

## Quarterly Trends in Ohio Disease Incidence

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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

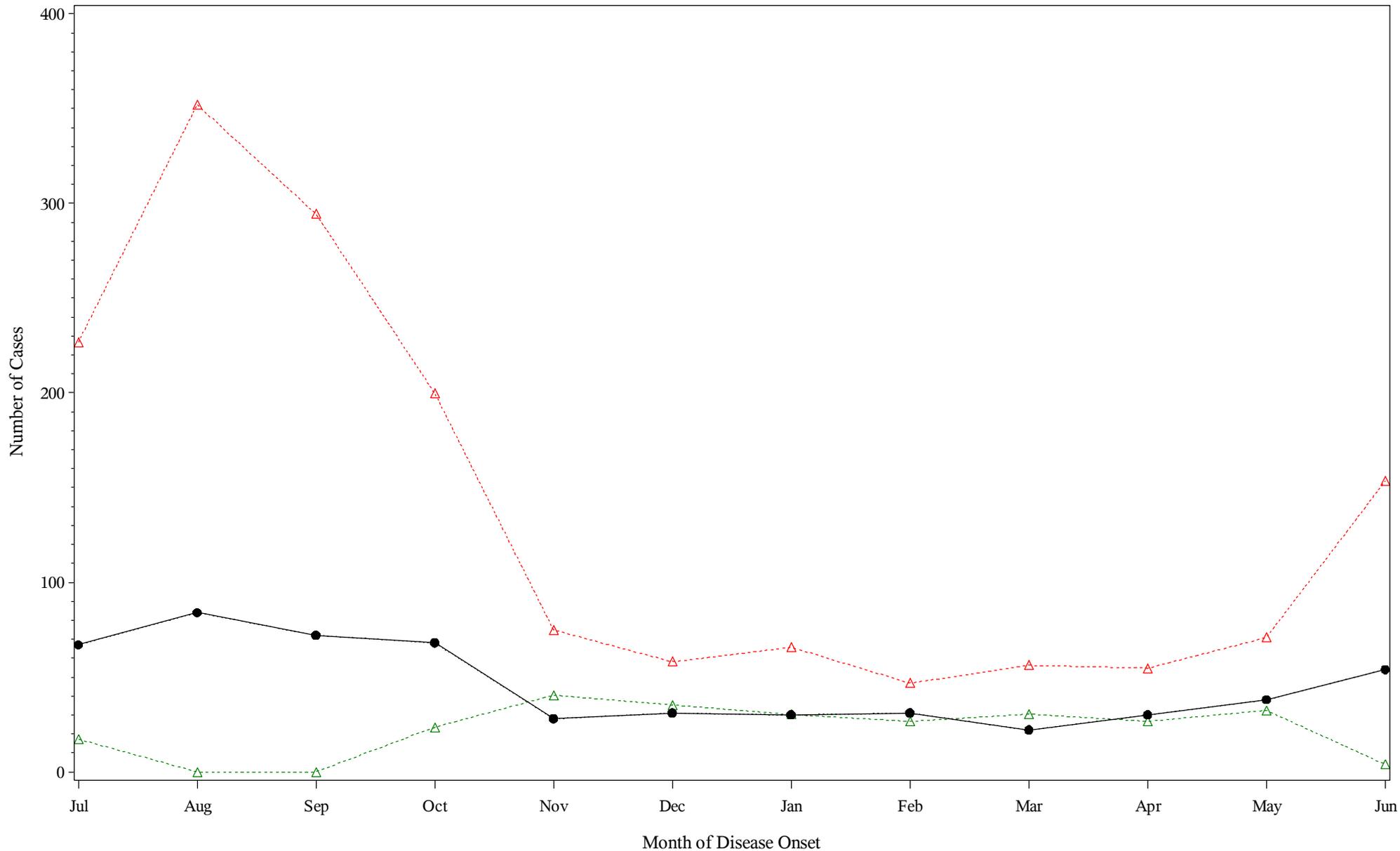
**Southeast** – Athens, Belmont, Coshocton, Gallia, Guernsey, Harrison, Hocking, Jackson, Jefferson, Lawrence, Meigs, Monroe, Morgan, Muskingum, Noble, Perry, Pike, Ross, Scioto, Vinton, Washington

**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, 2014-2015

## Aseptic Meningitis

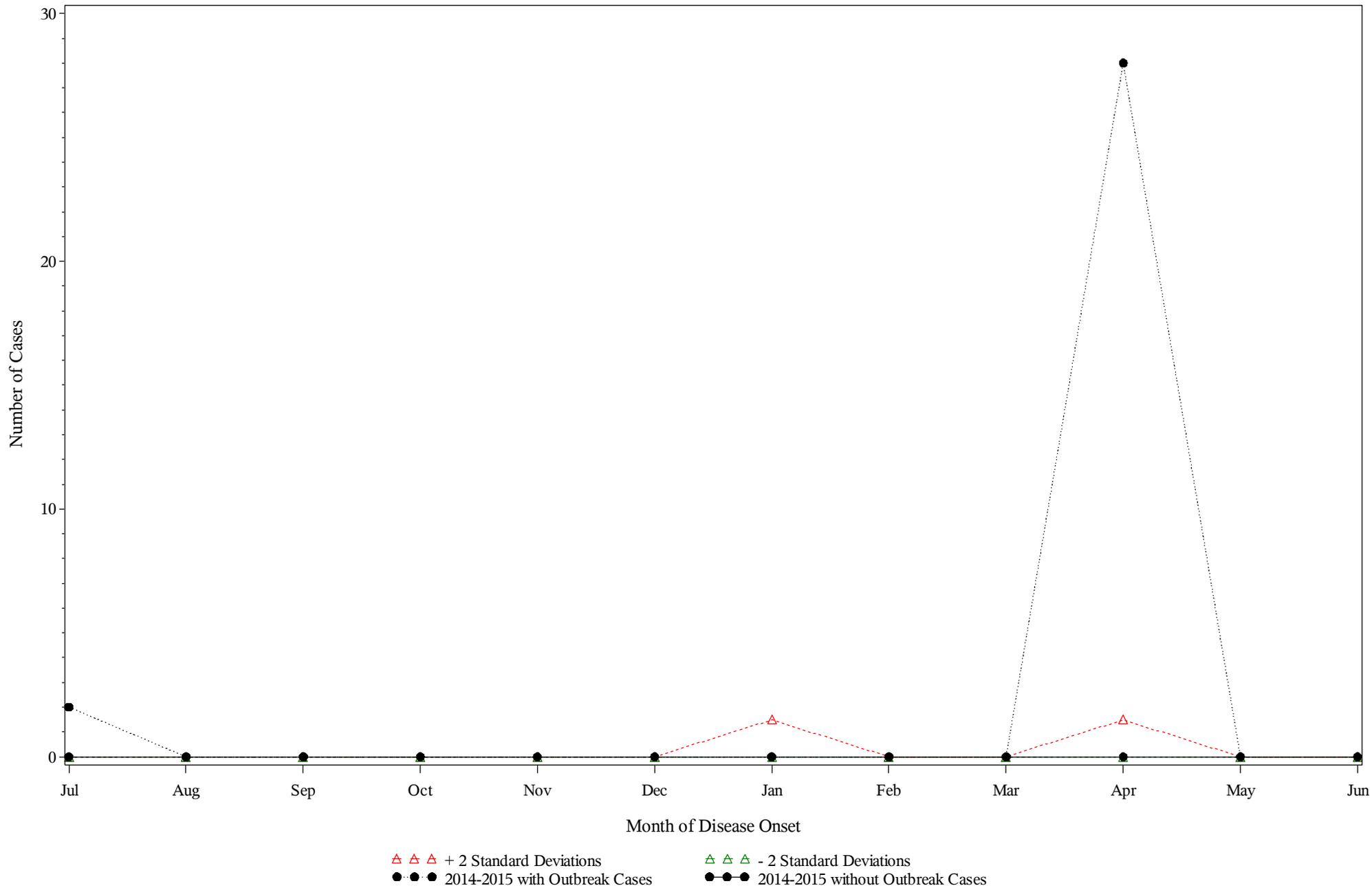


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Botulism, Foodborne

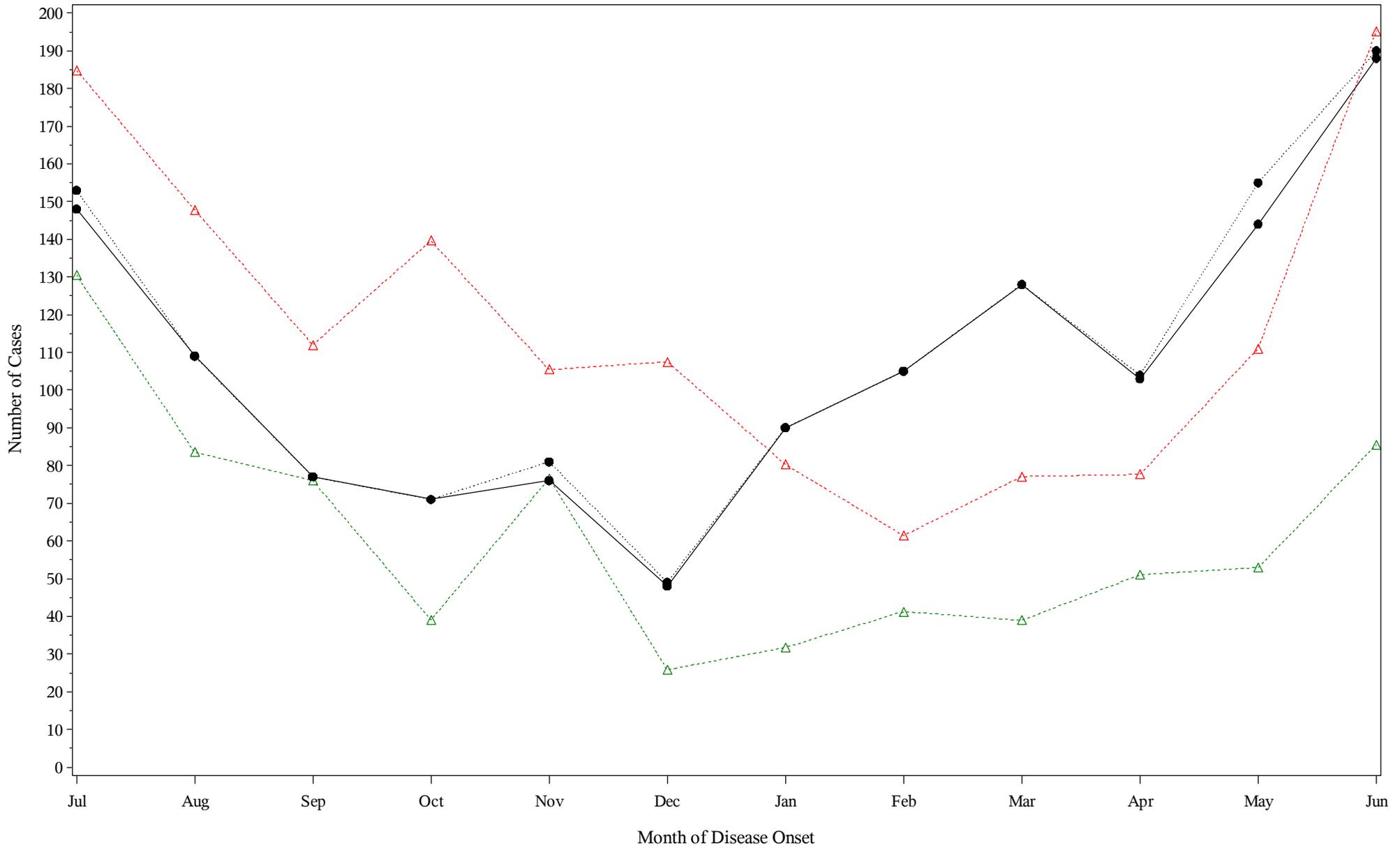


Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Campylobacteriosis



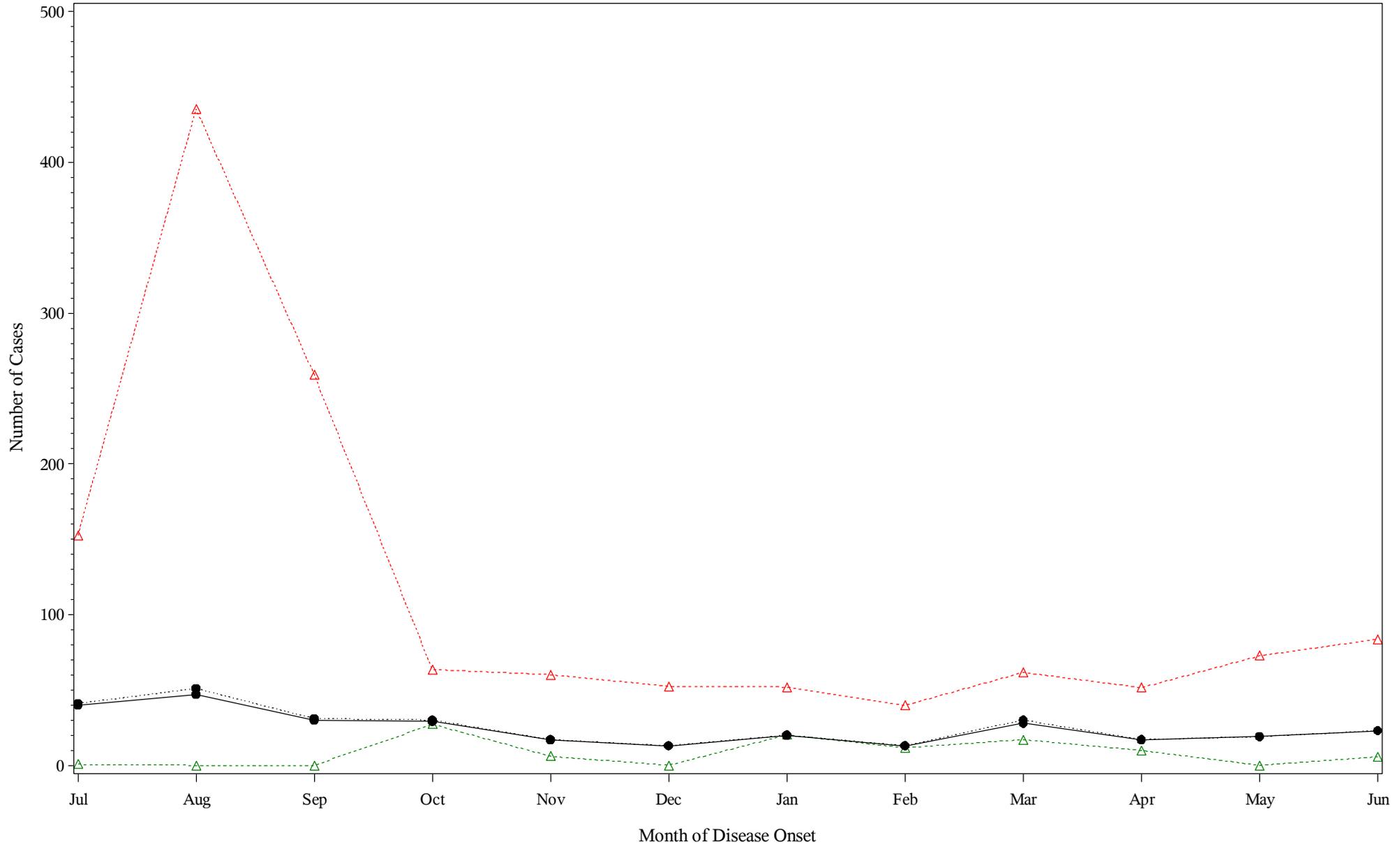
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Cryptosporidiosis

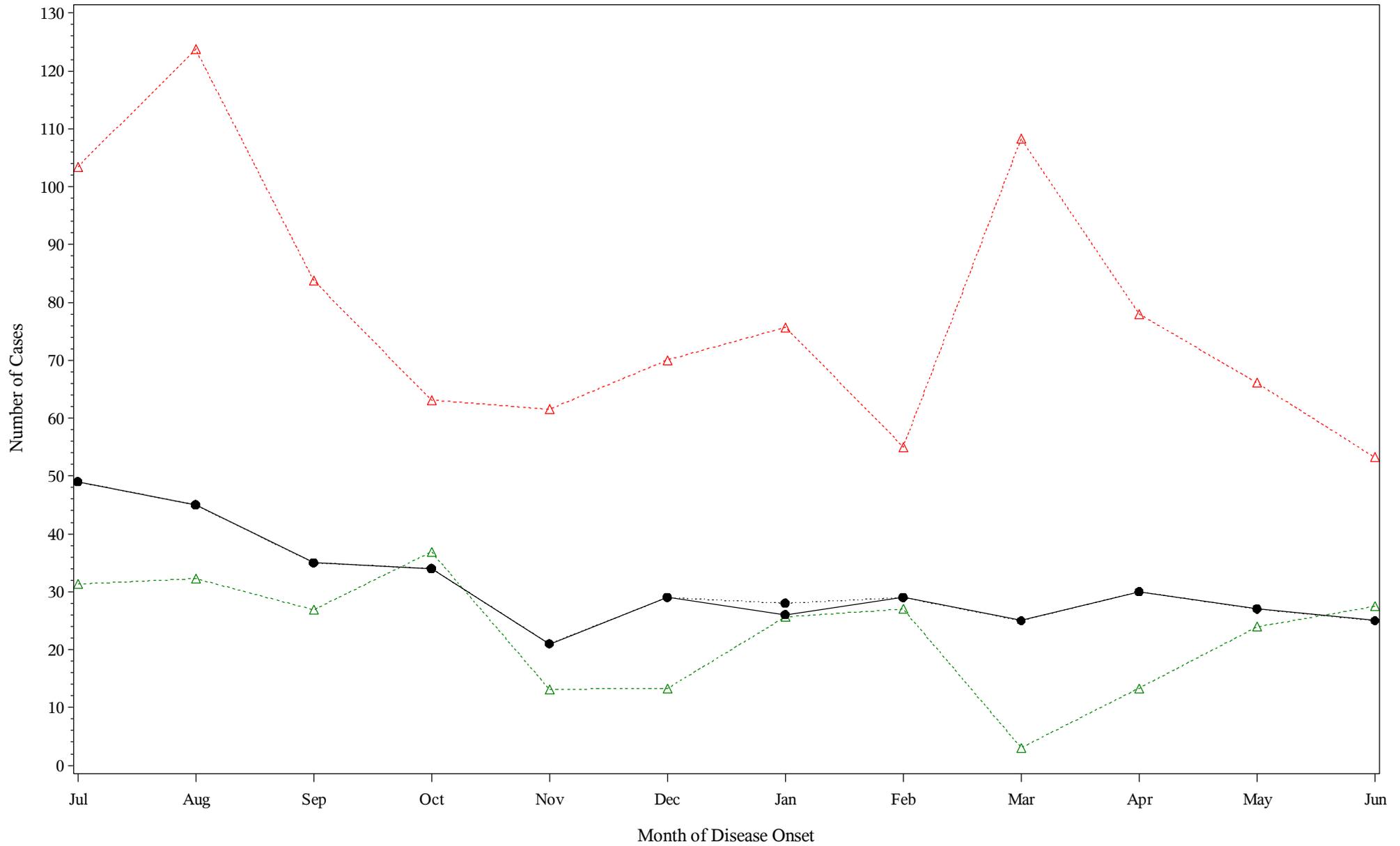


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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Giardiasis



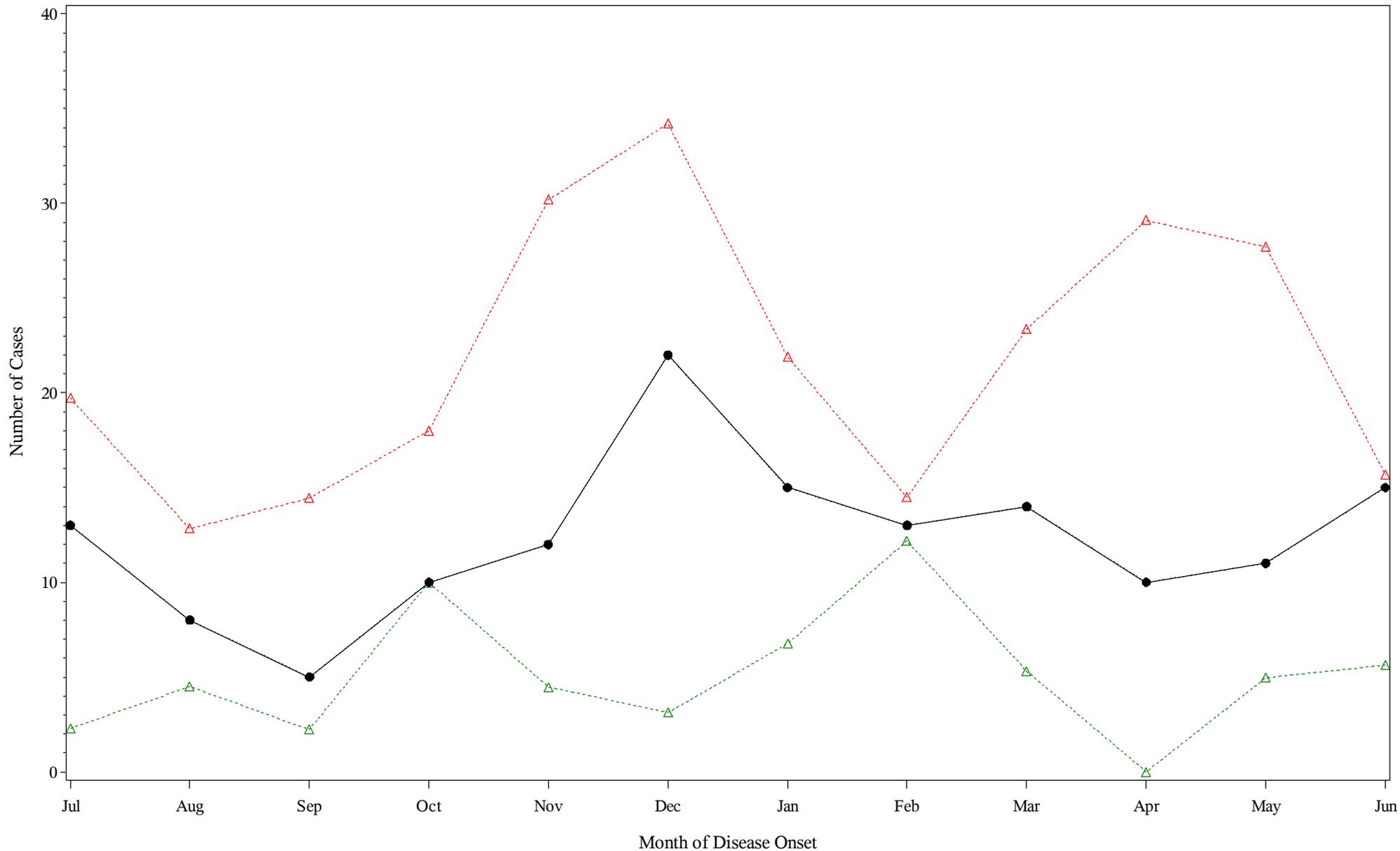
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Haemophilus influenzae, Invasive

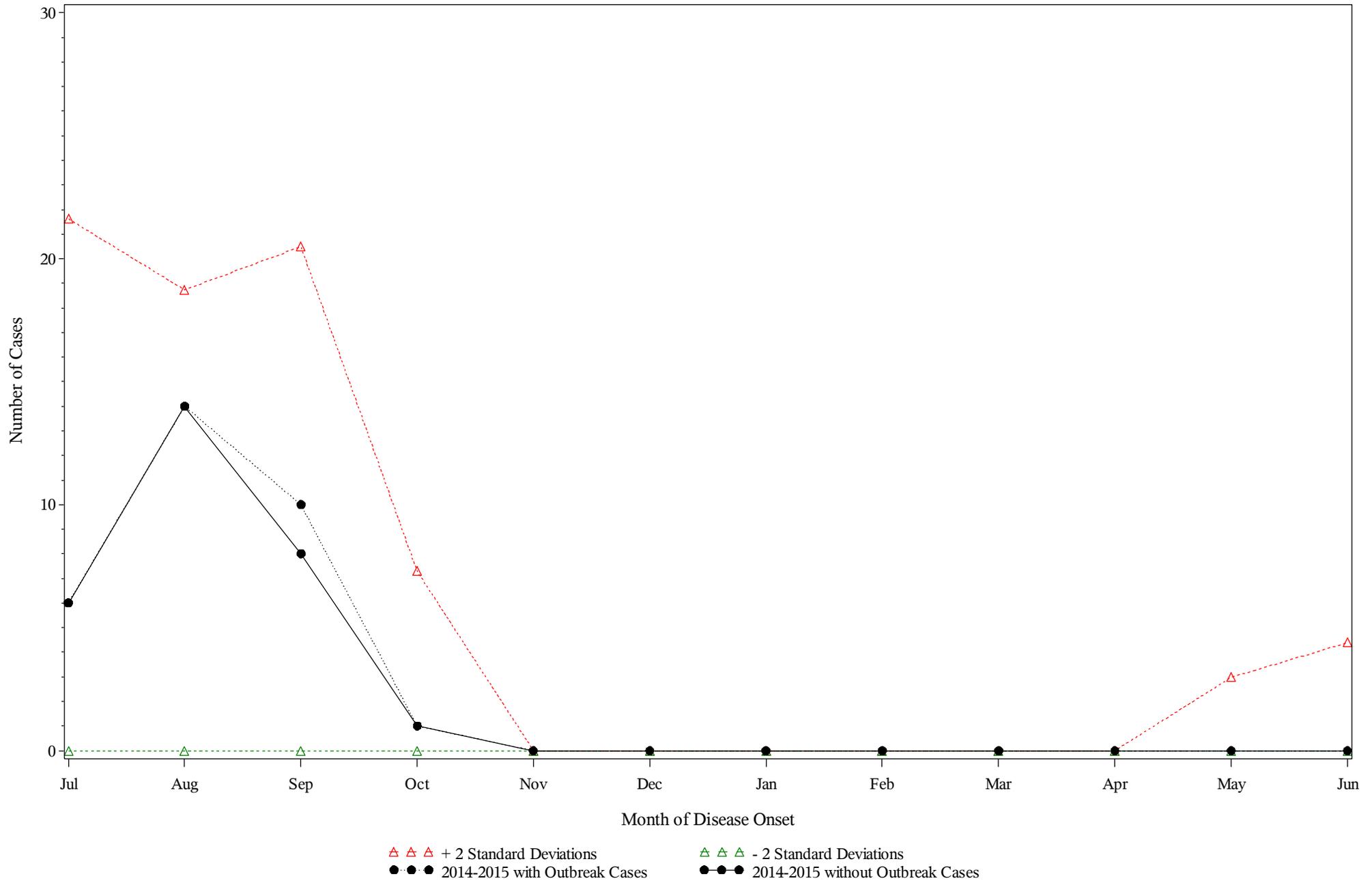


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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## LaCrosse Virus Disease

