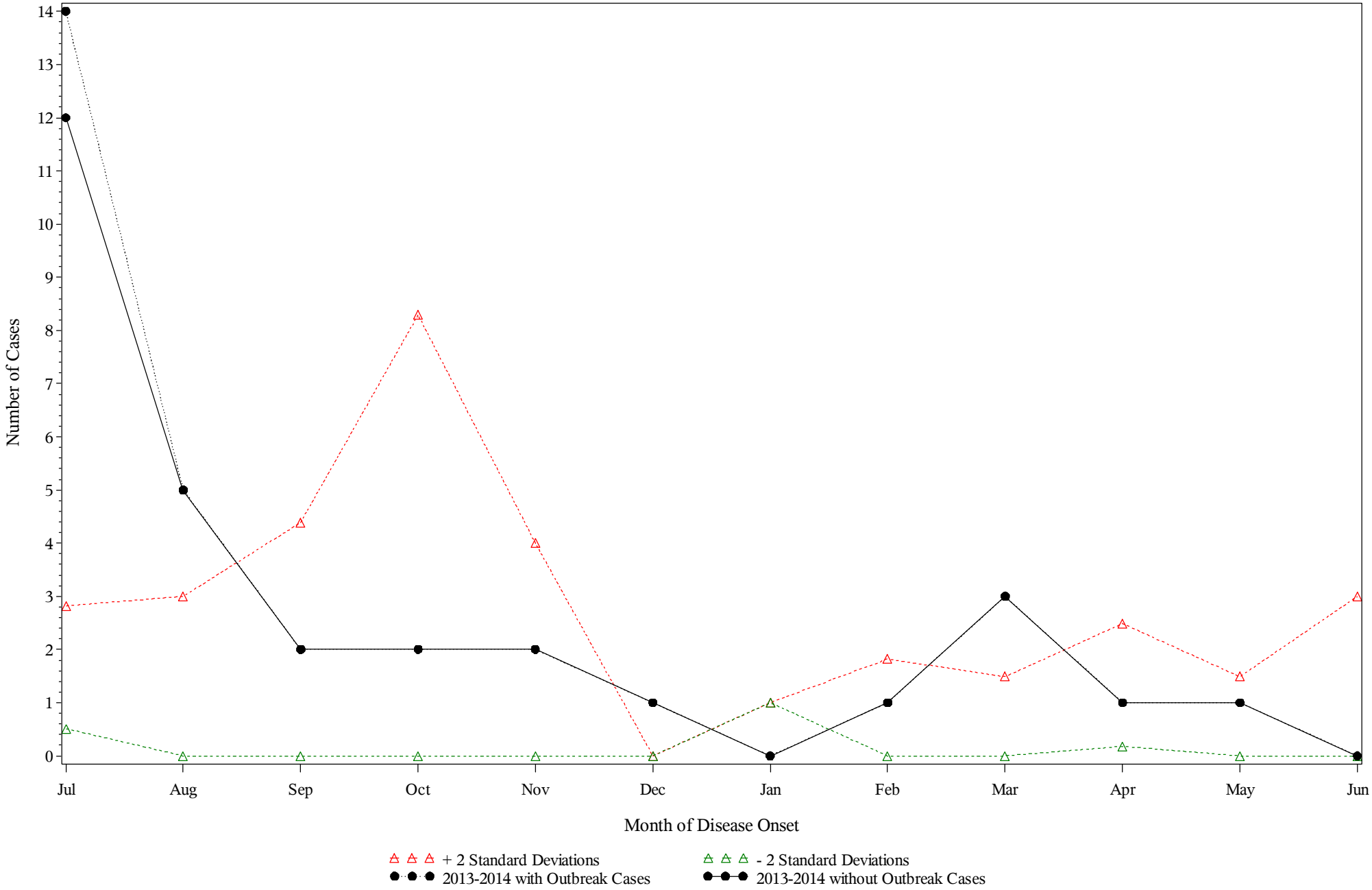
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Legionellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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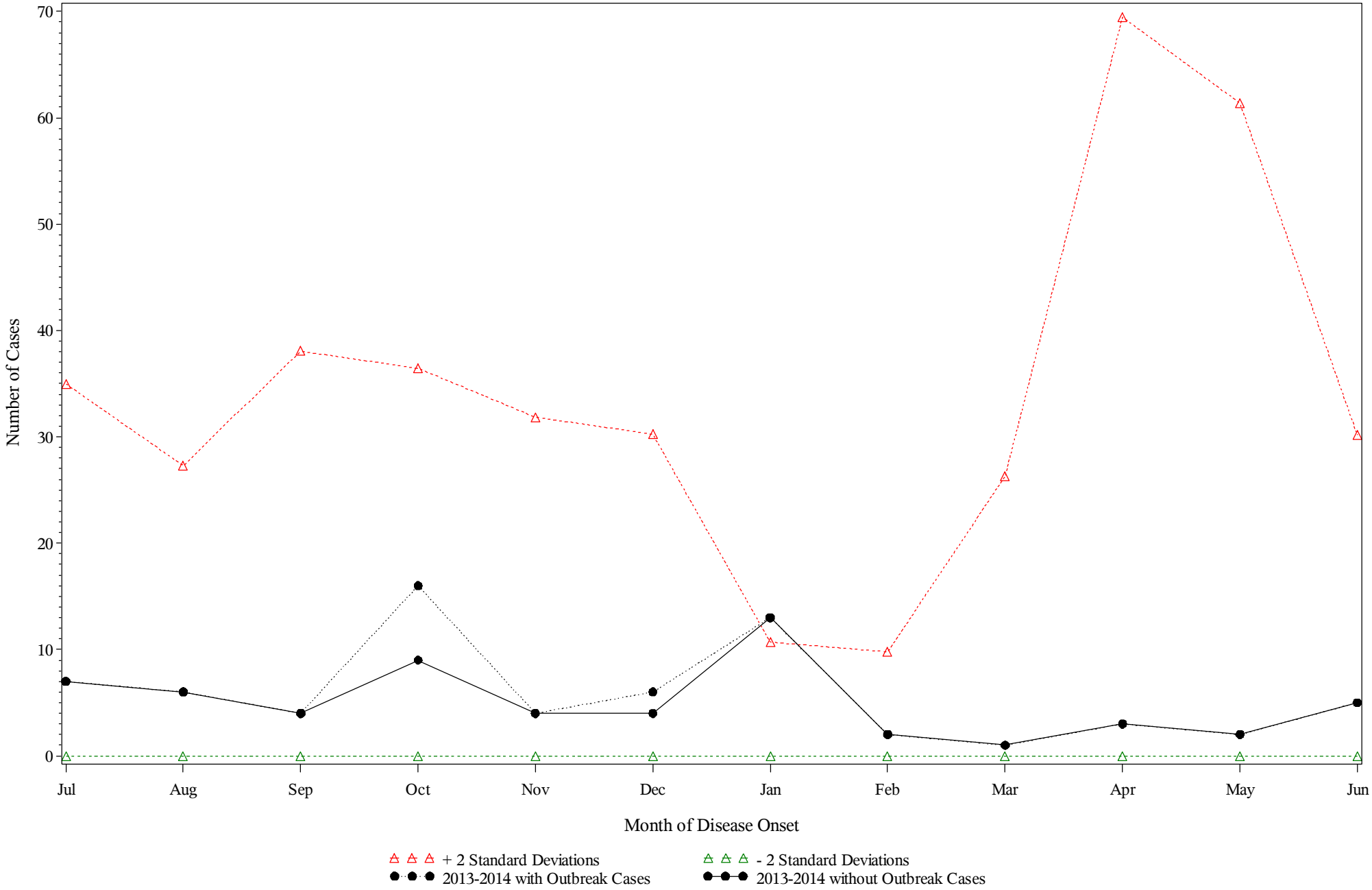
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Pertussis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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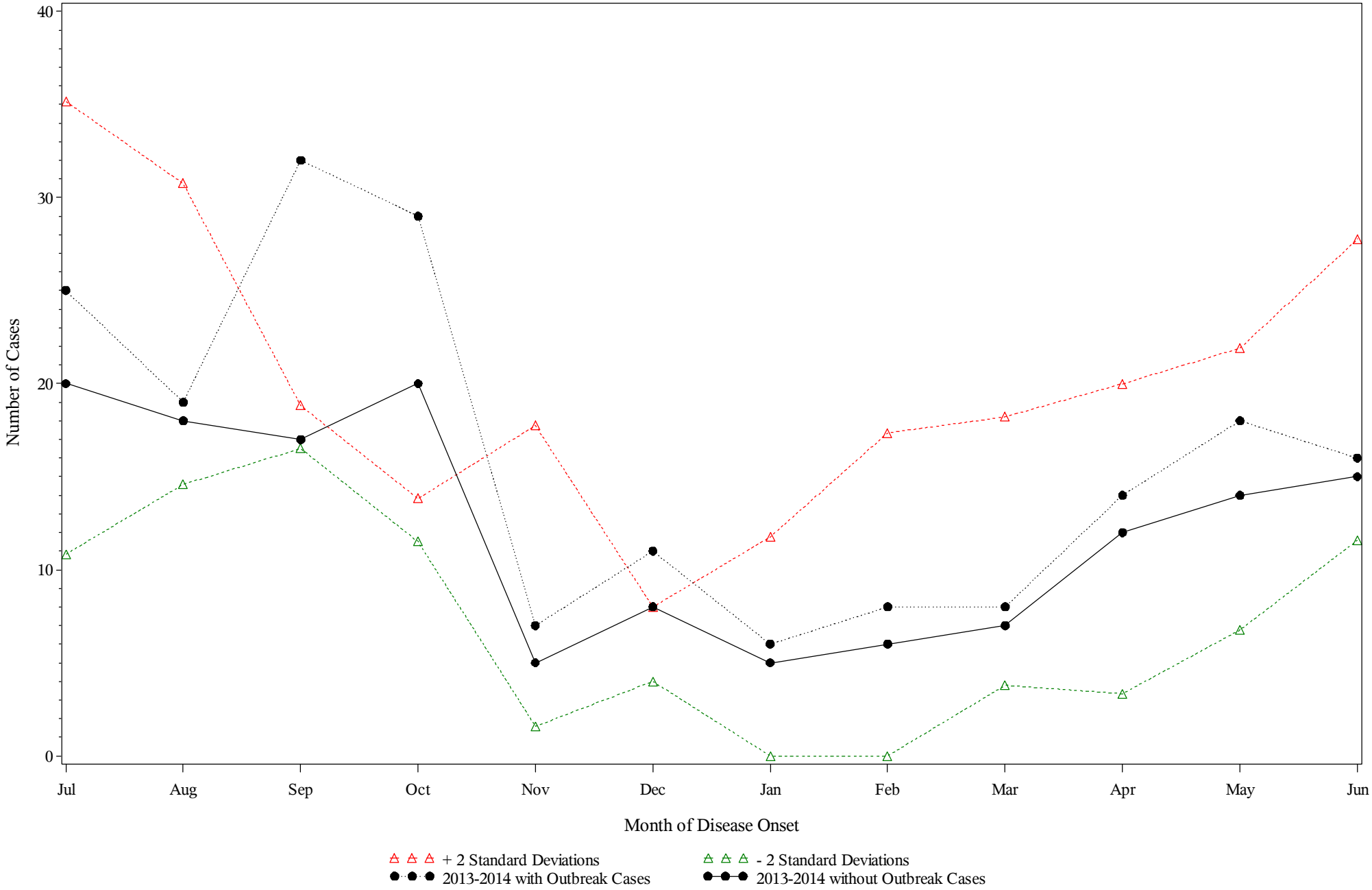
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Salmonellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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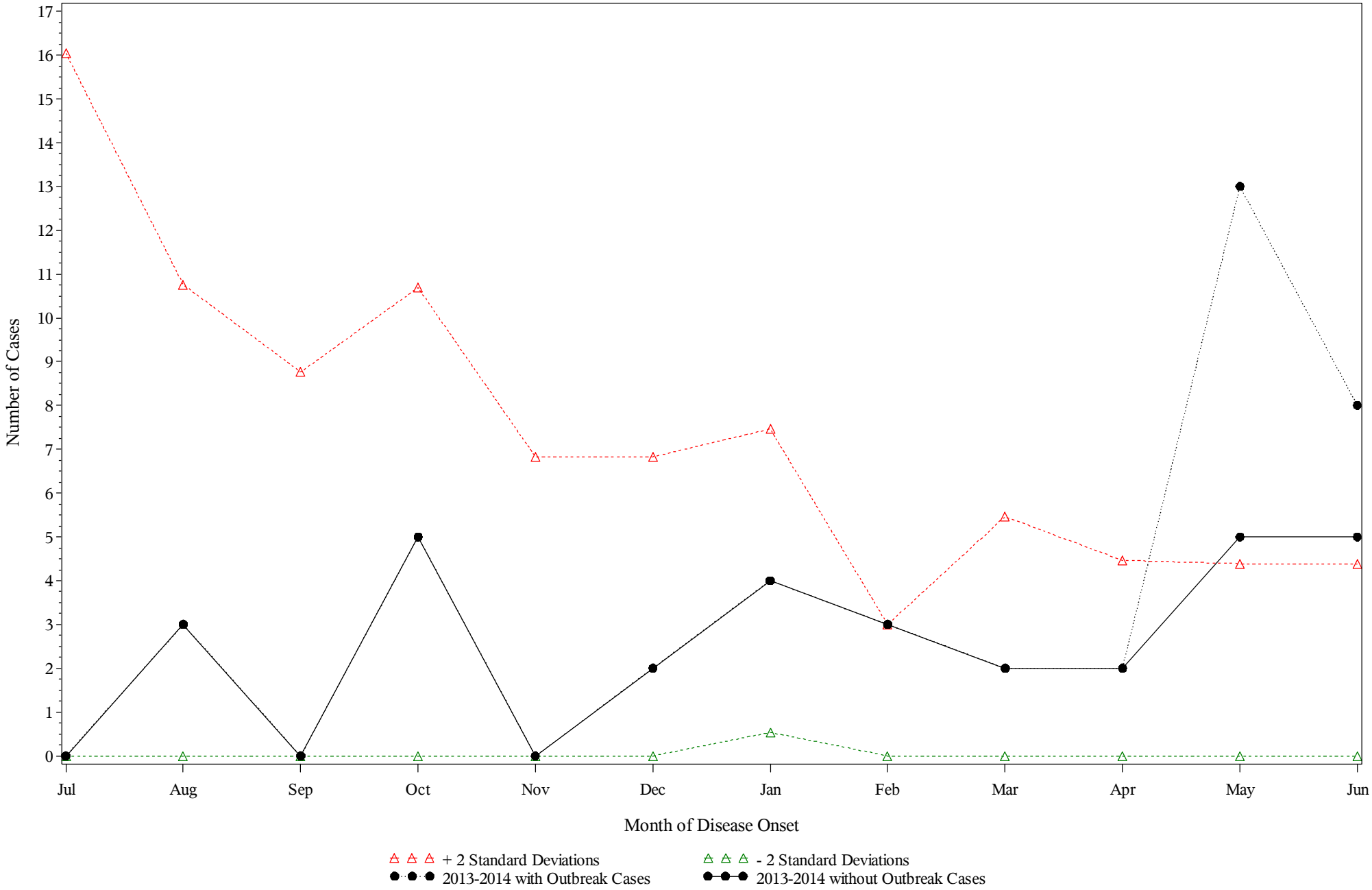
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Shigellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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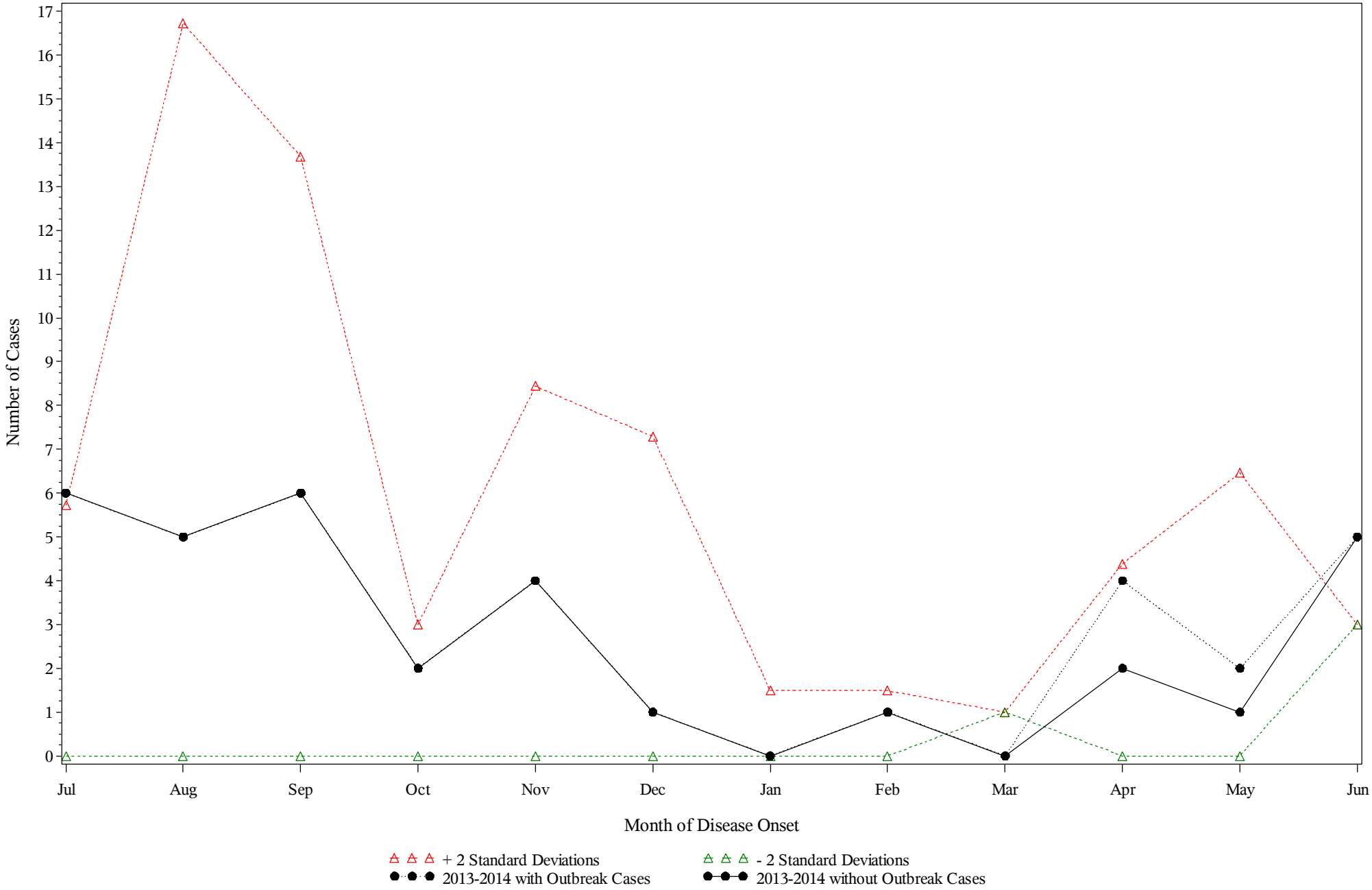
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Shiga Toxin-Producing Escherichia coli



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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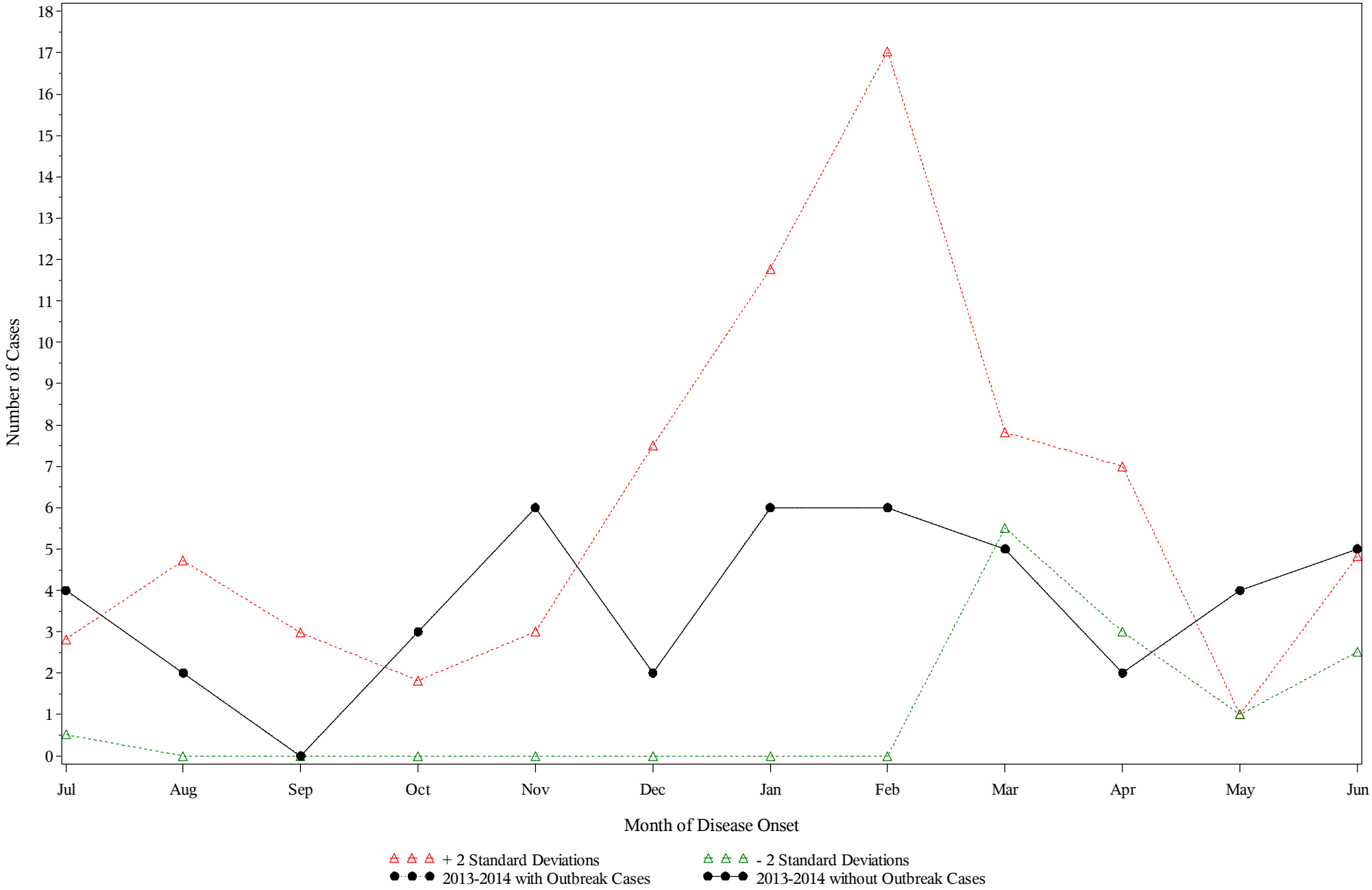
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Streptococcal Disease, Group A, Invasive



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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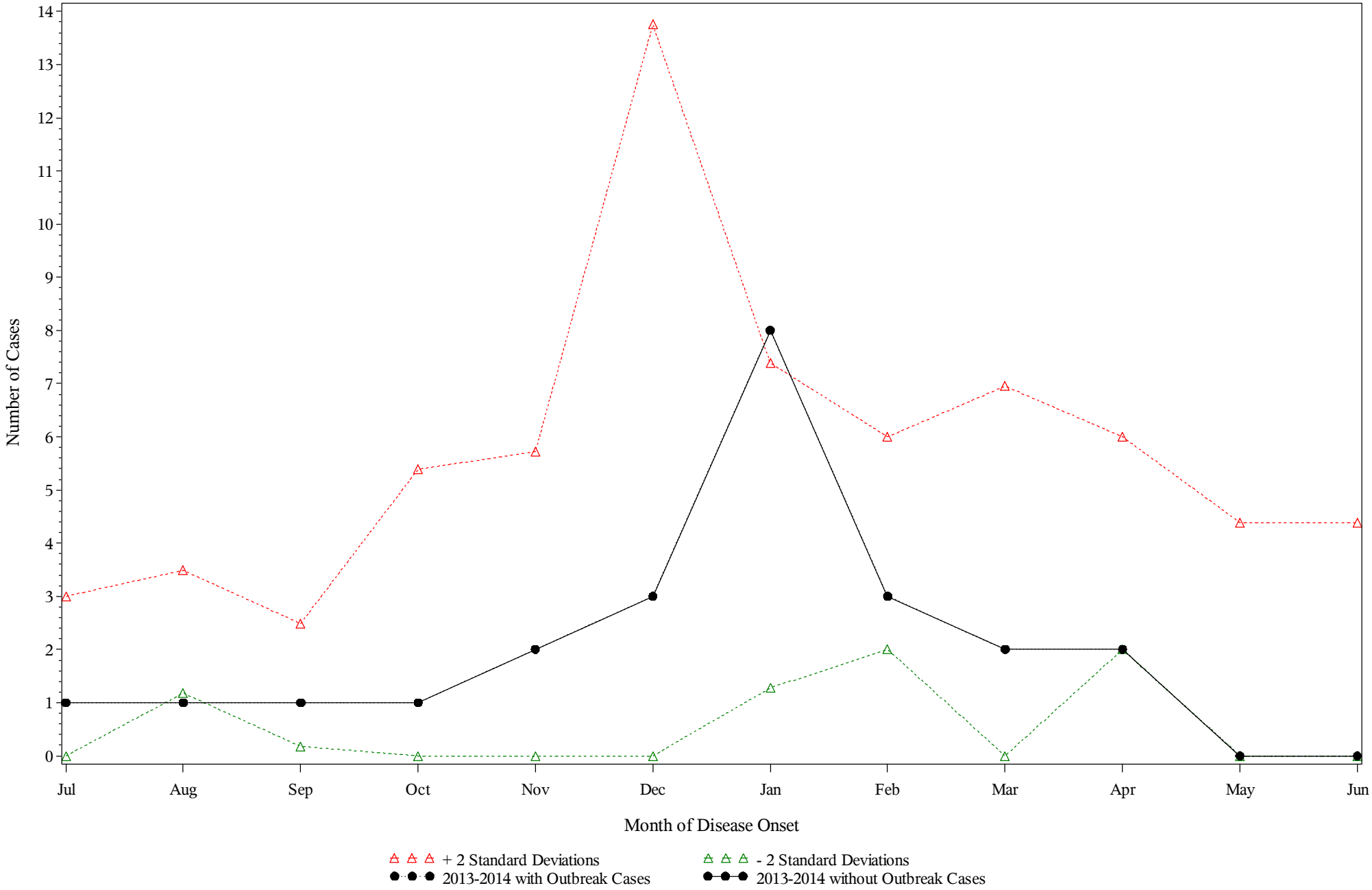
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate