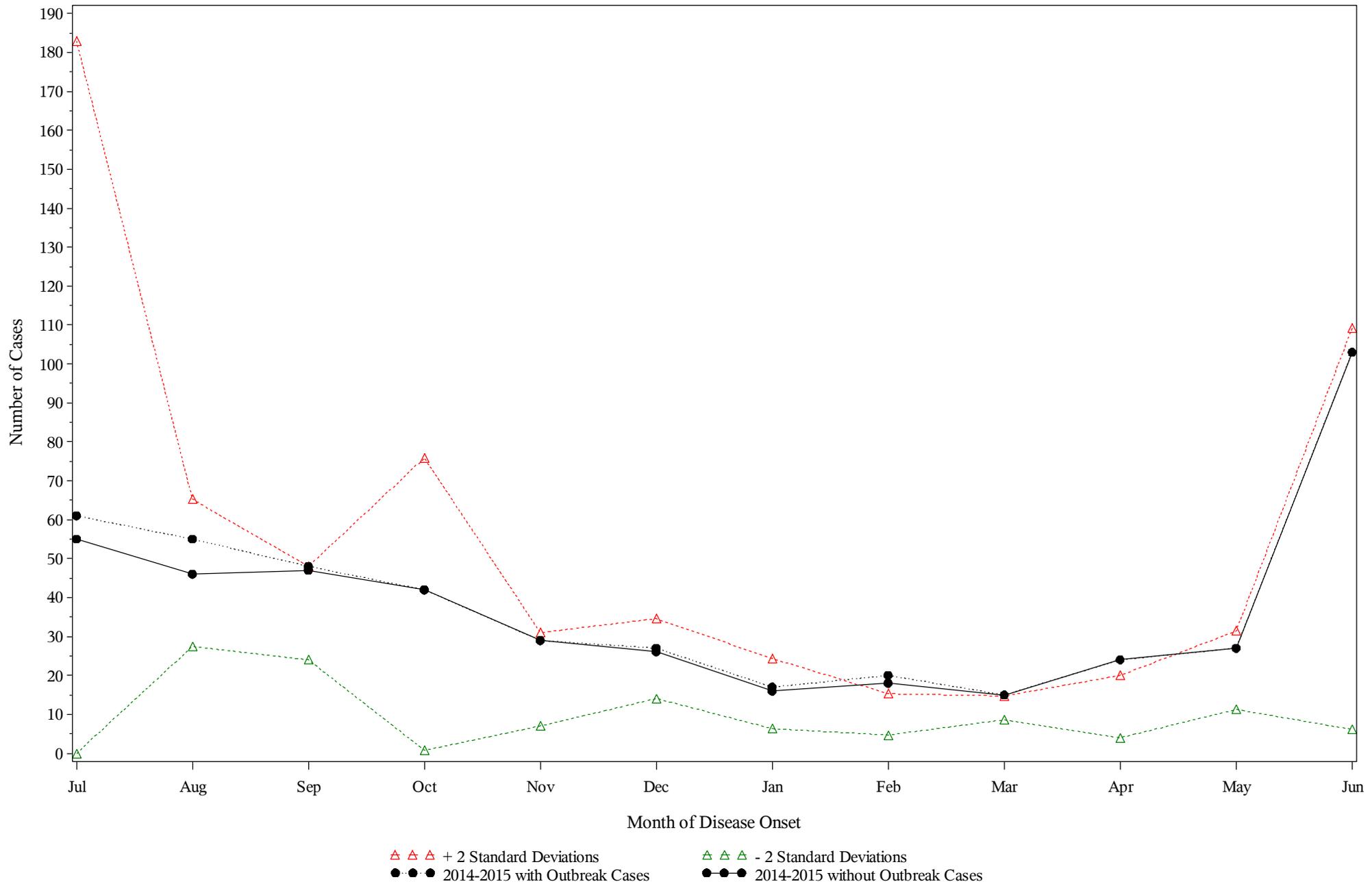


Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Legionellosis



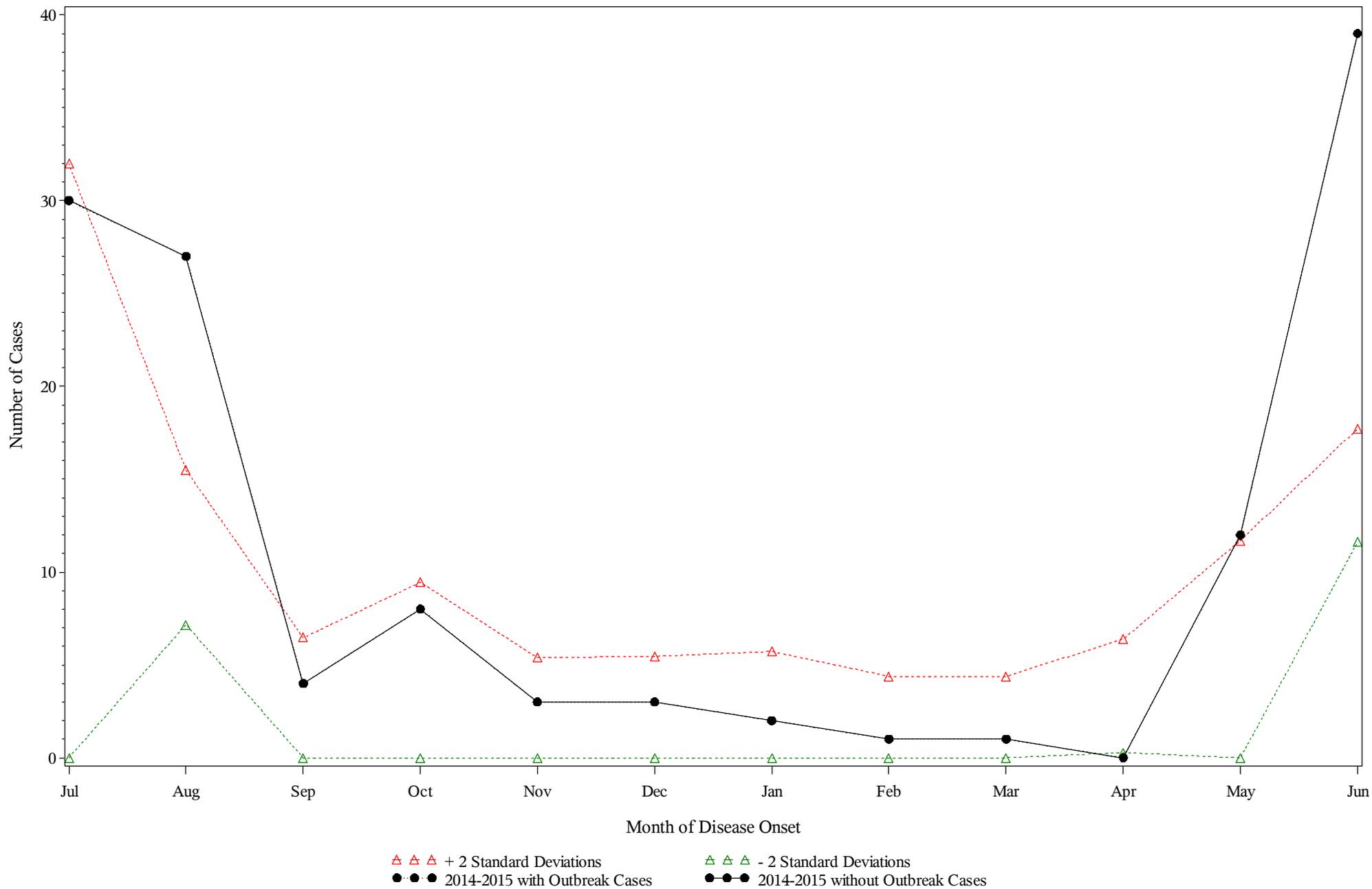
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Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Lyme Disease



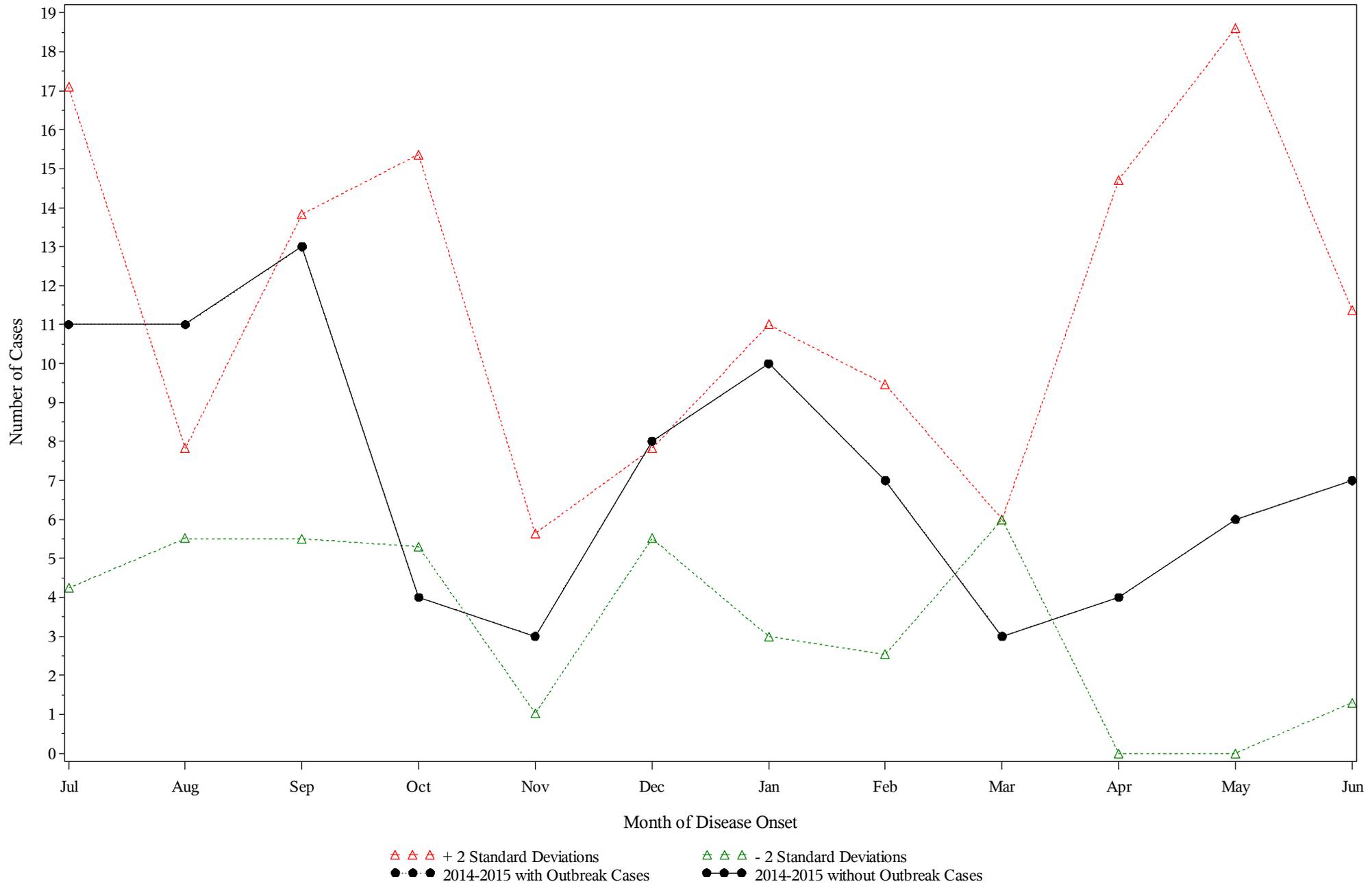
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Bacterial Meningitis



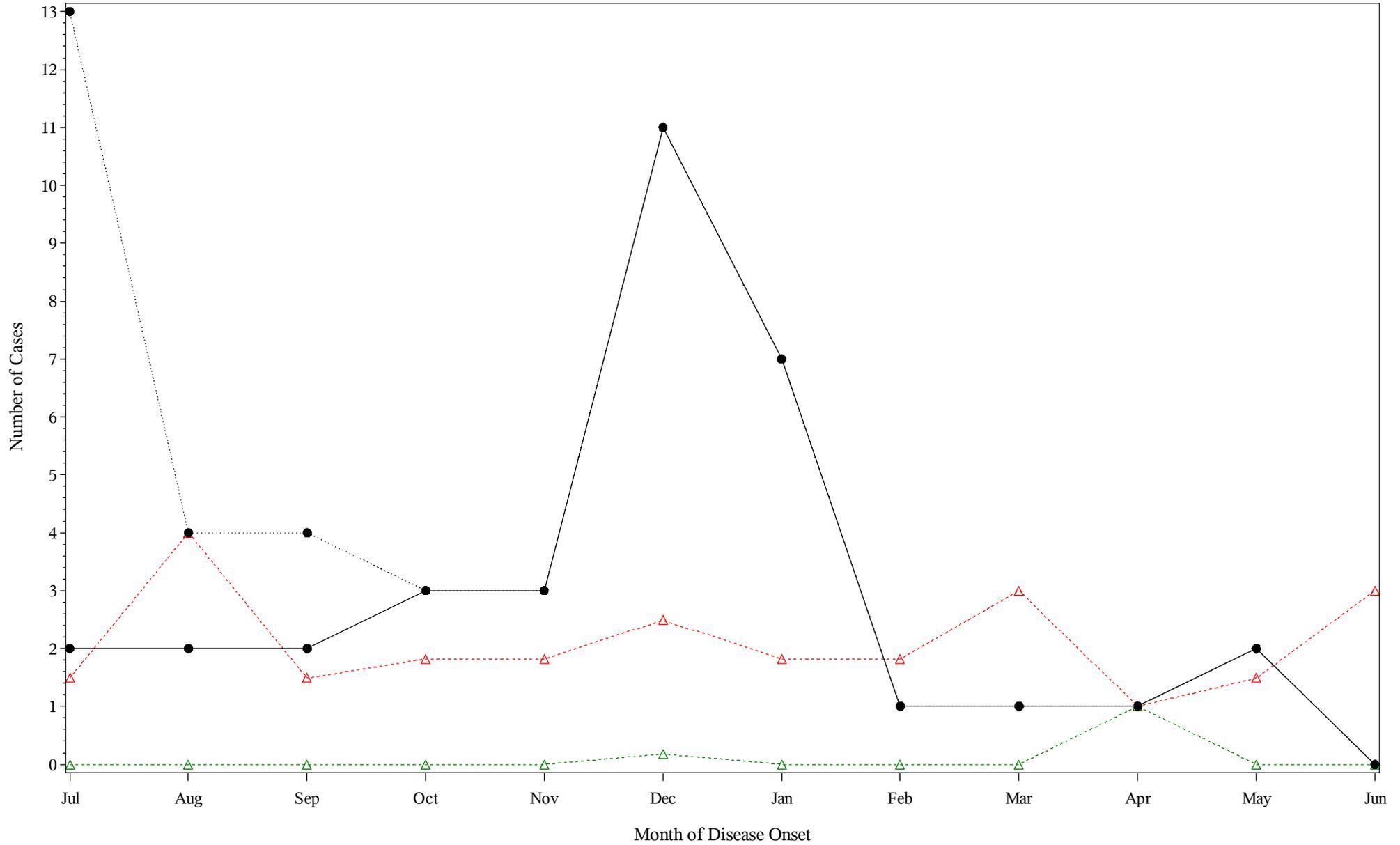
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Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Mumps



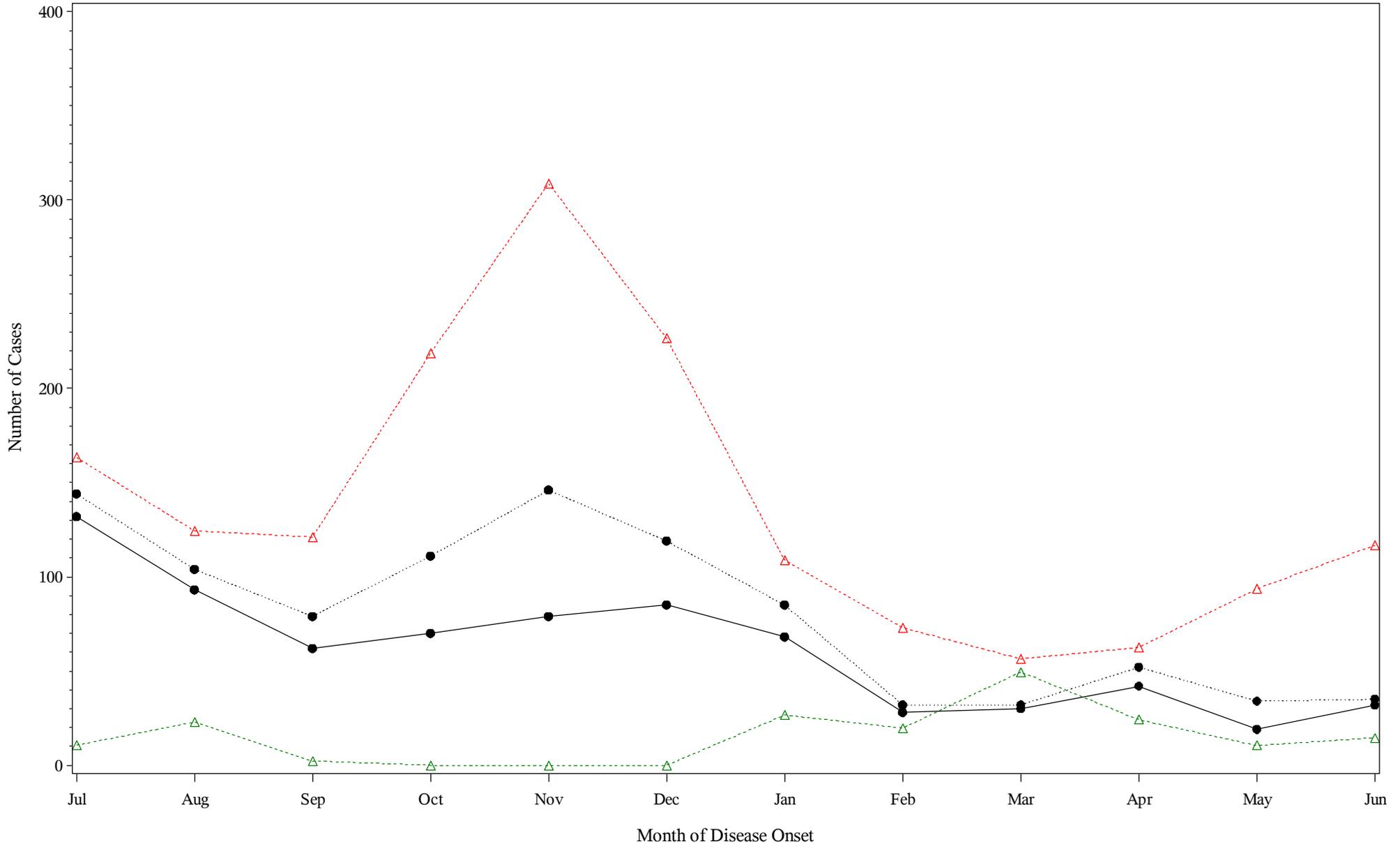
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Pertussis



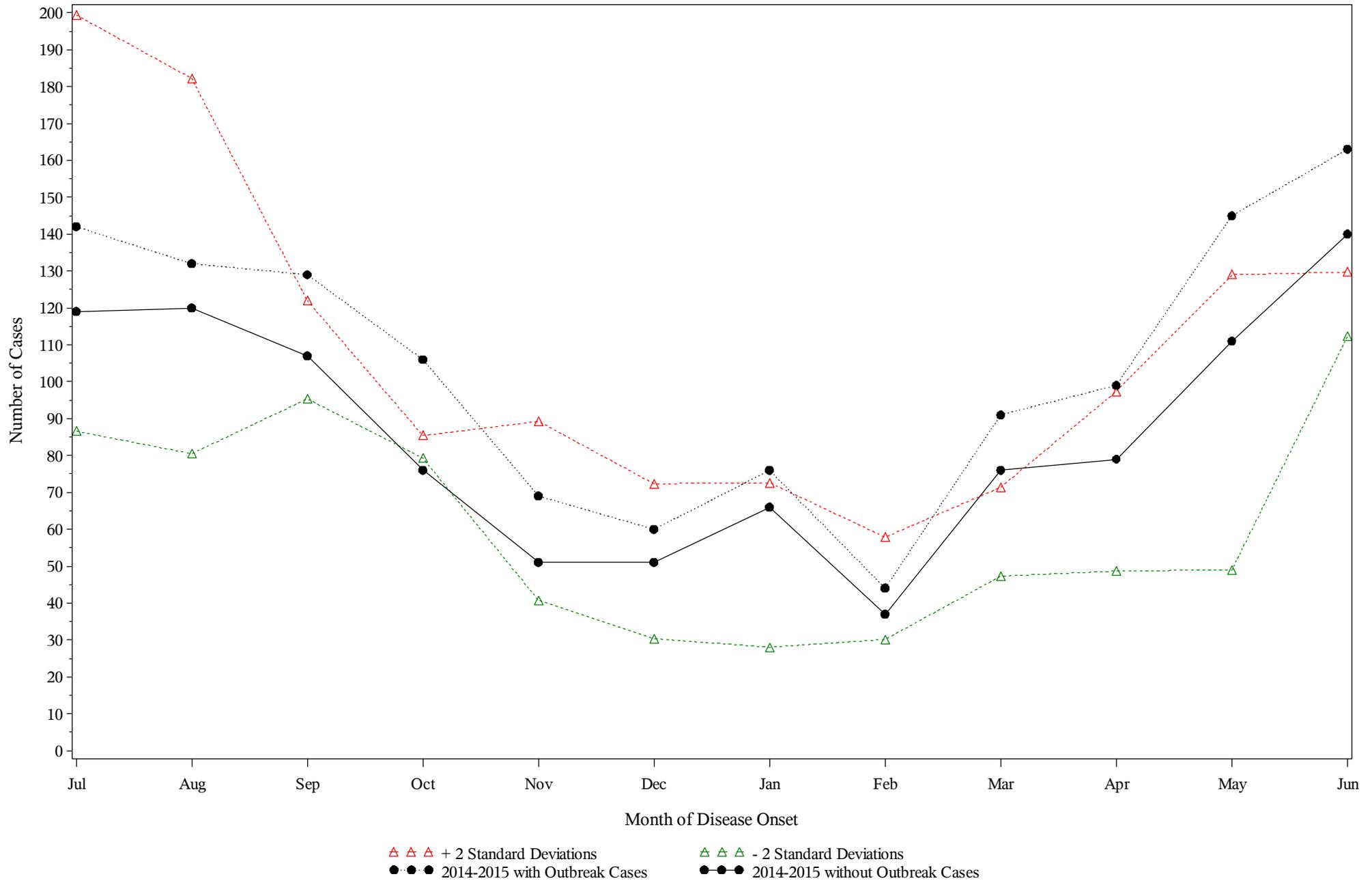
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Salmonellosis



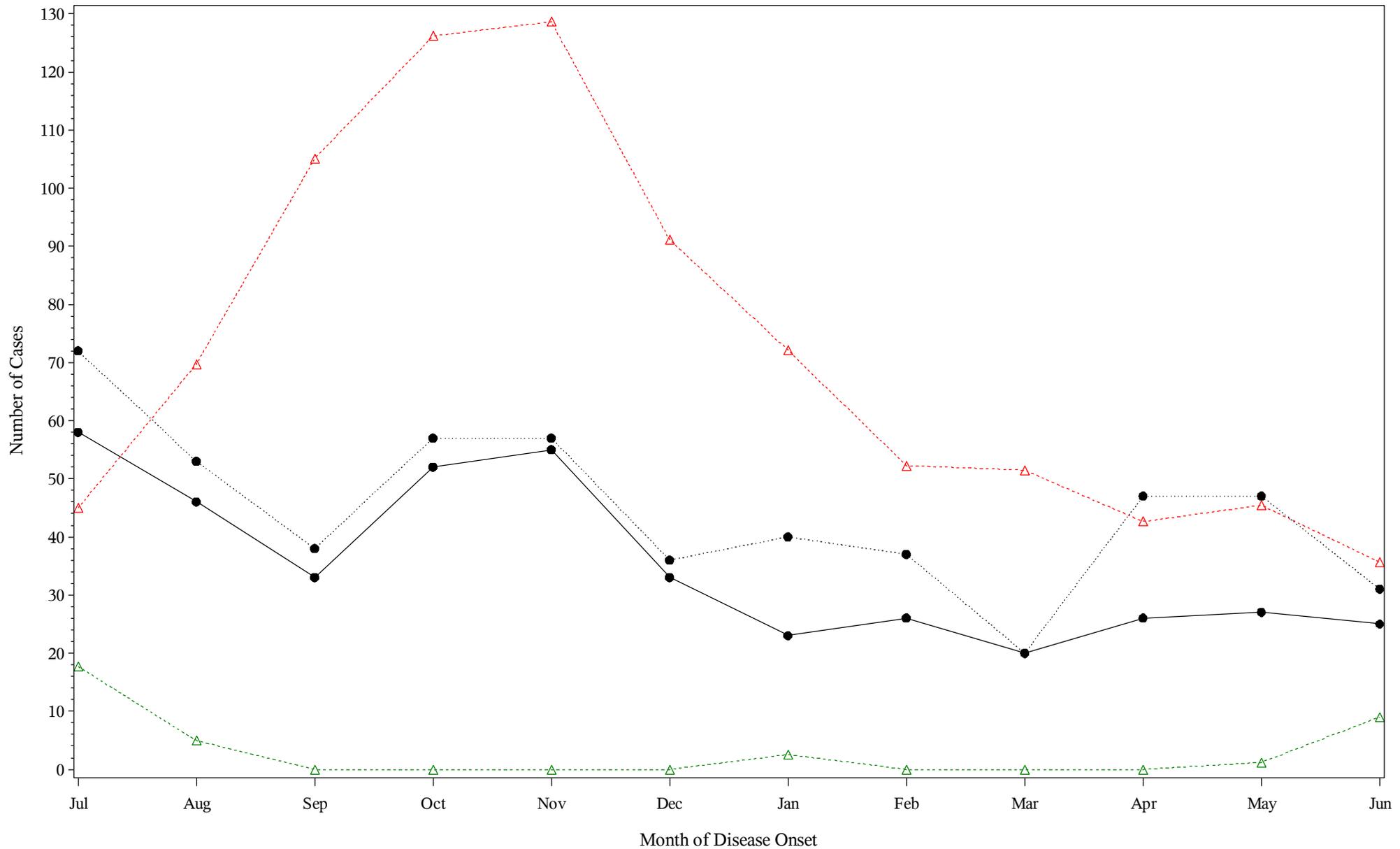
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Shigellosis



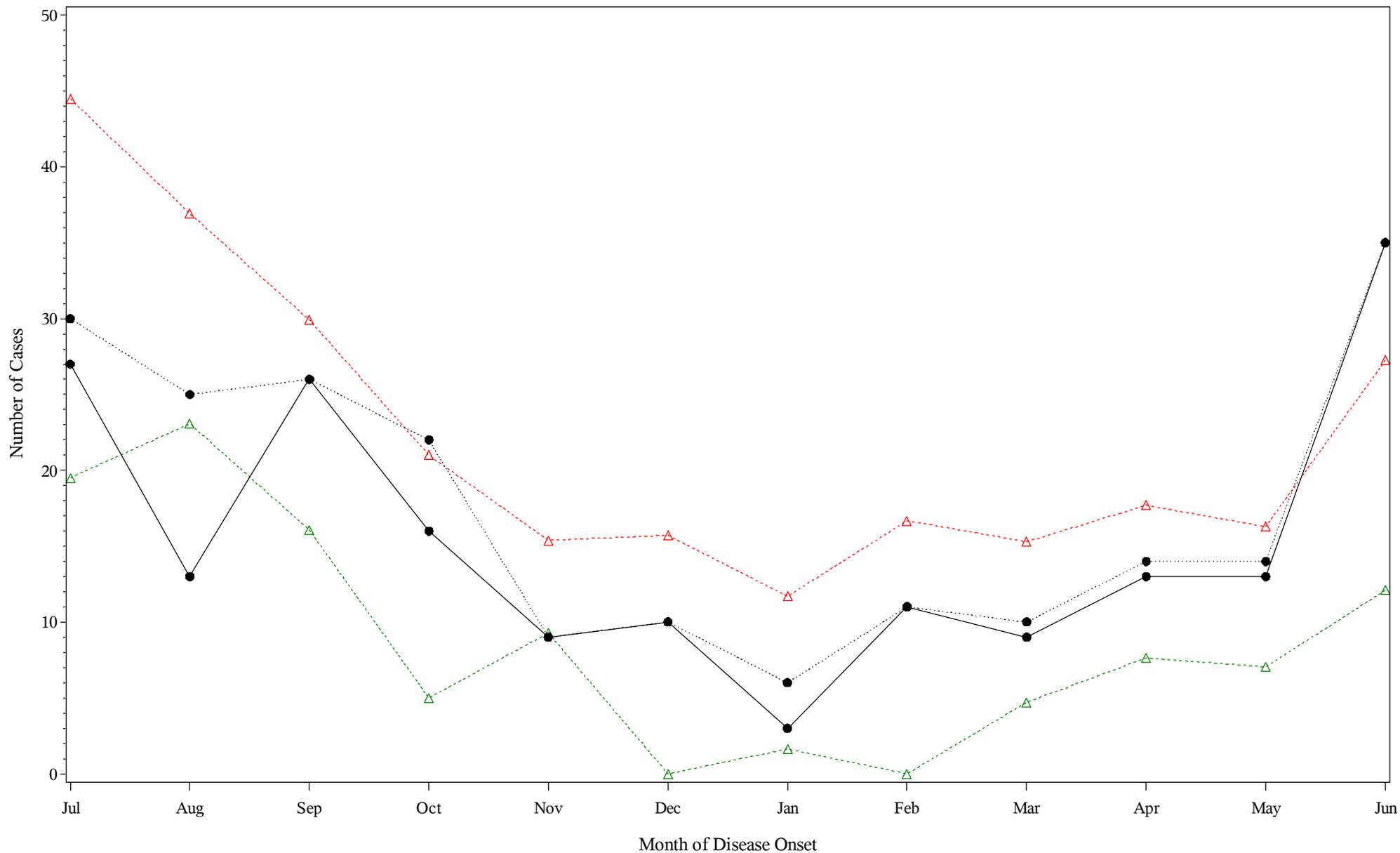
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Shiga Toxin-Producing Escherichia coli



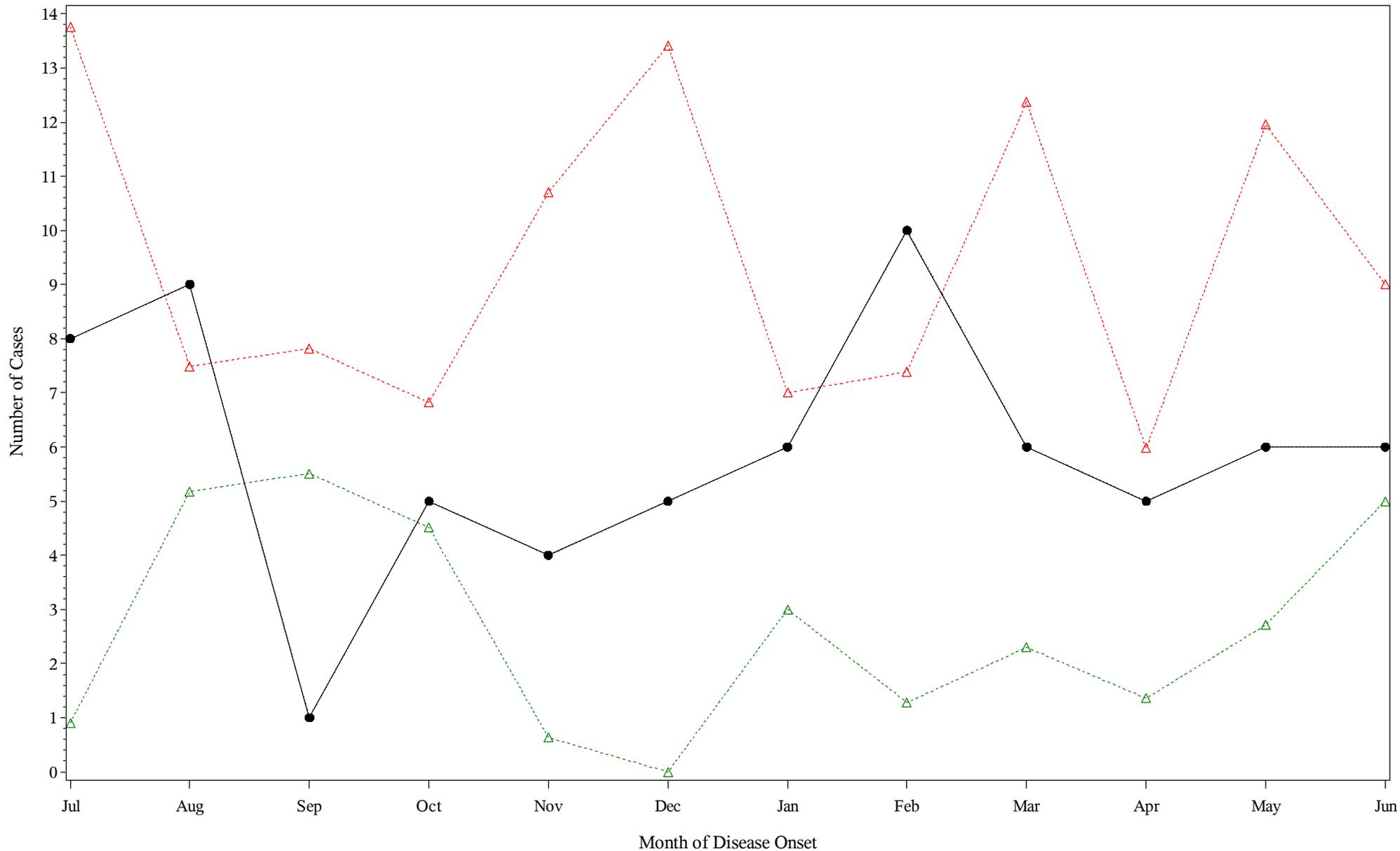
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Streptococcal Disease, Group B, in Newborn

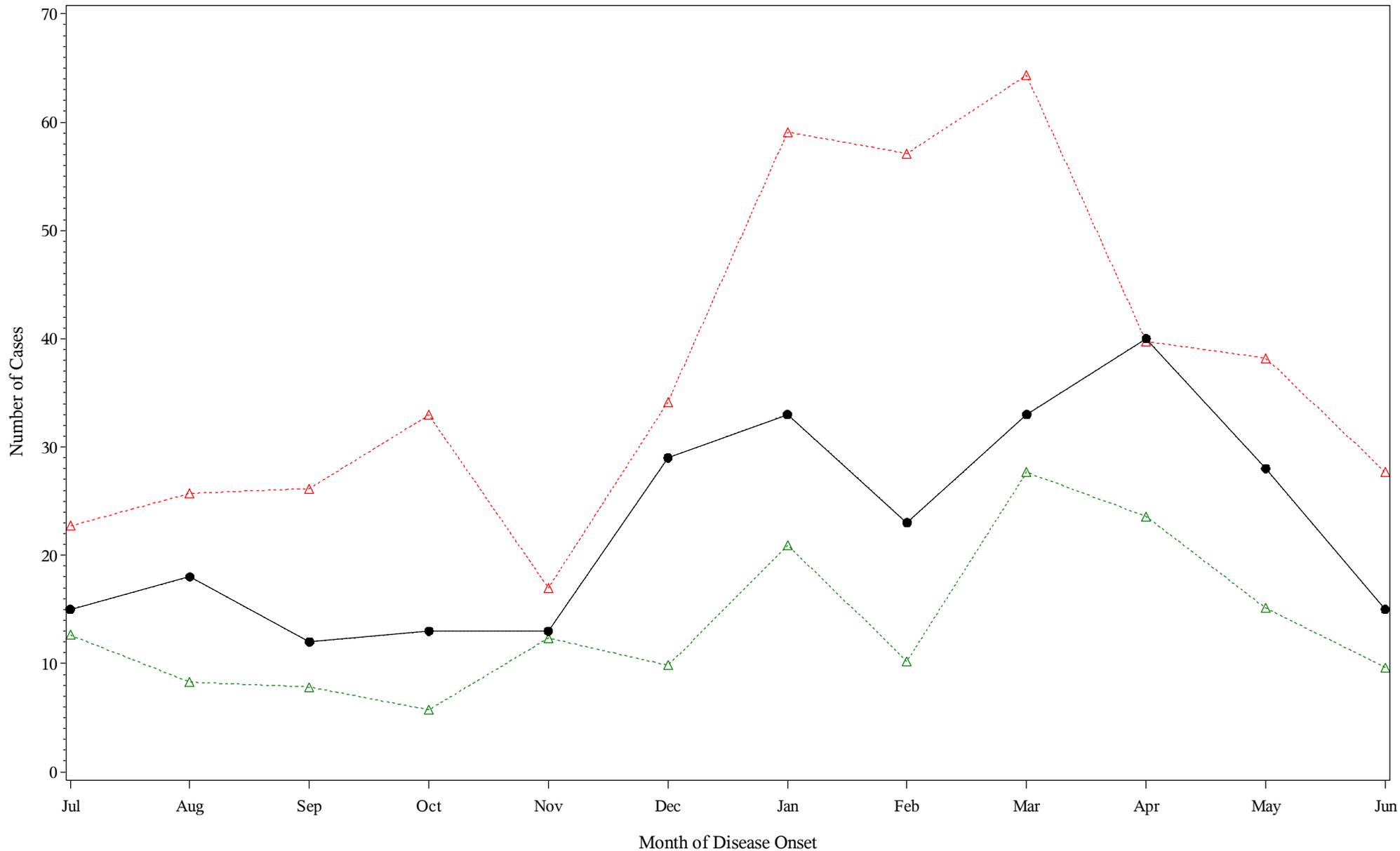


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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Streptococcal Disease, Group A, Invasive

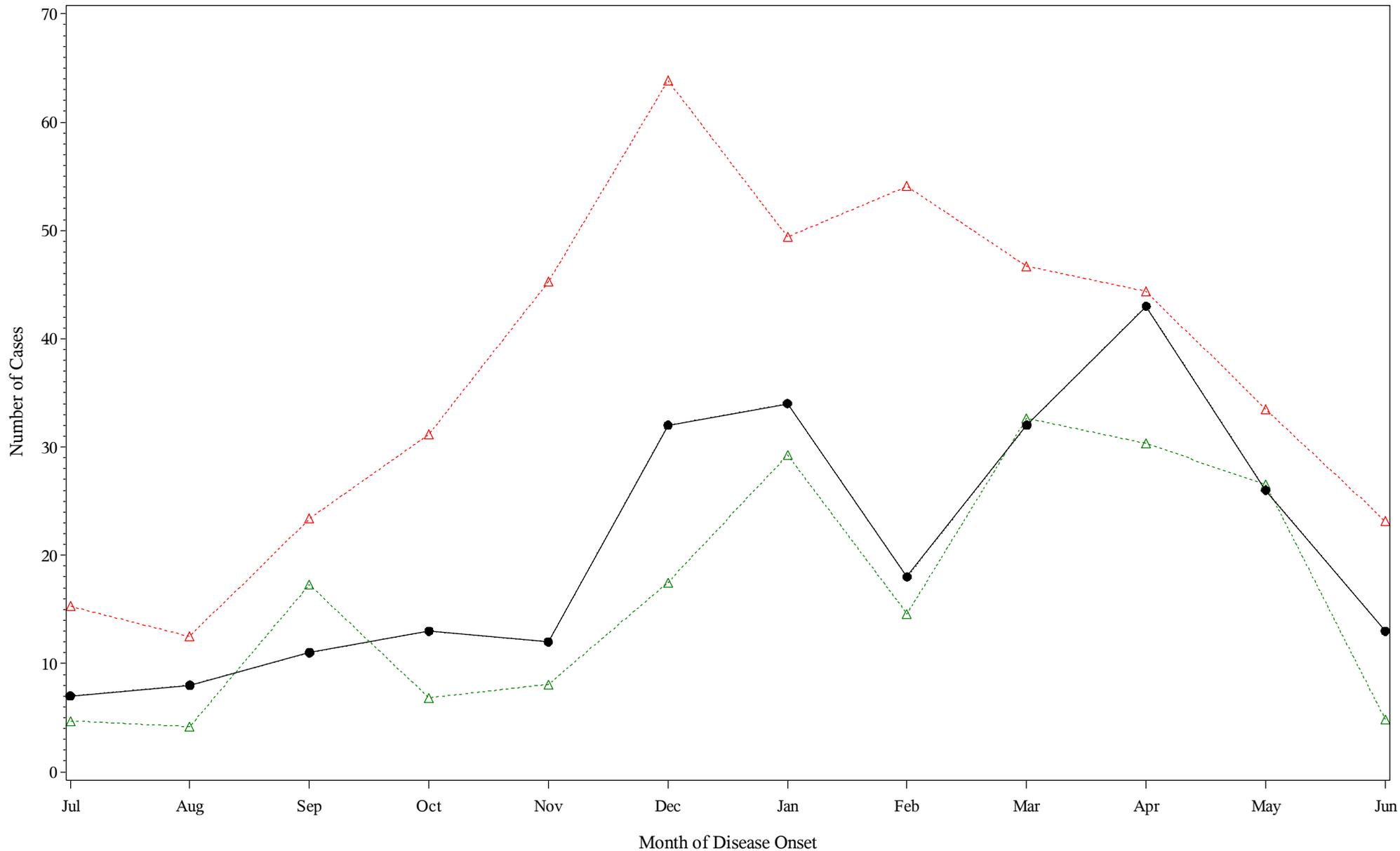


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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate

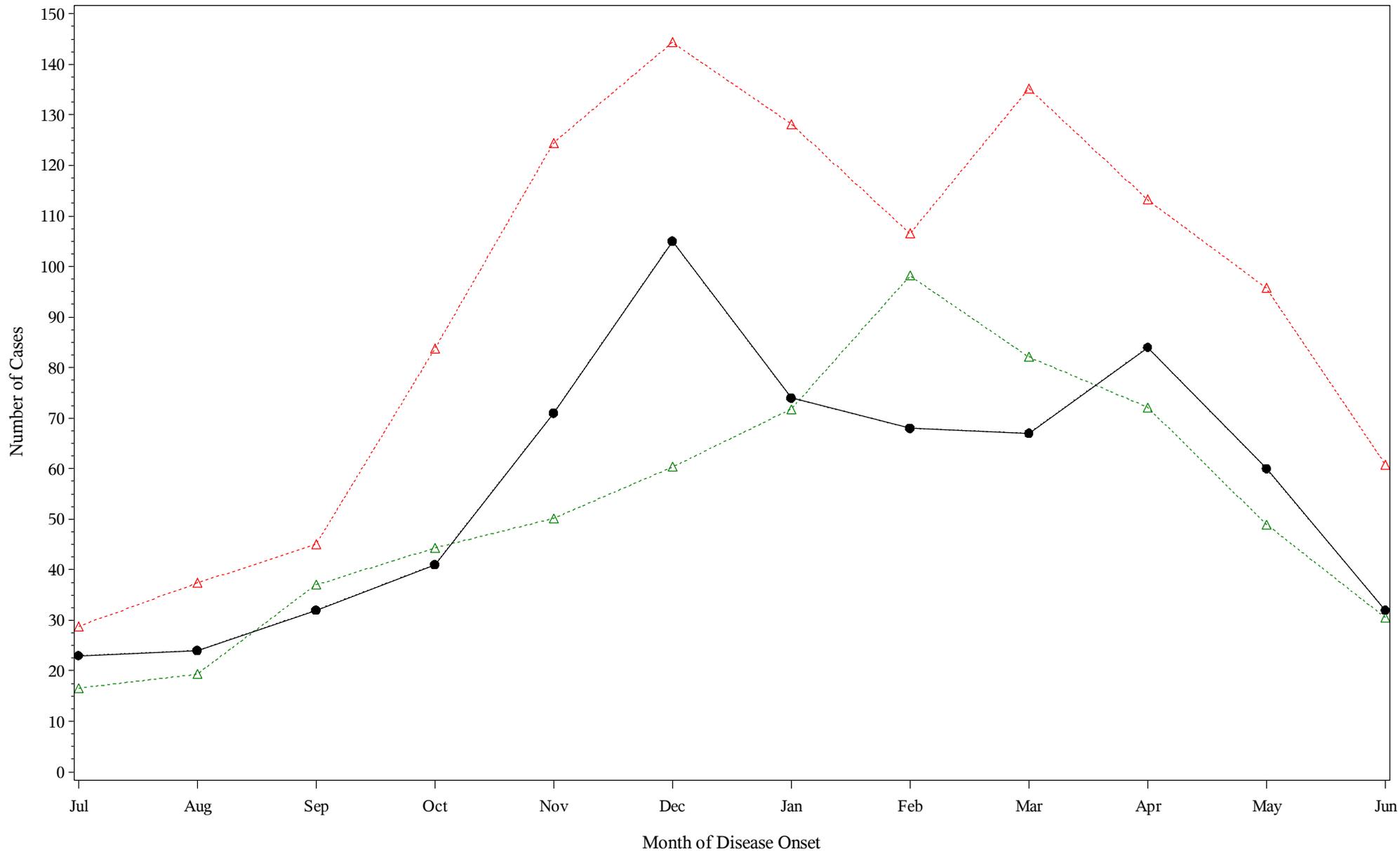


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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

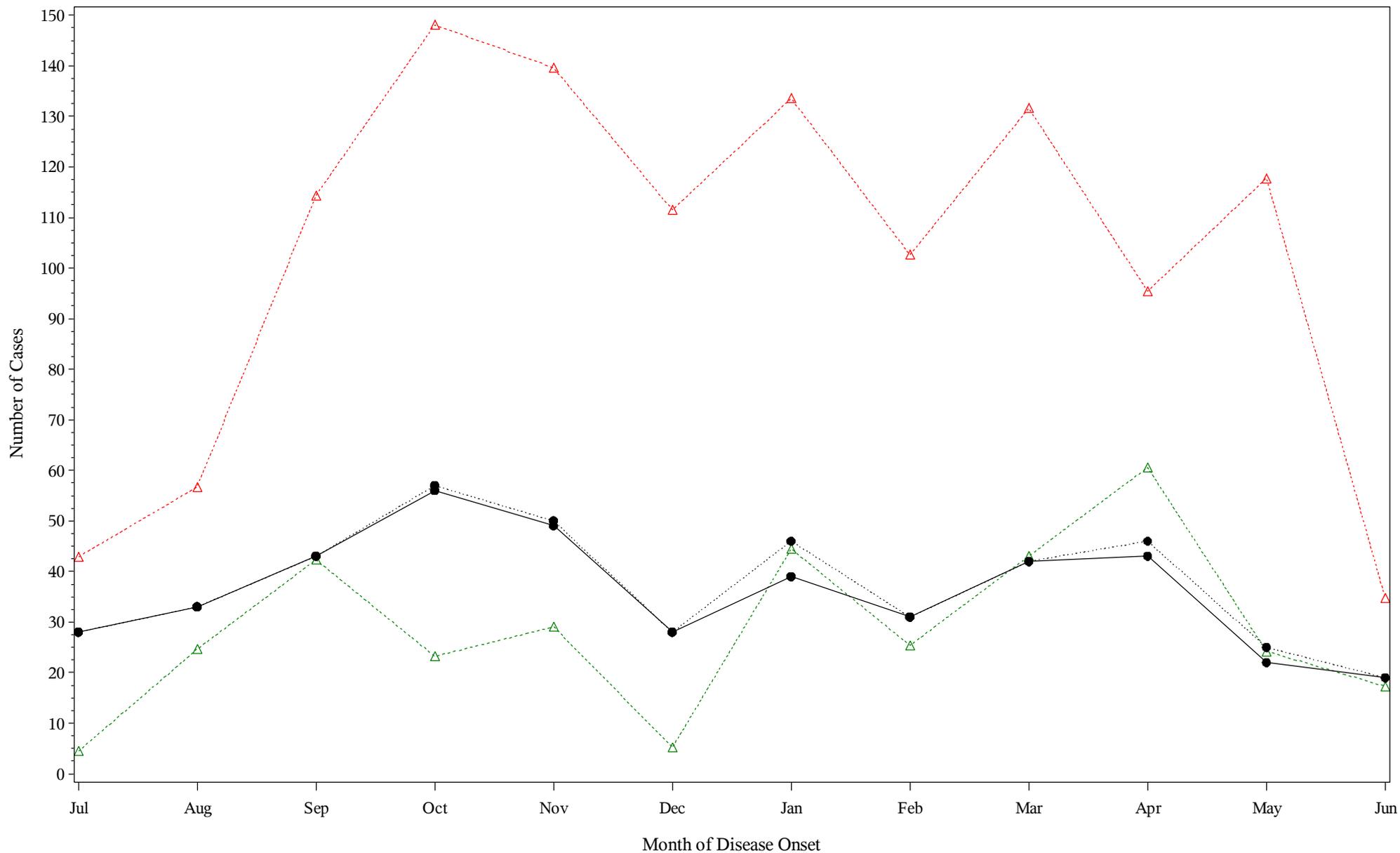


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## Varicella



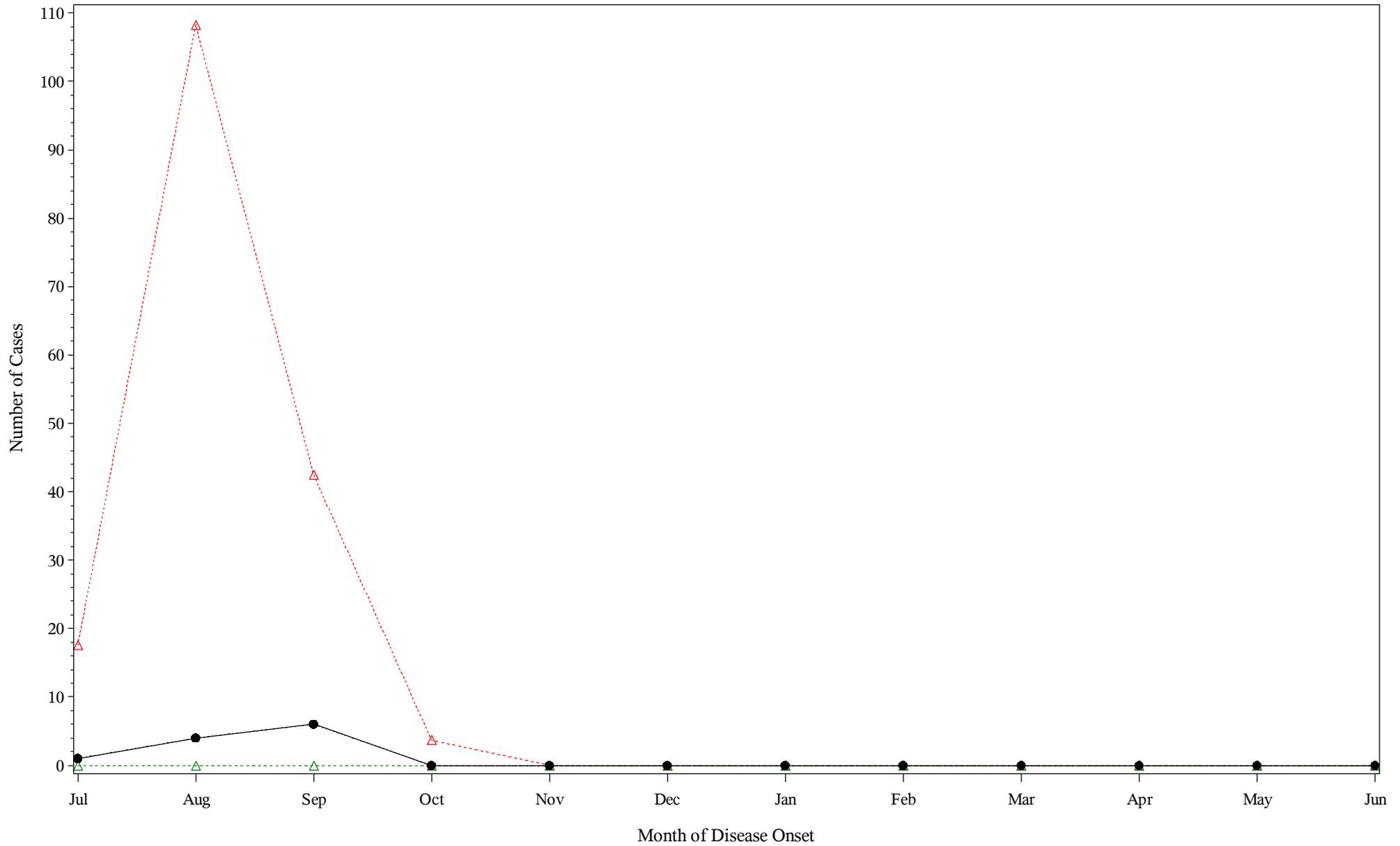
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# Quarterly Statewide Surveillance Trends by Disease, Ohio, 2014-2015