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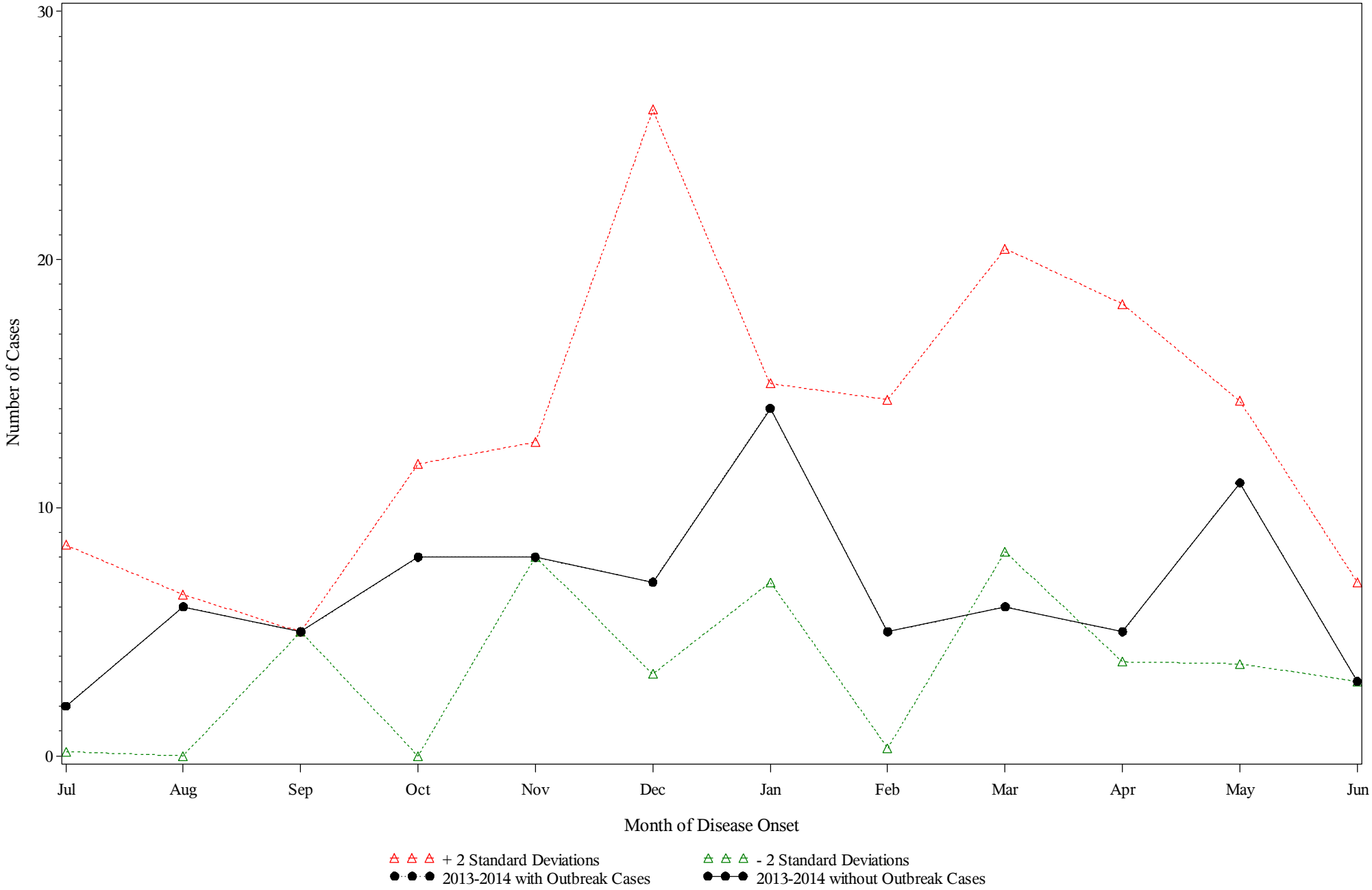
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



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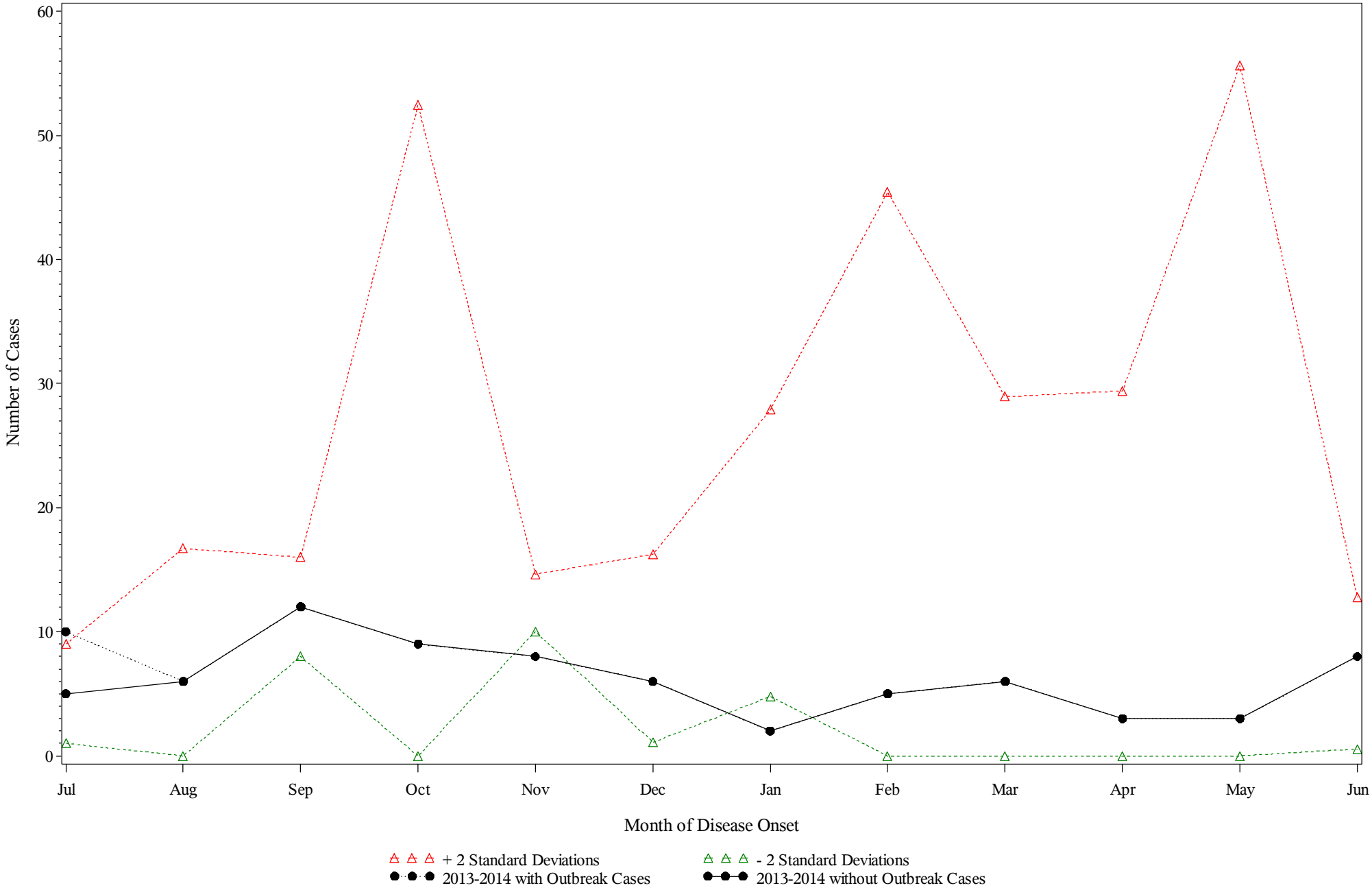
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Varicella



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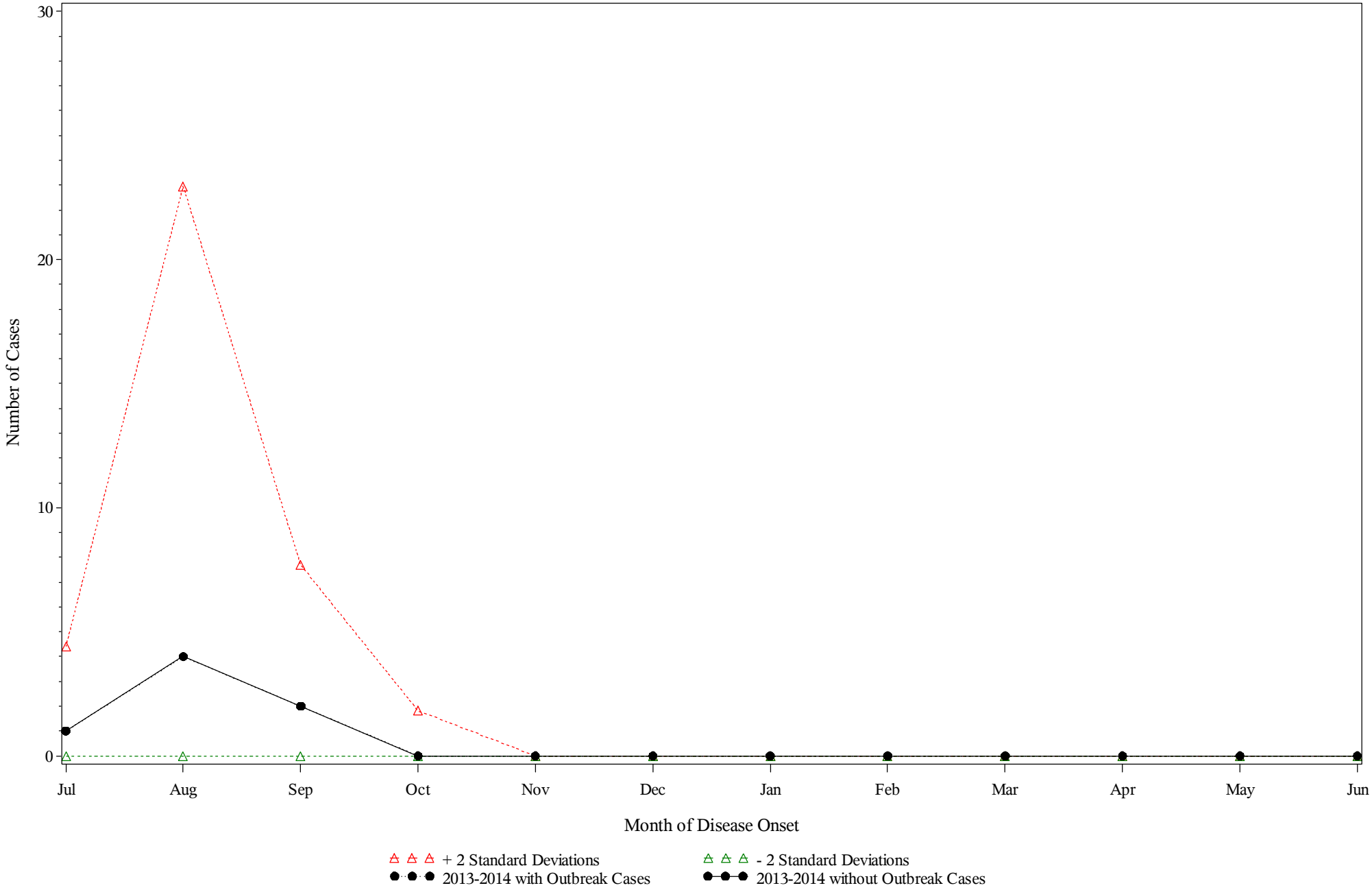
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest West Nile Virus Disease



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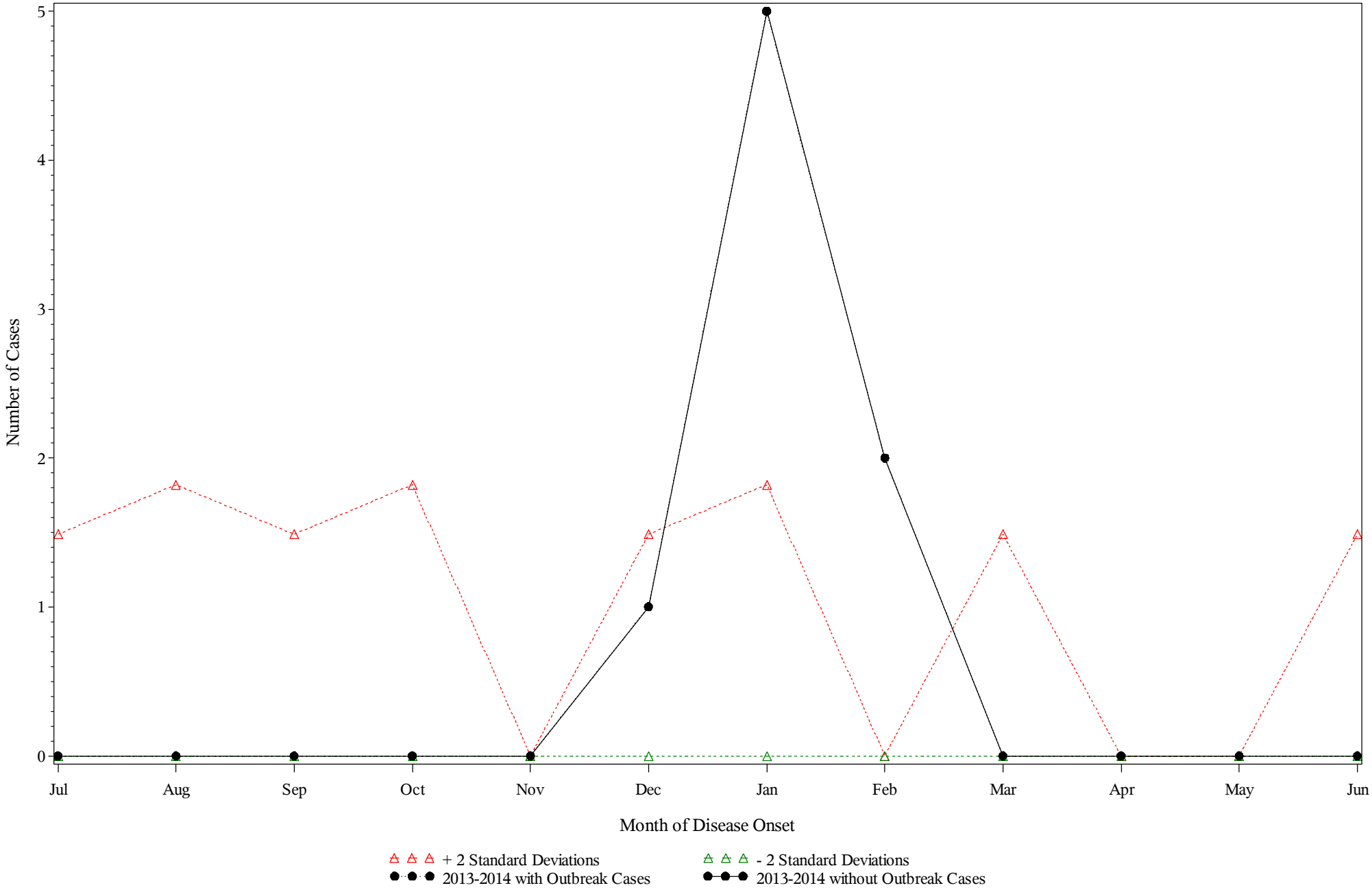
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Northwest Yersiniosis



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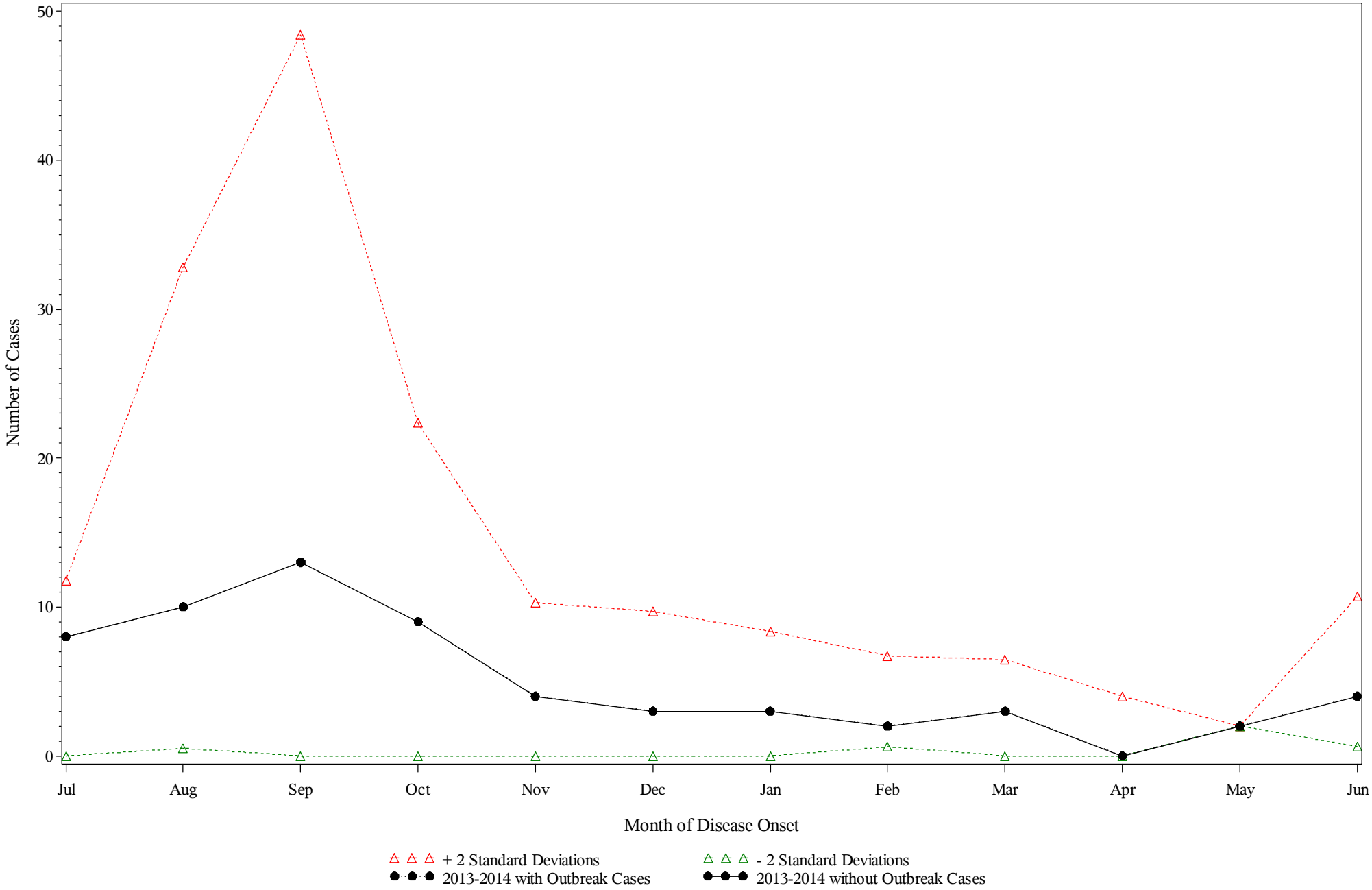
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Aseptic Meningitis



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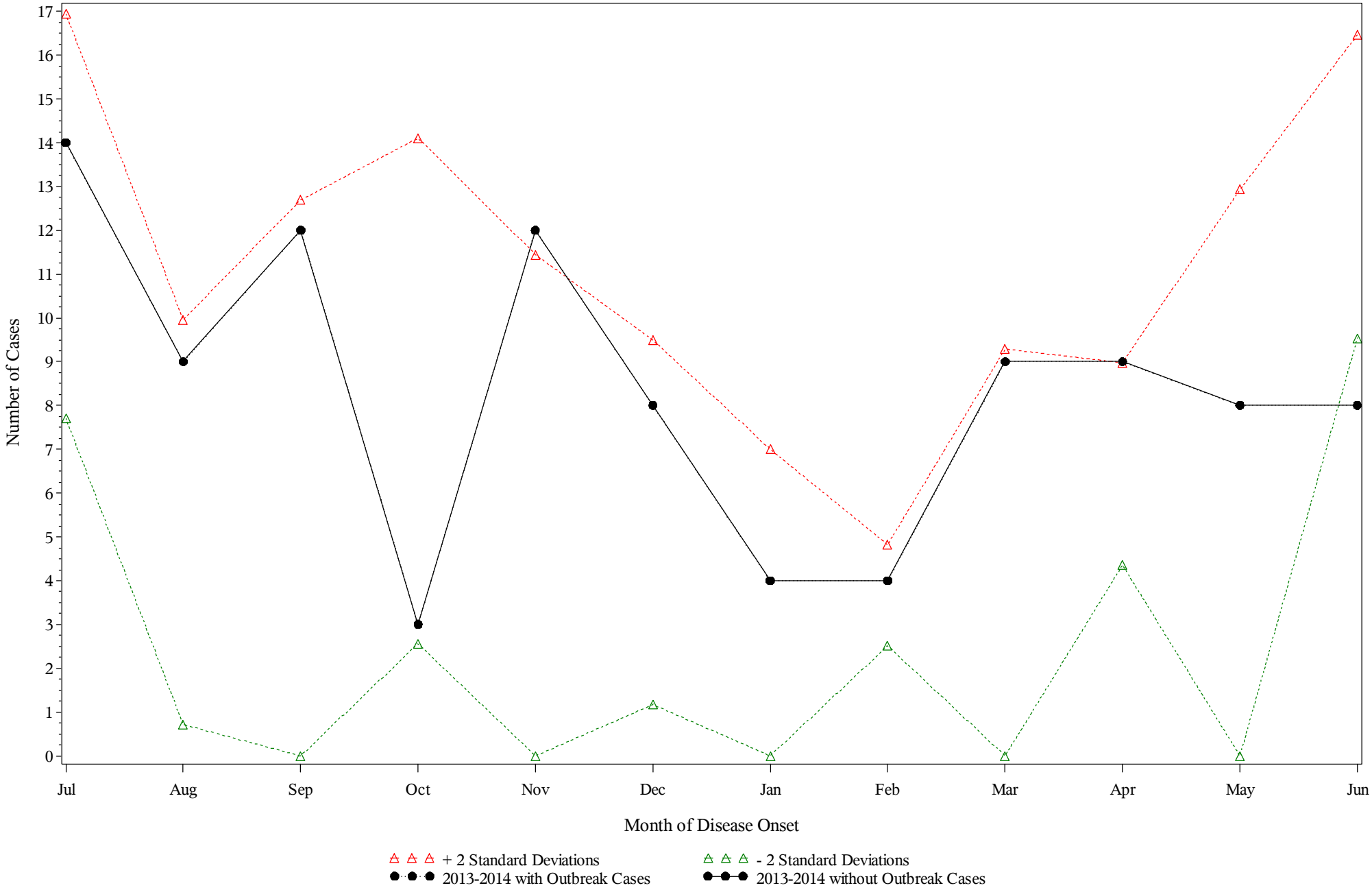
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Campylobacteriosis



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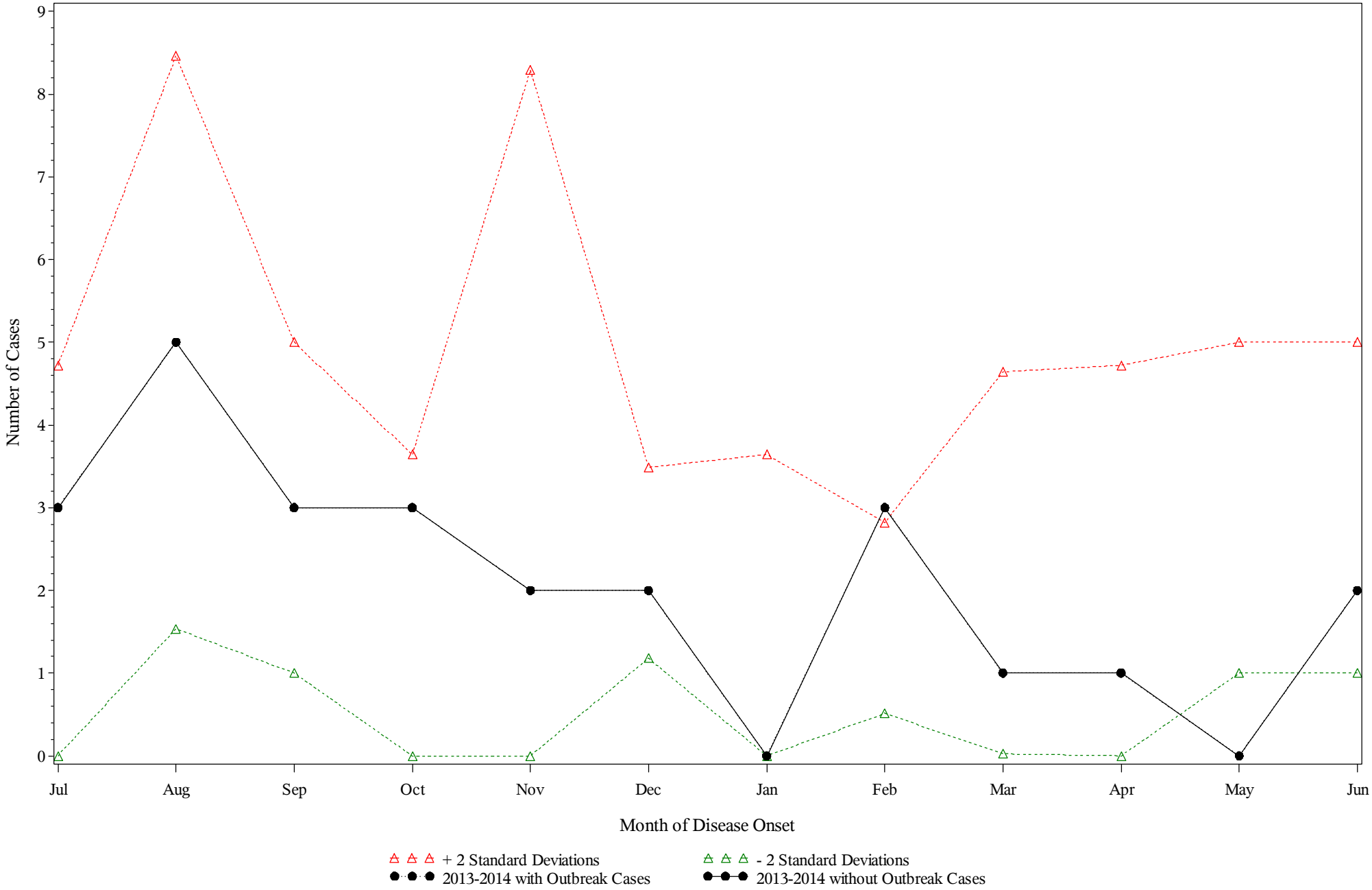
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Cryptosporidiosis



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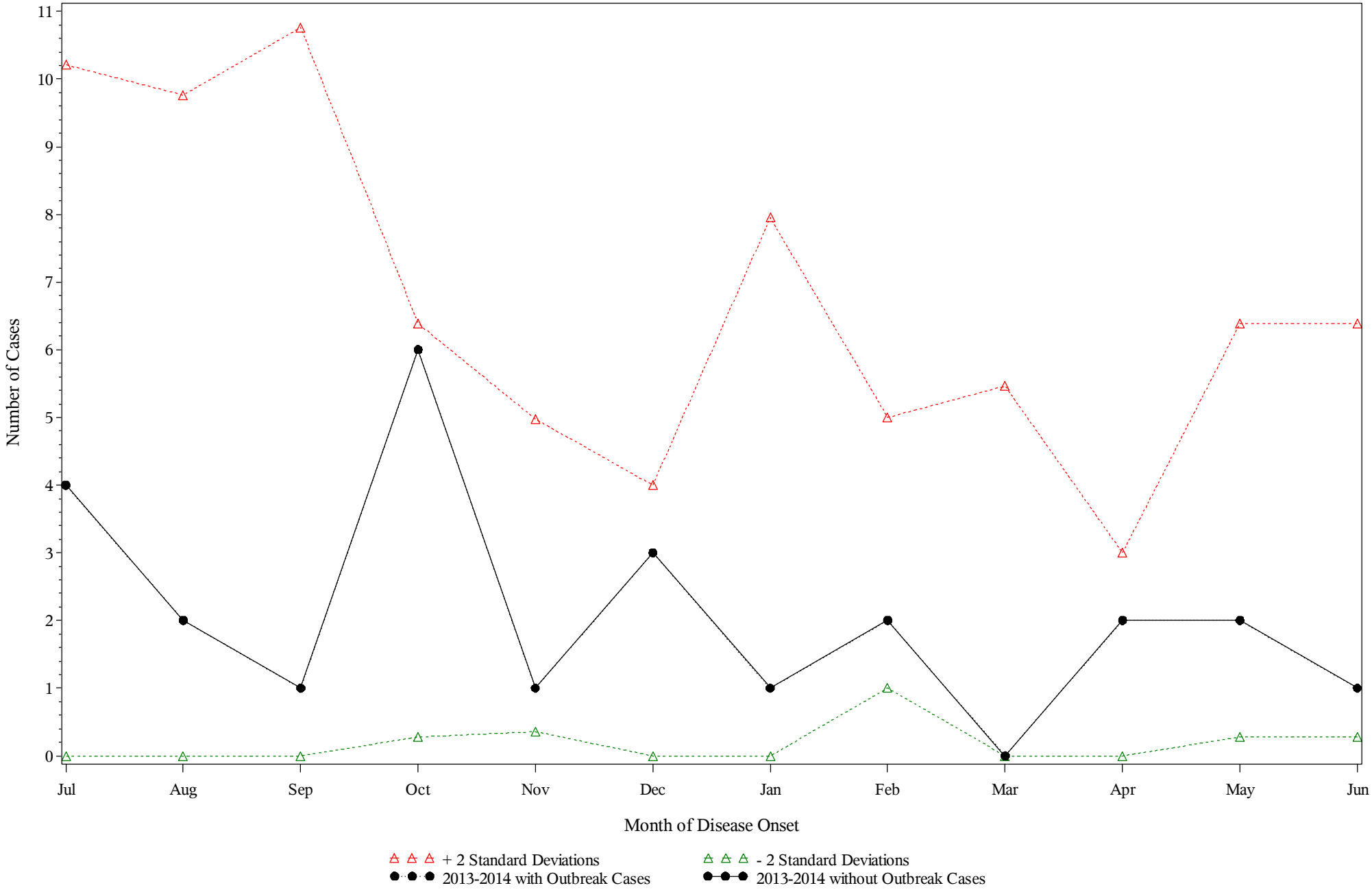
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Giardiasis