## West Nile Virus Disease



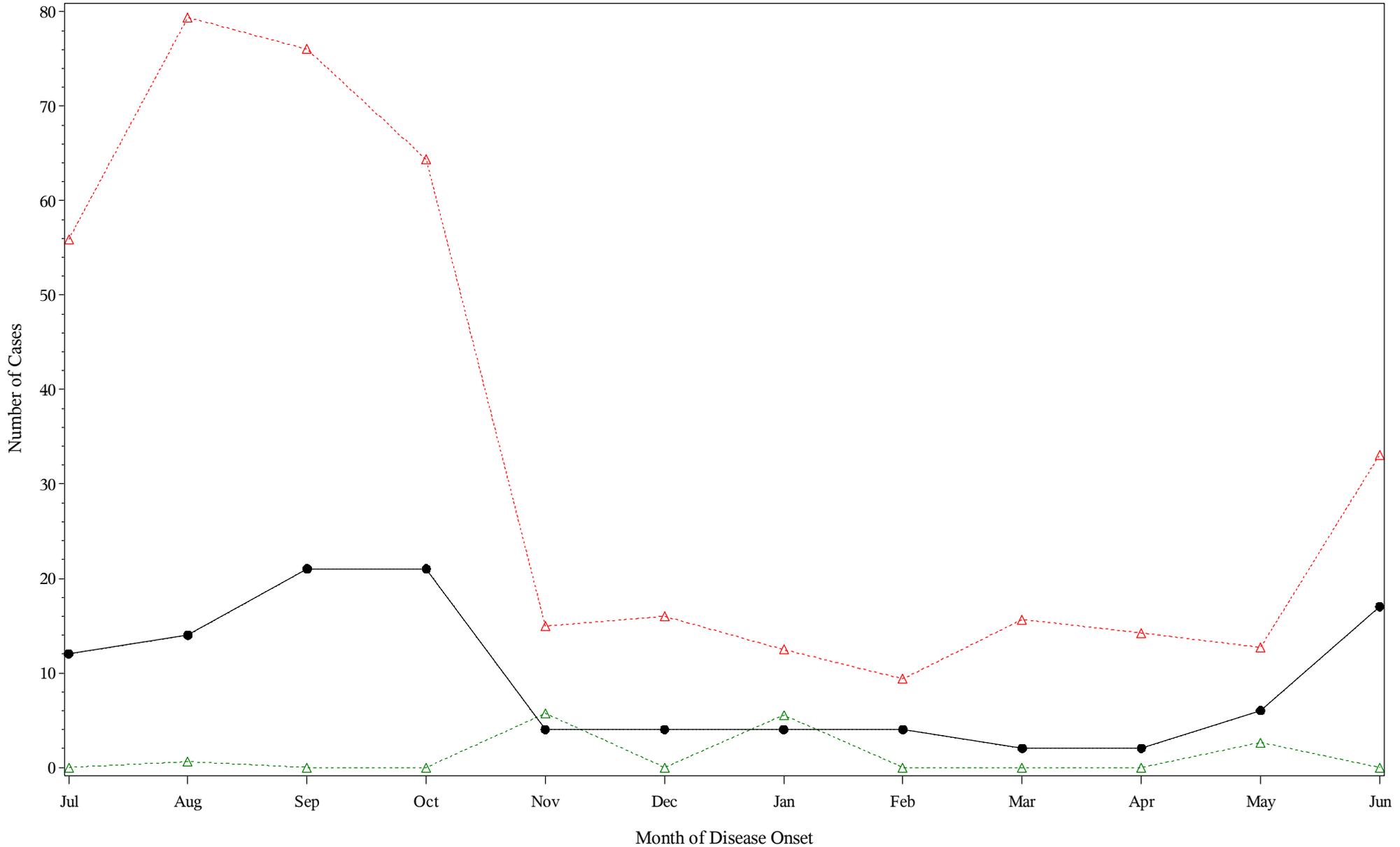
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Aseptic Meningitis



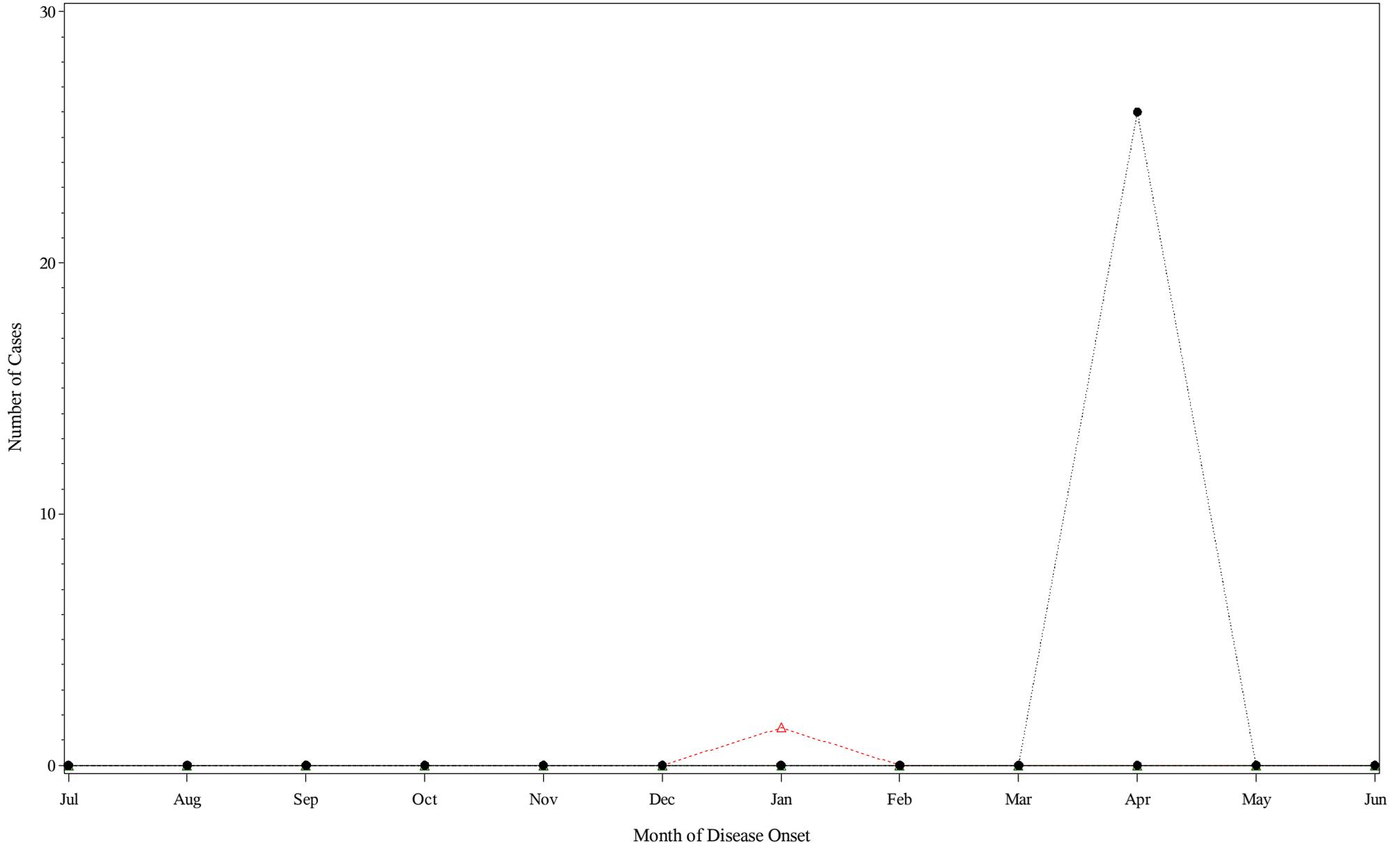
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Botulism, Foodborne



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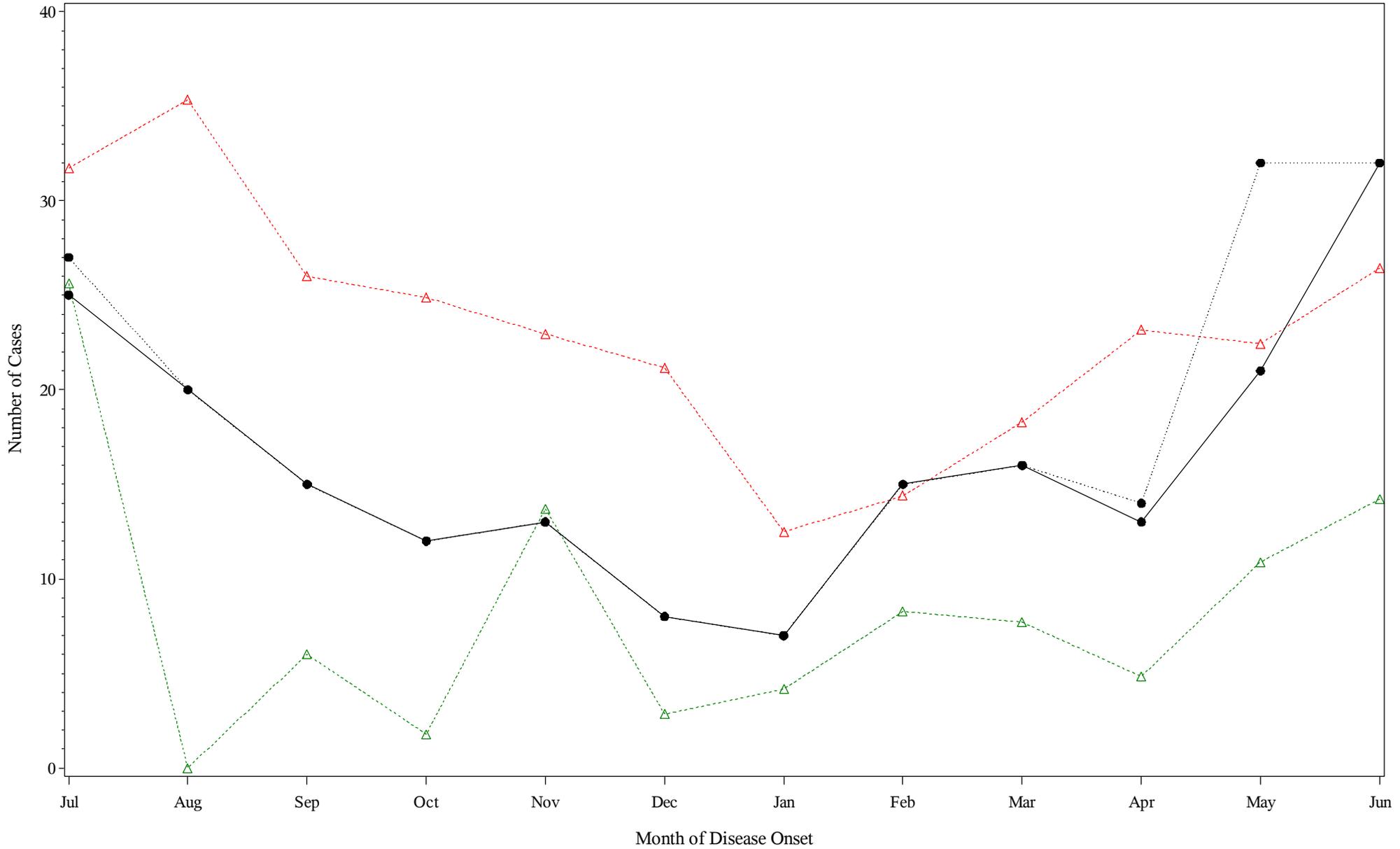
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central      Campylobacteriosis



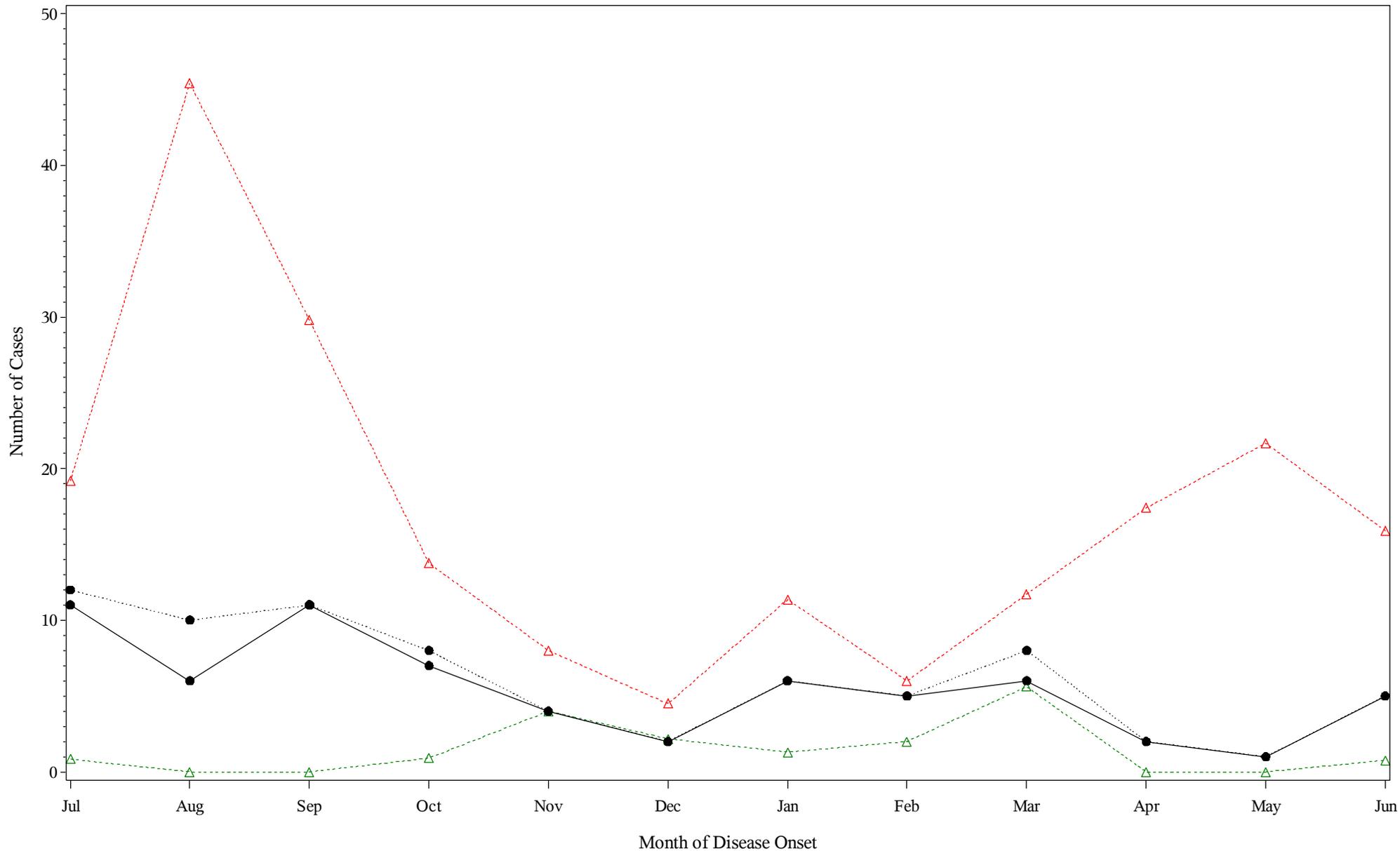
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Cryptosporidiosis

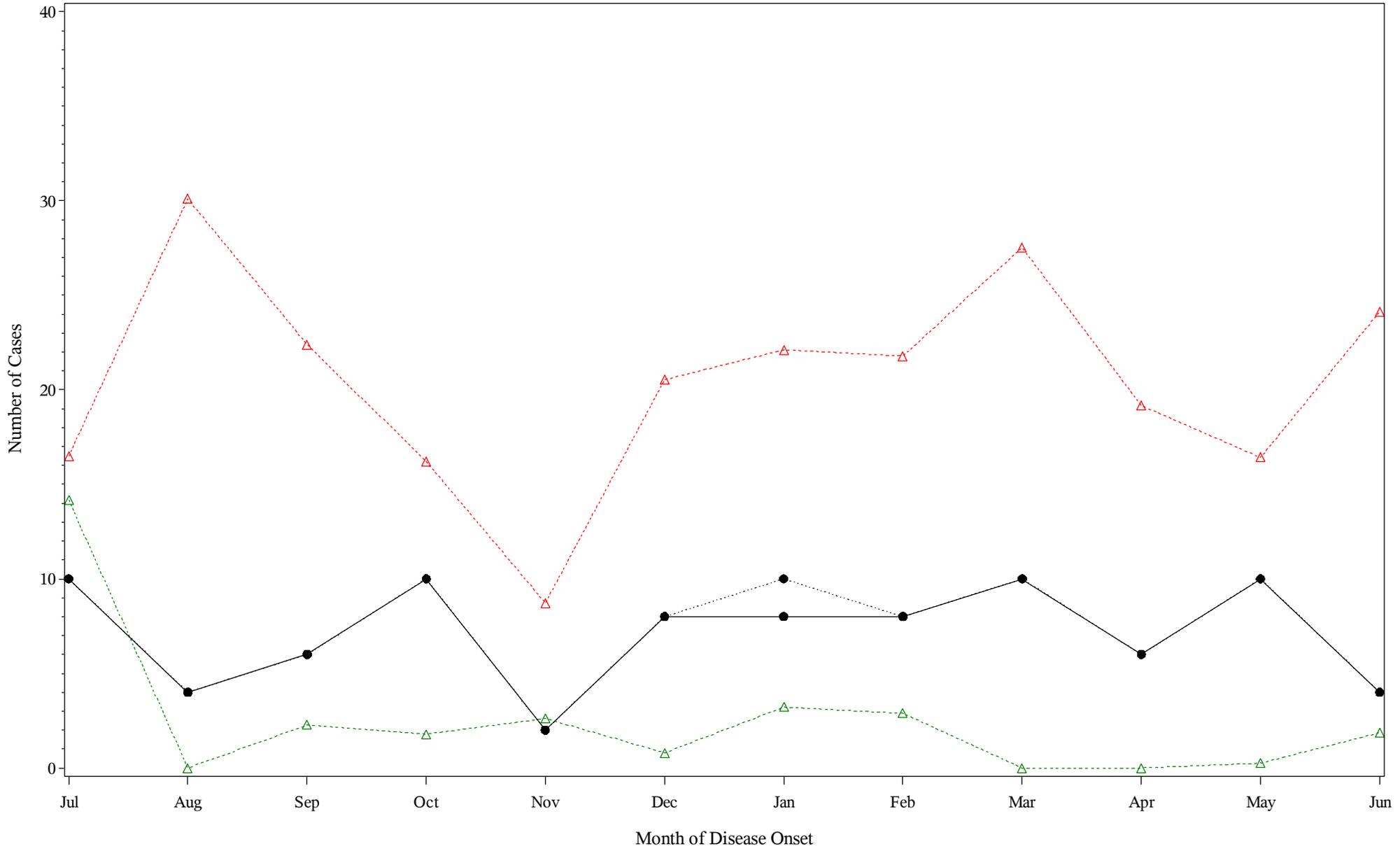


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central      Giardiasis



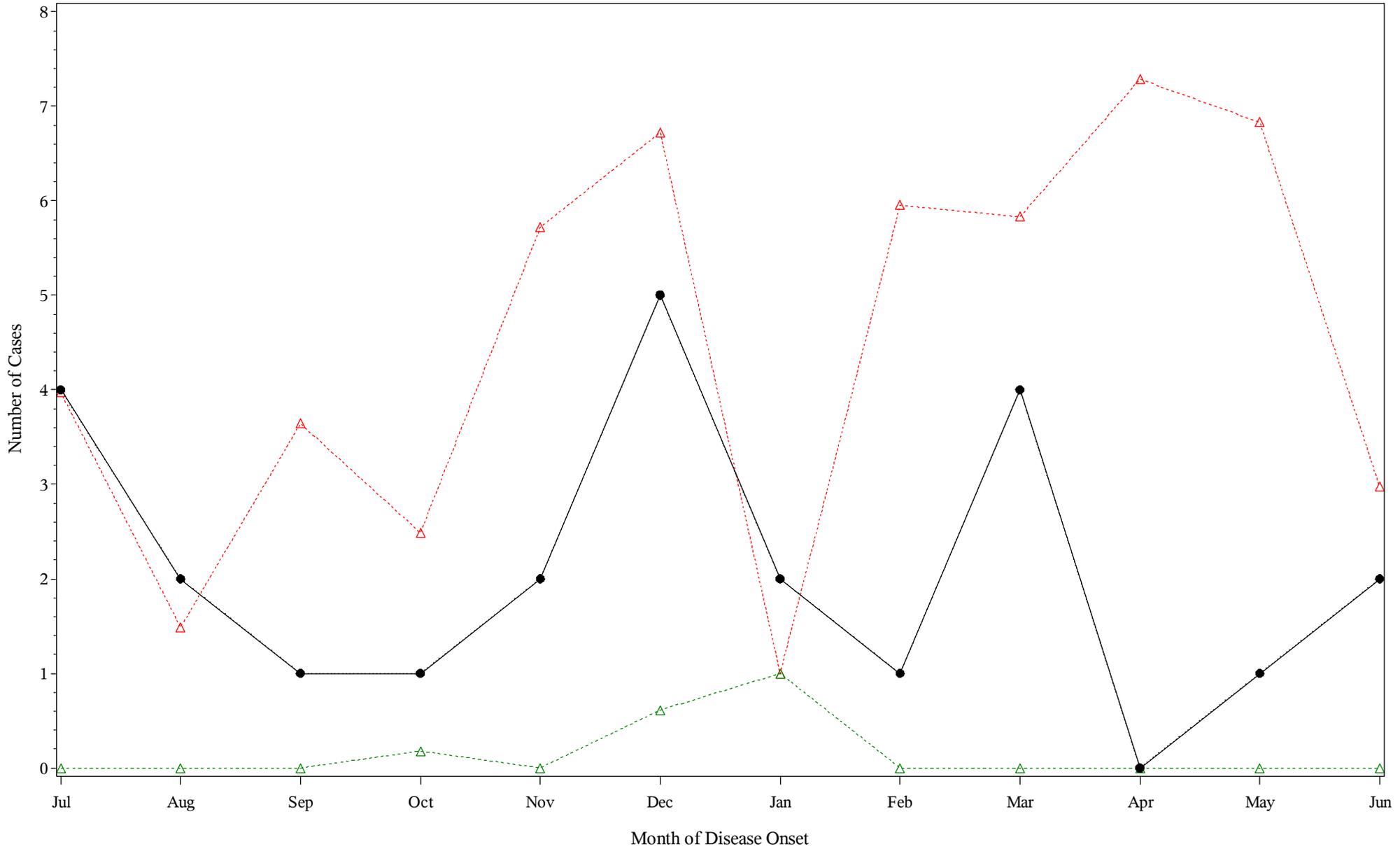
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Haemophilus influenzae, Invasive



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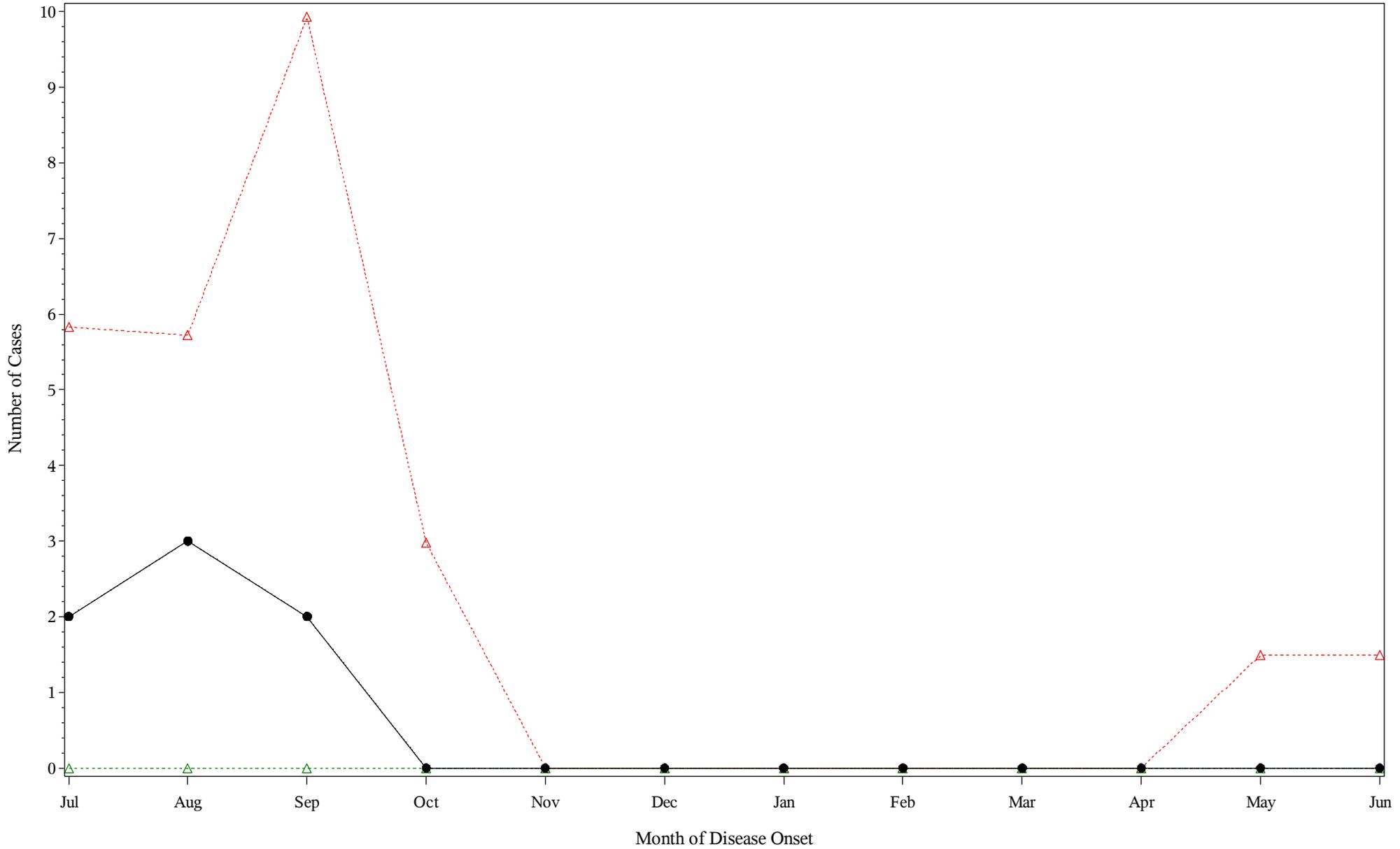
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central LaCrosse Virus Disease