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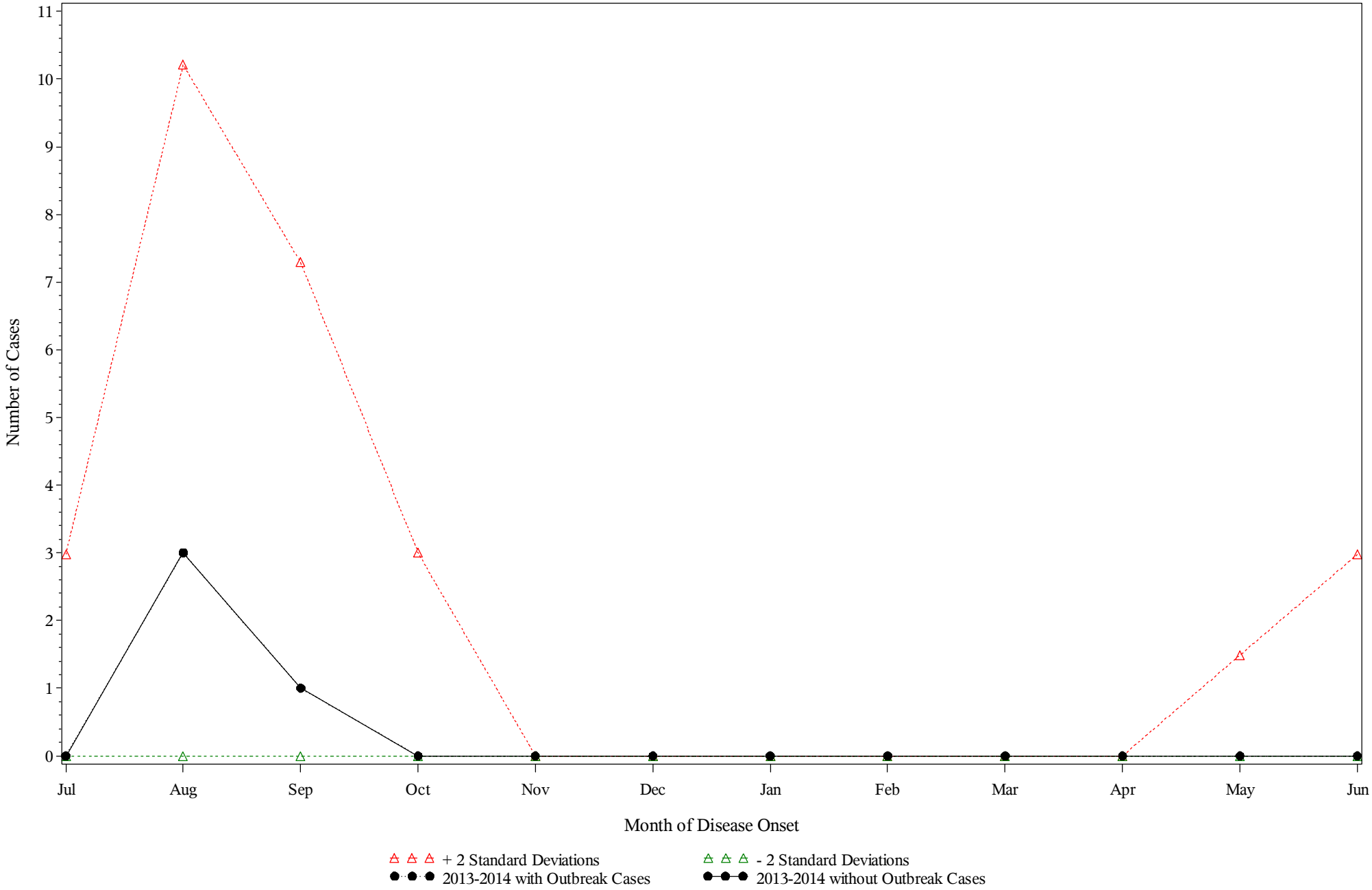
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast LaCrosse Virus Disease



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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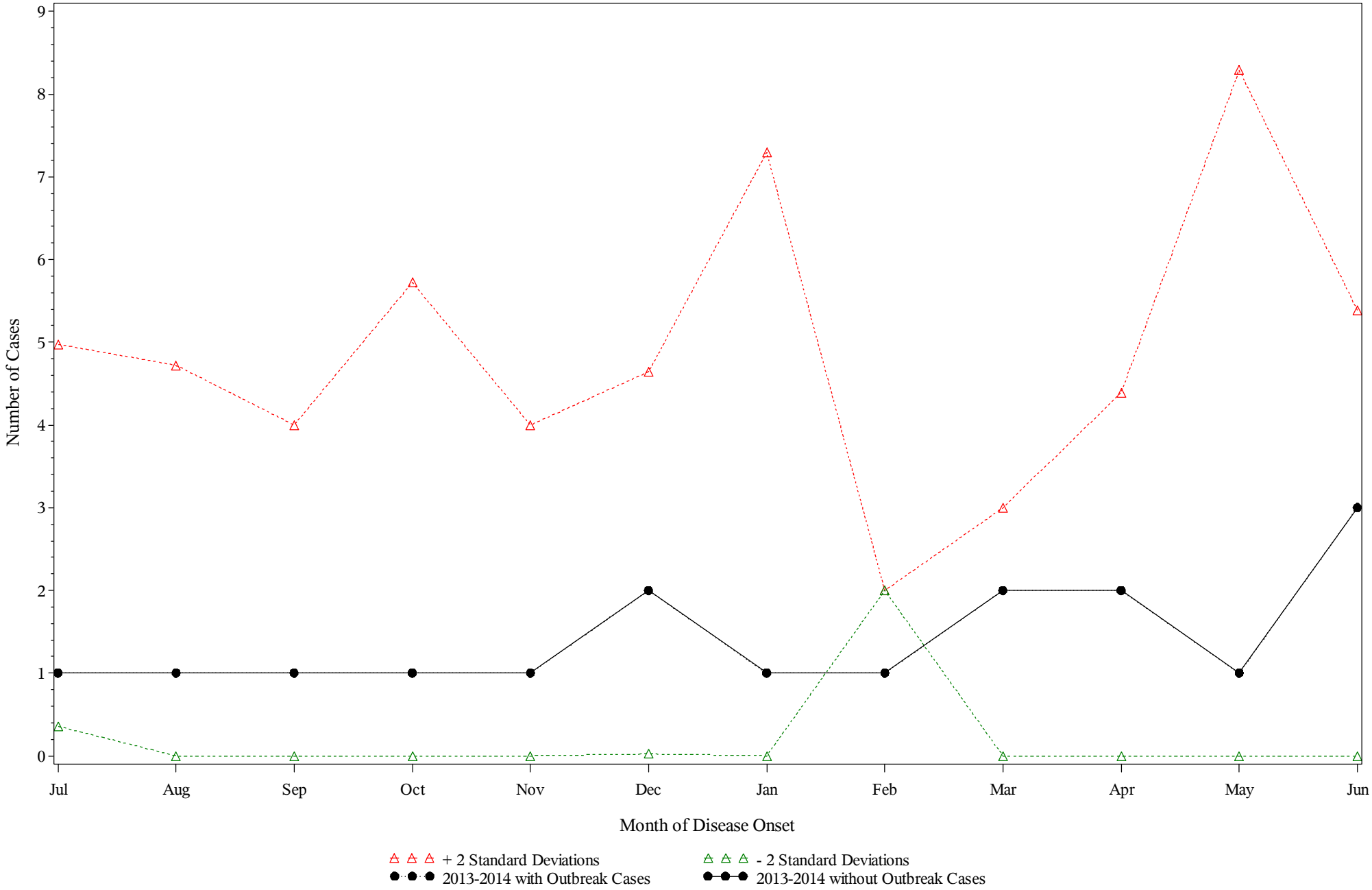
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Legionellosis



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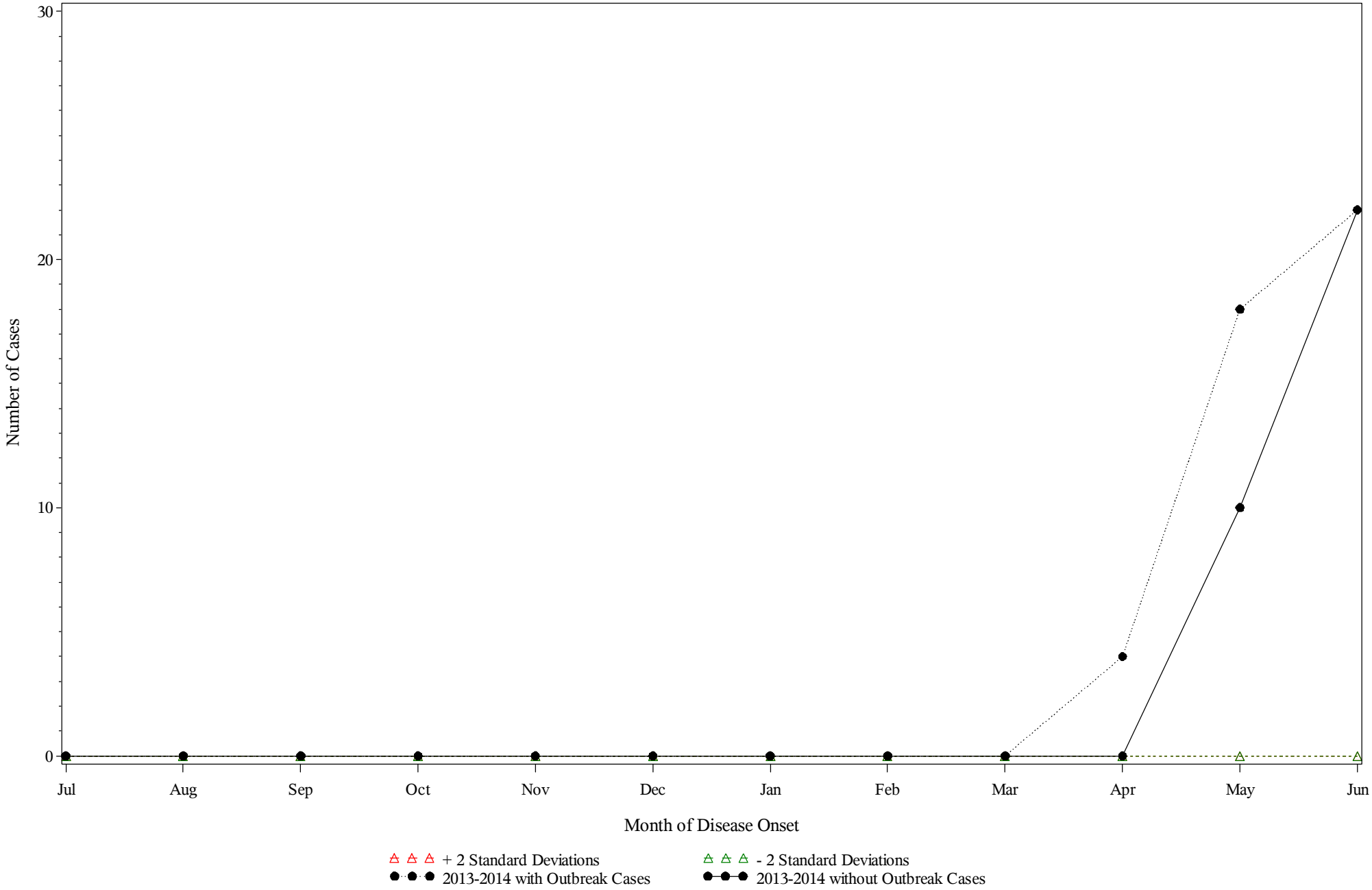
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Measles



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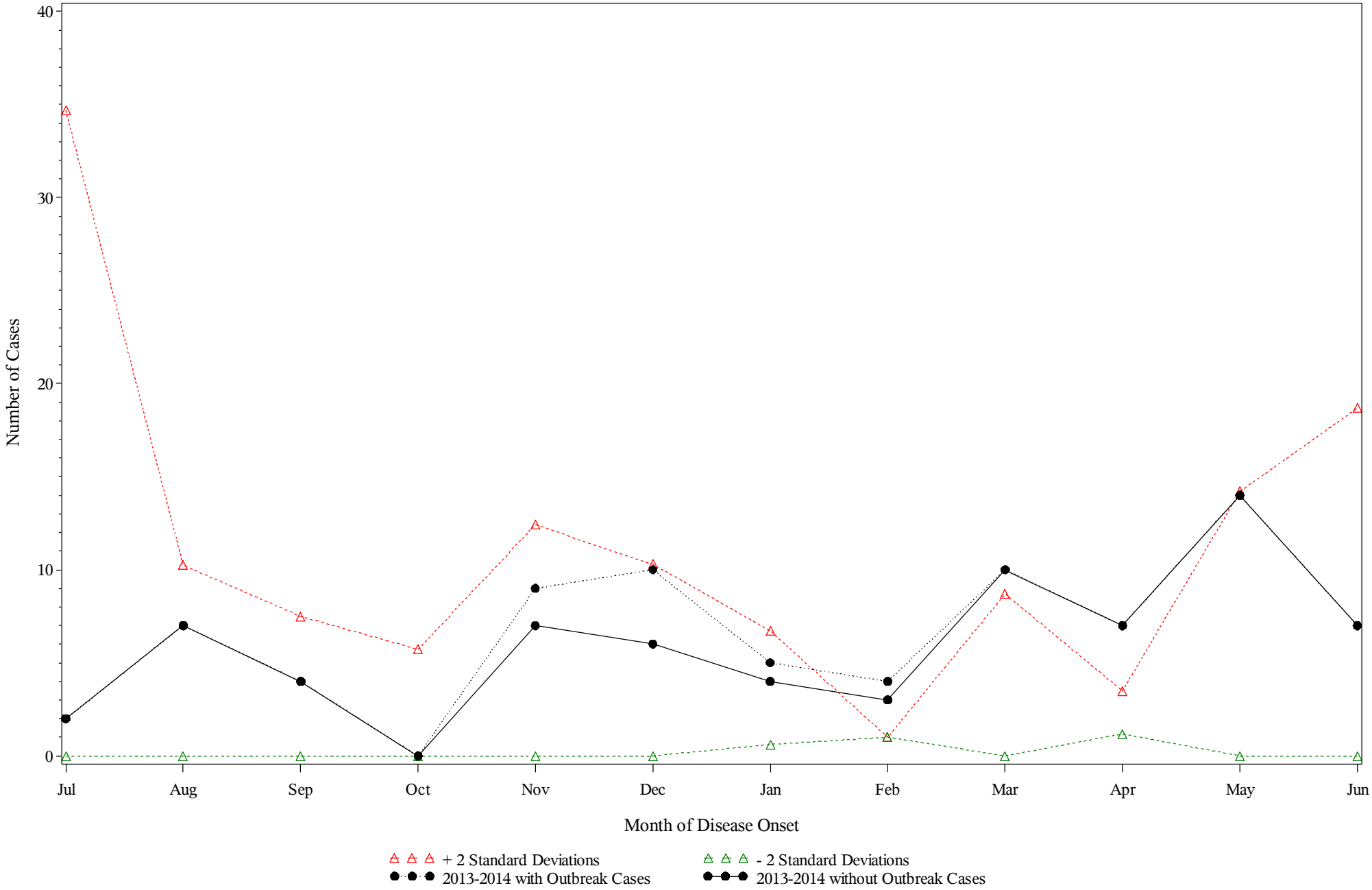
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Pertussis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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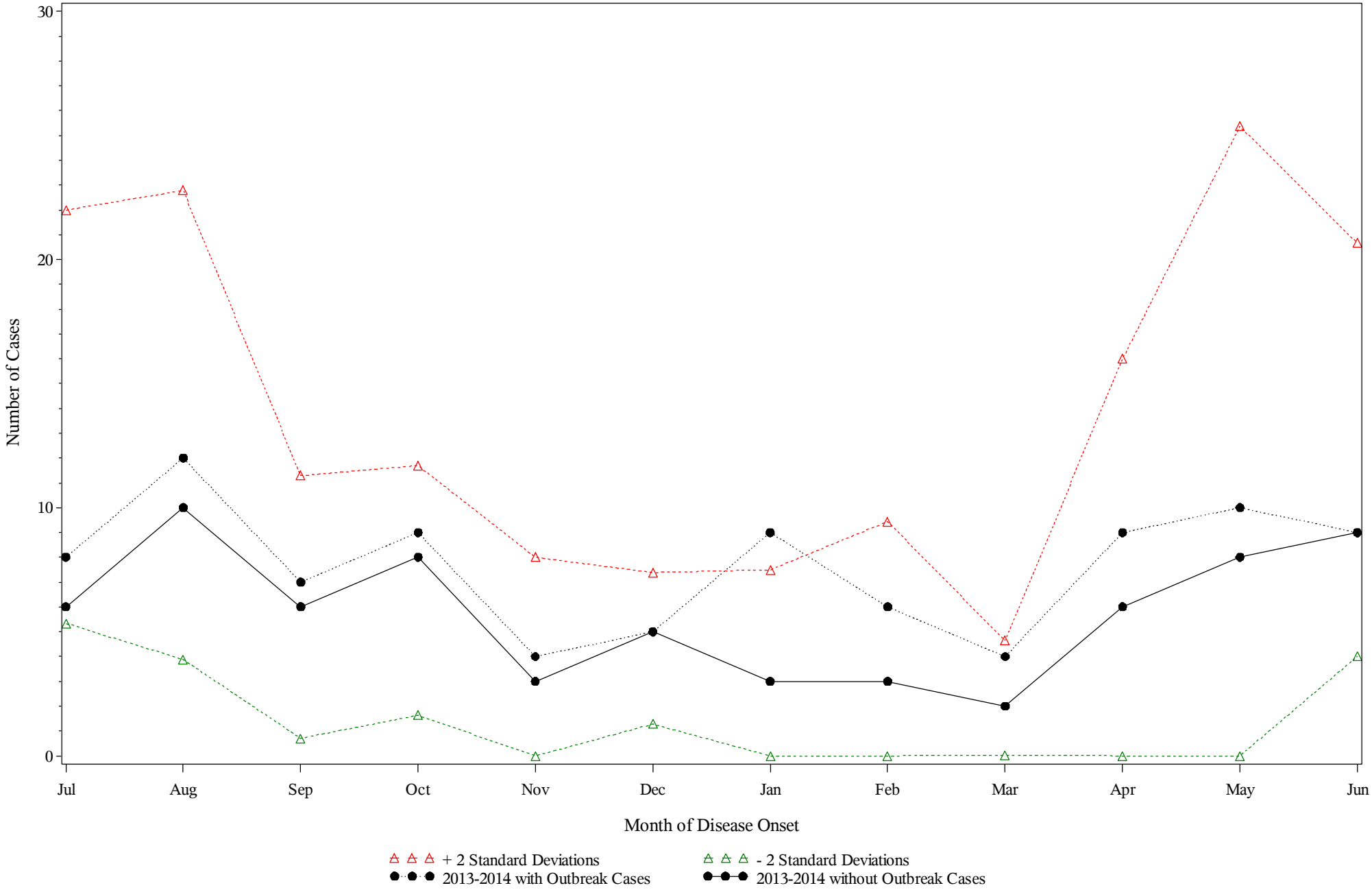
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Salmonellosis



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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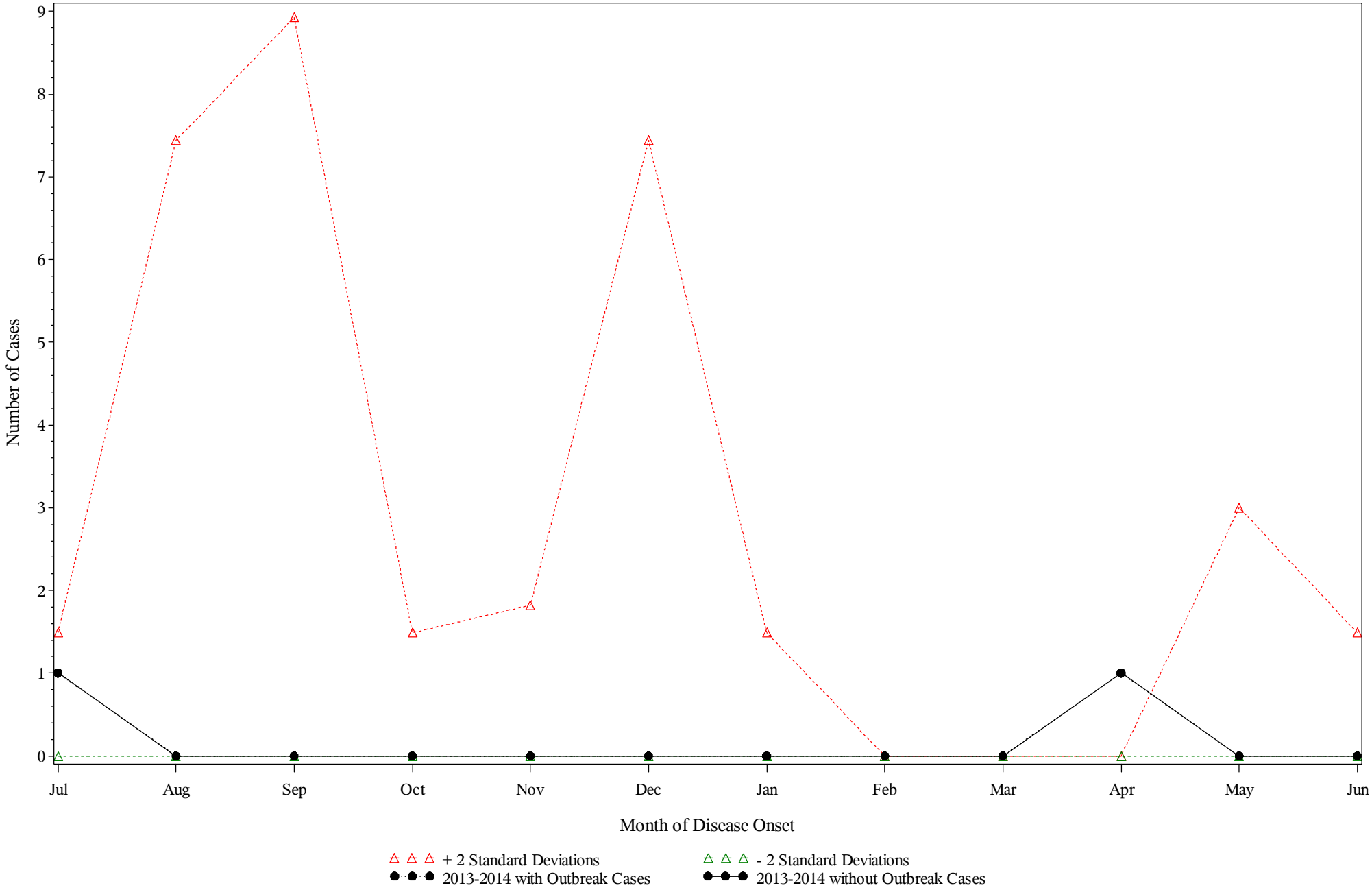
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Shigellosis



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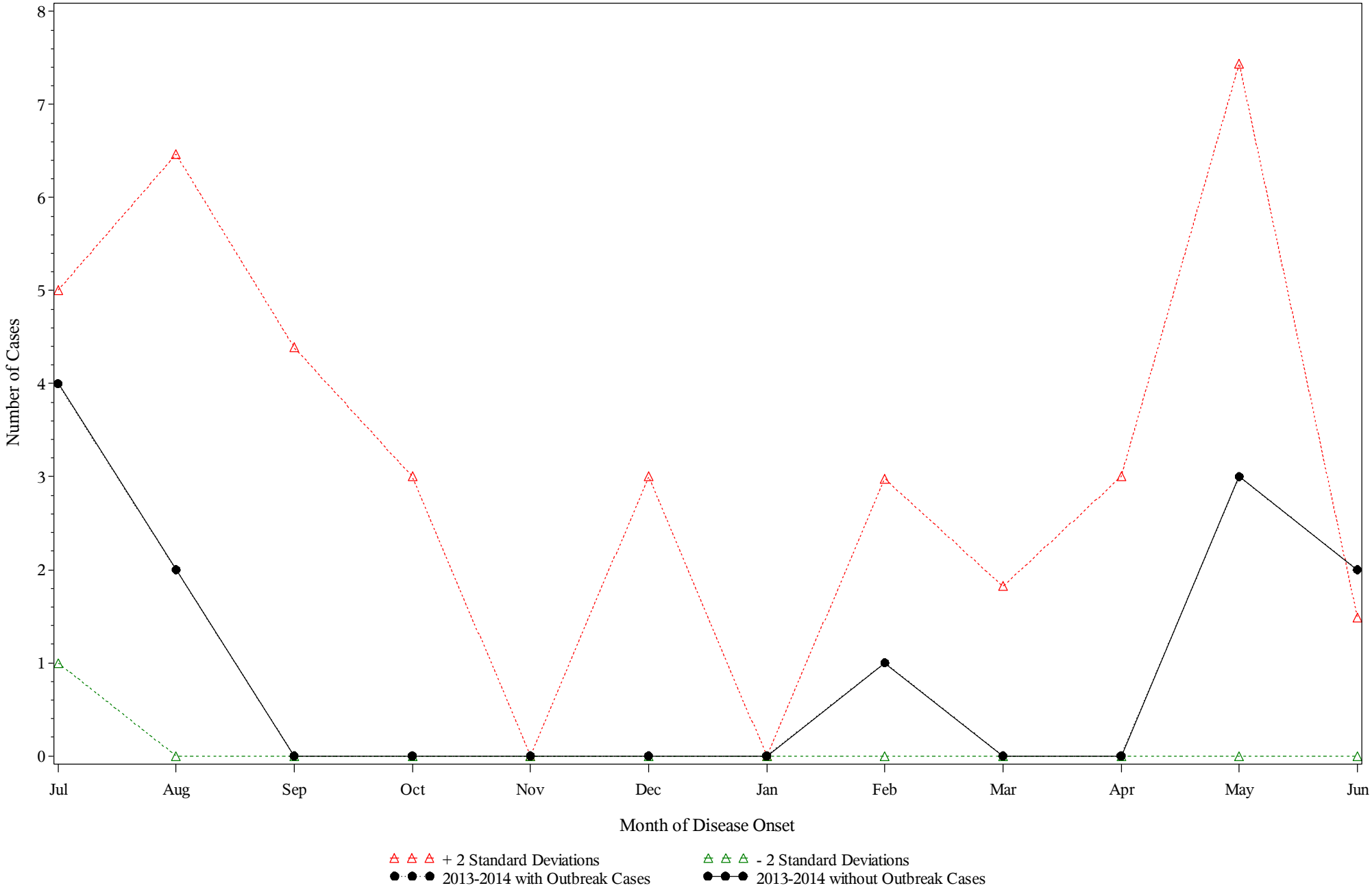
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Shiga Toxin-Producing Escherichia coli



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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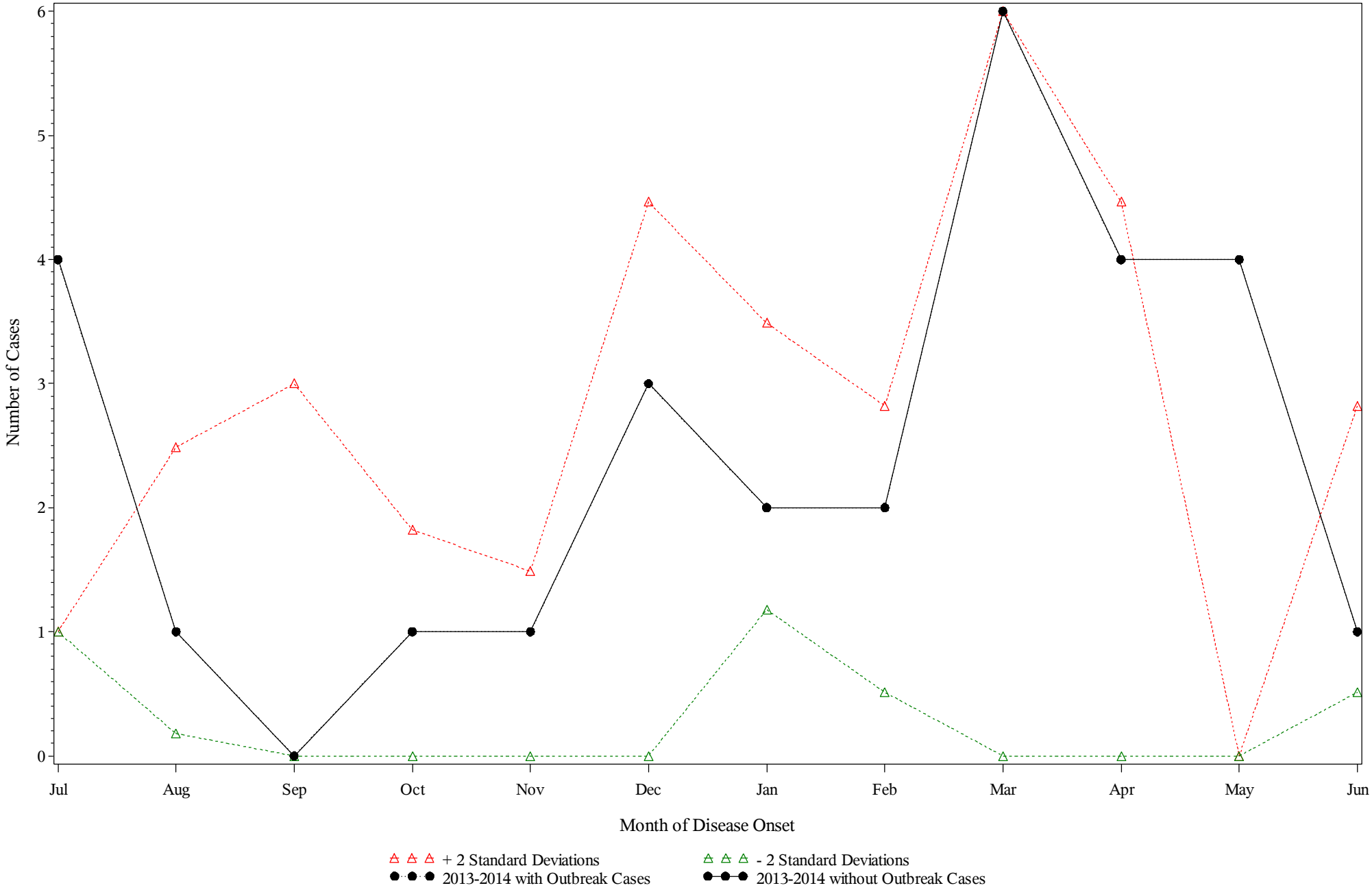
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Streptococcal Disease, Group A, Invasive



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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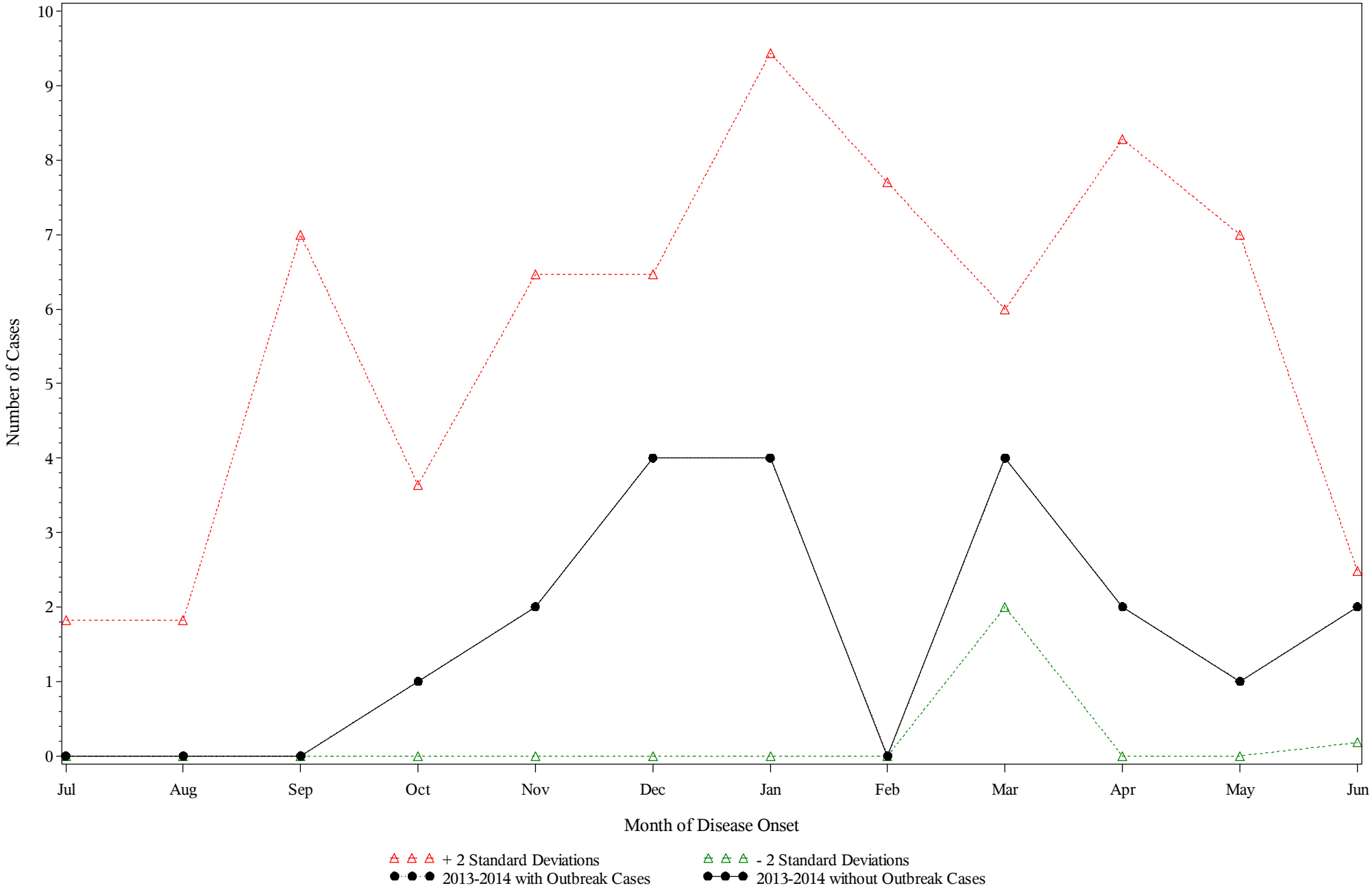
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast **Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate**



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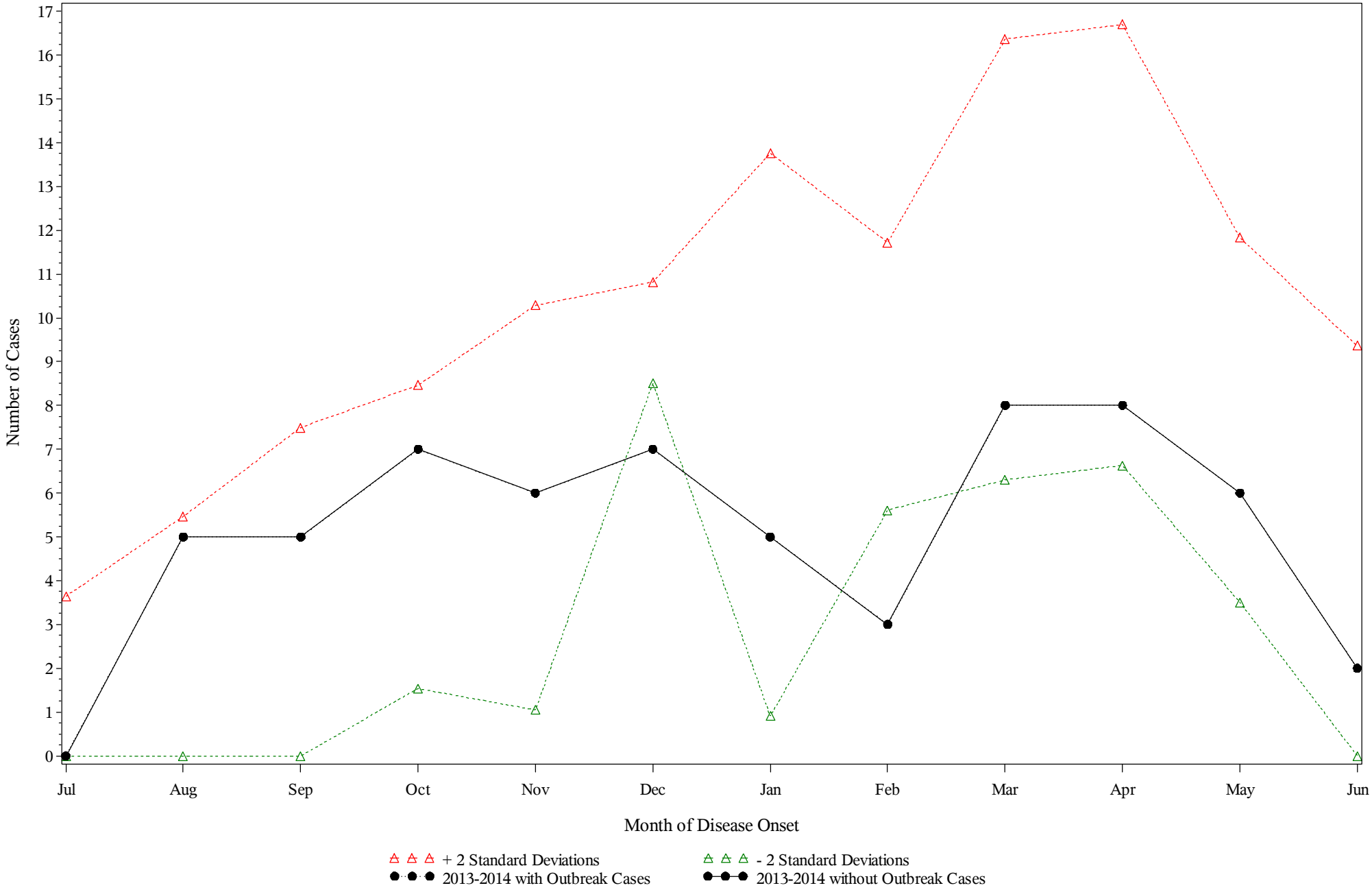
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



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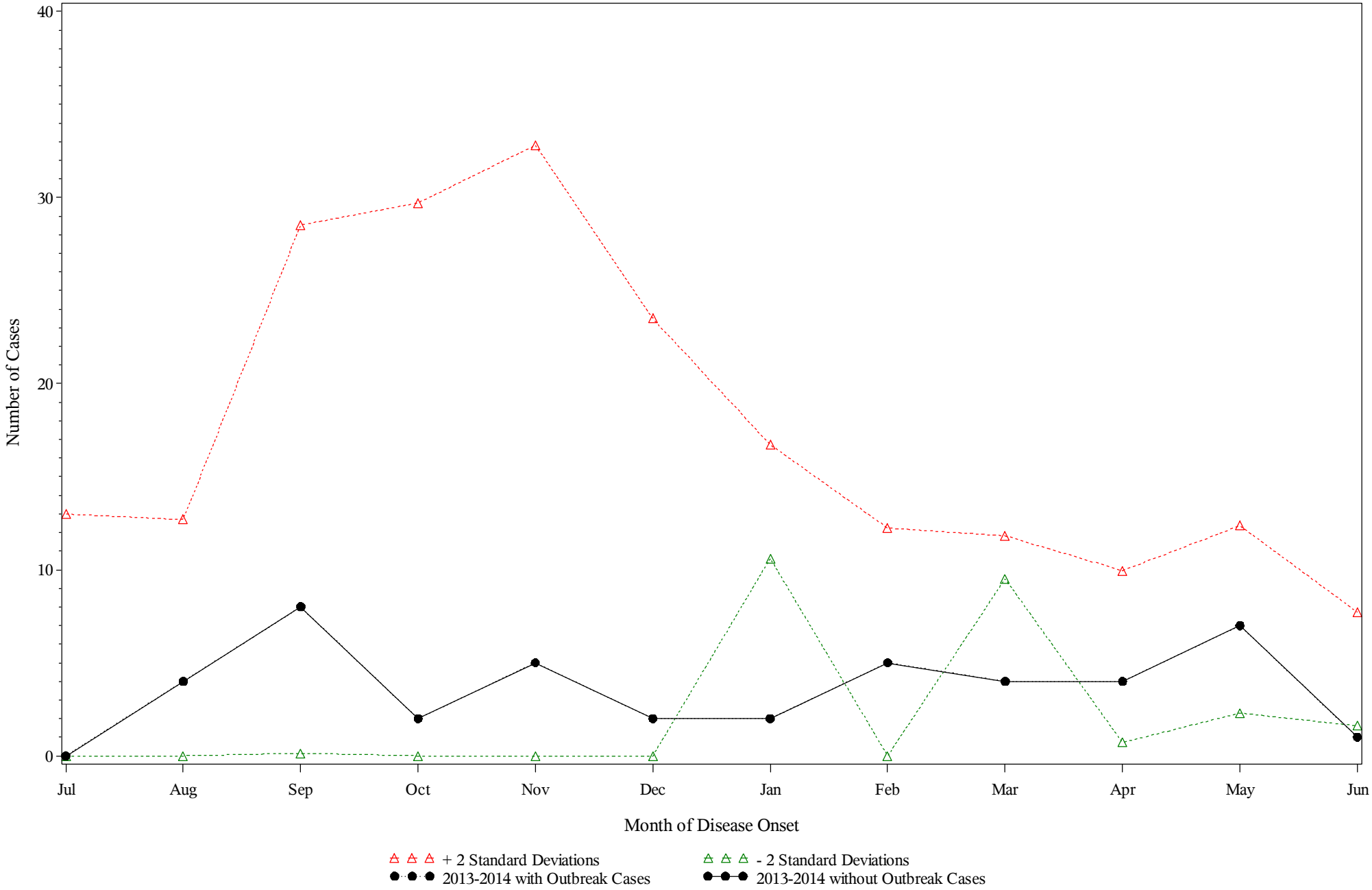
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southeast Varicella



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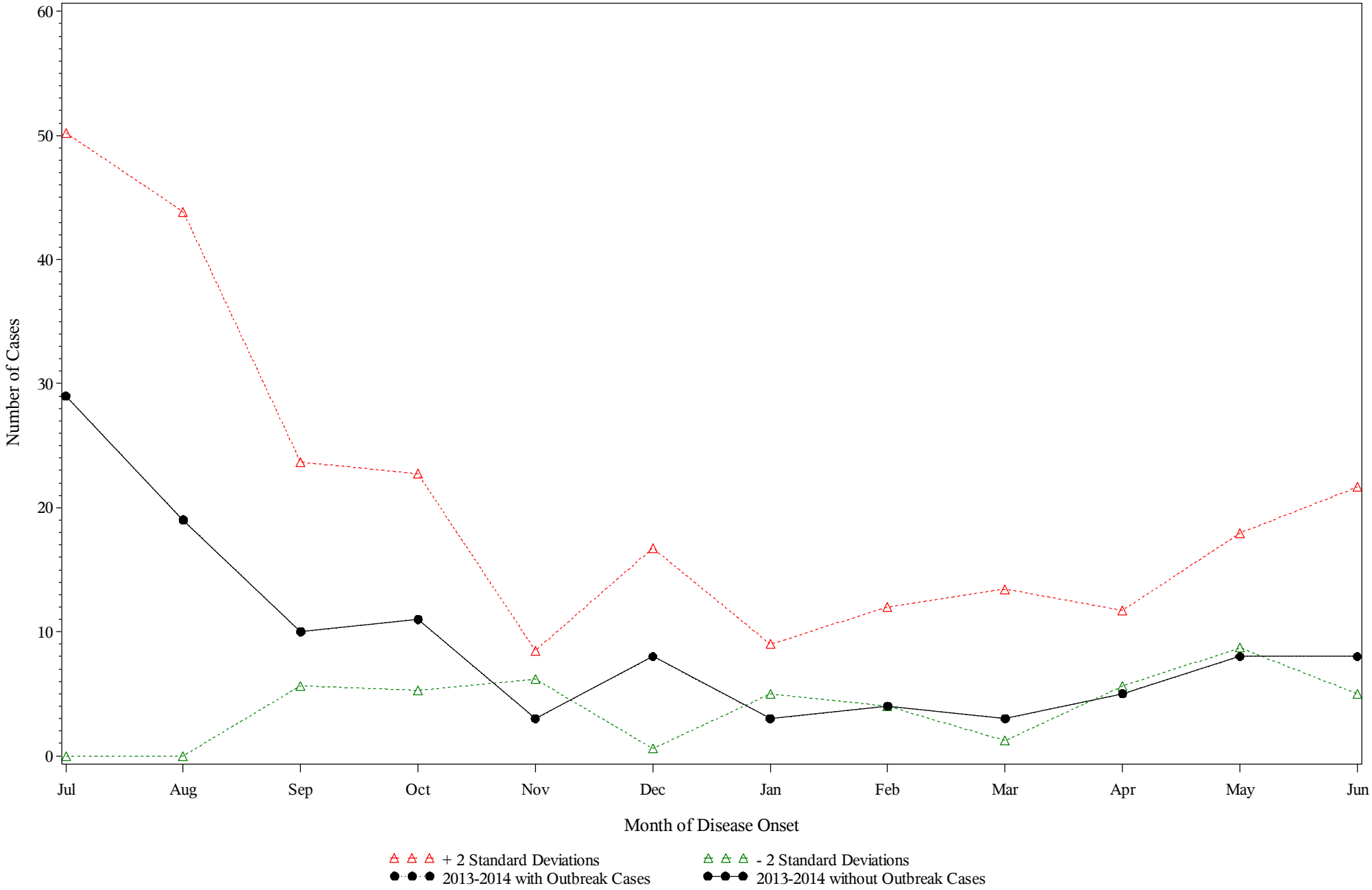
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Aseptic Meningitis



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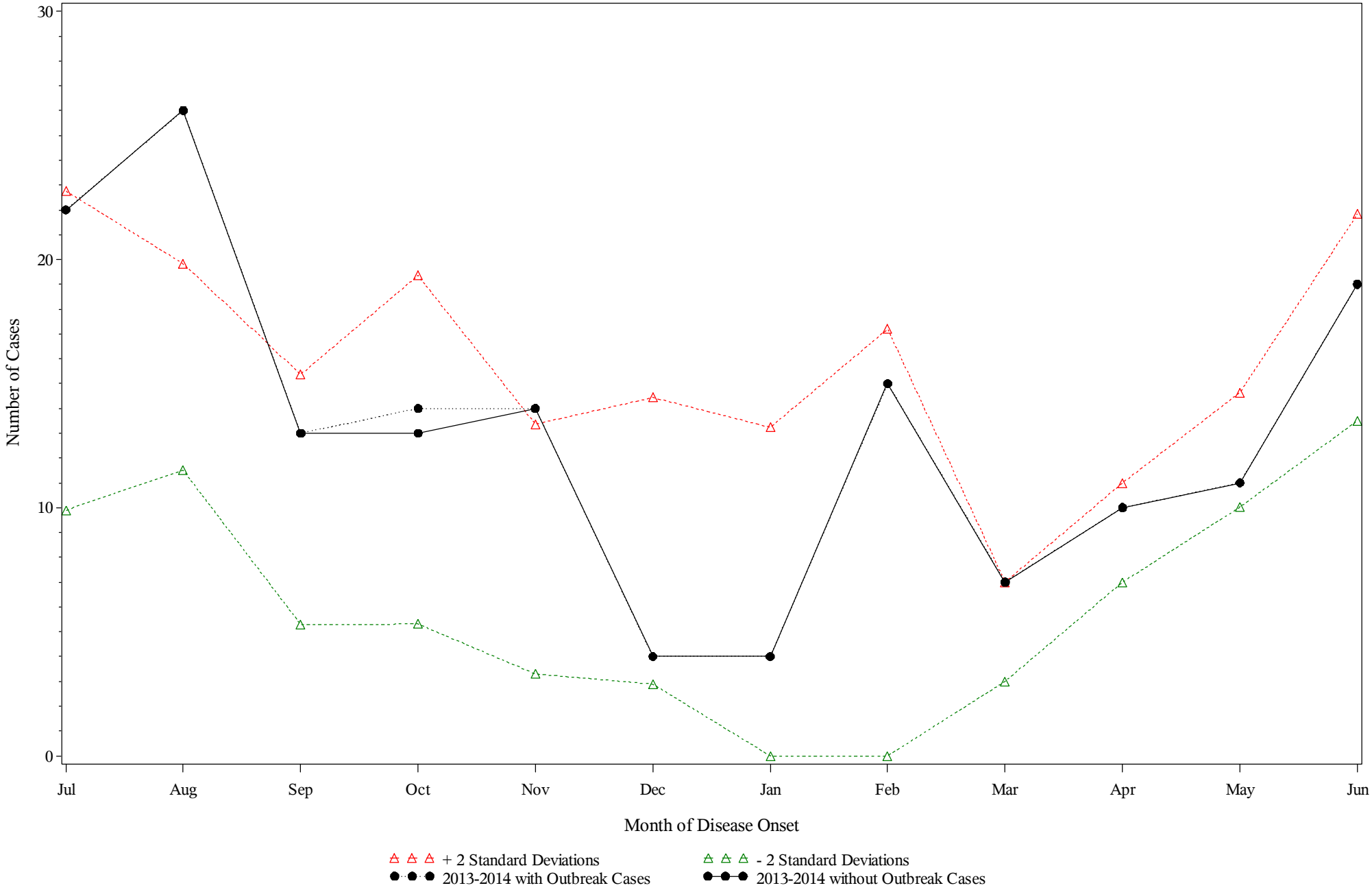
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Campylobacteriosis



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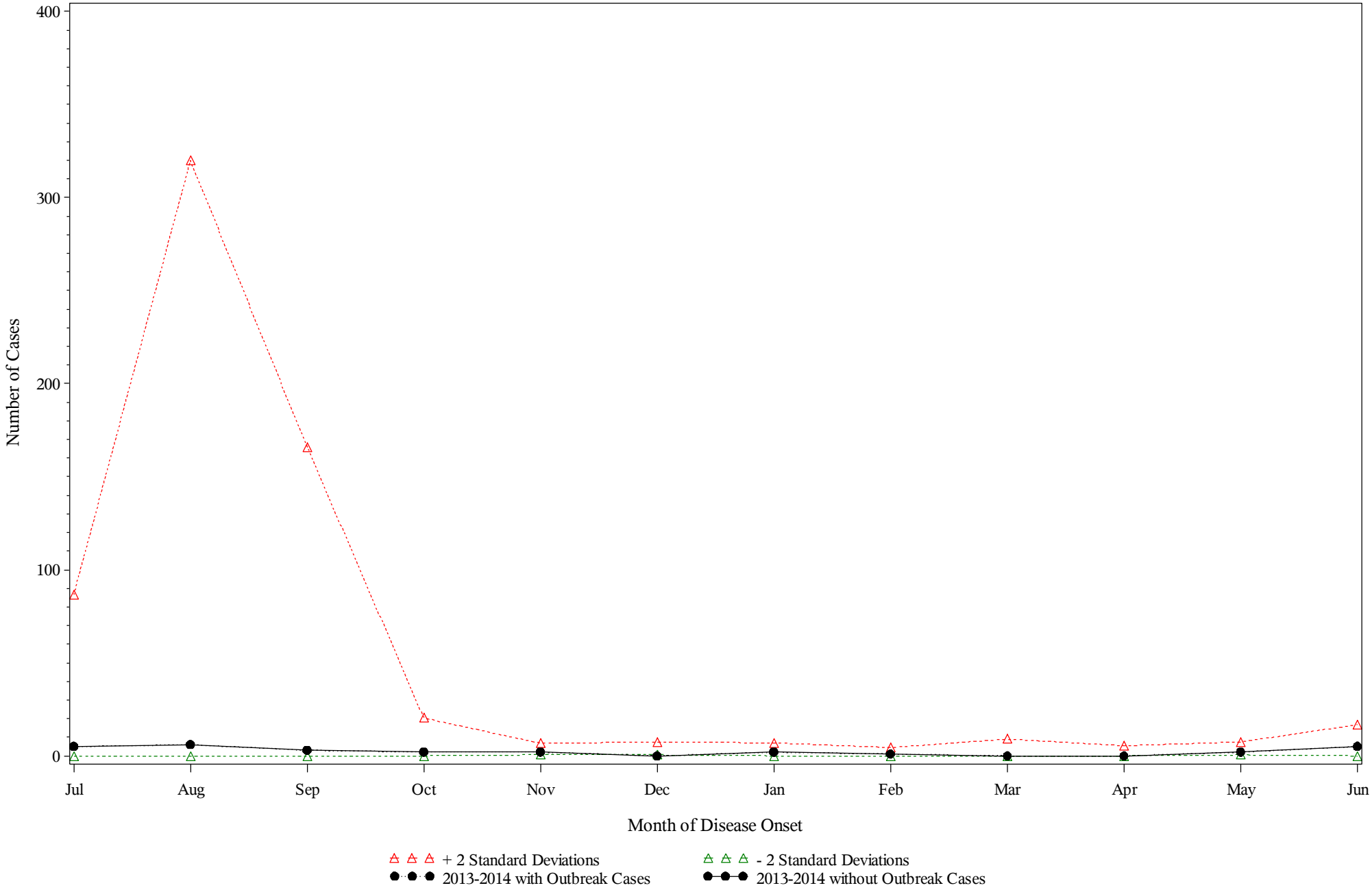
Southwest Cryptosporidiosis