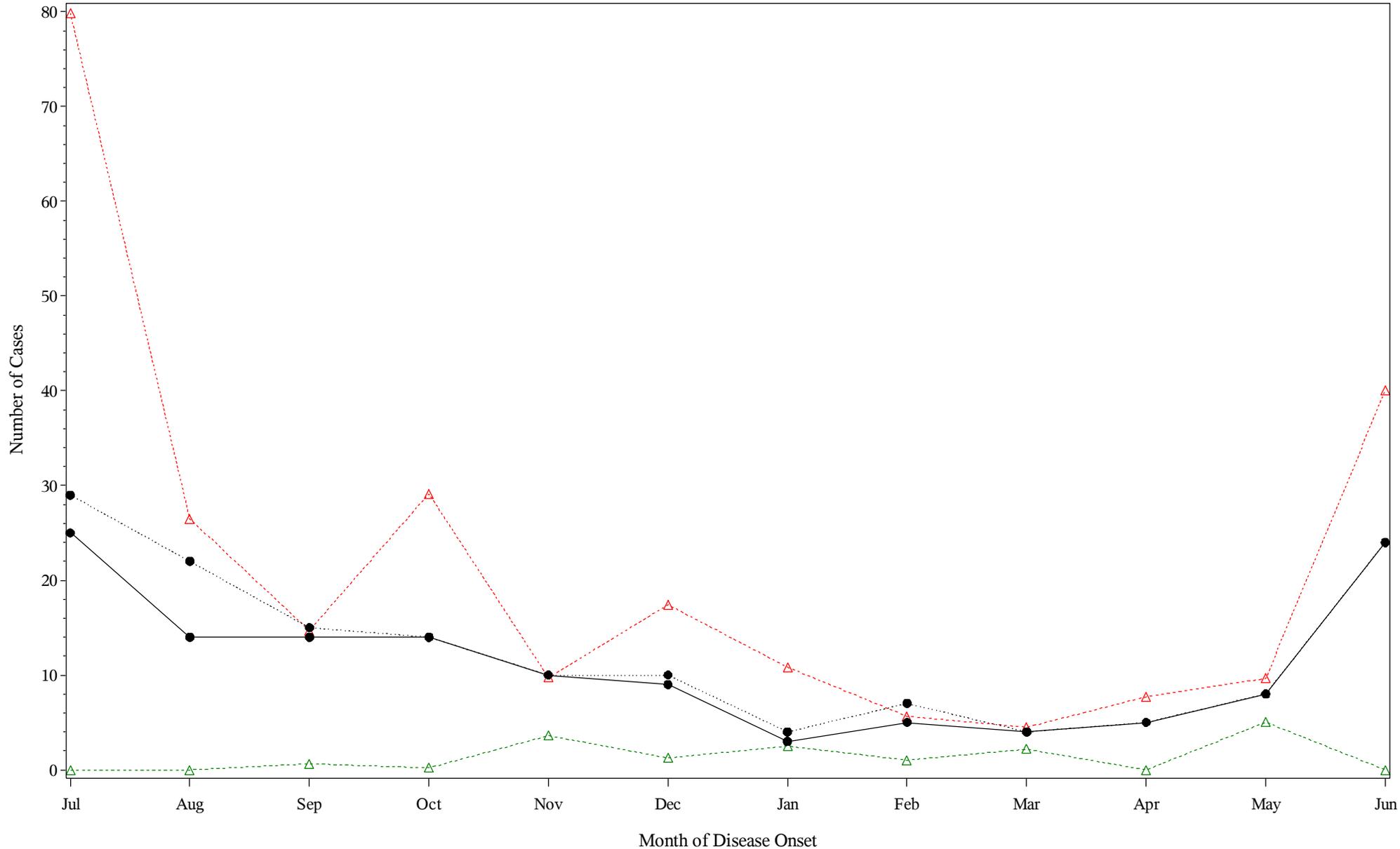
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Legionellosis

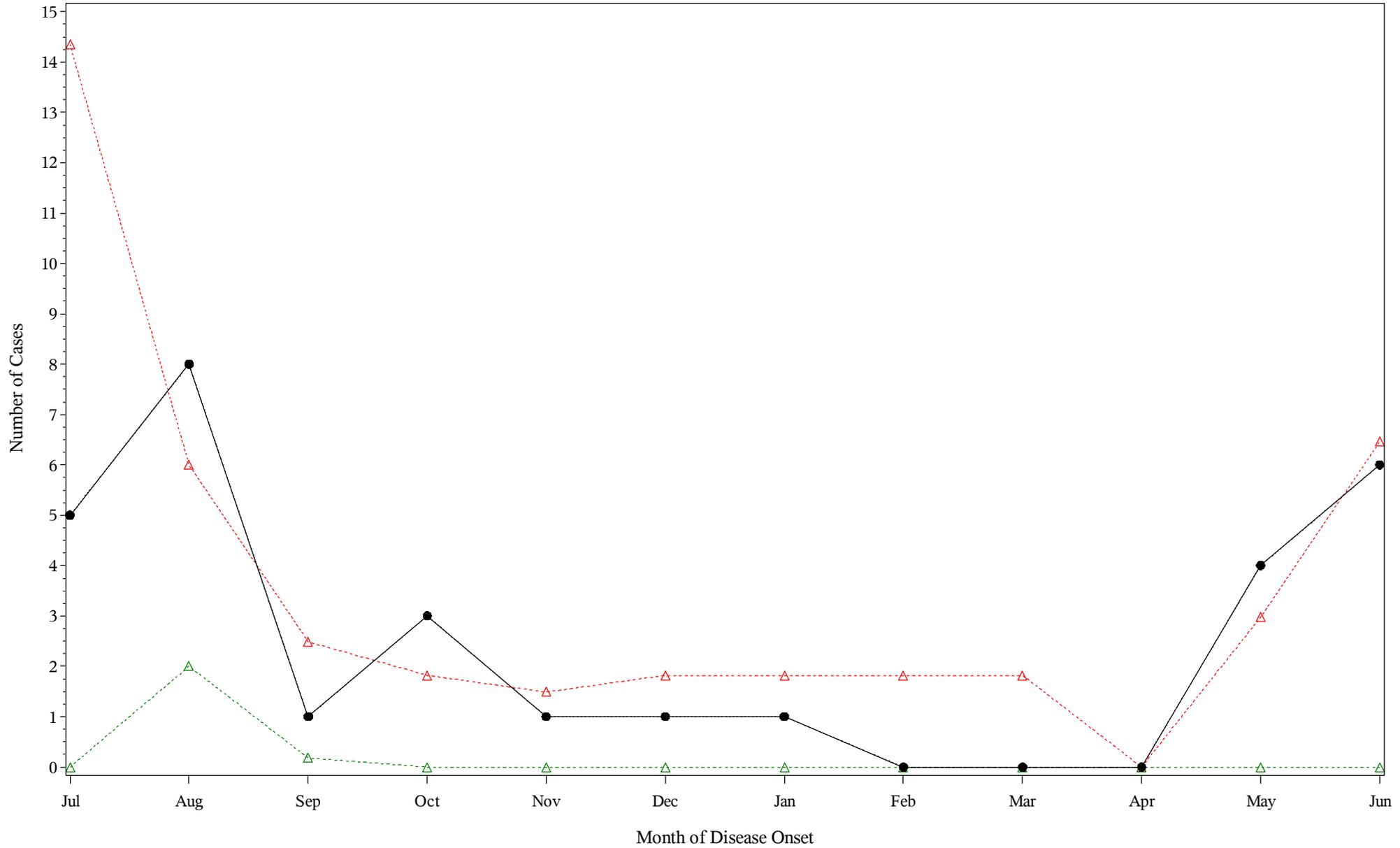


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Lyme Disease



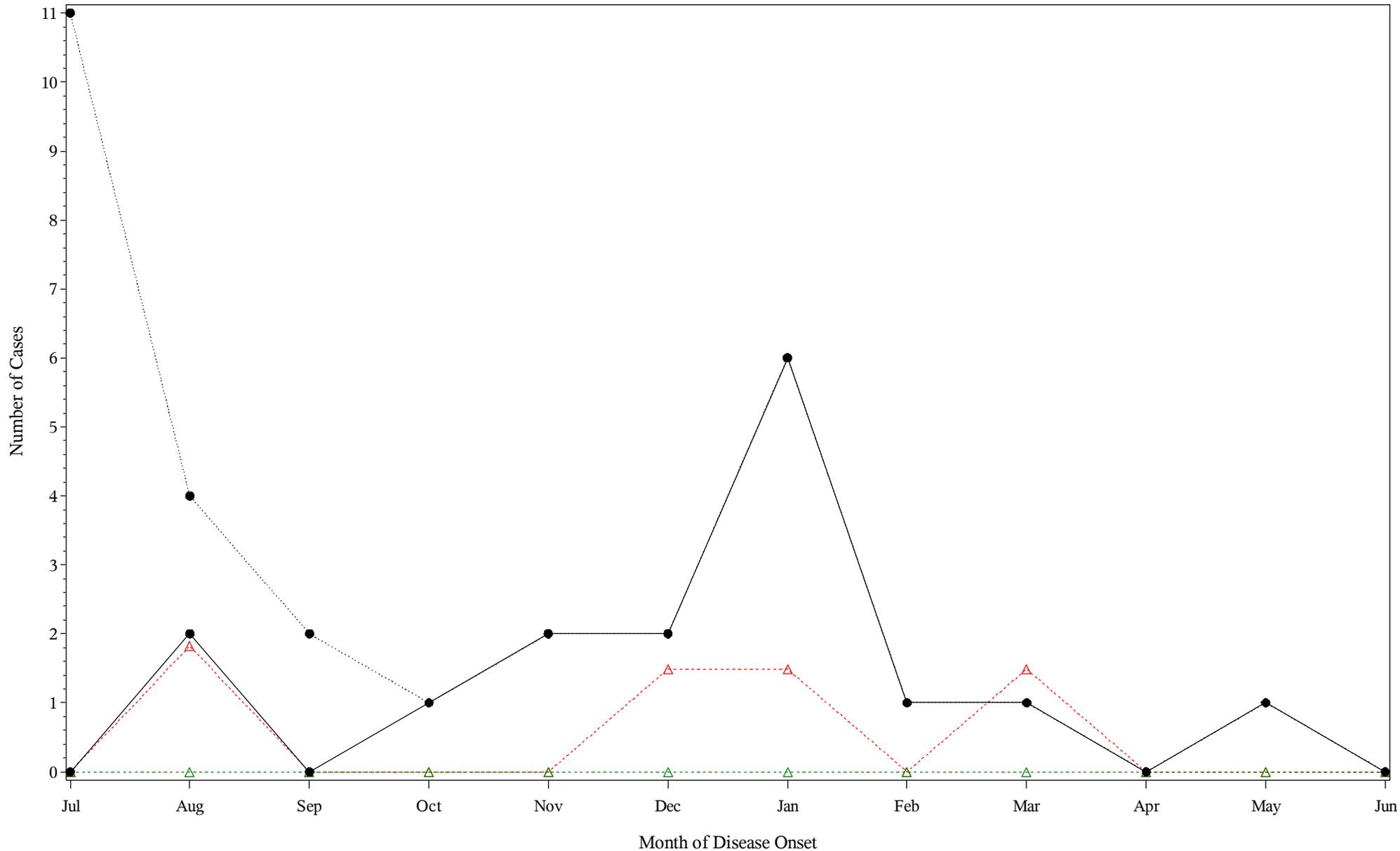
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Mumps



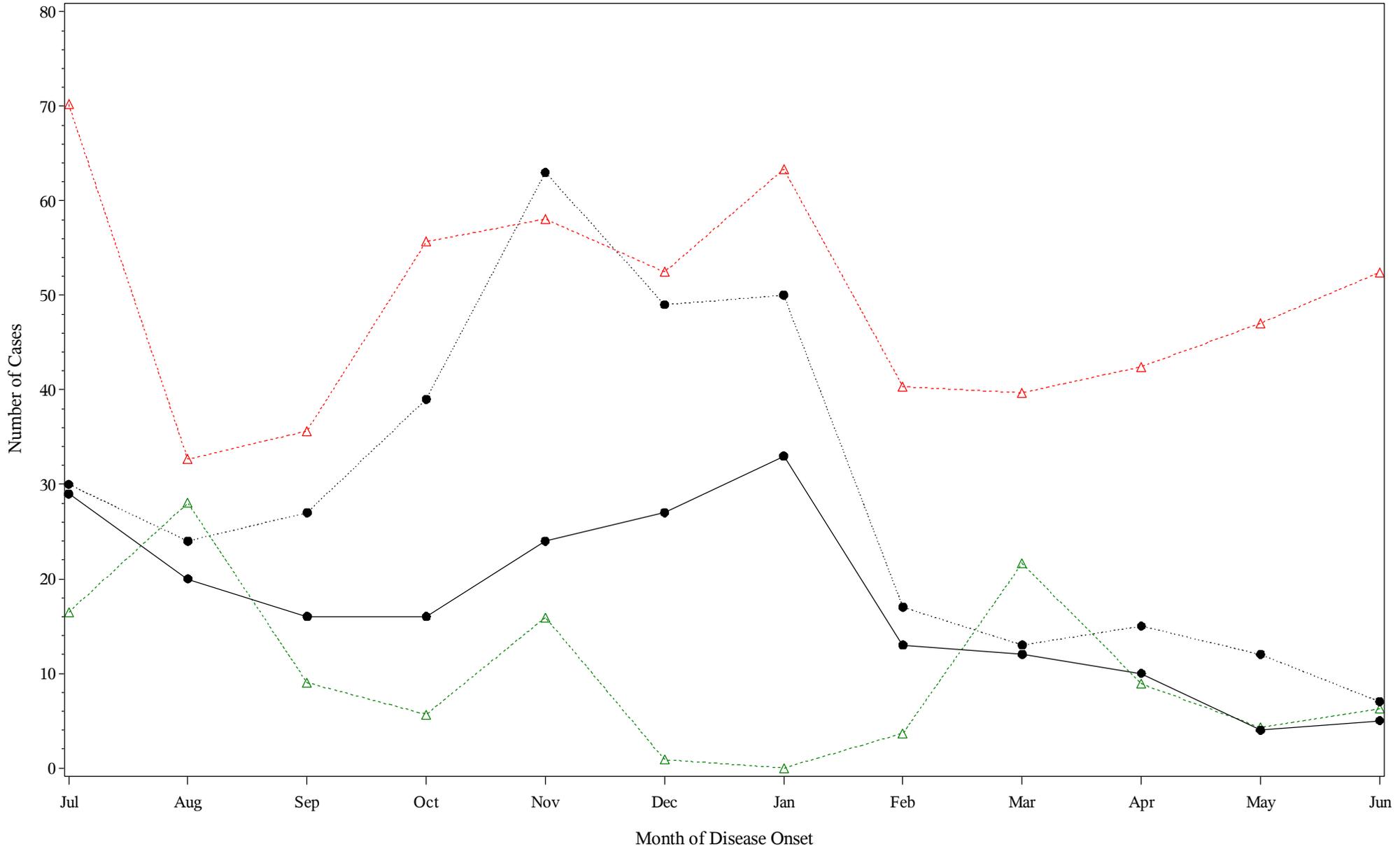
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Pertussis



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

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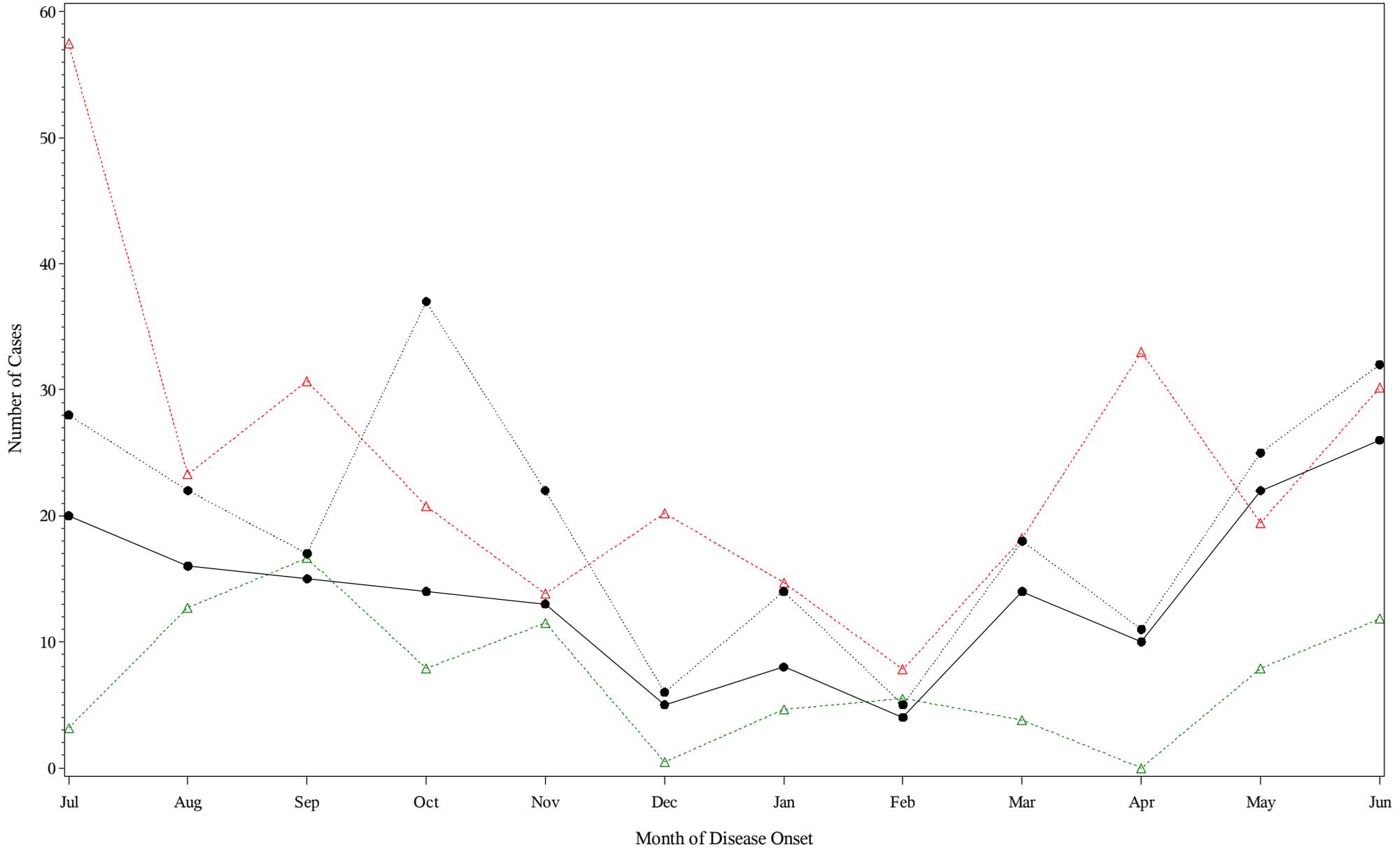
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Salmonellosis



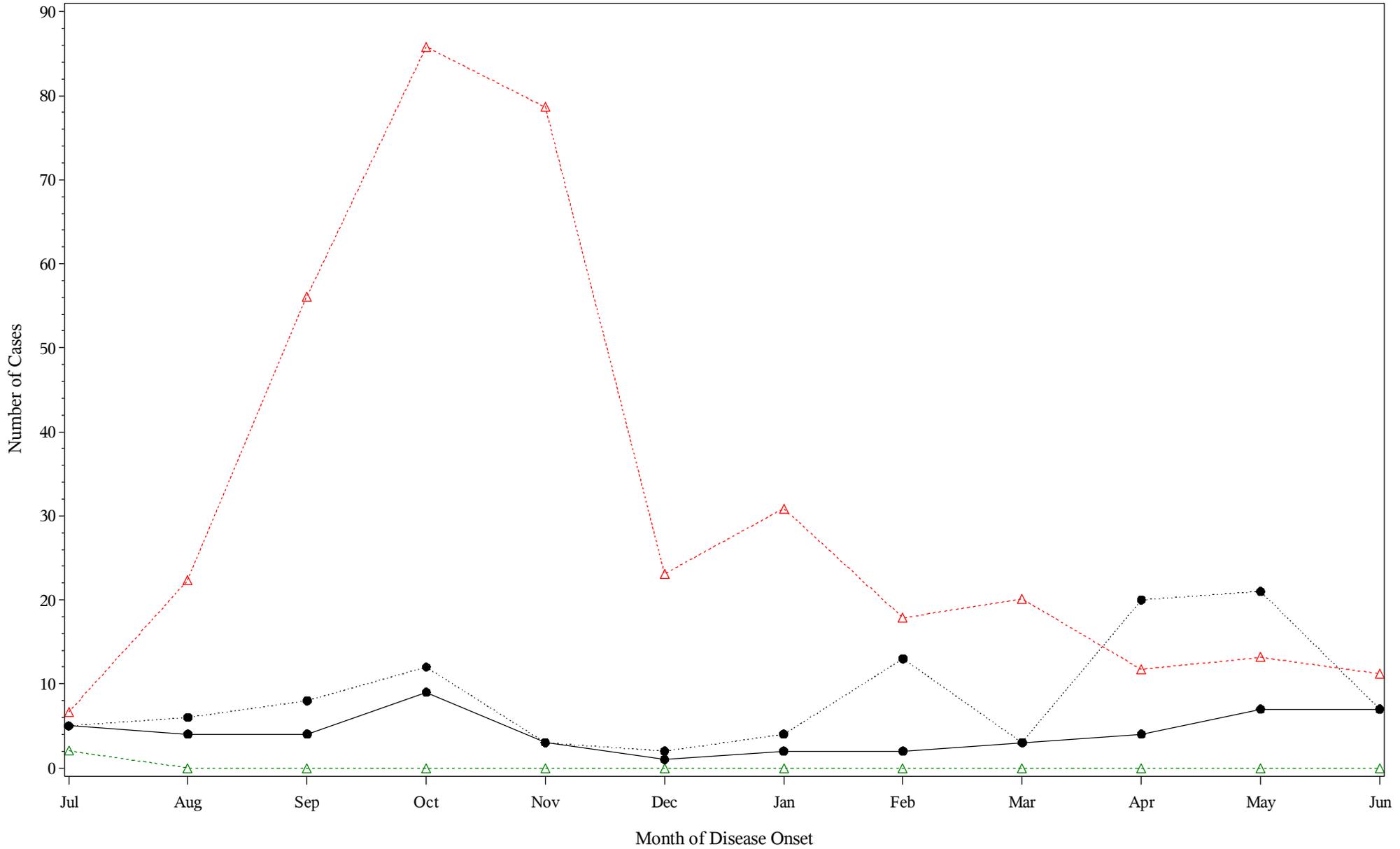
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Shigellosis



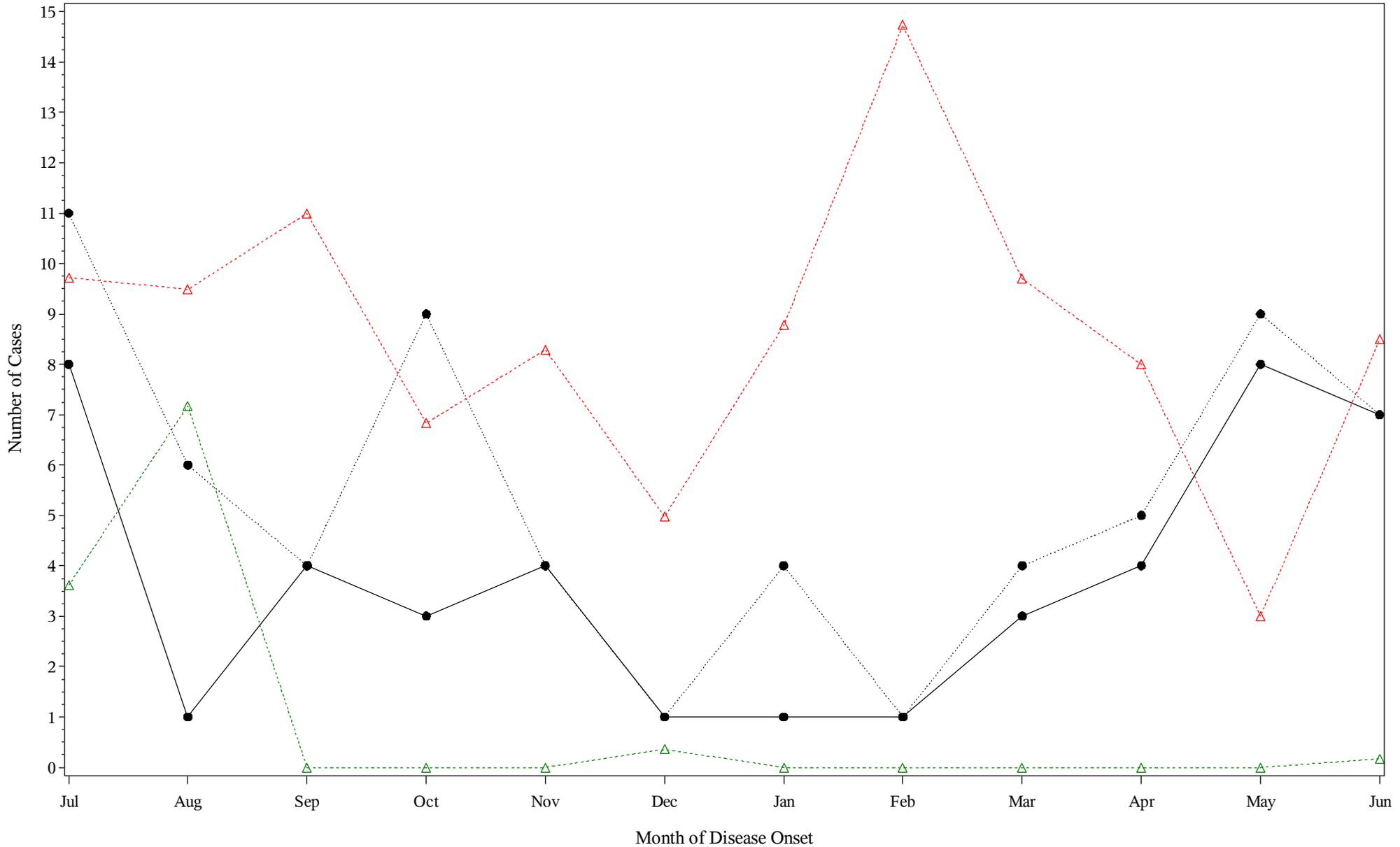
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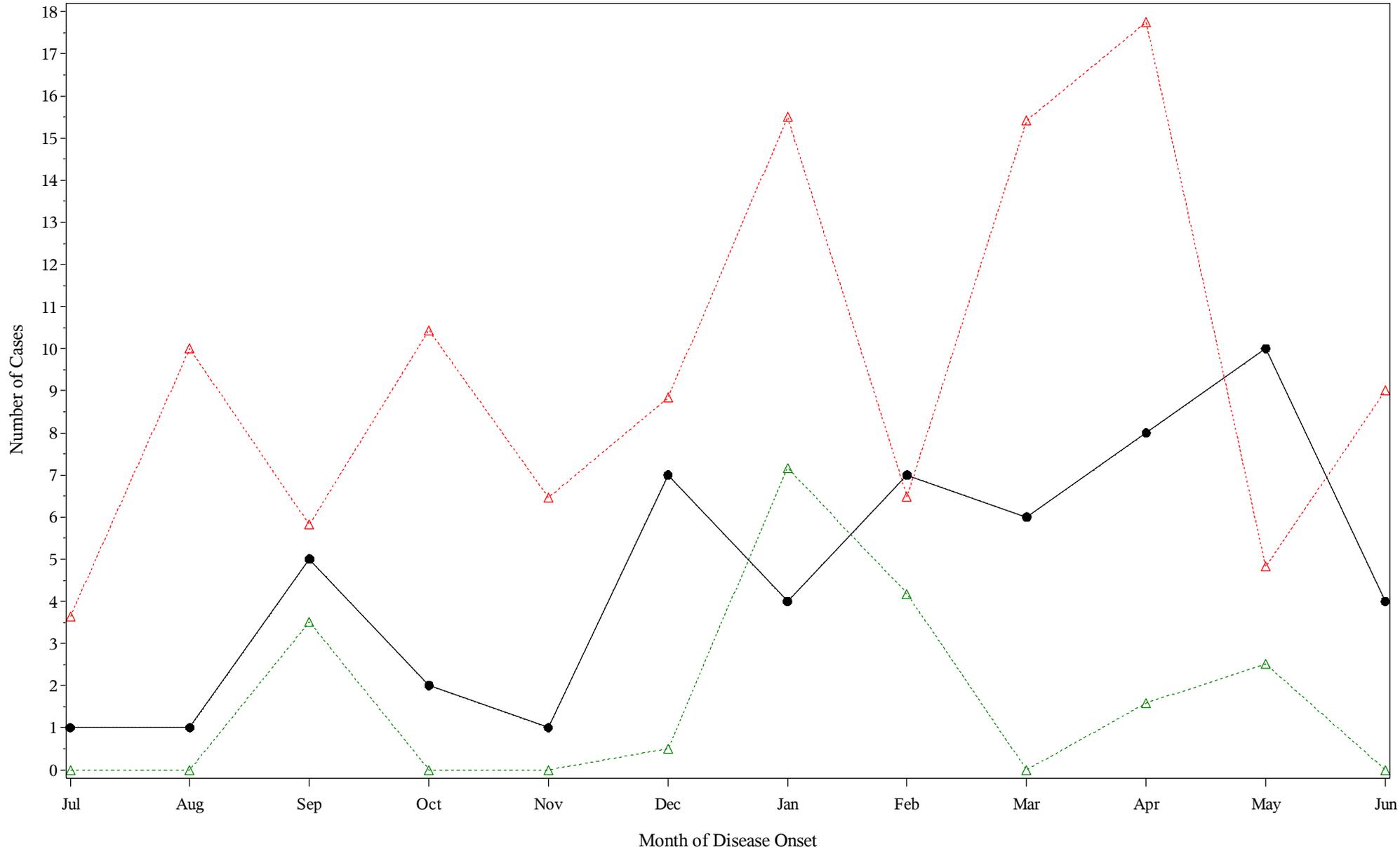
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Central Streptococcal Disease, Group A, Invasive