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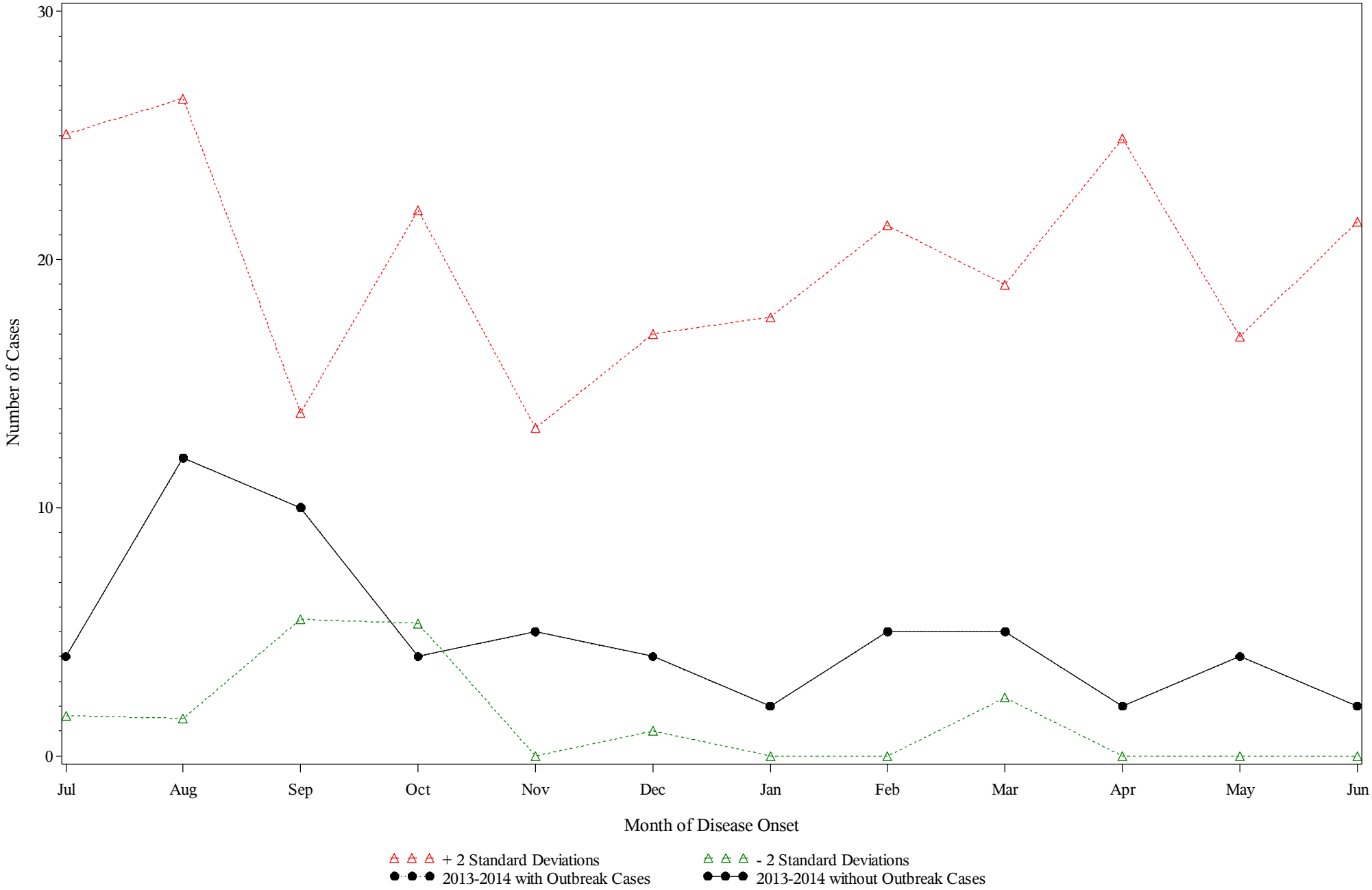
Southwest Giardiasis



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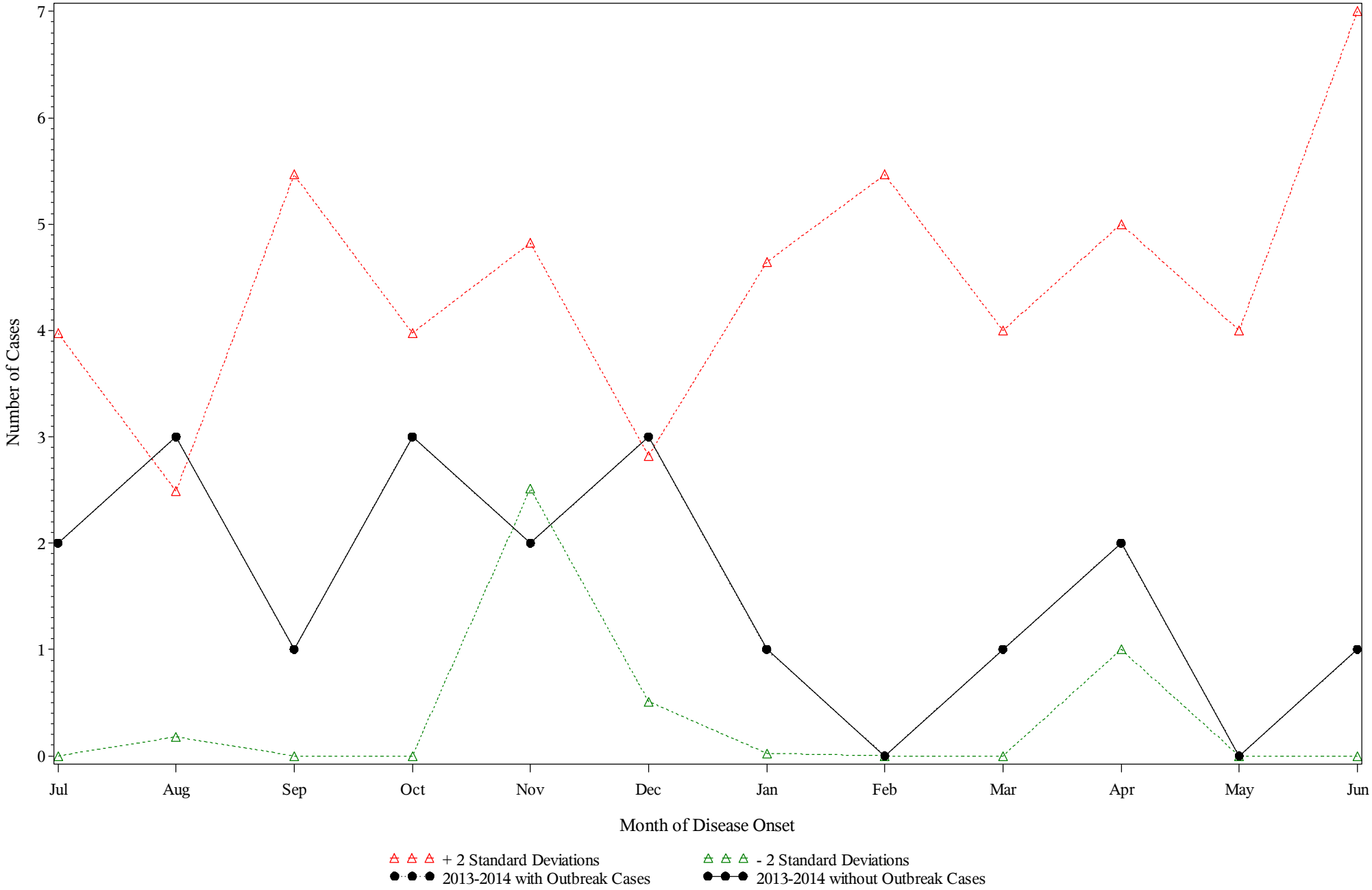
Southwest Haemophilus influenzae, Invasive



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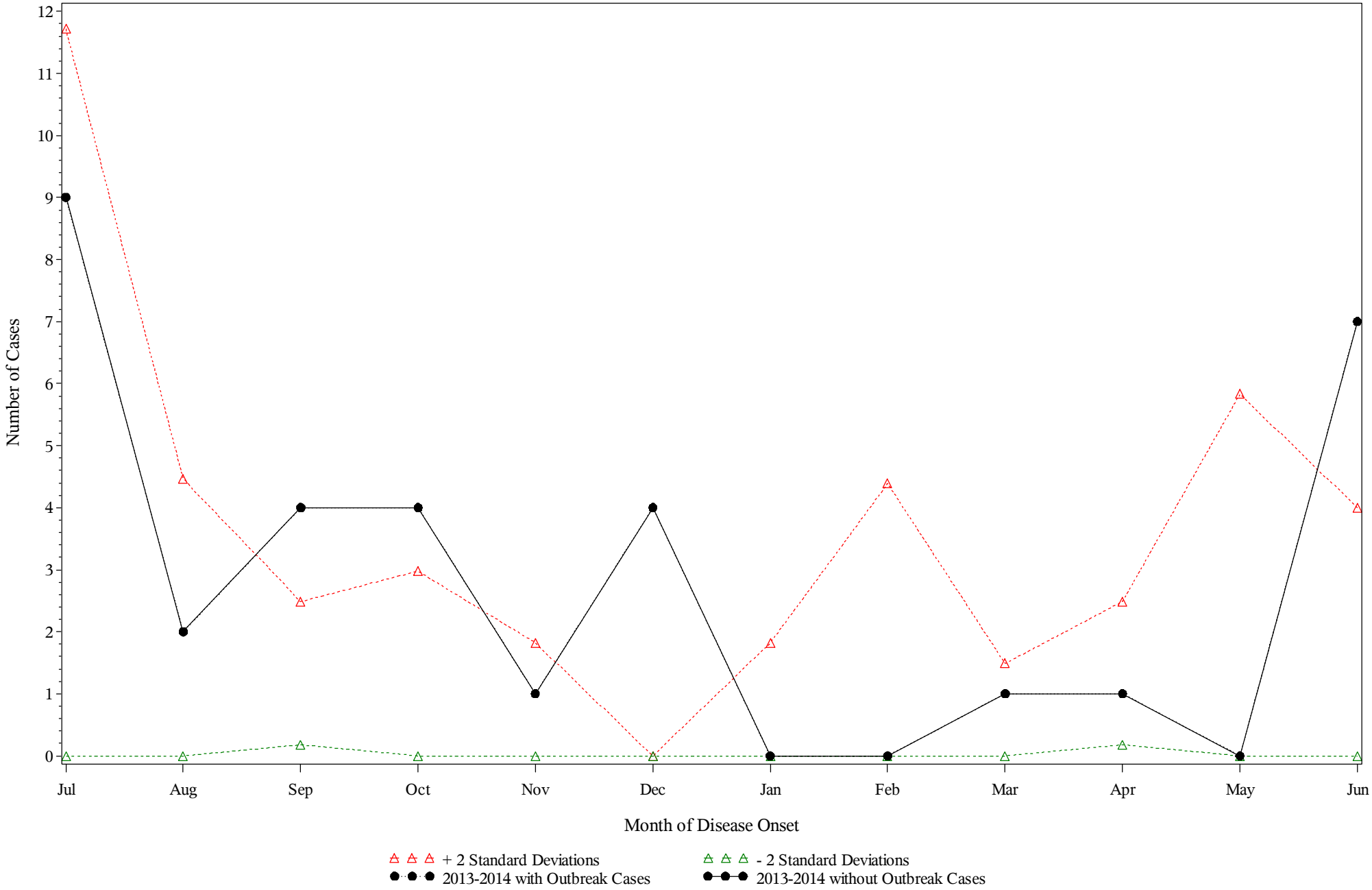
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Legionellosis



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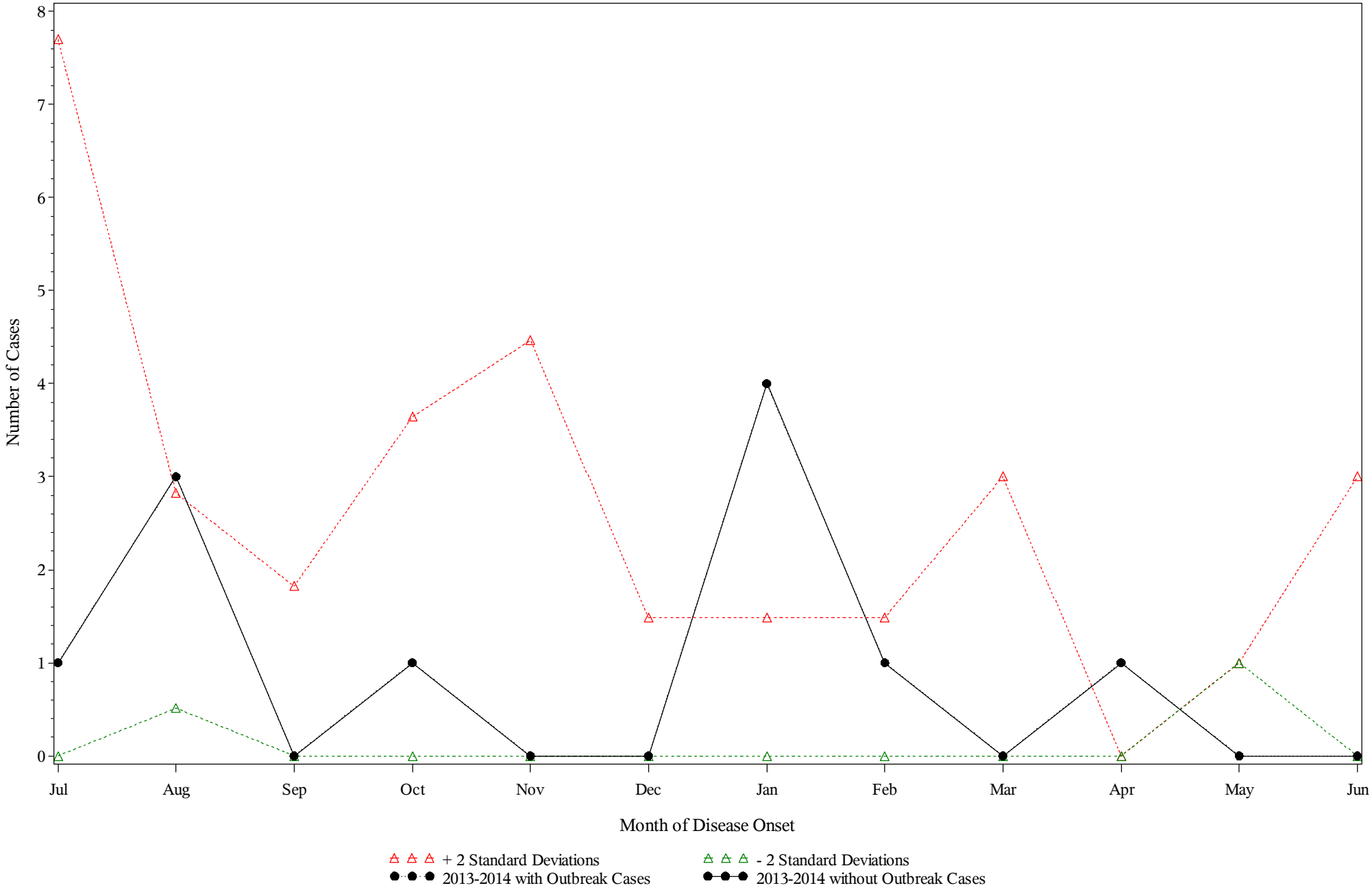
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Bacterial Meningitis



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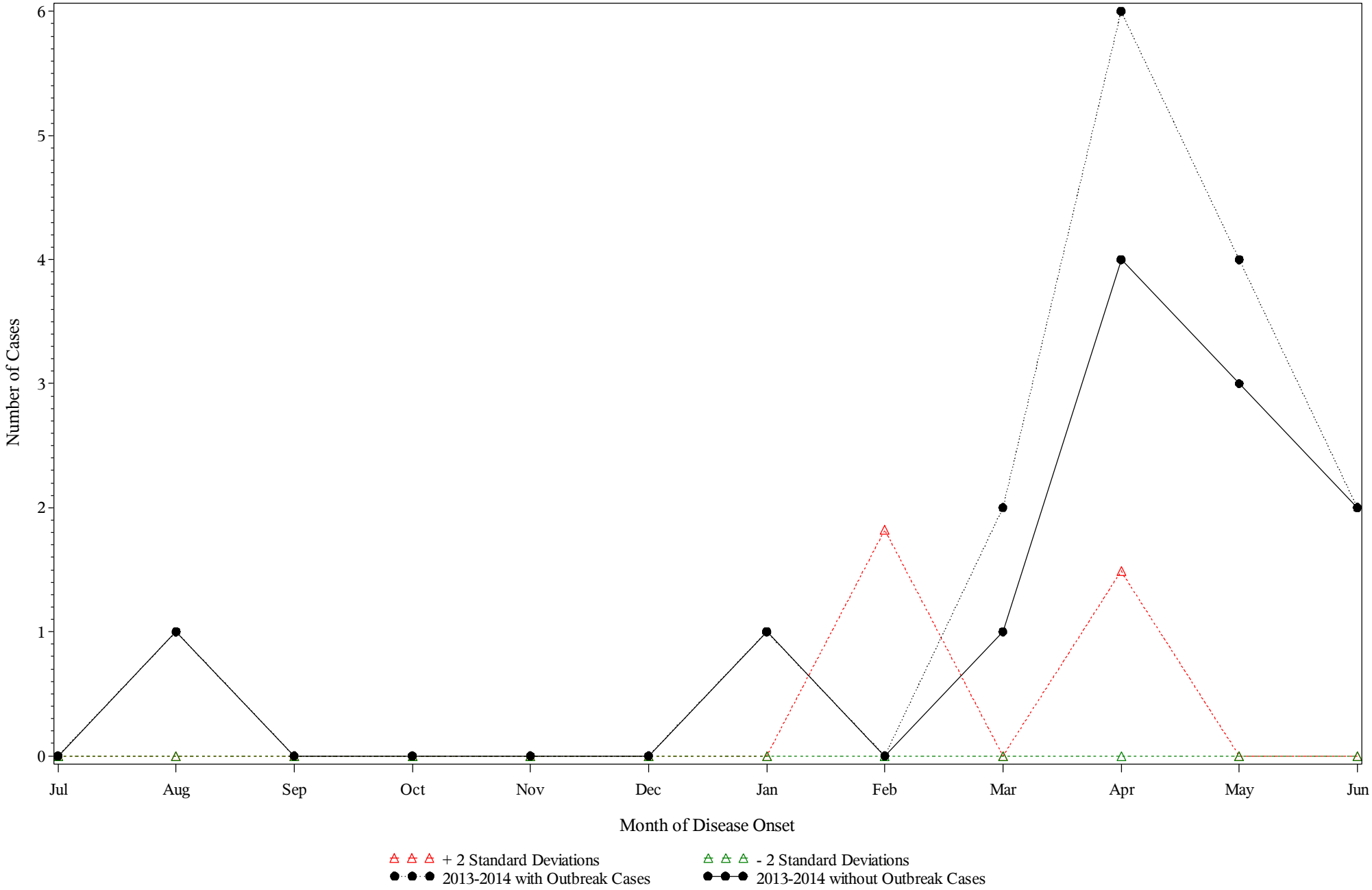
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Mumps



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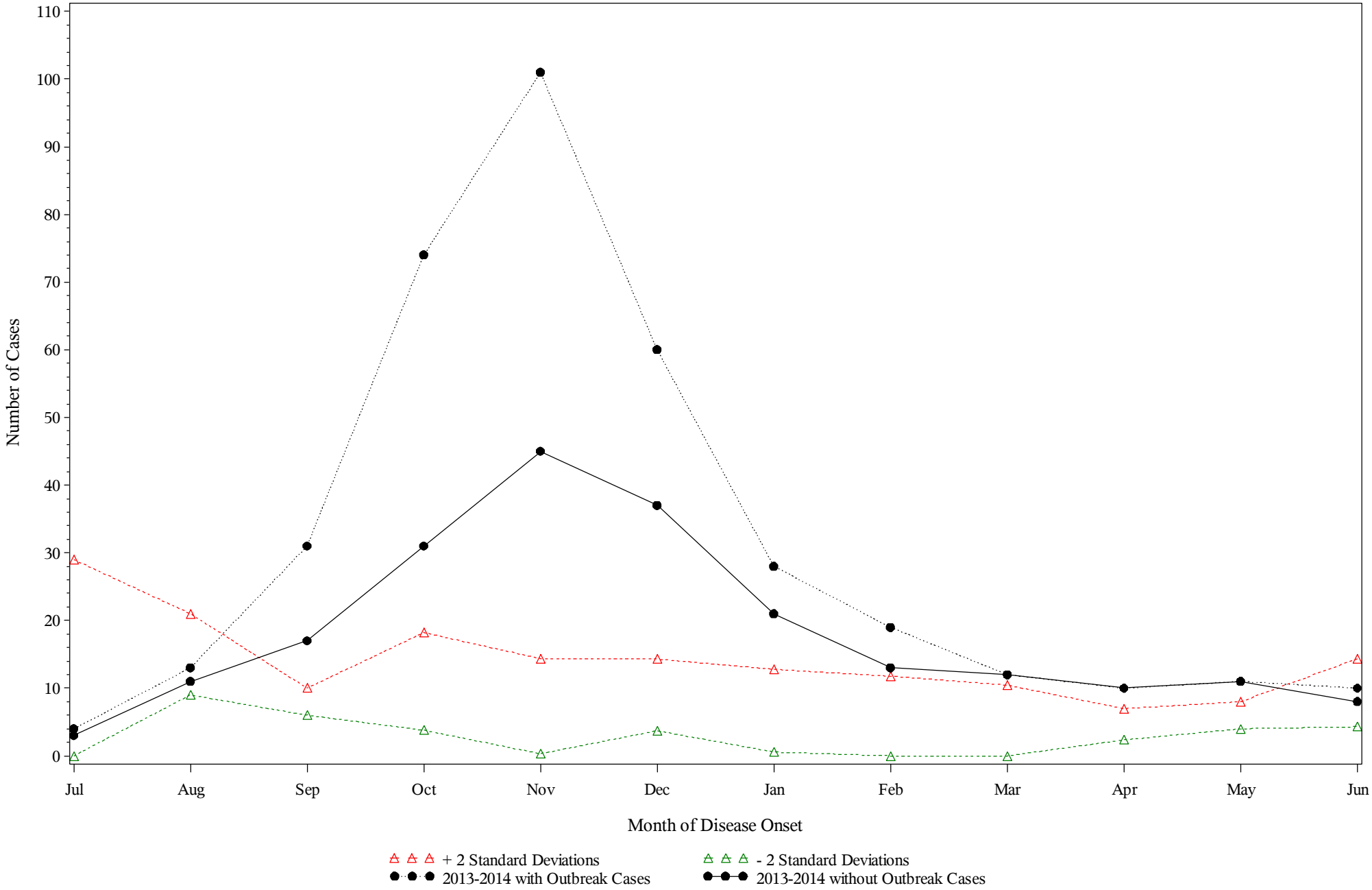
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Pertussis



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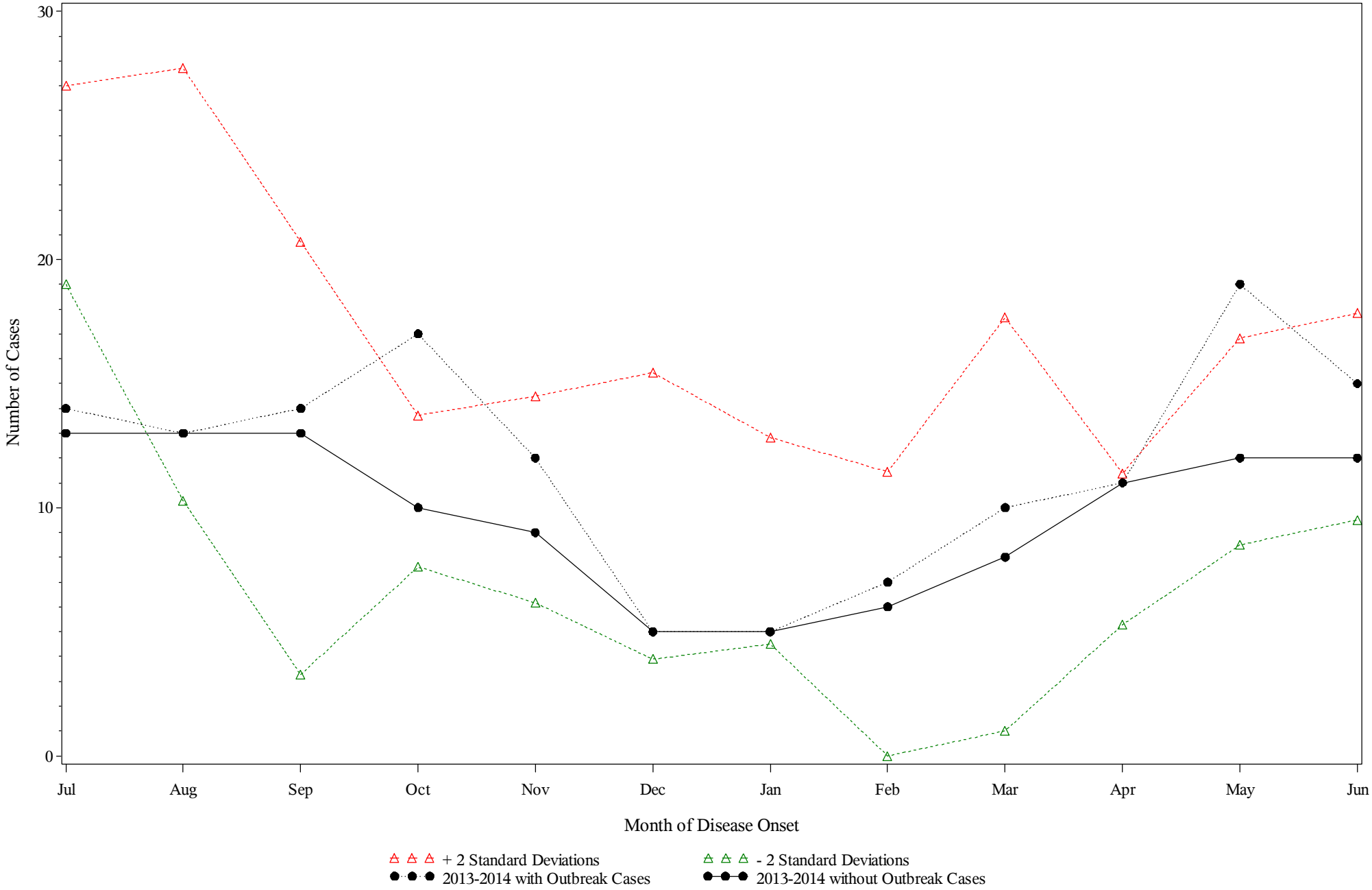
Southwest Salmonellosis



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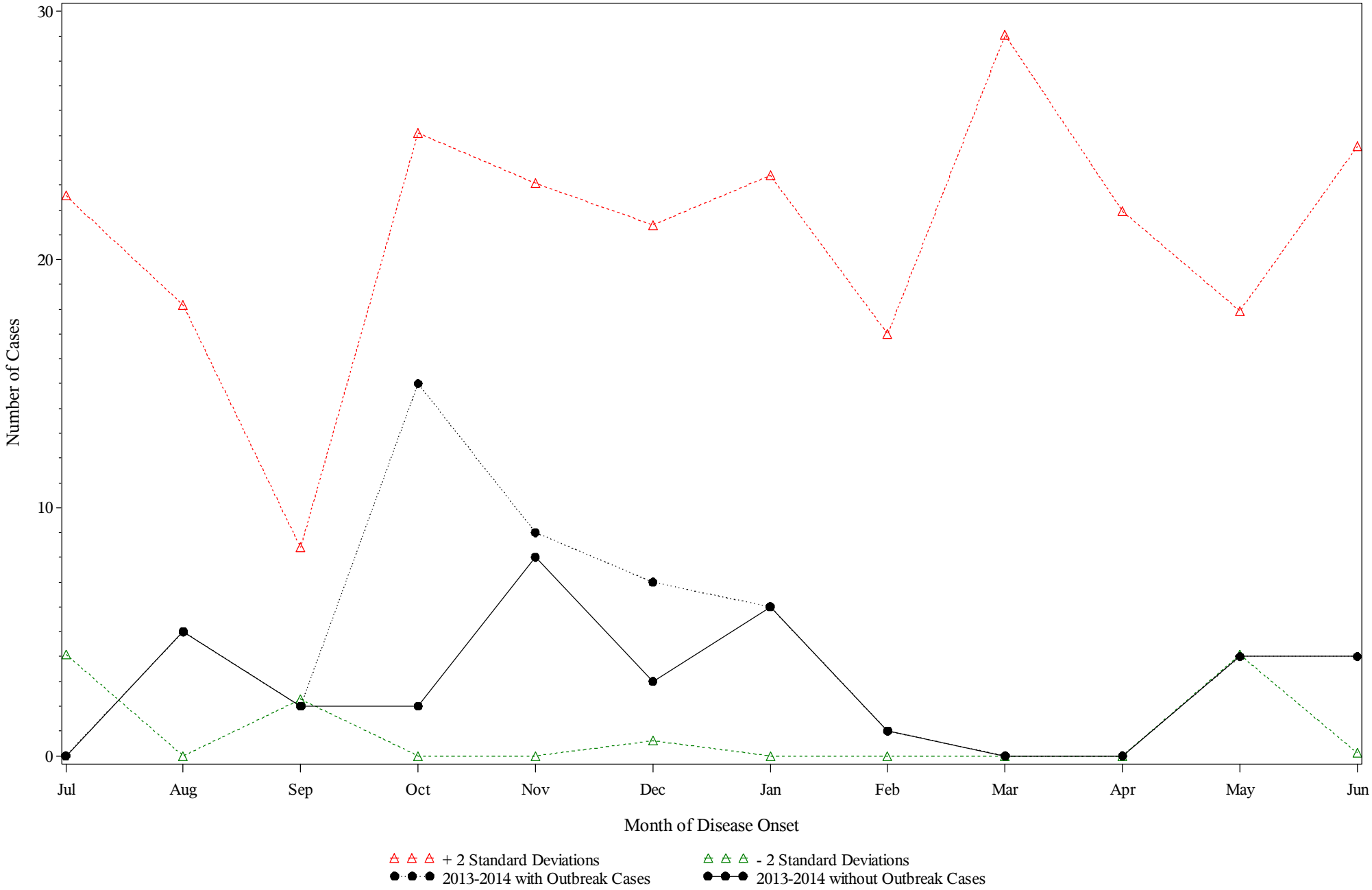
Southwest Shigellosis



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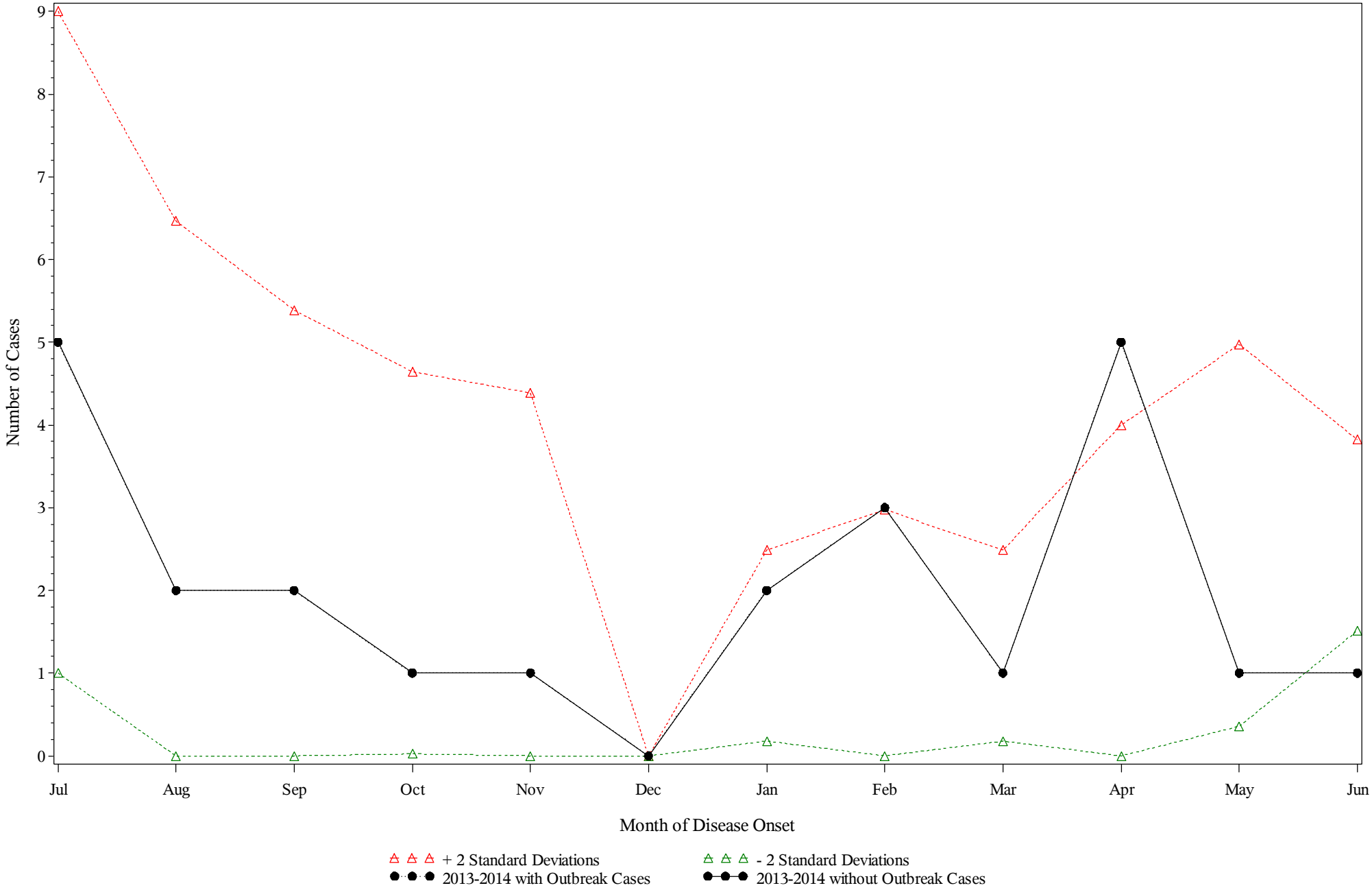
Southwest Shiga Toxin-Producing Escherichia coli



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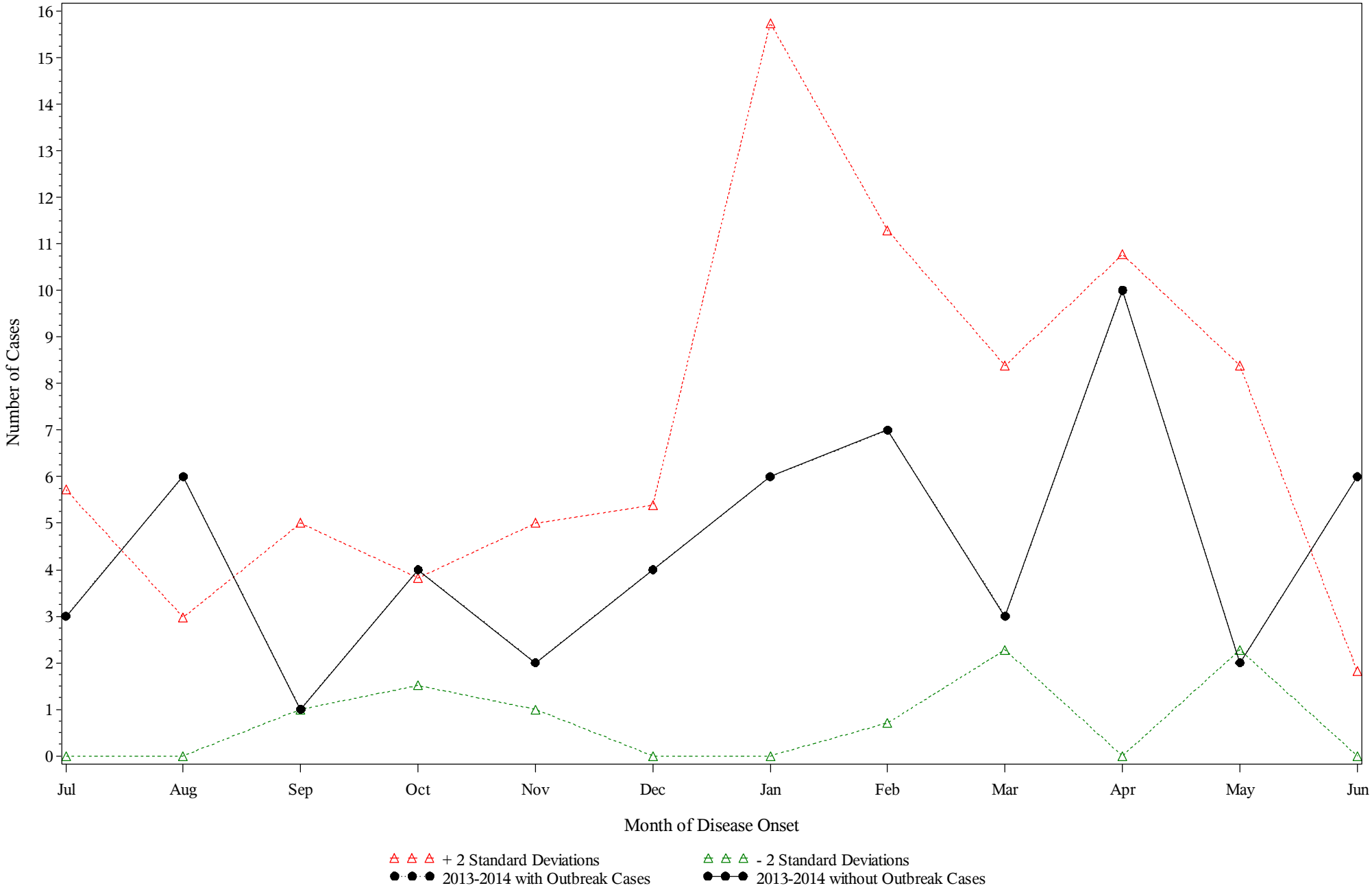
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

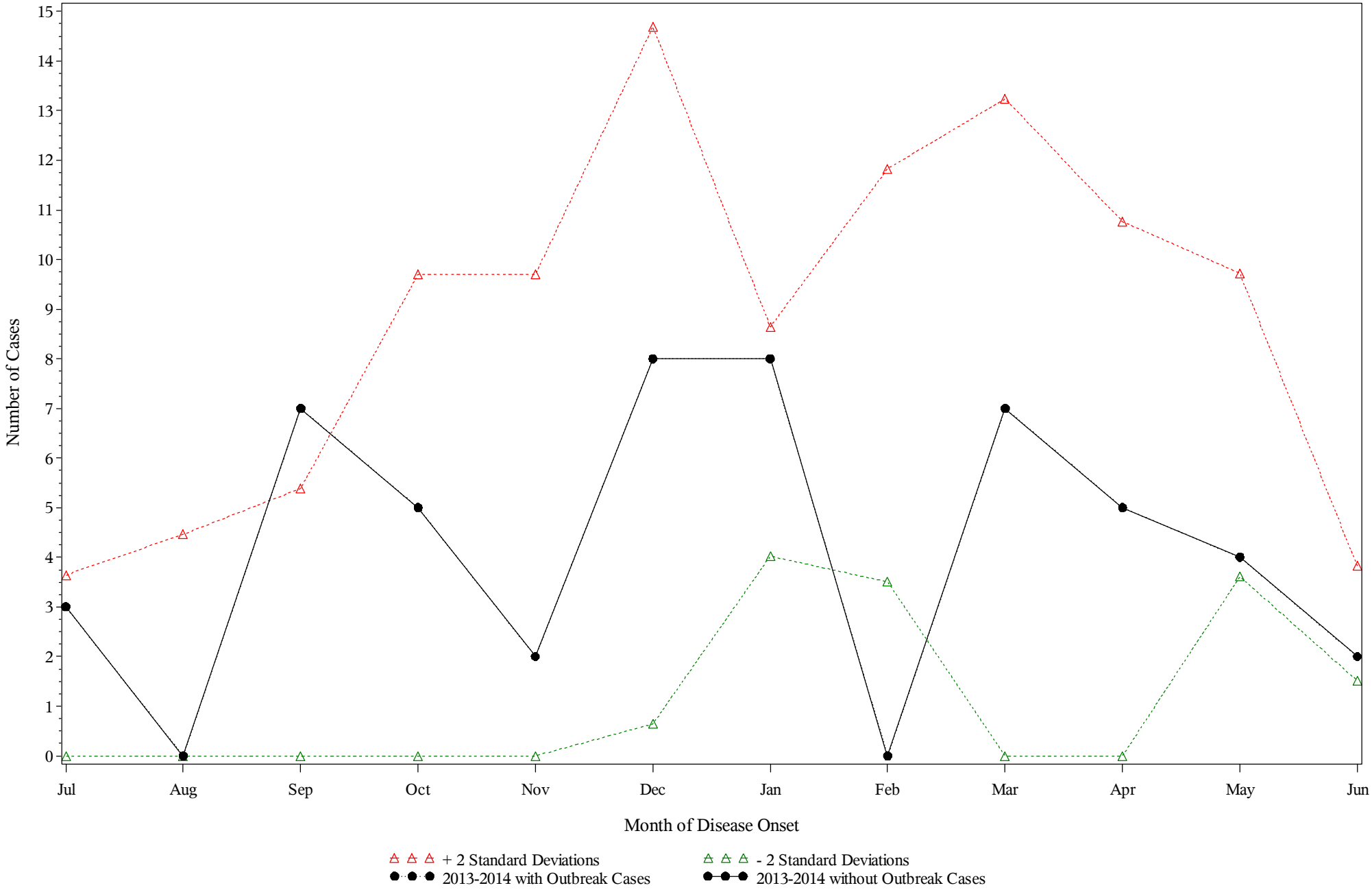
Southwest Streptococcal Disease, Group A, Invasive



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
Current as of 07/20/2014
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate



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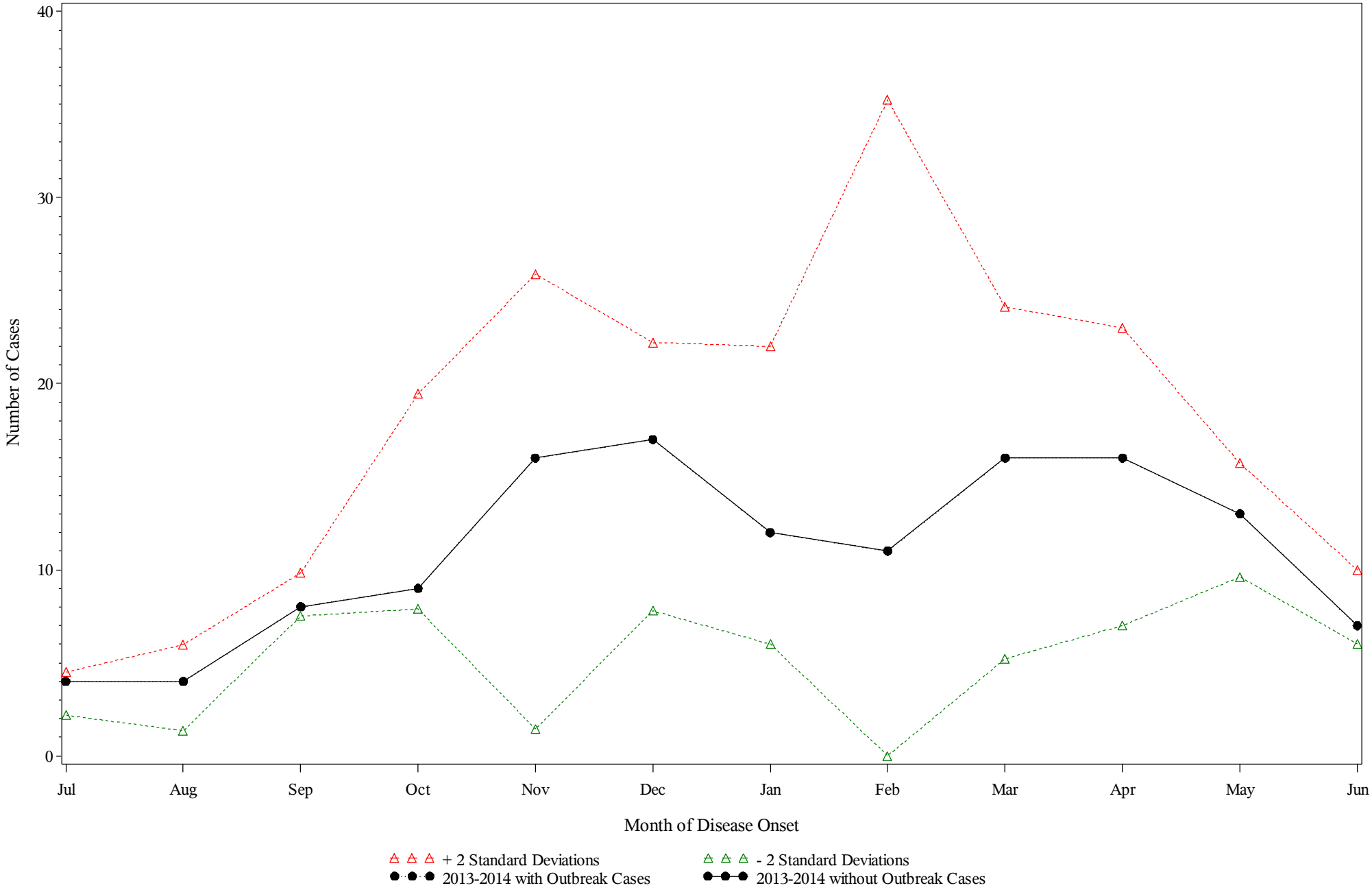
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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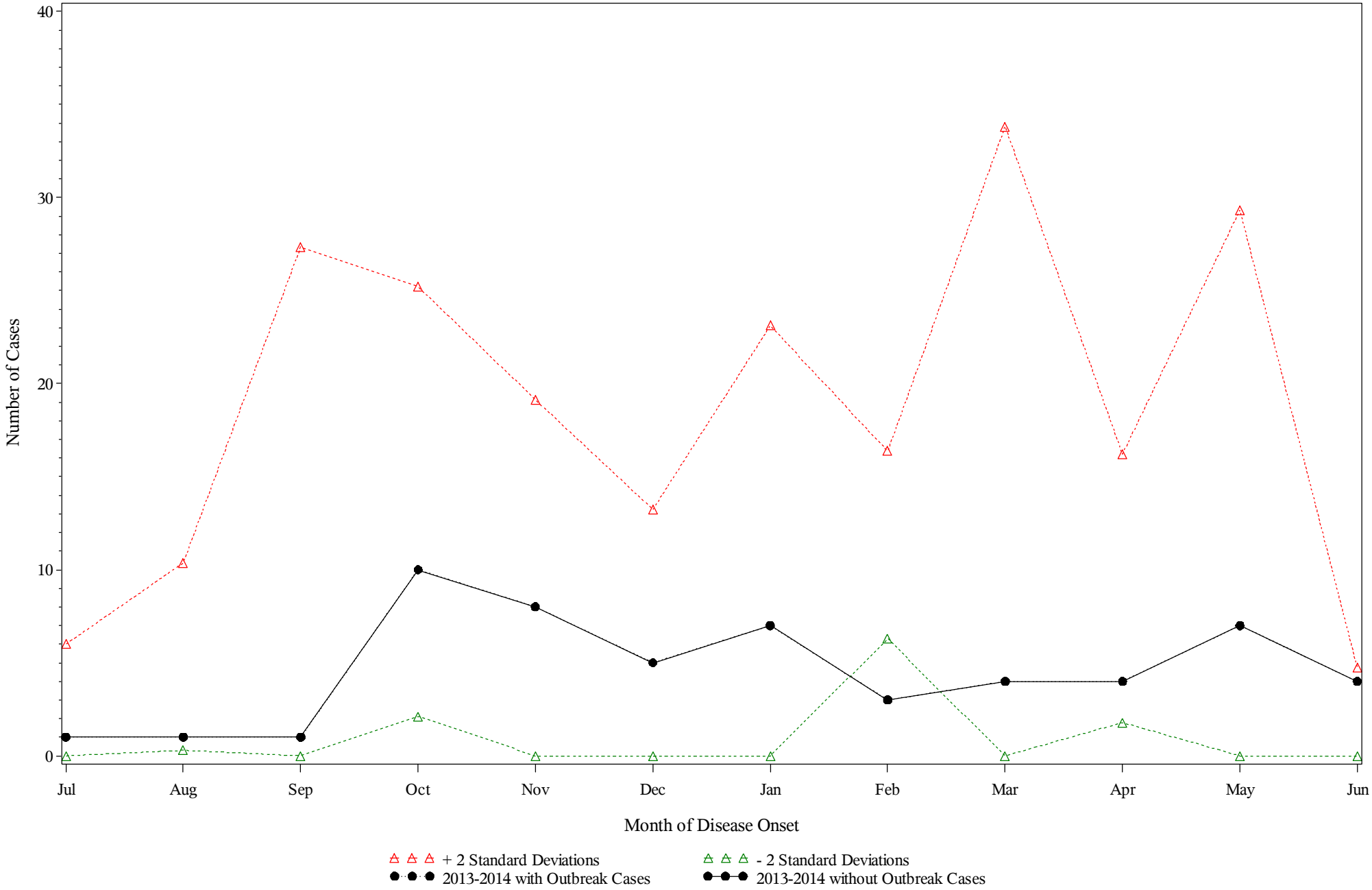
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest Varicella



Baseline Trends are 2 Standard Deviations of Mean Counts from 2010-2012
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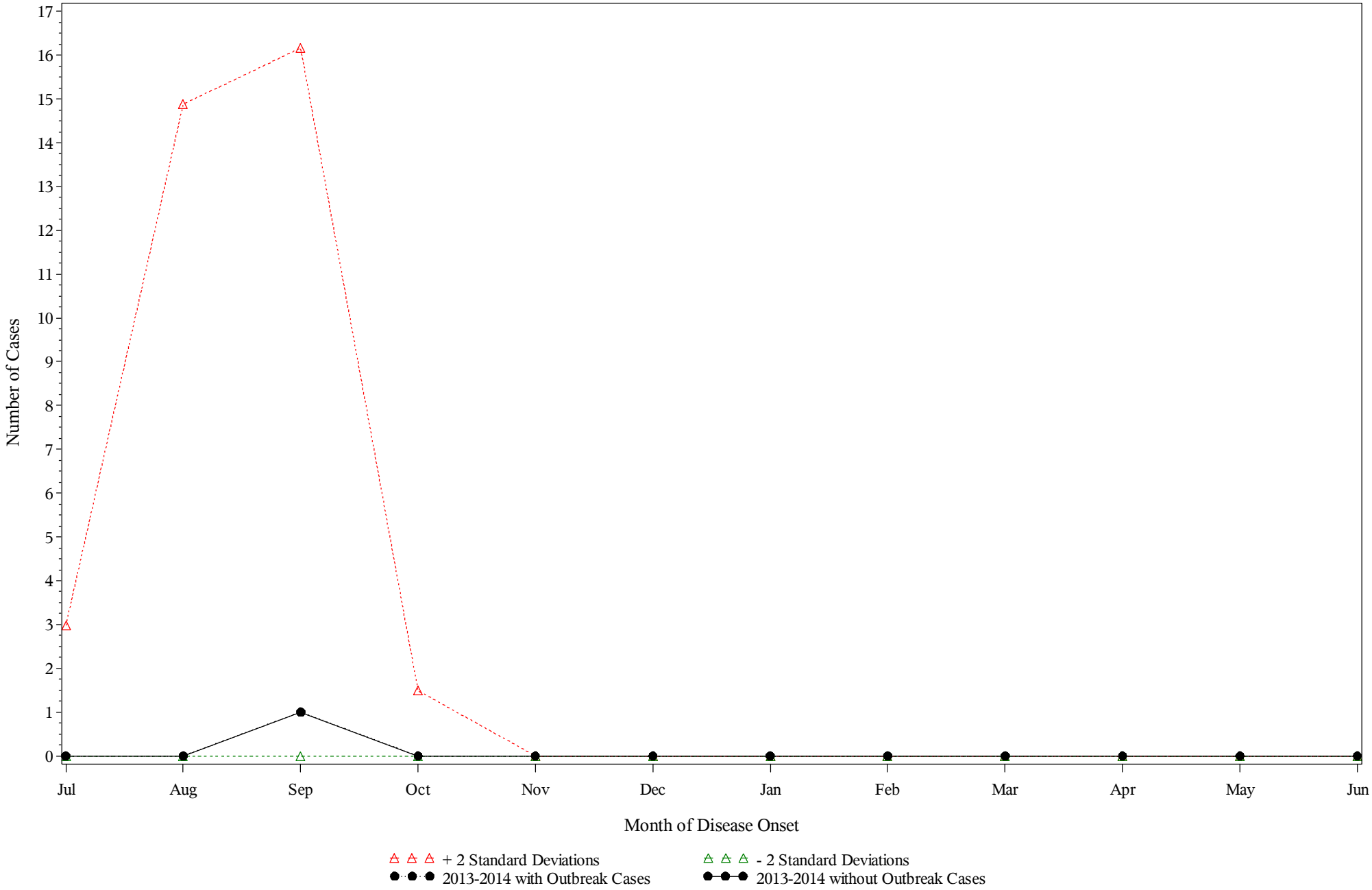
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

Southwest West Nile Virus Disease



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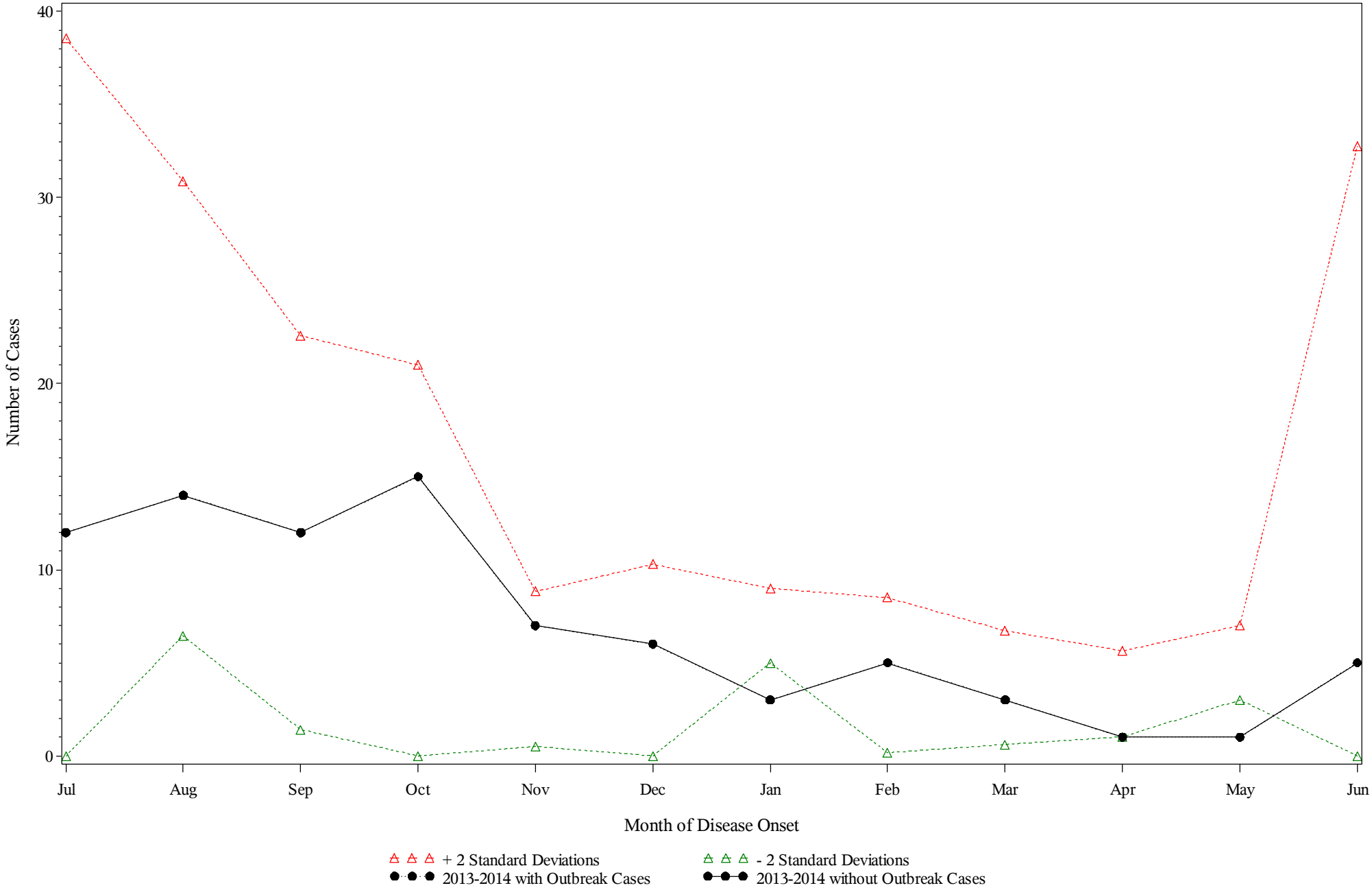
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Aseptic Meningitis