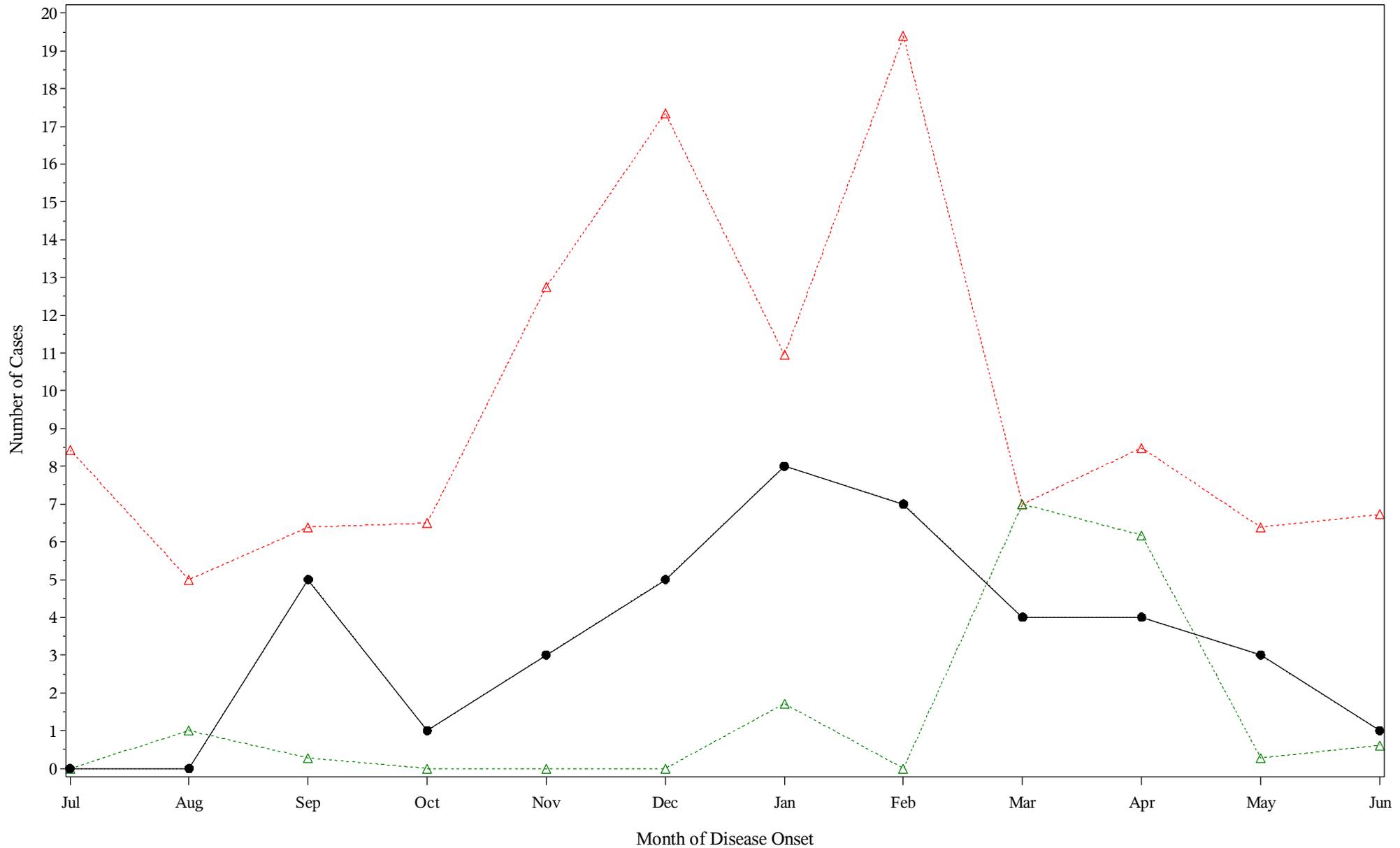


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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

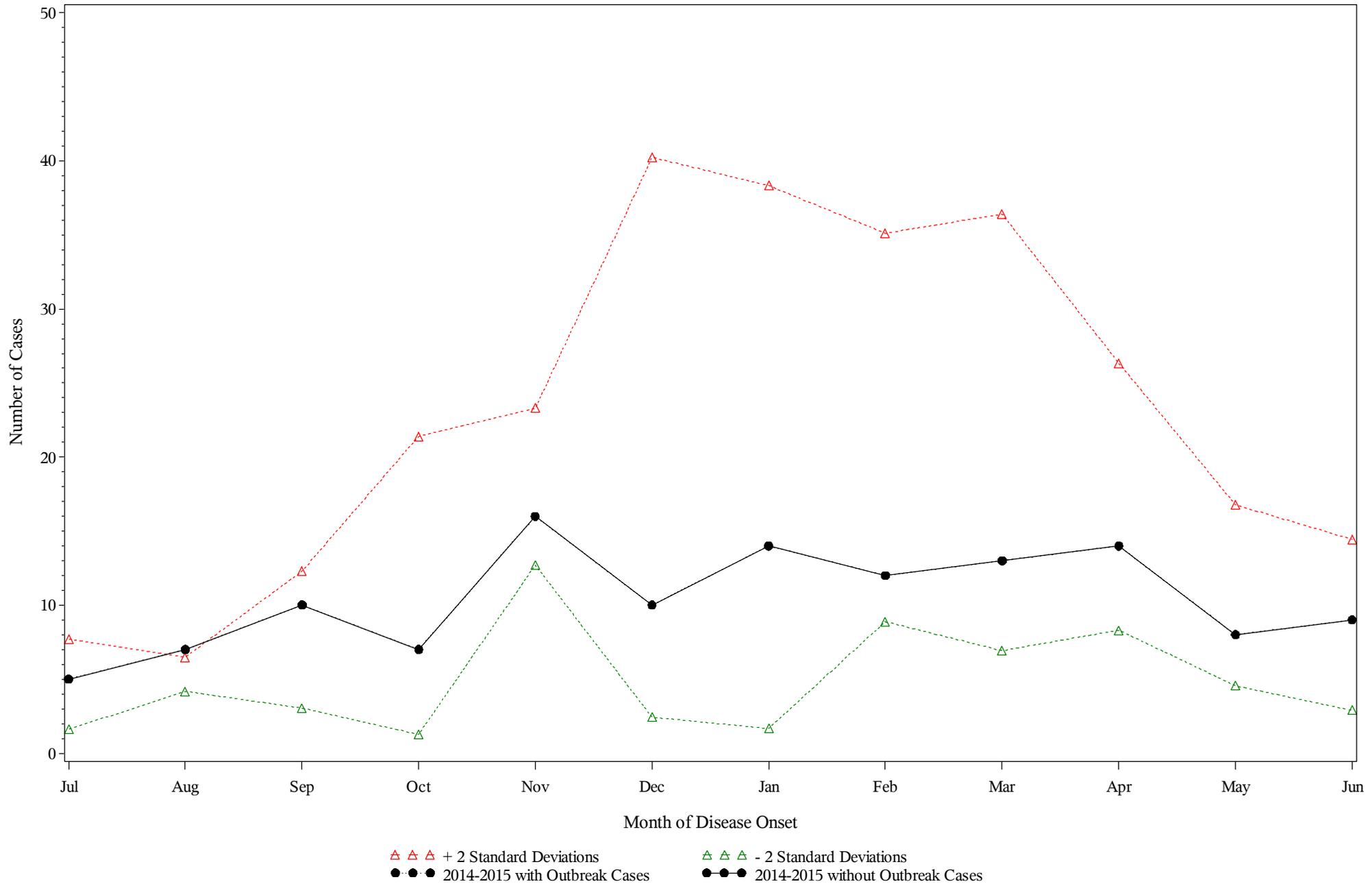
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown



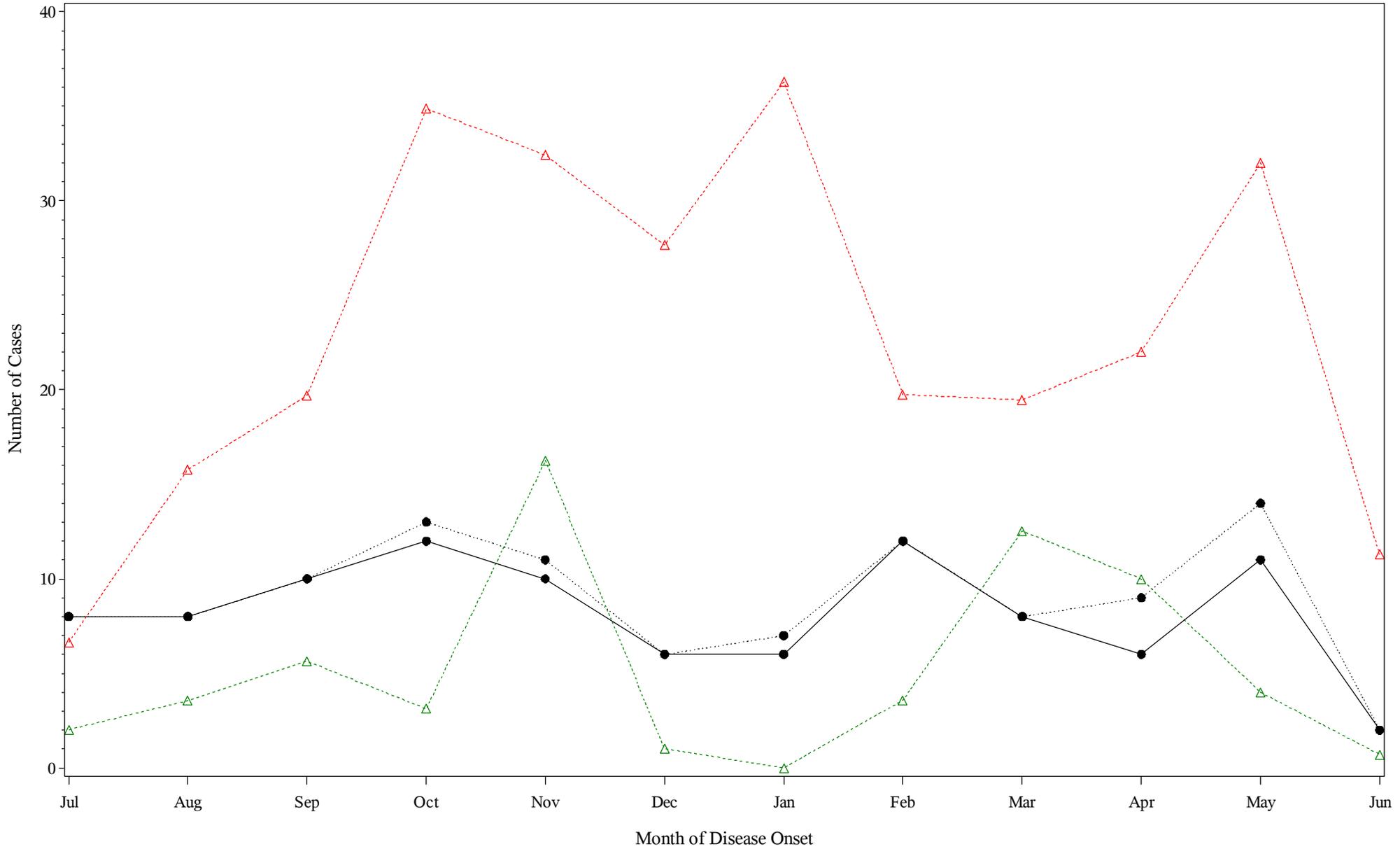
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central Varicella



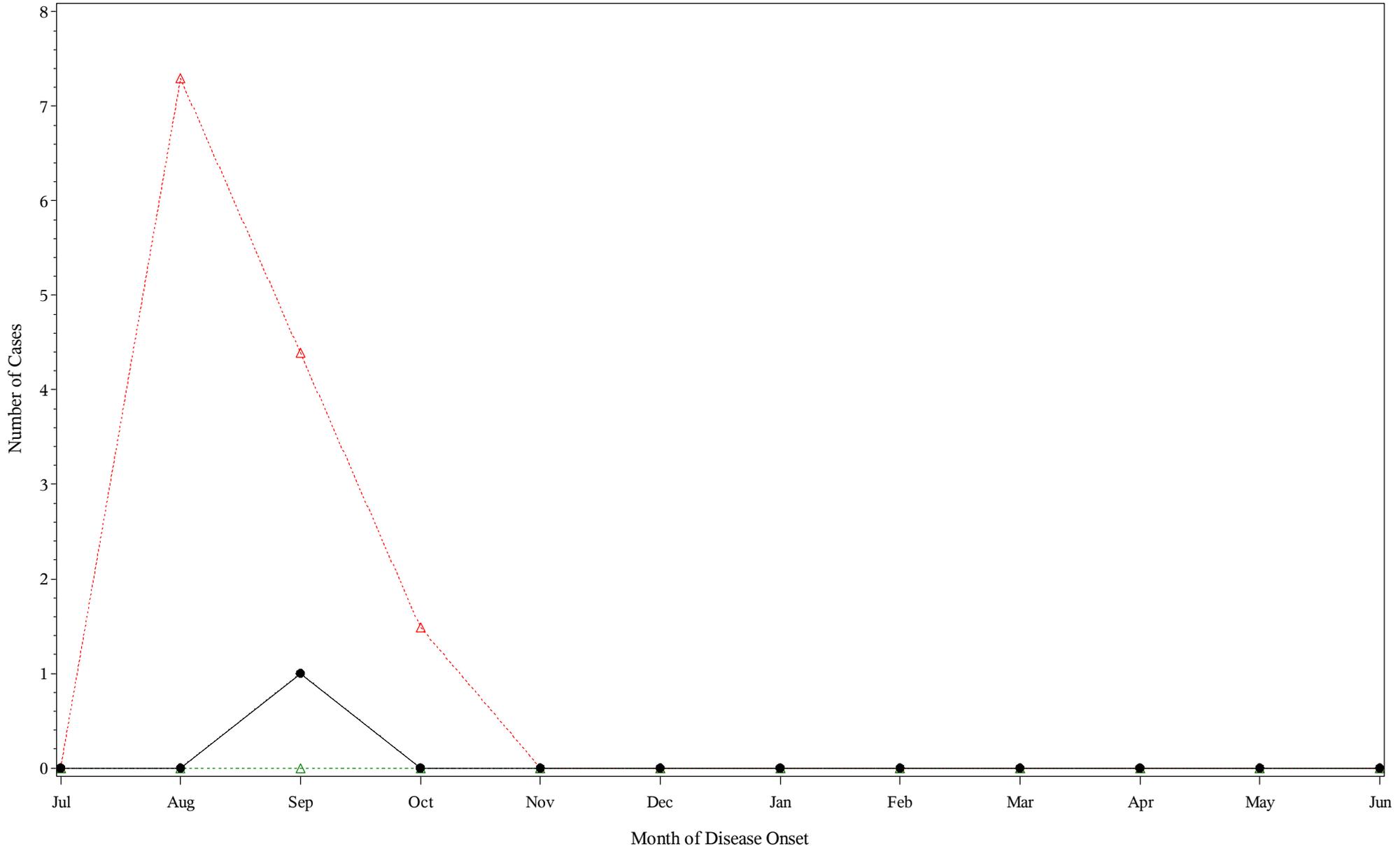
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Central West Nile Virus Disease



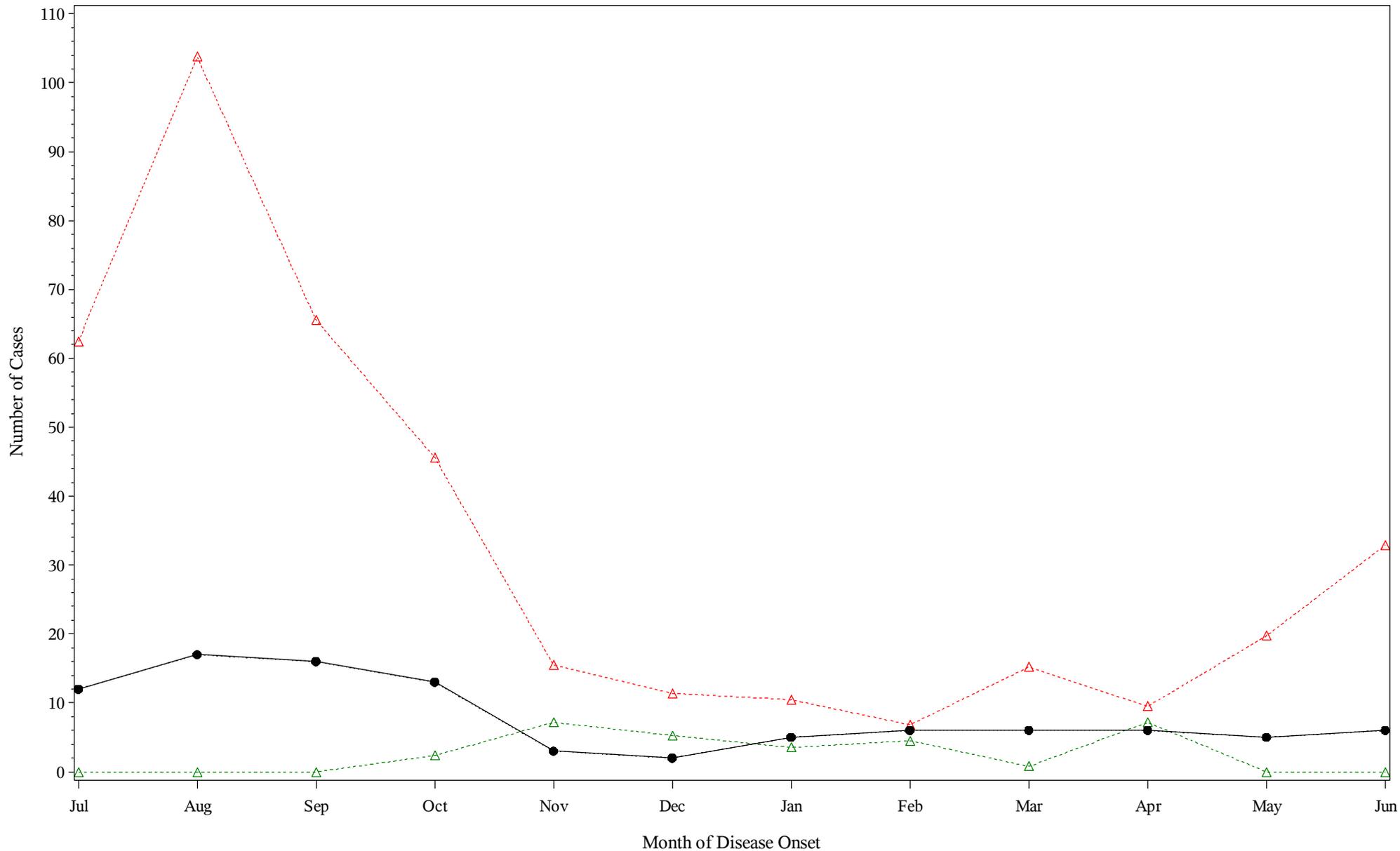
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central      Aseptic Meningitis

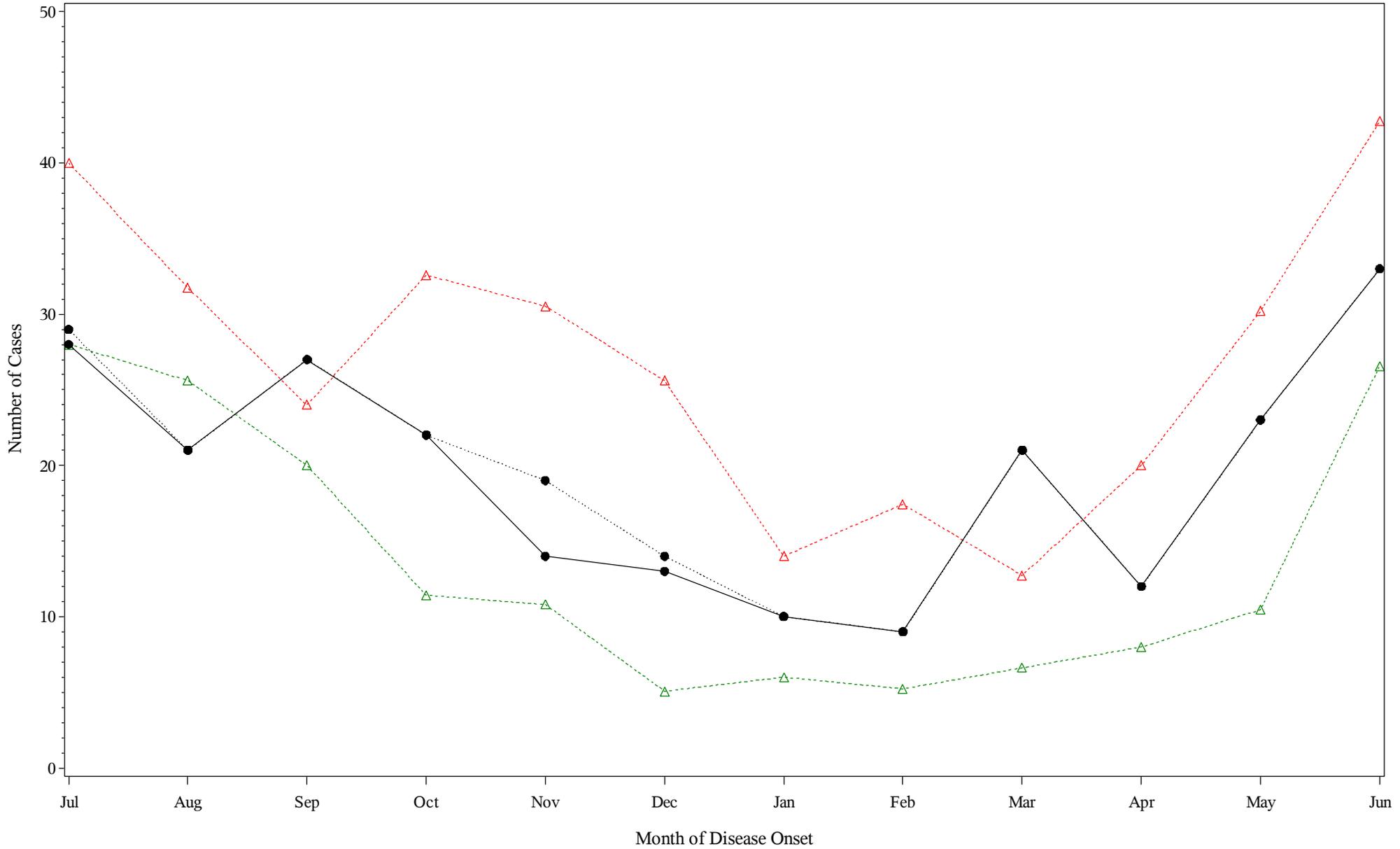


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central      Campylobacteriosis



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

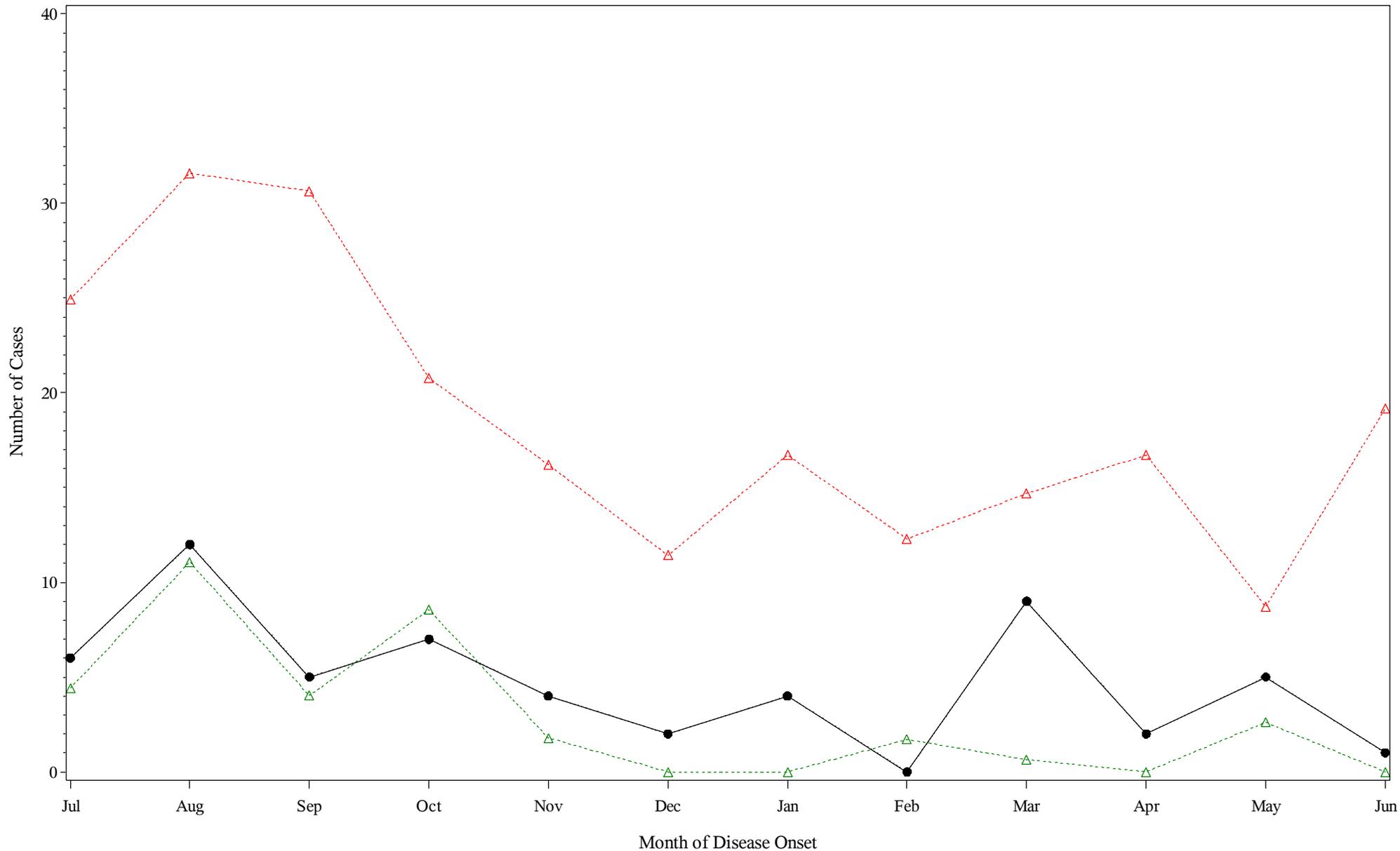
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central      Cryptosporidiosis