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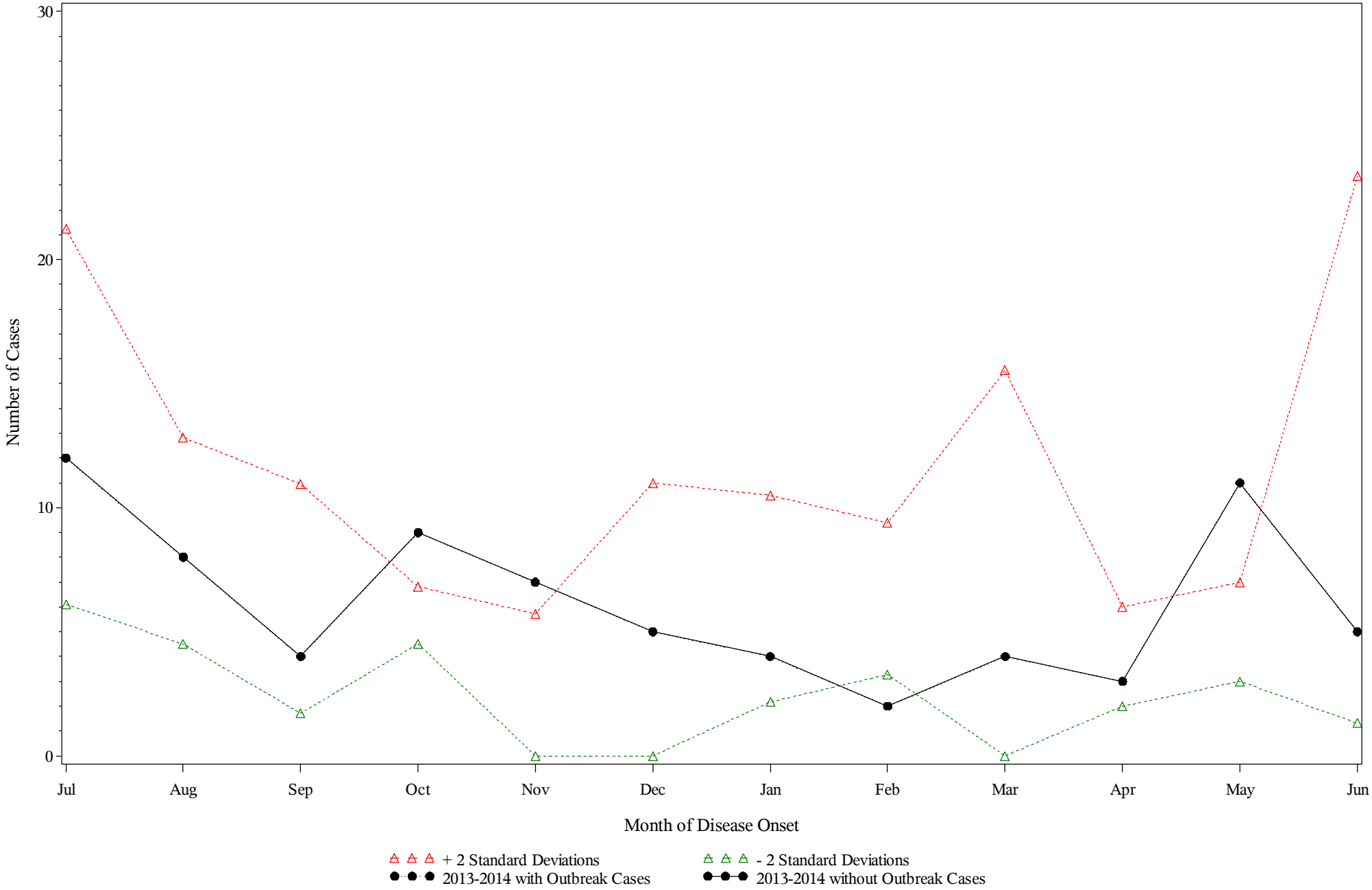
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Campylobacteriosis



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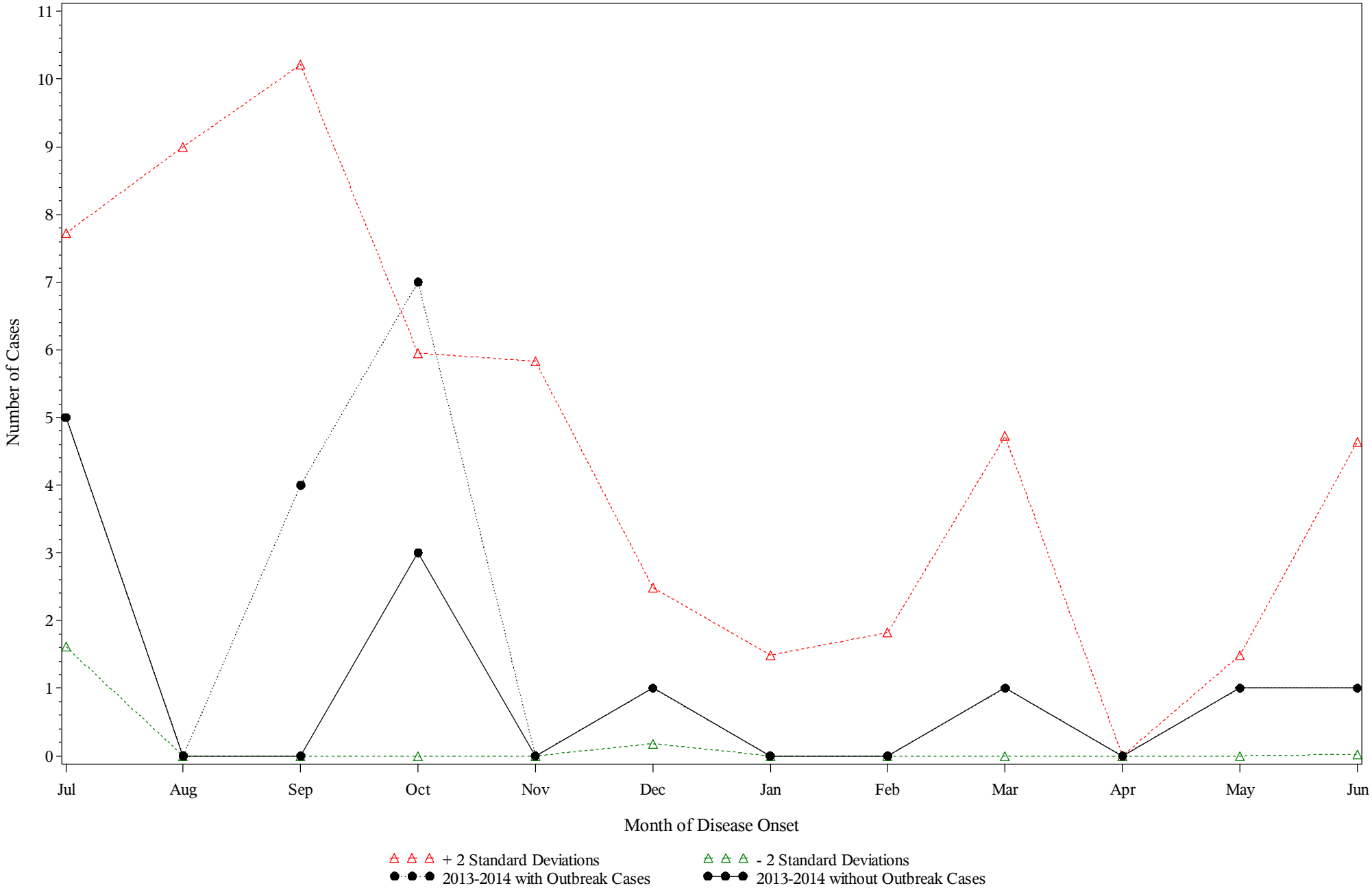
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Cryptosporidiosis



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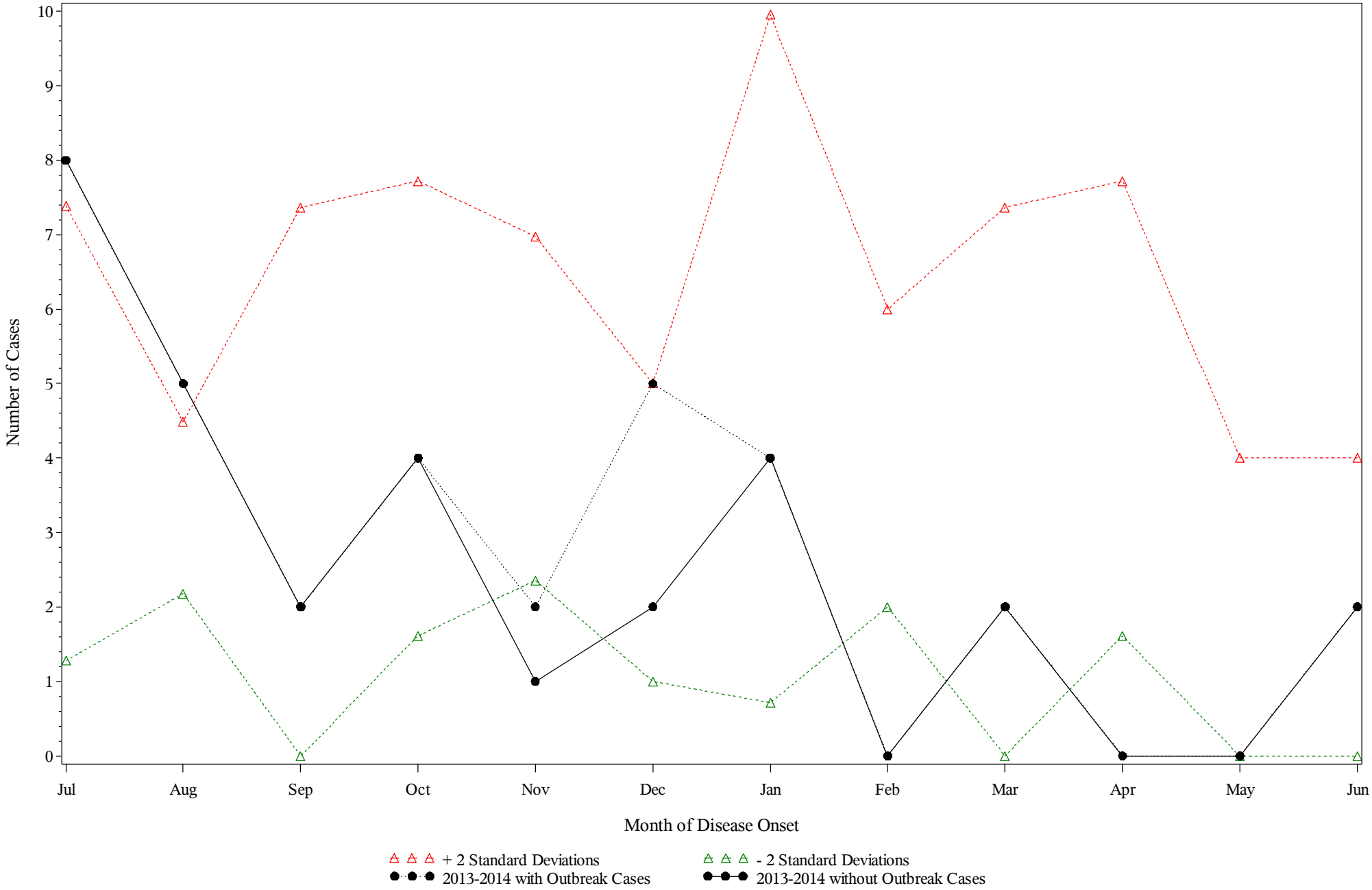
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Giardiasis



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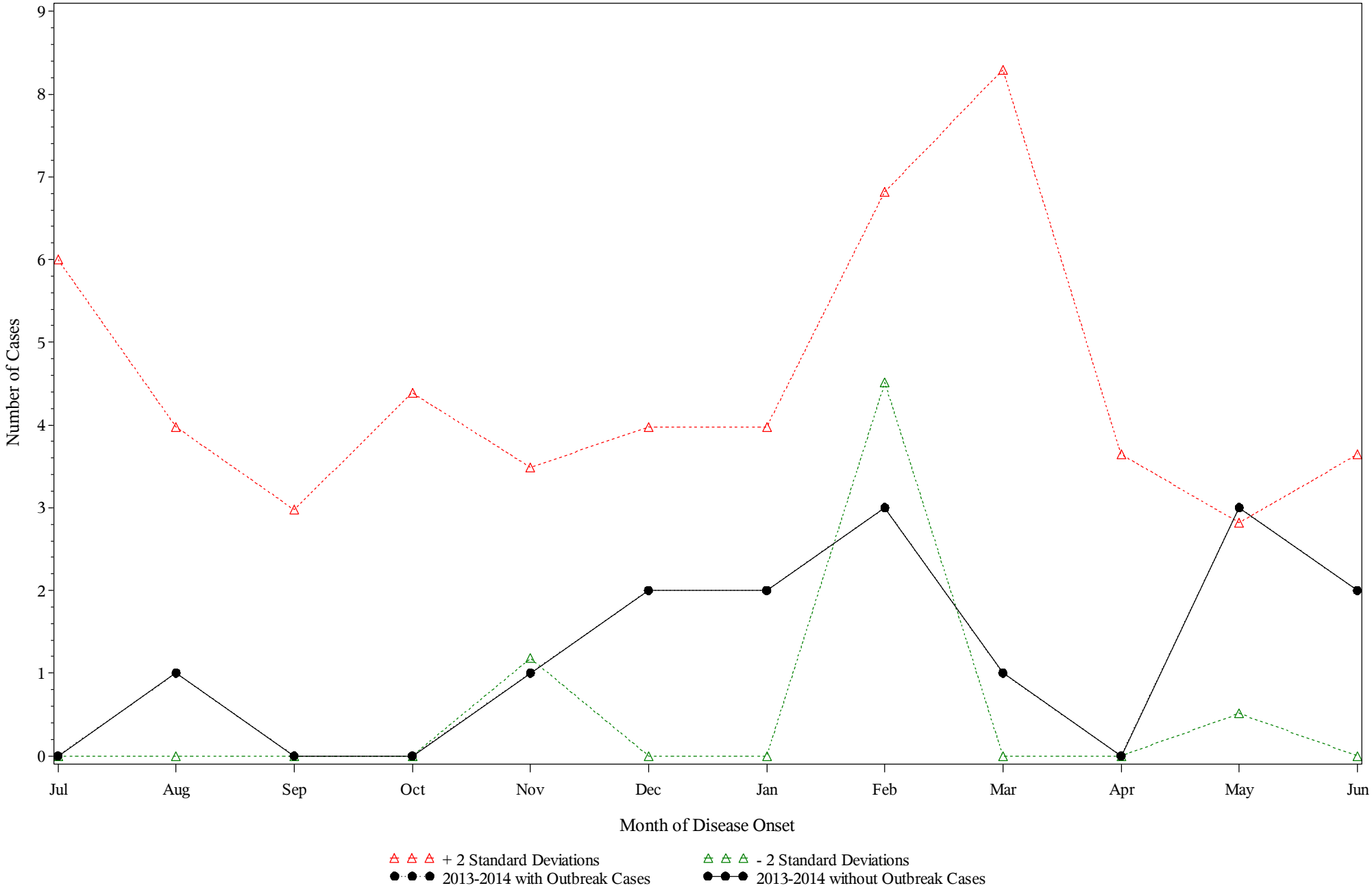
Source: Ohio Department of Health Bureau of Infectious Diseases

Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Haemophilus influenzae, Invasive



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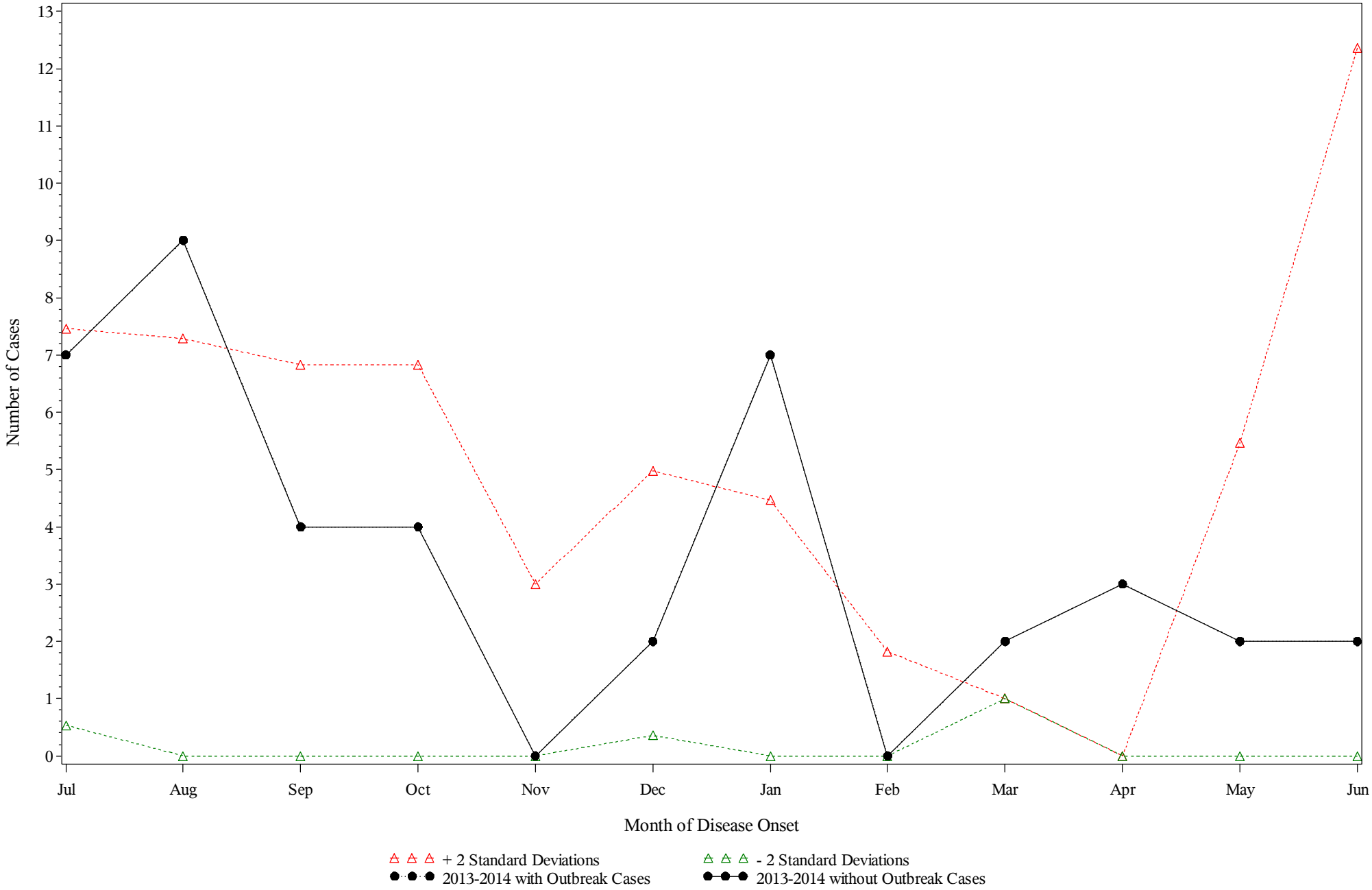
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Legionellosis



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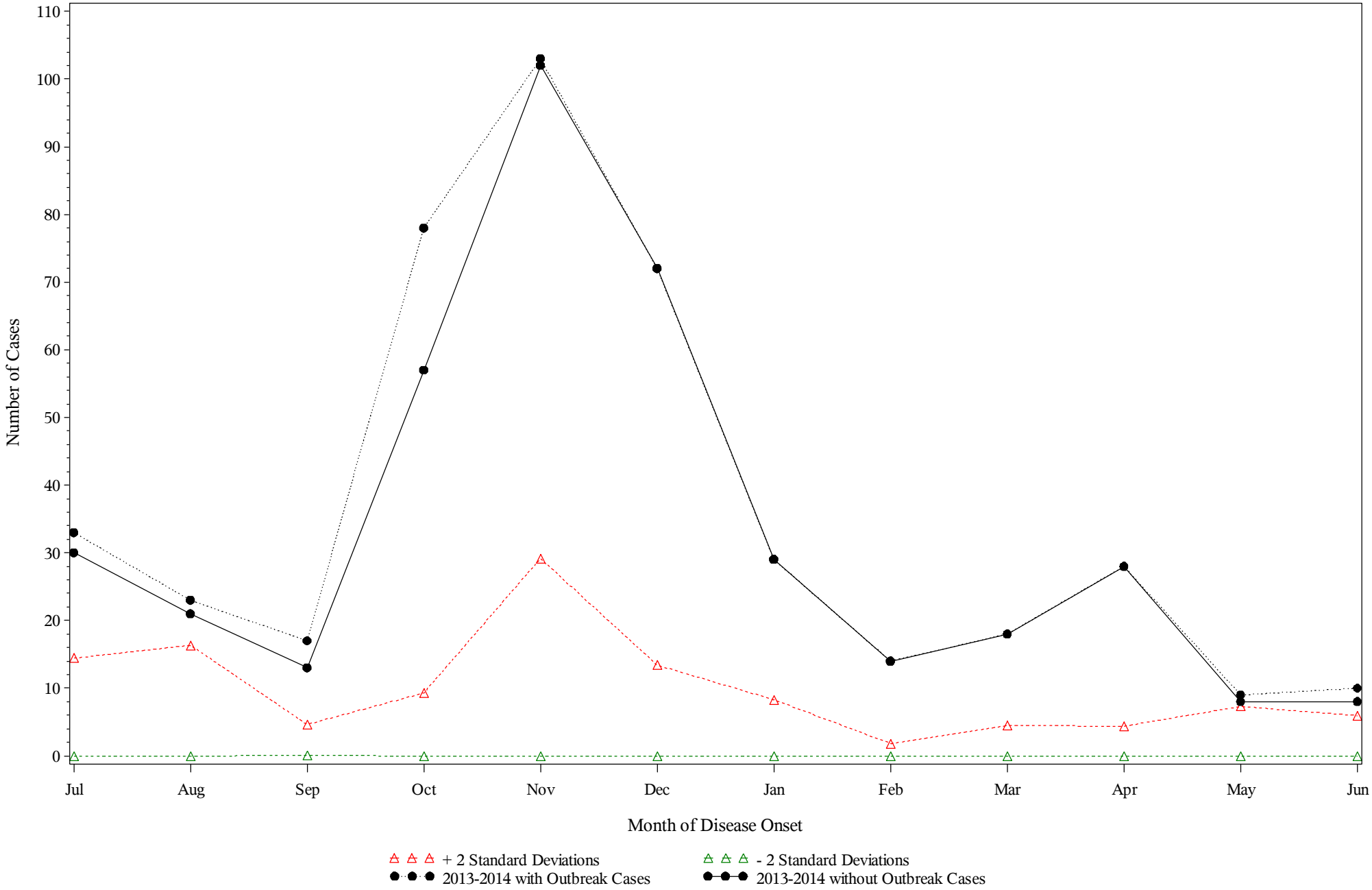
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Pertussis



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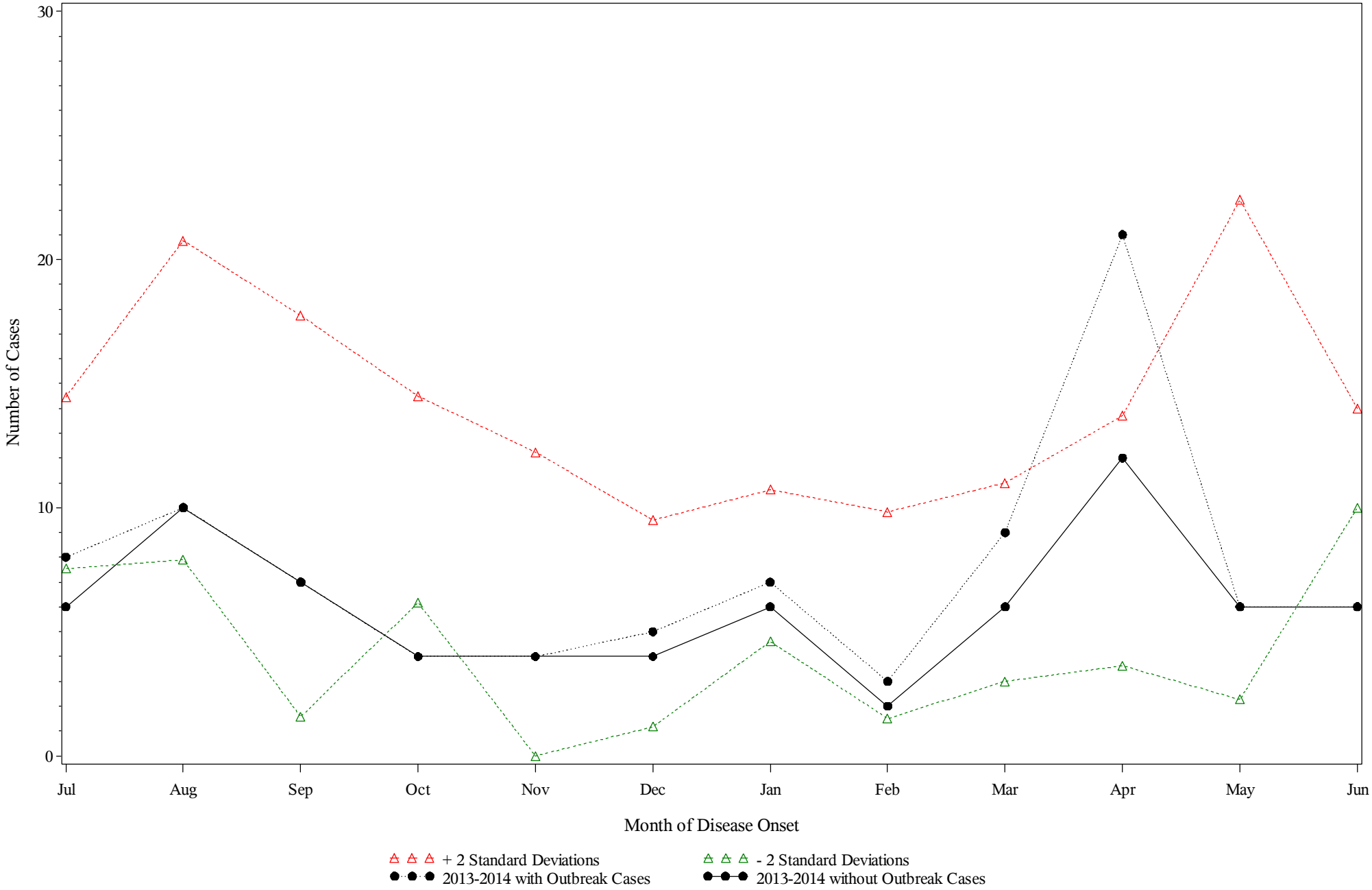
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central Salmonellosis