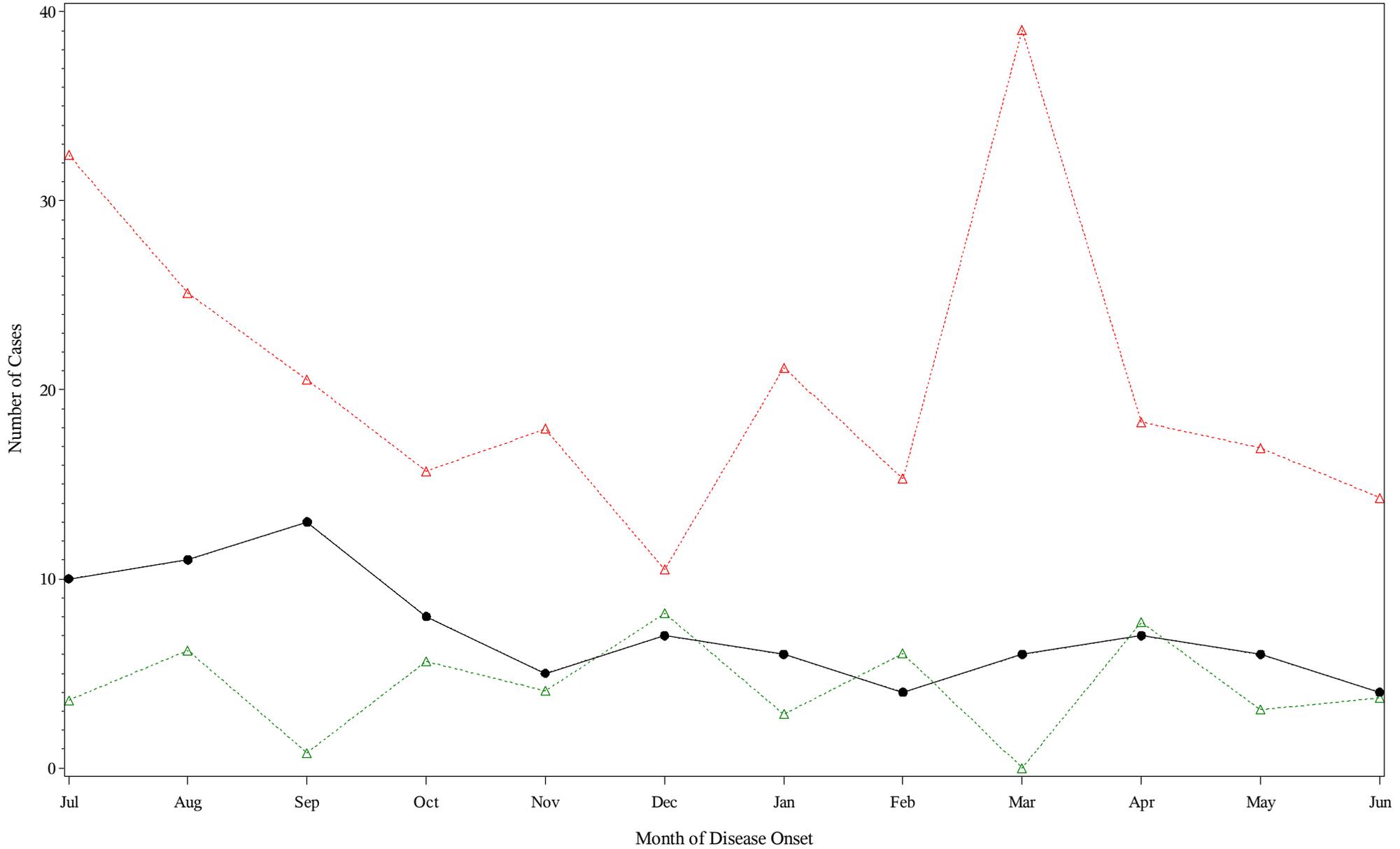
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central      Giardiasis



△ △ △ + 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases

△ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 without Outbreak Cases

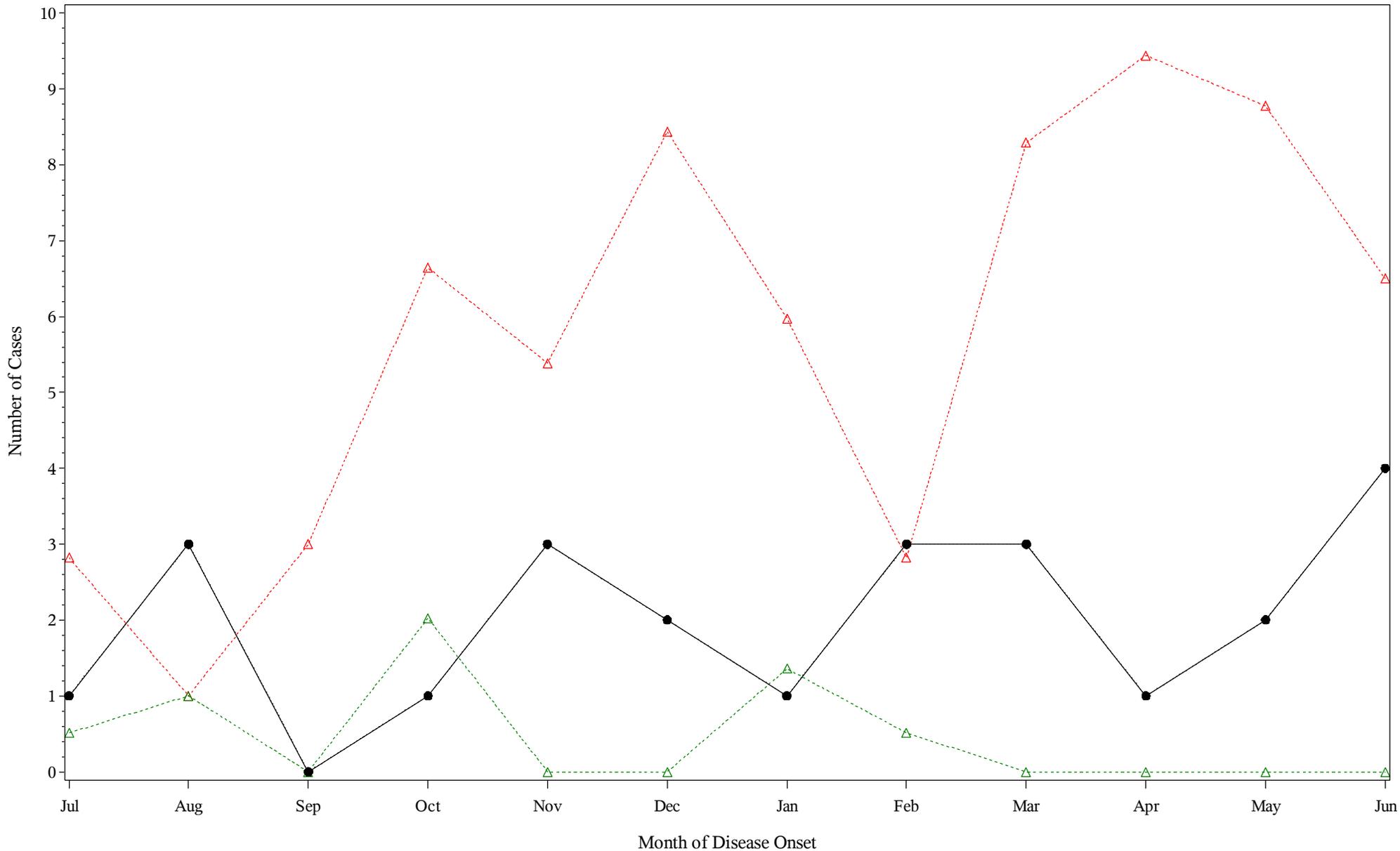
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Haemophilus influenzae, Invasive



△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

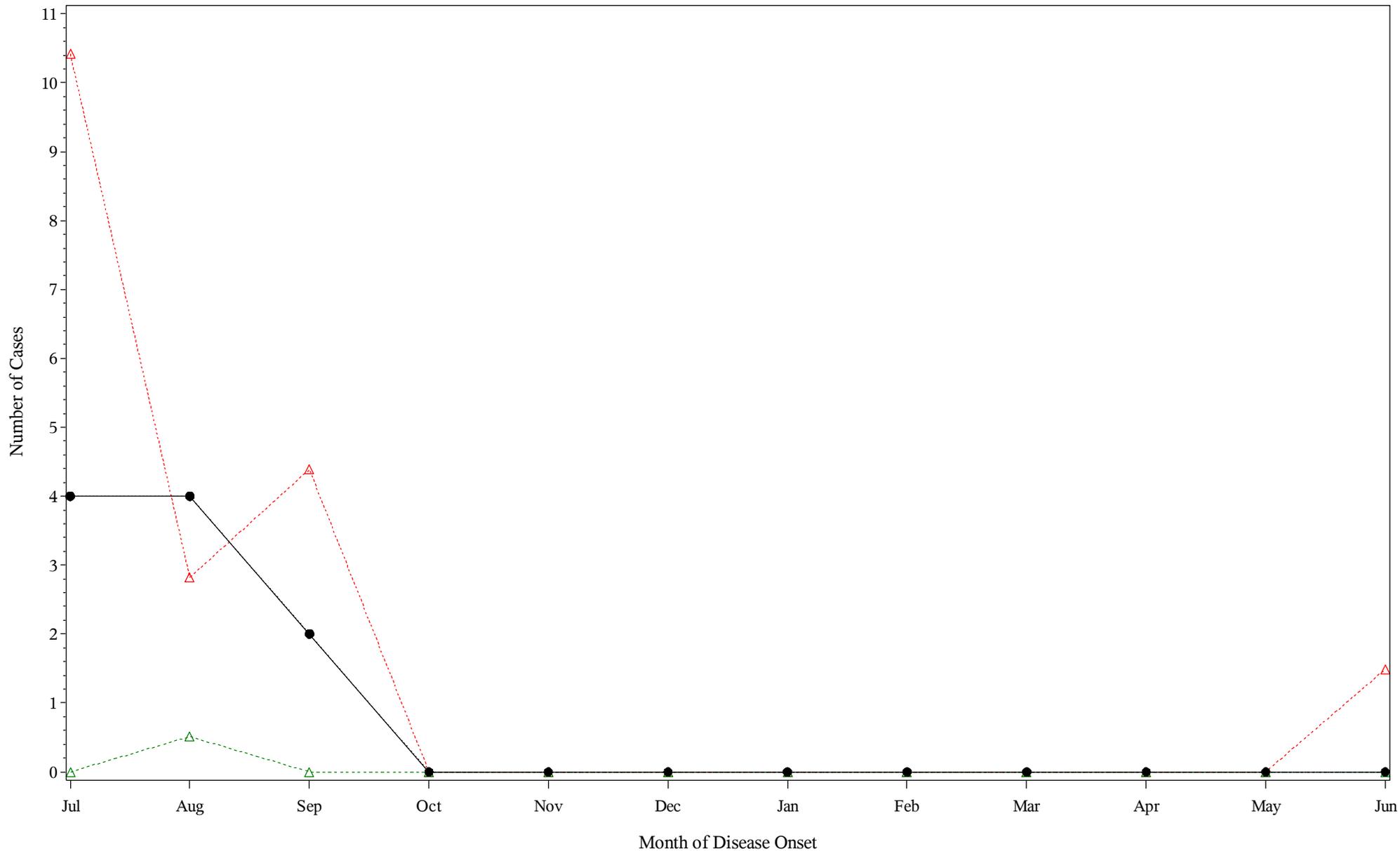
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central LaCrosse Virus Disease

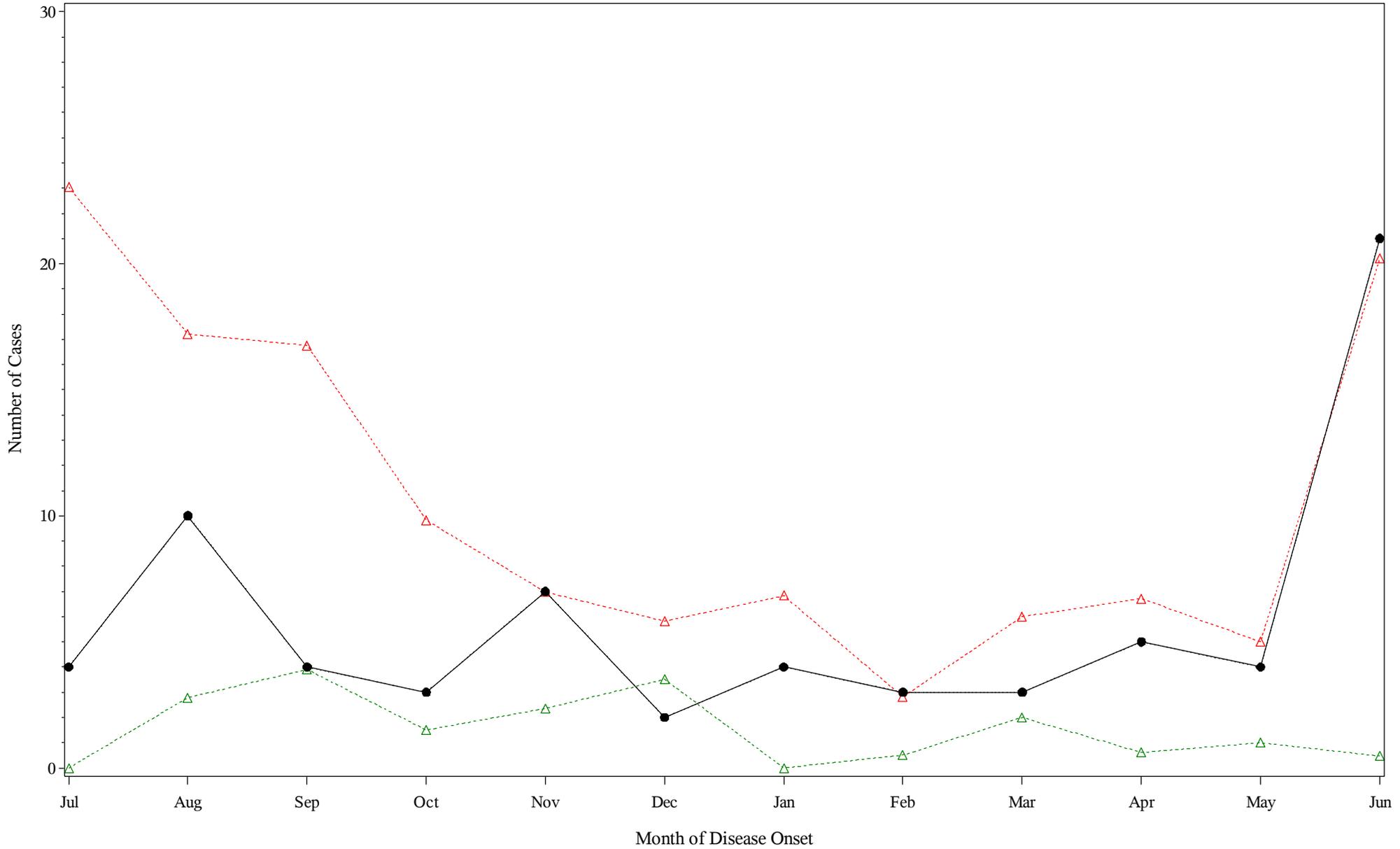


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015  
Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Legionellosis



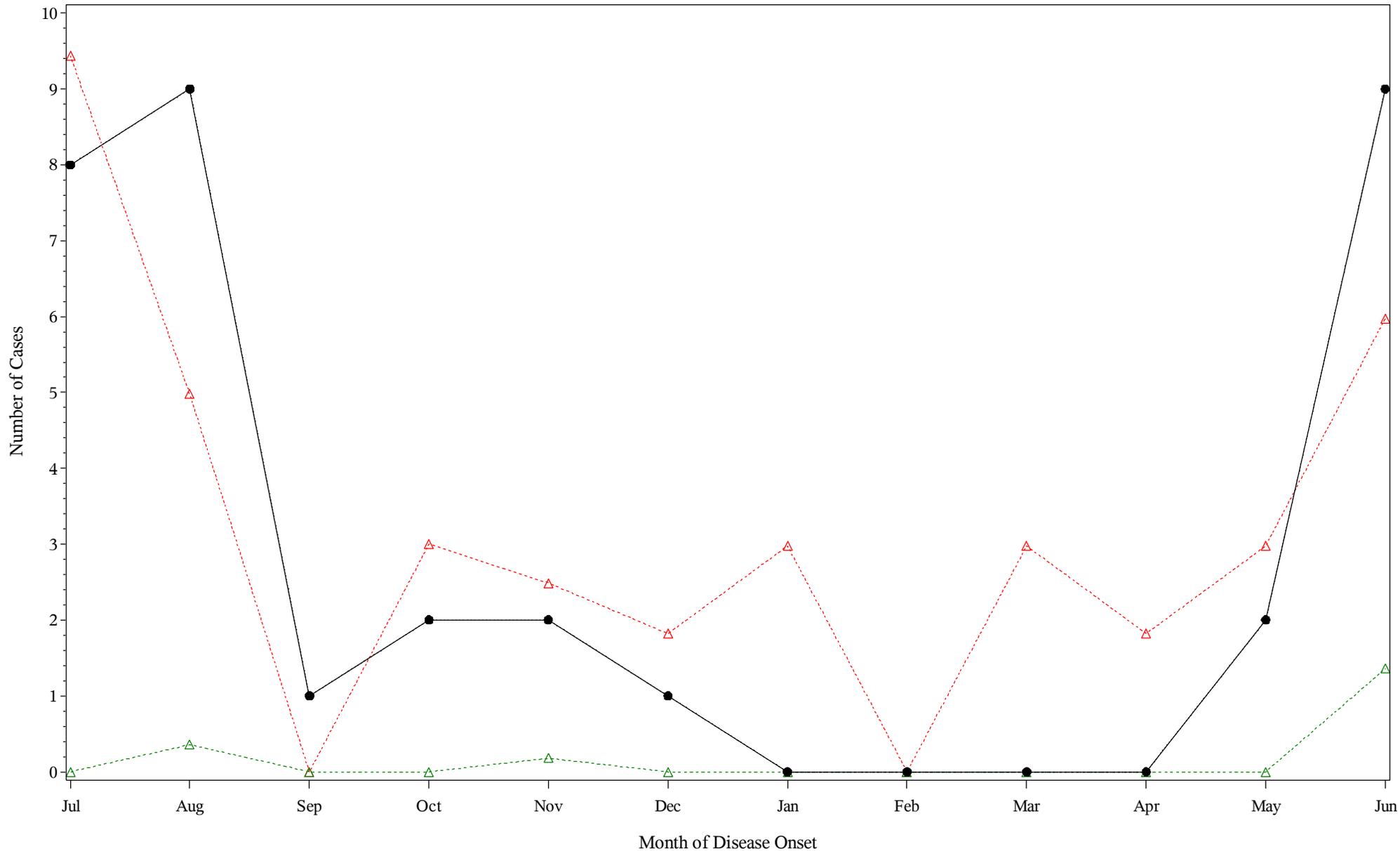
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Lyme Disease

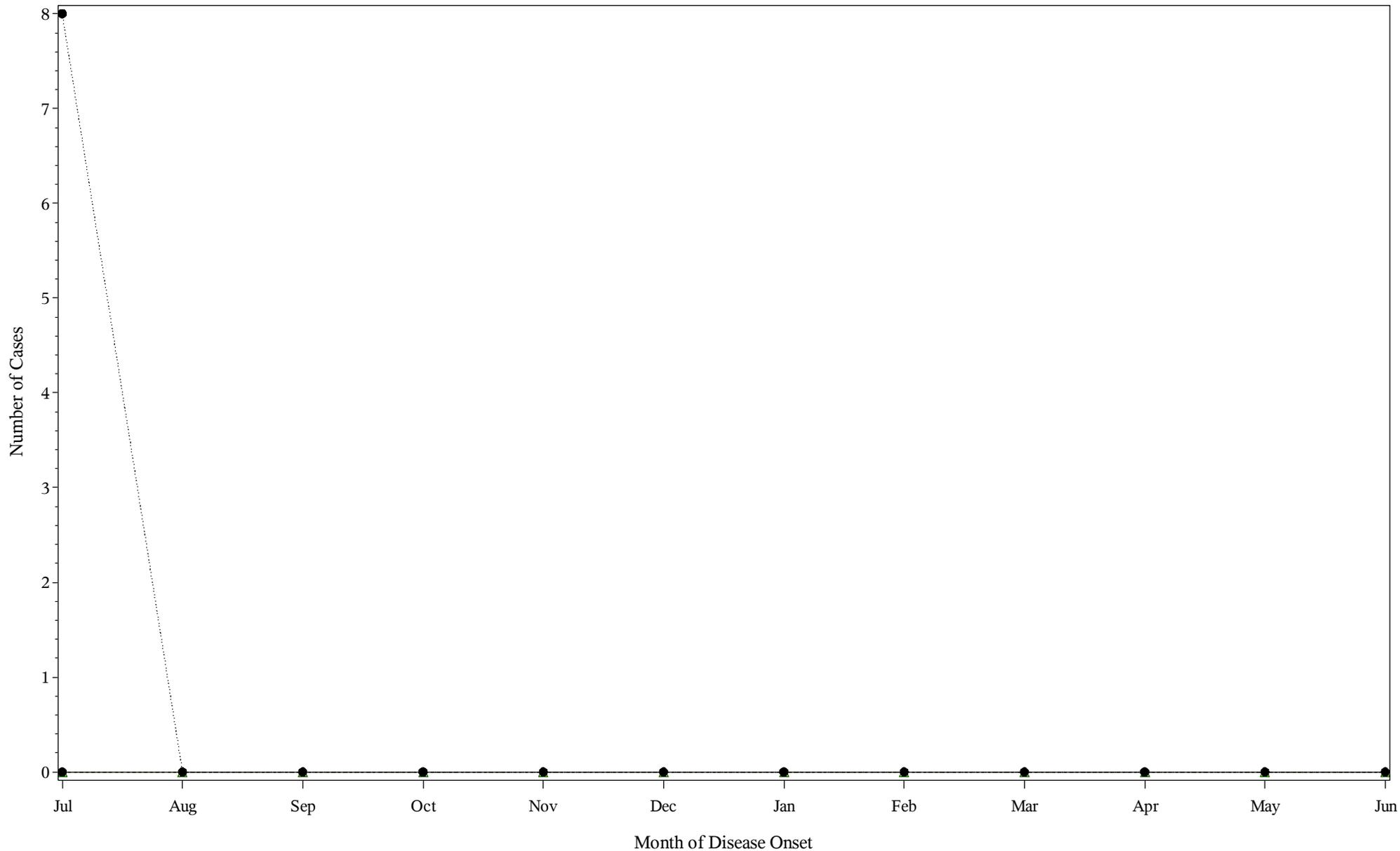


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015  
Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Measles

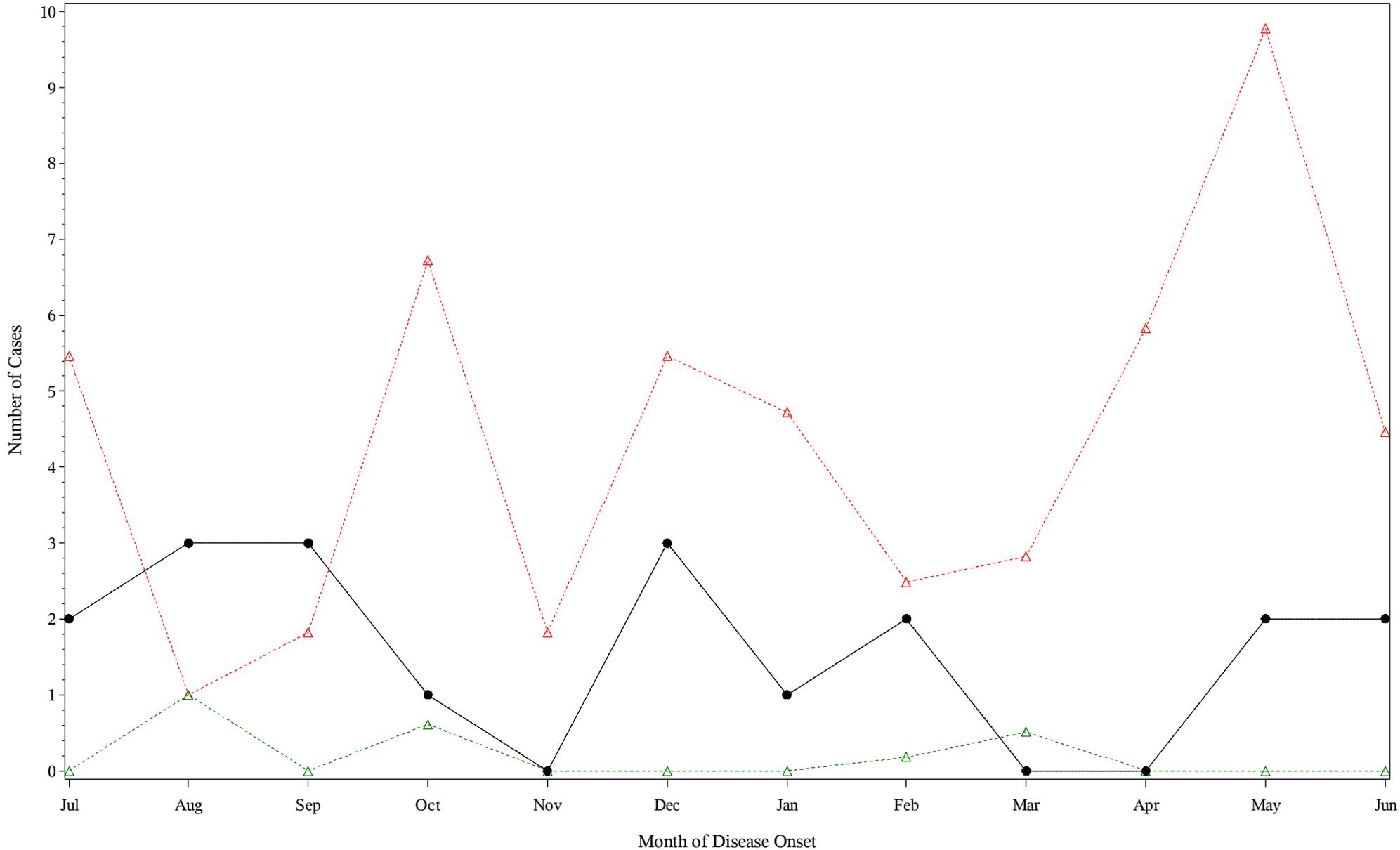


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015  
Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## East Central      Bacterial Meningitis