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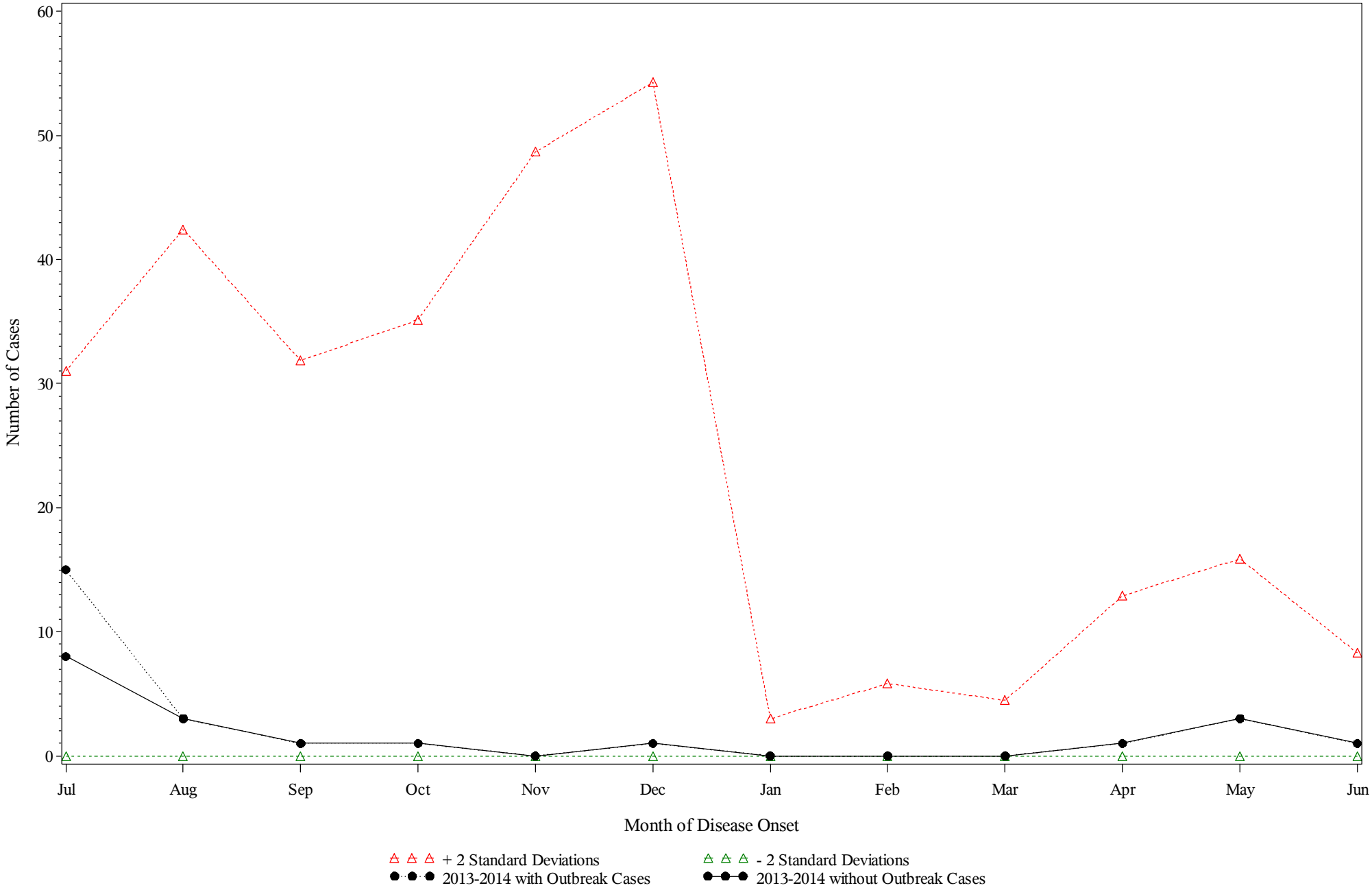
West Central Shigellosis



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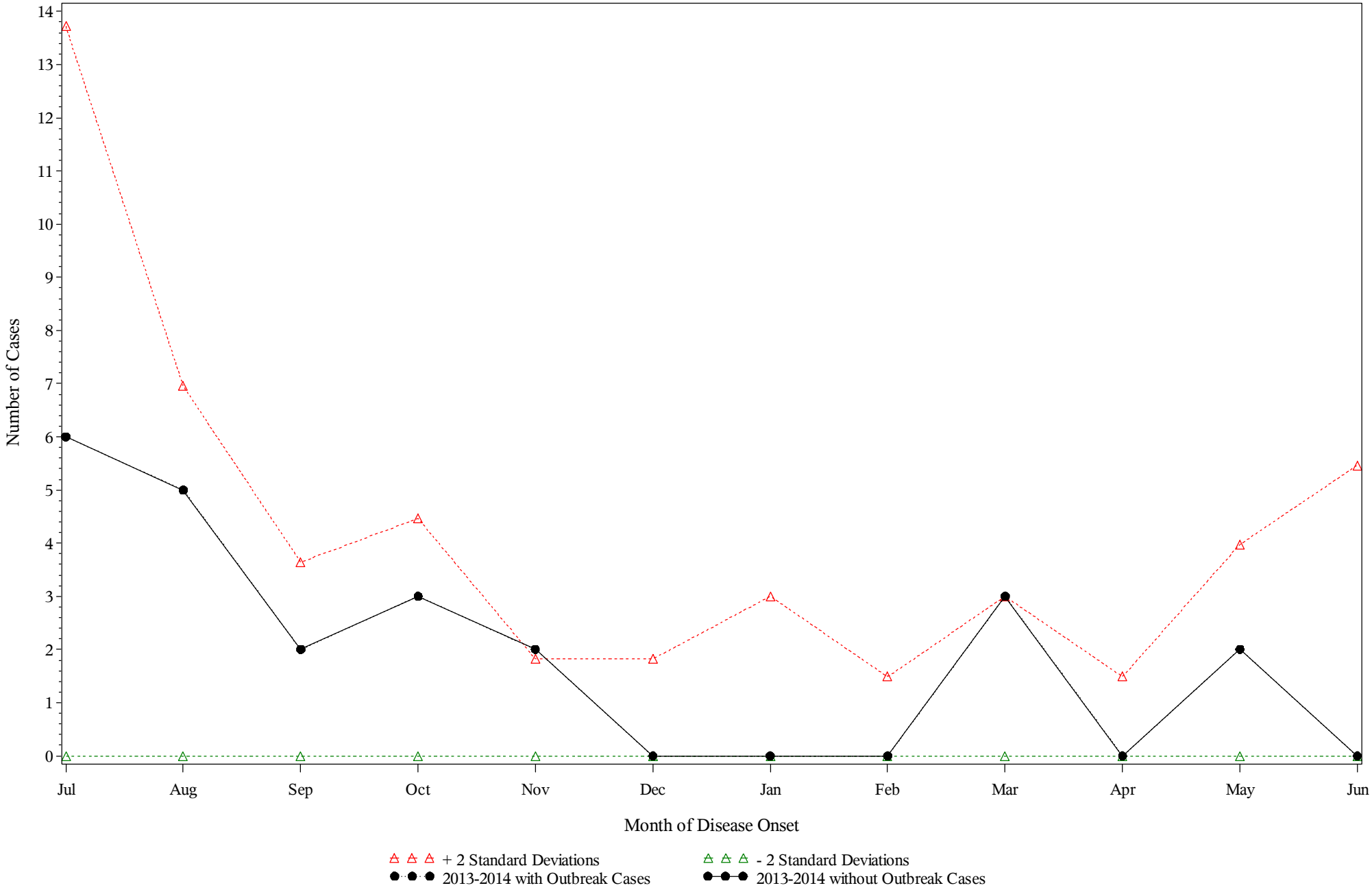
West Central Shiga Toxin-Producing Escherichia coli



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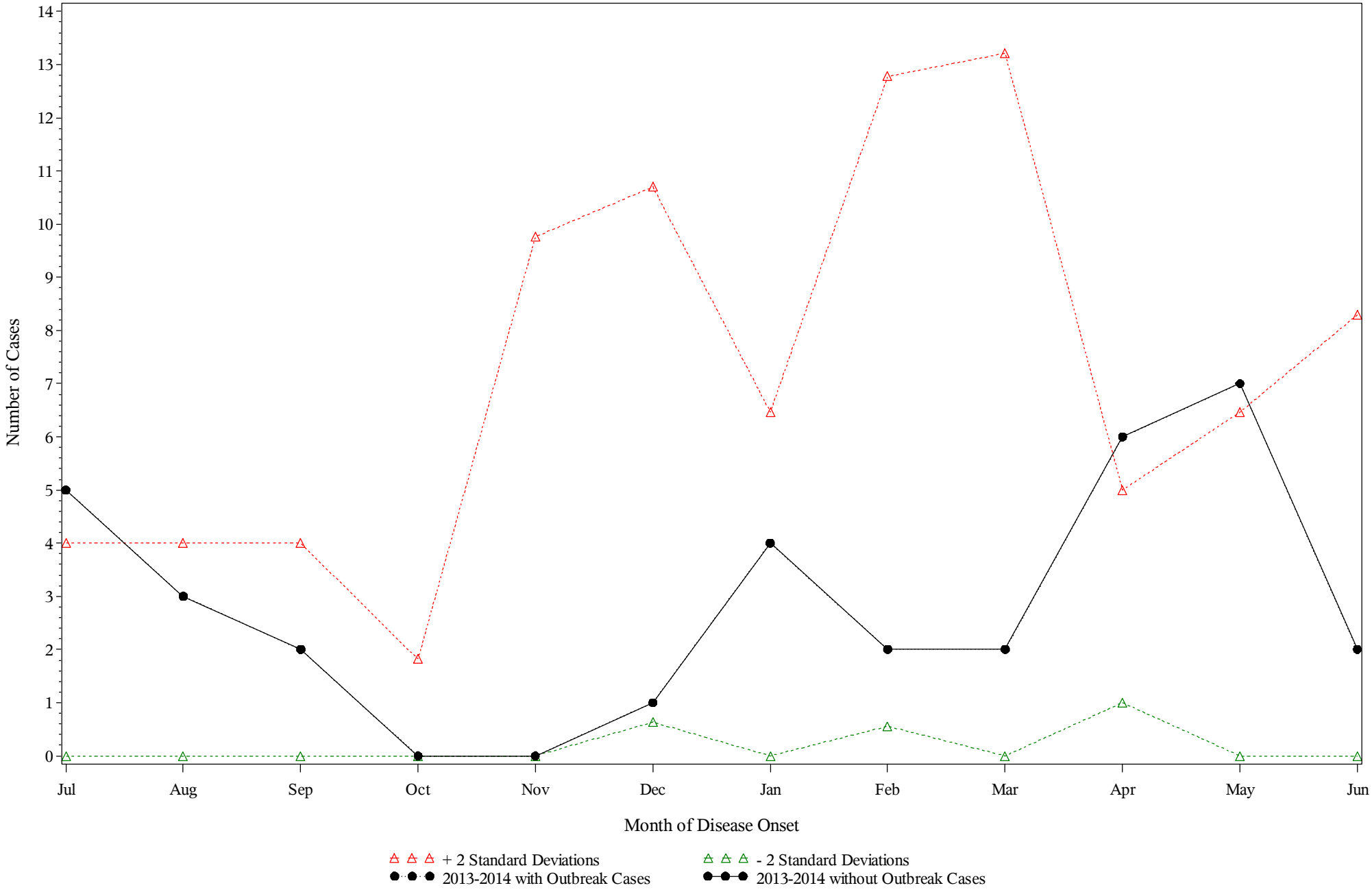
Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

West Central **Streptococcal Disease, Group A, Invasive**



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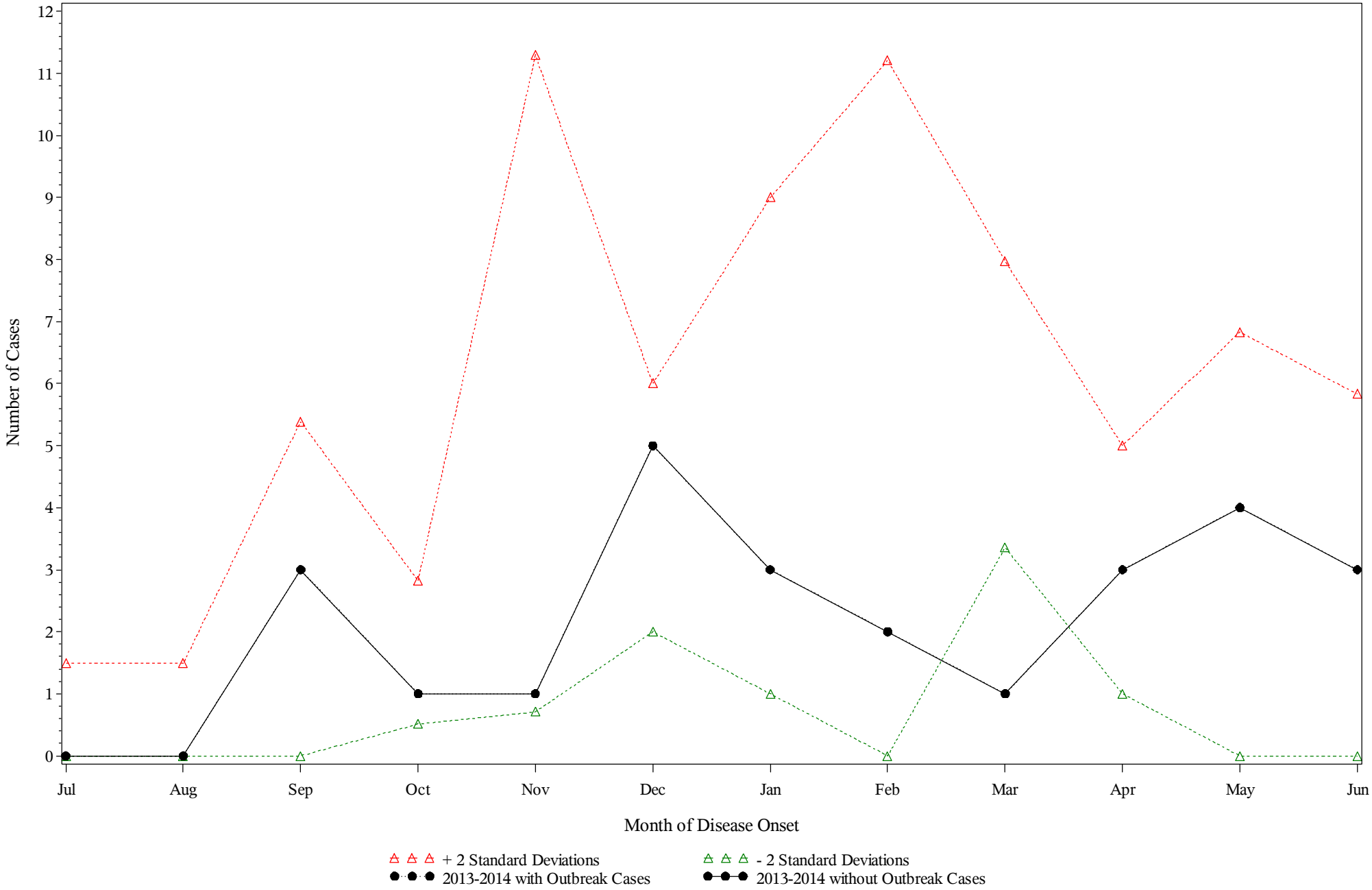
West Central **Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate**



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Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2013-2014

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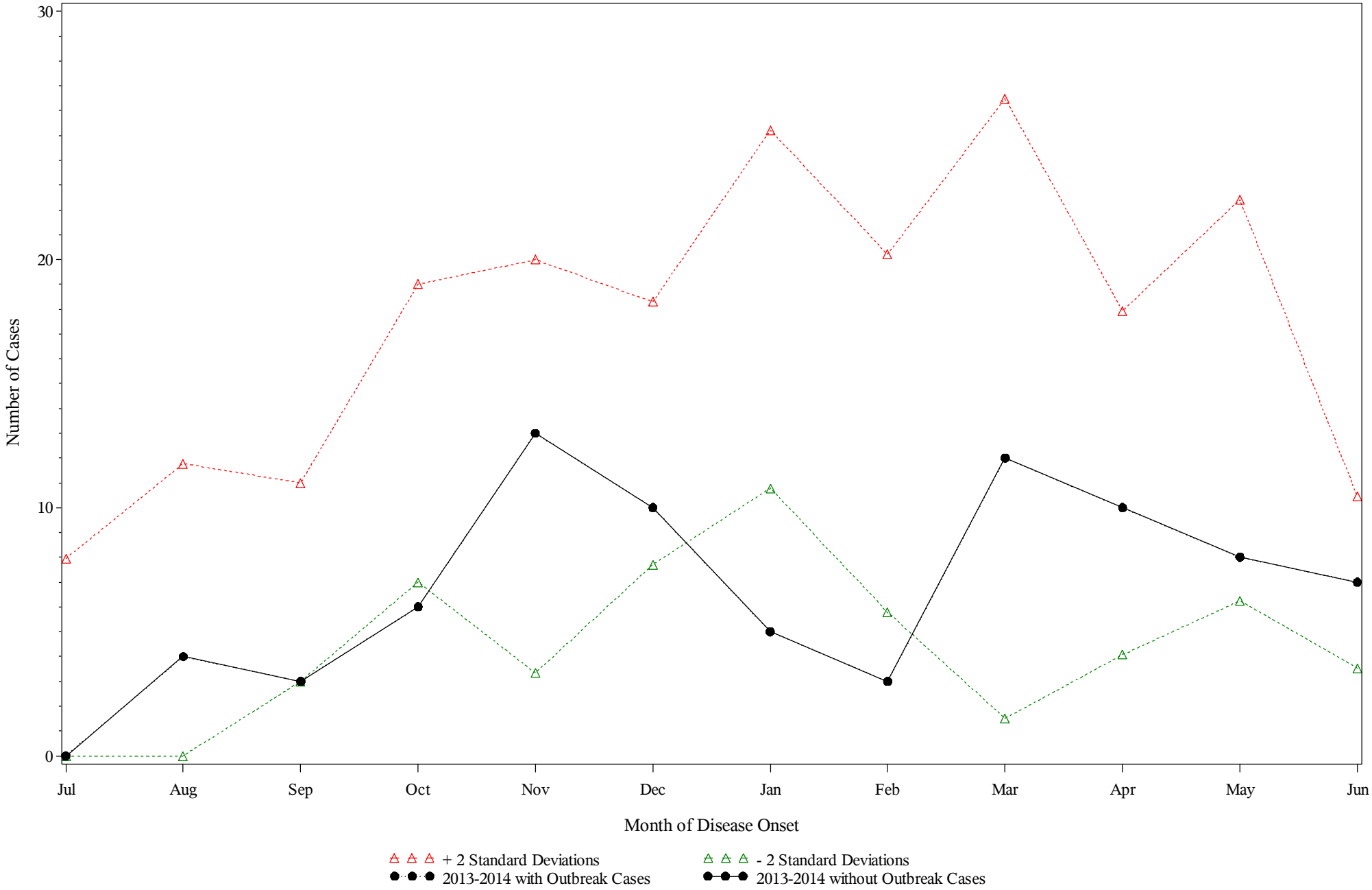

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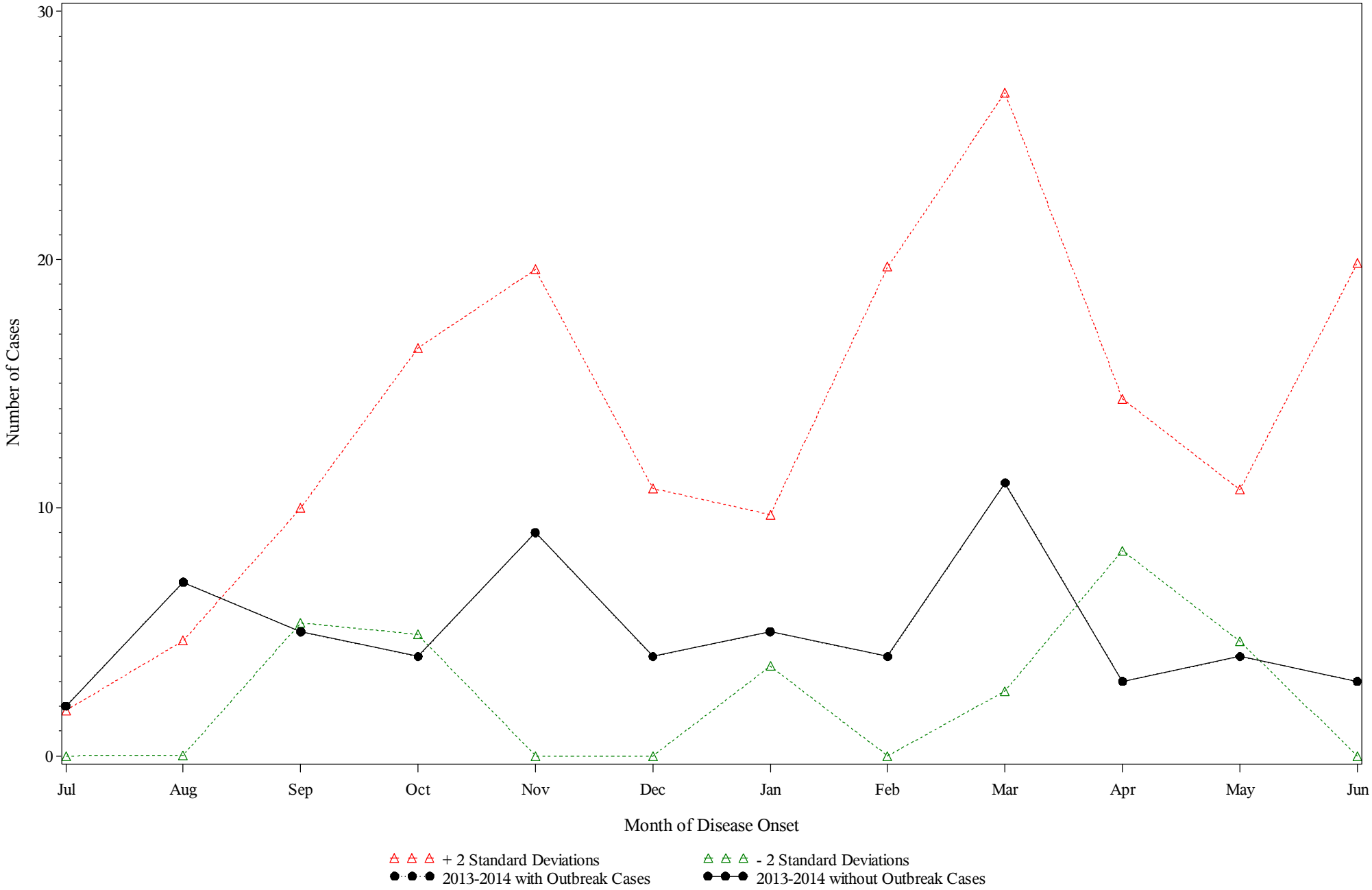
West Central Varicella



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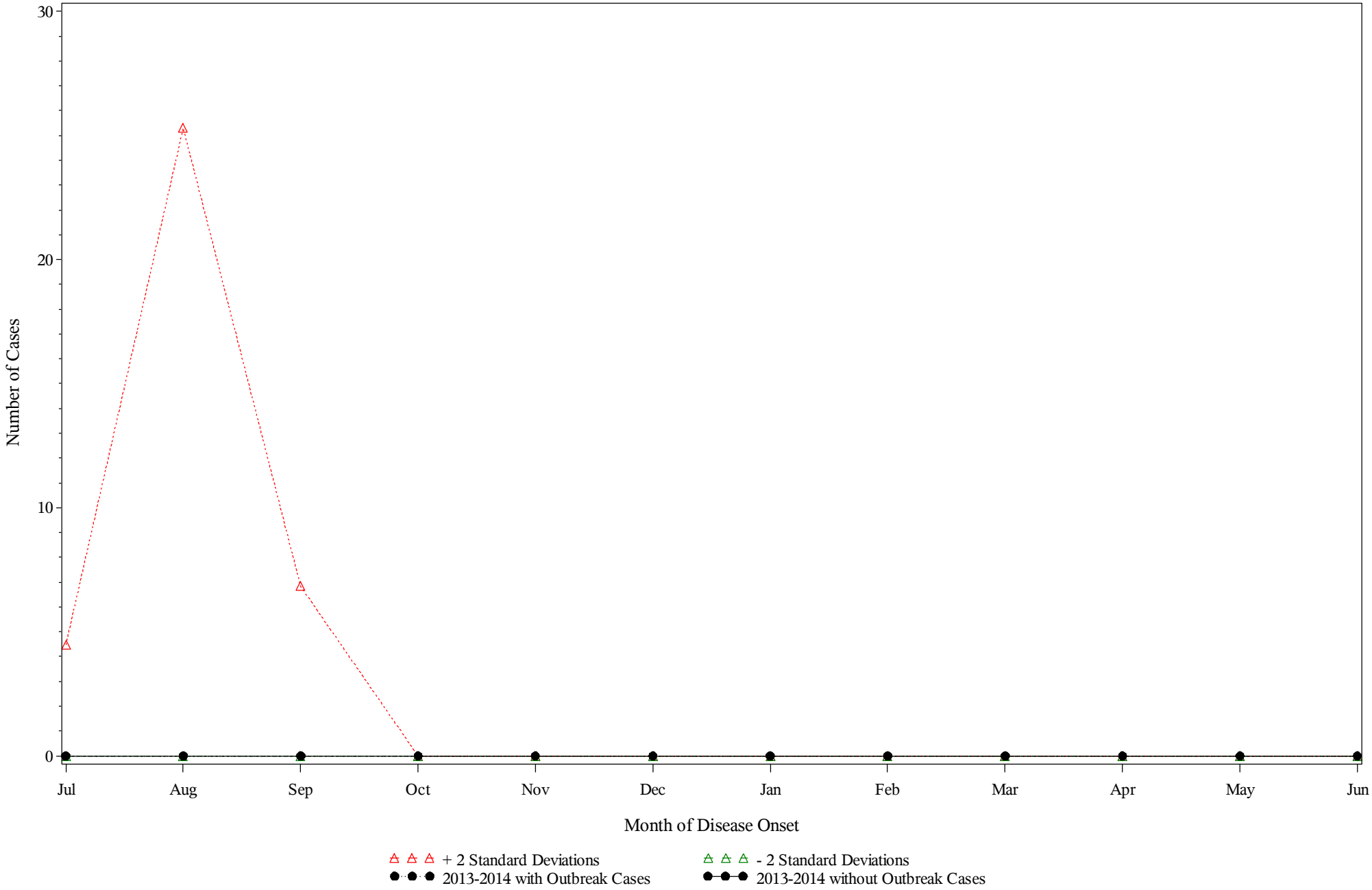
West Central West Nile Virus Disease



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