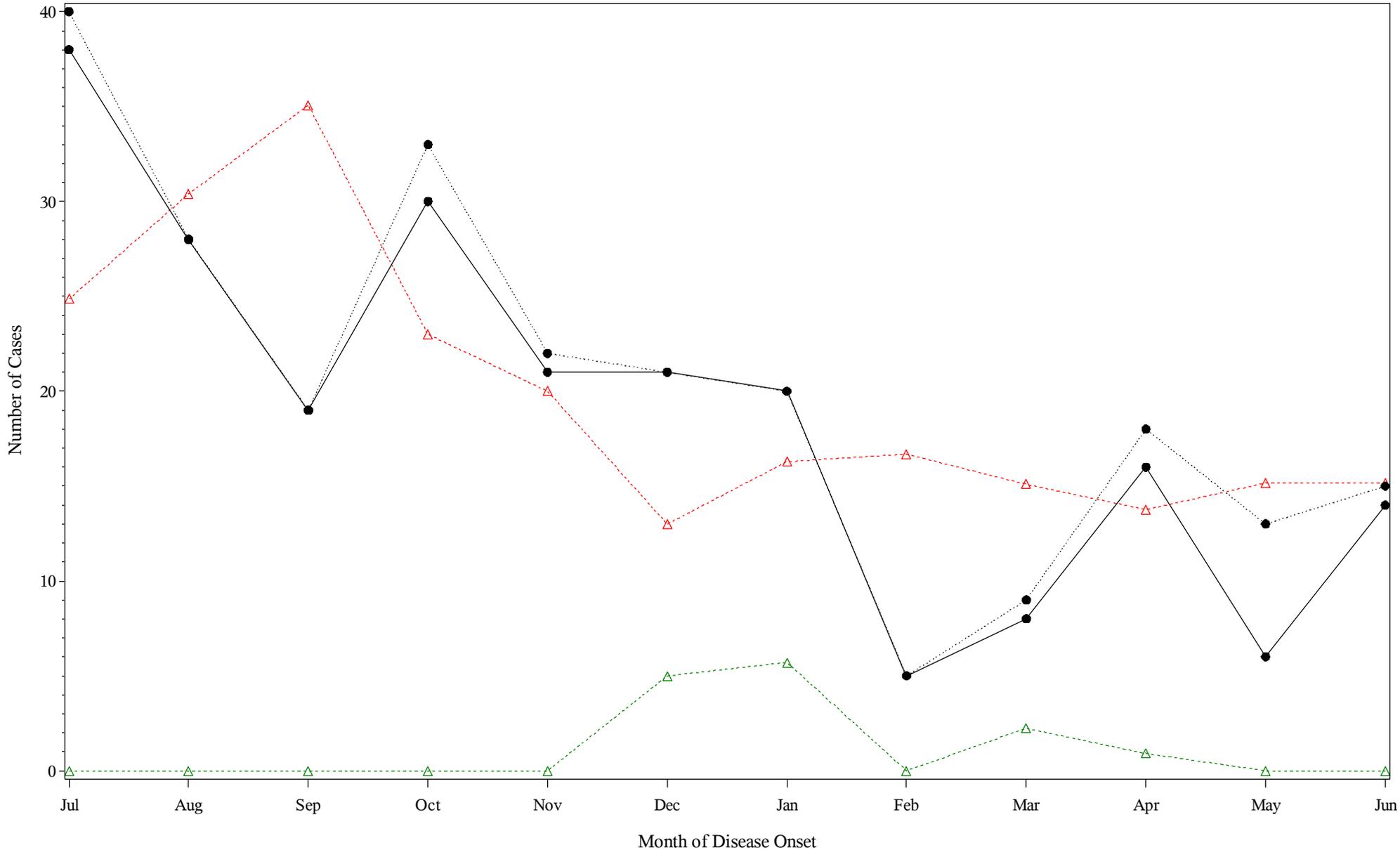


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Pertussis

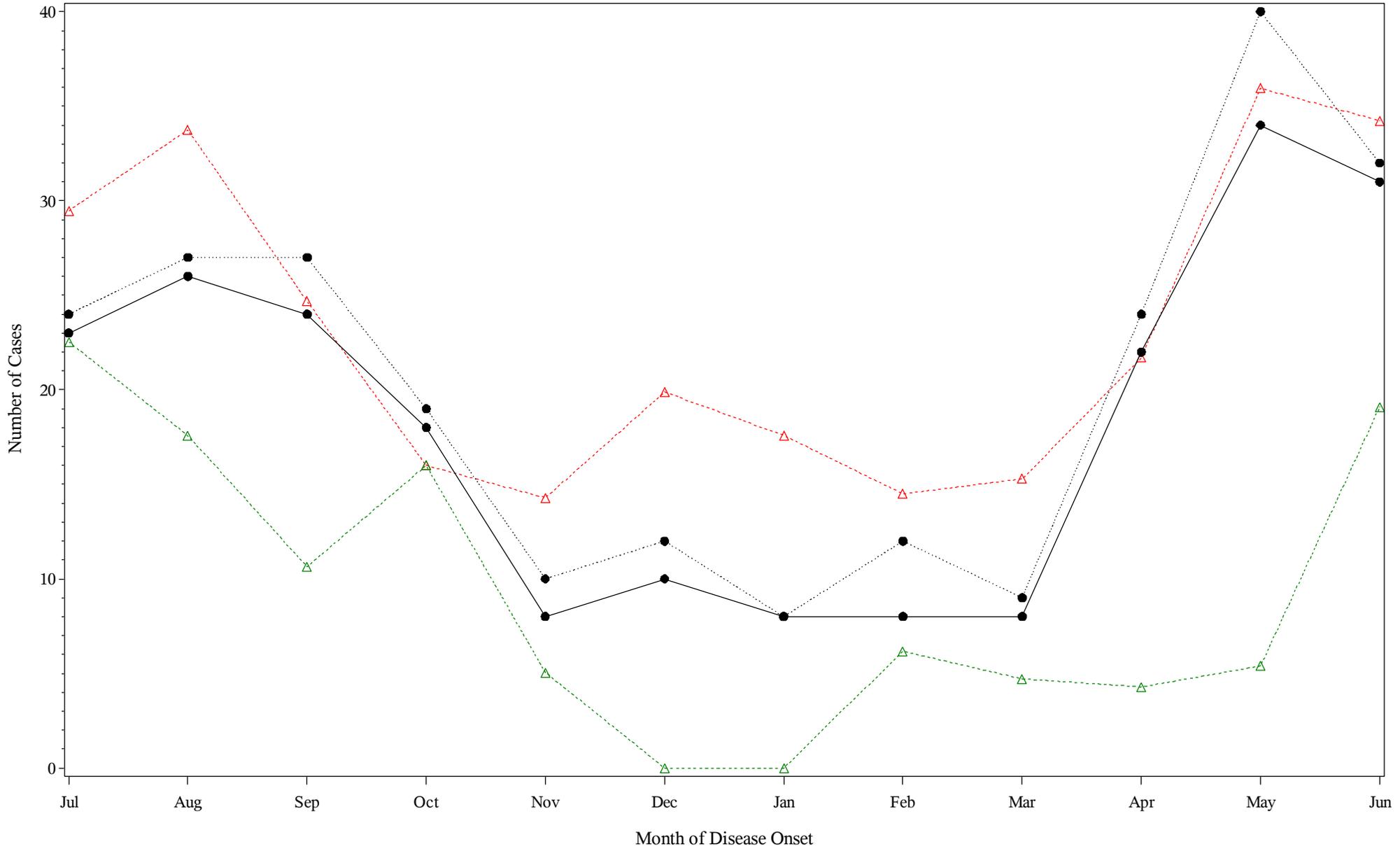


△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Salmonellosis



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

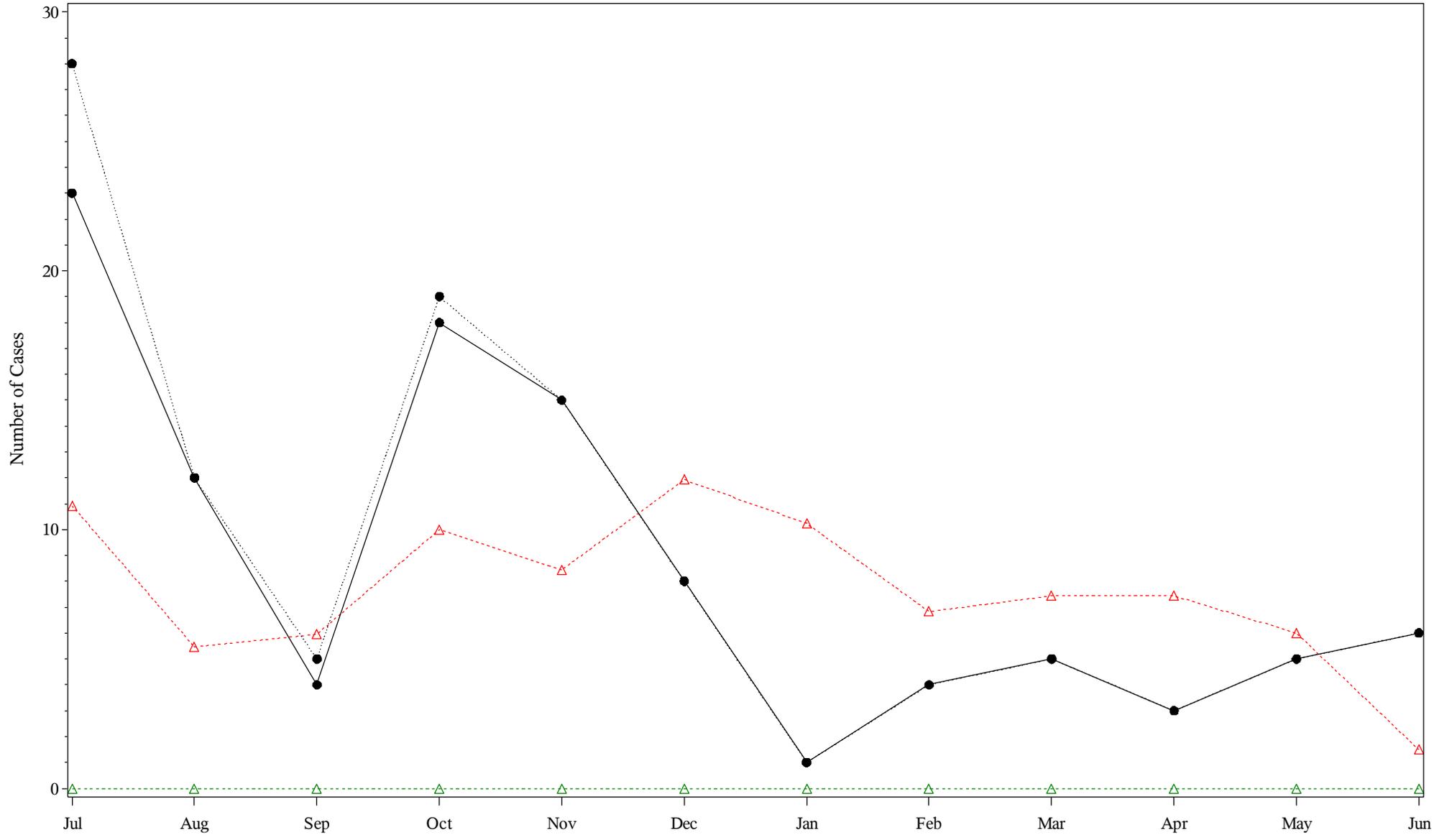
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## East Central      Shigellosis

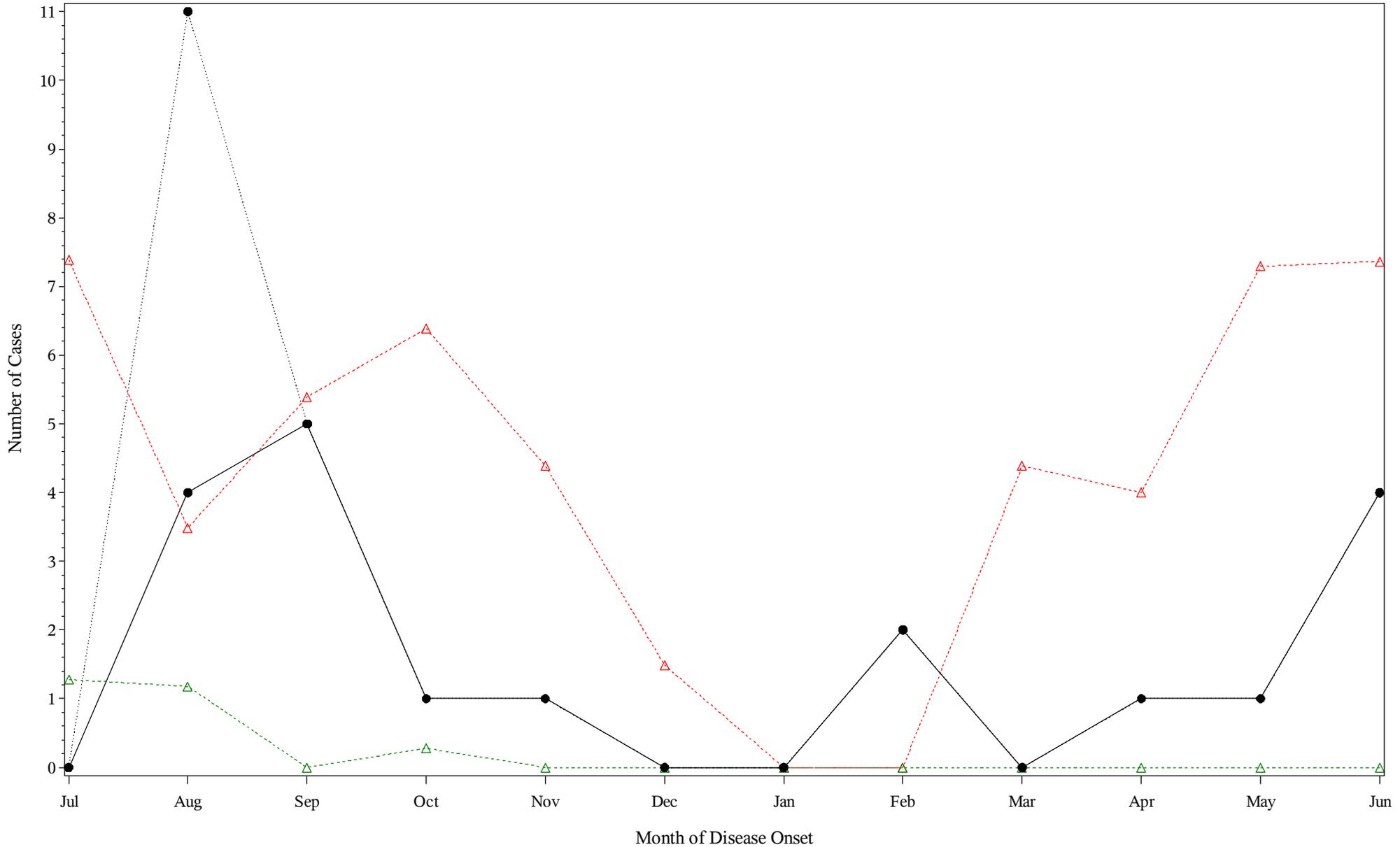


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central Shiga Toxin-Producing Escherichia coli



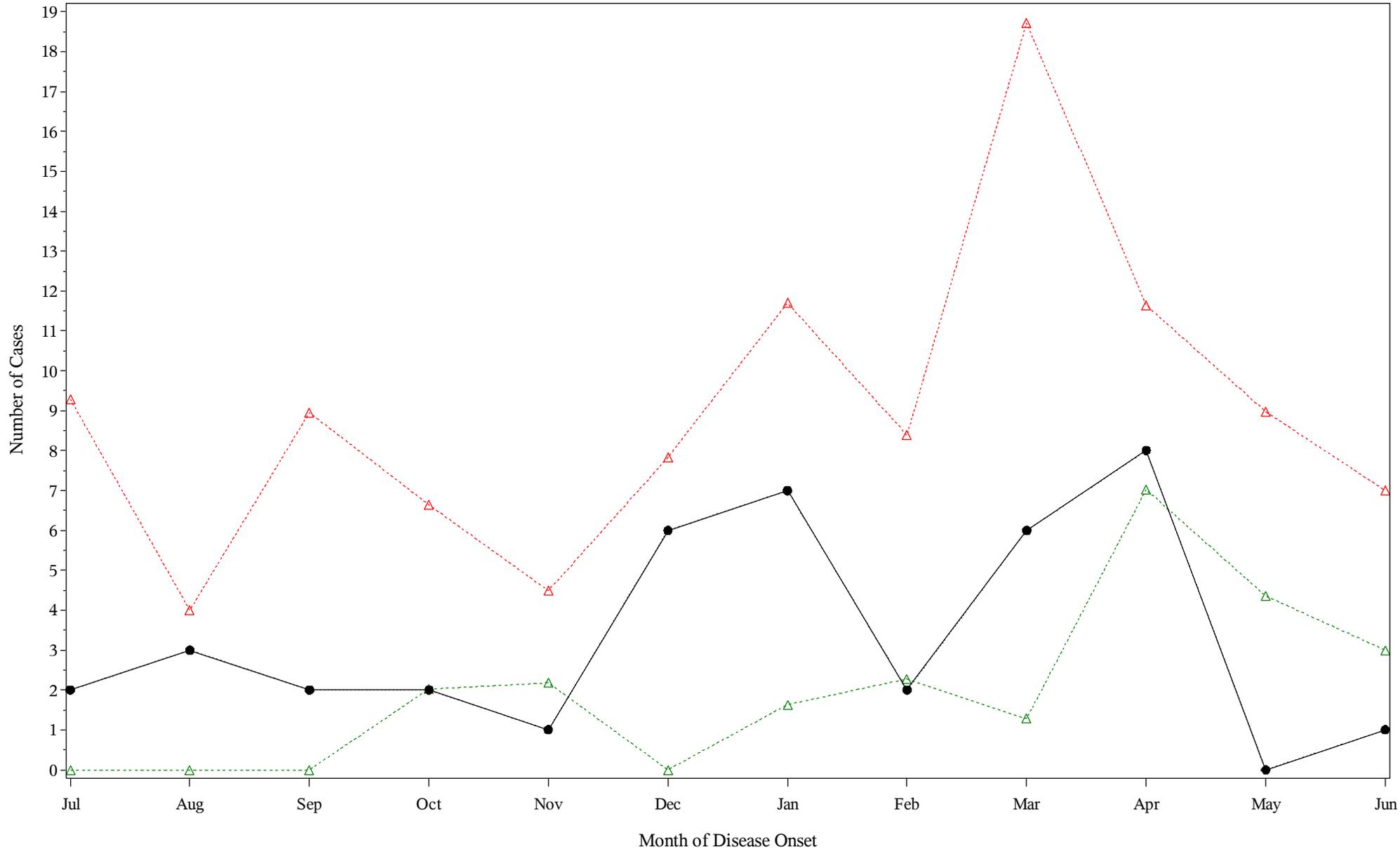
△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## East Central      Streptococcal Disease, Group A, Invasive

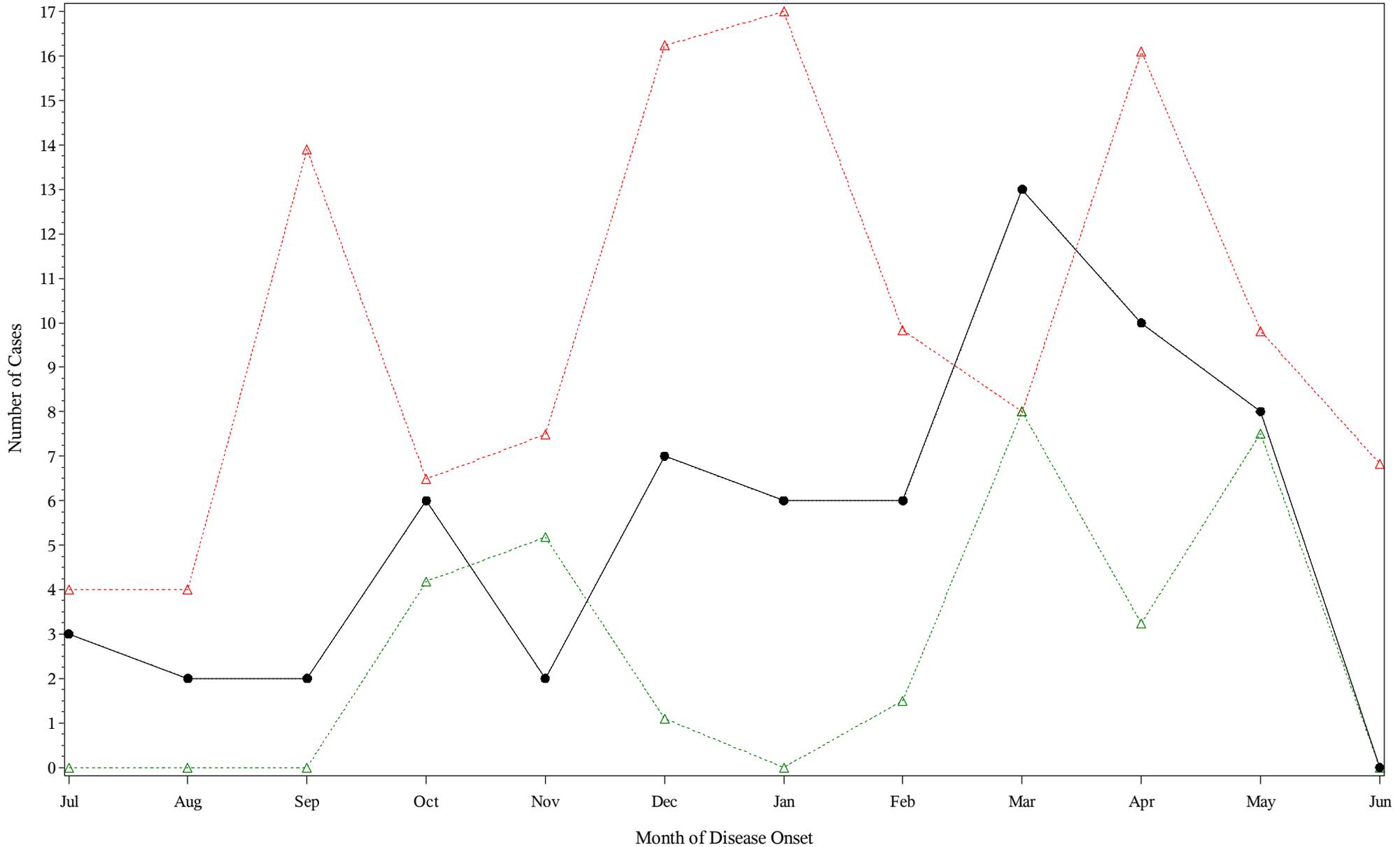


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

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



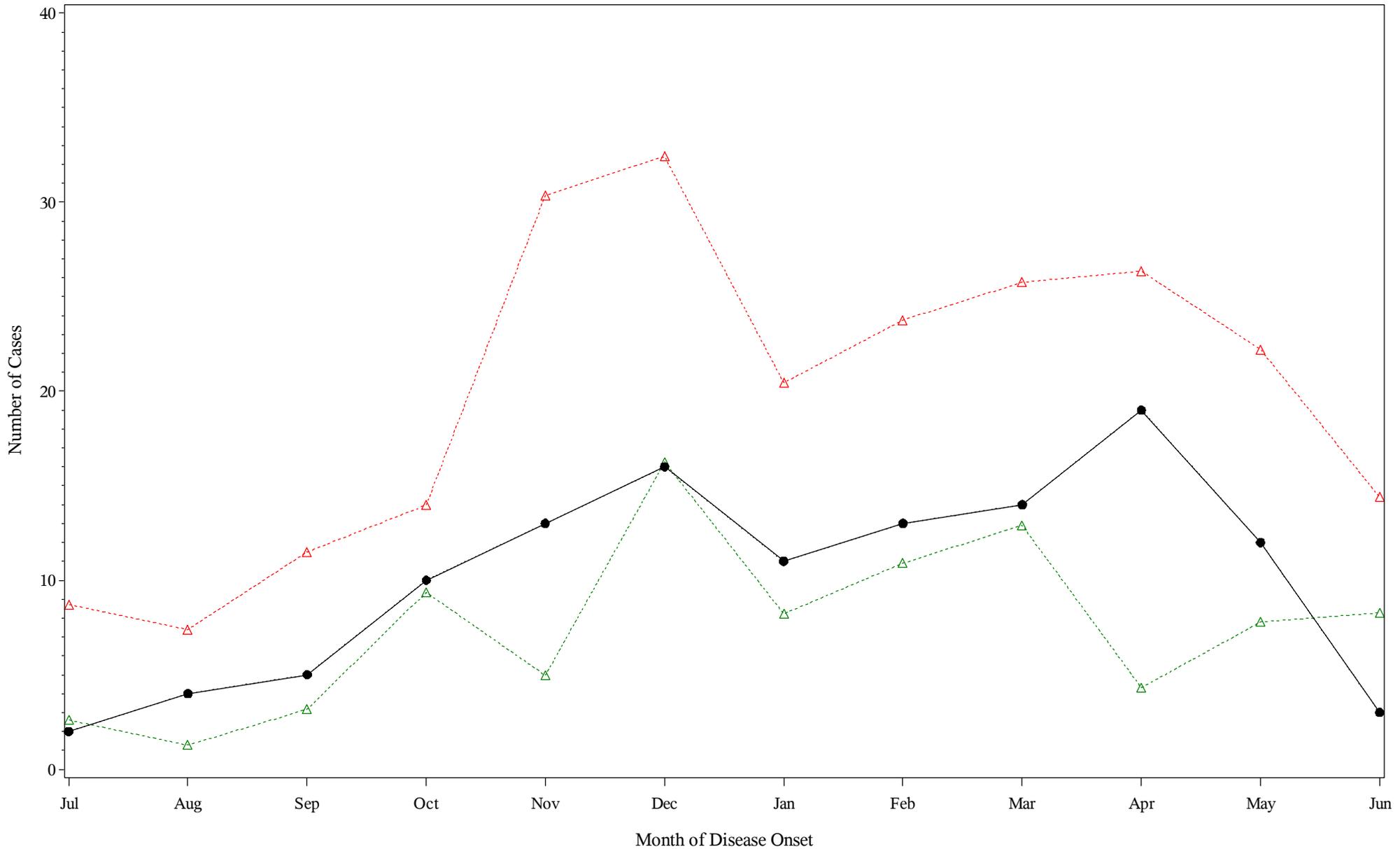
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

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



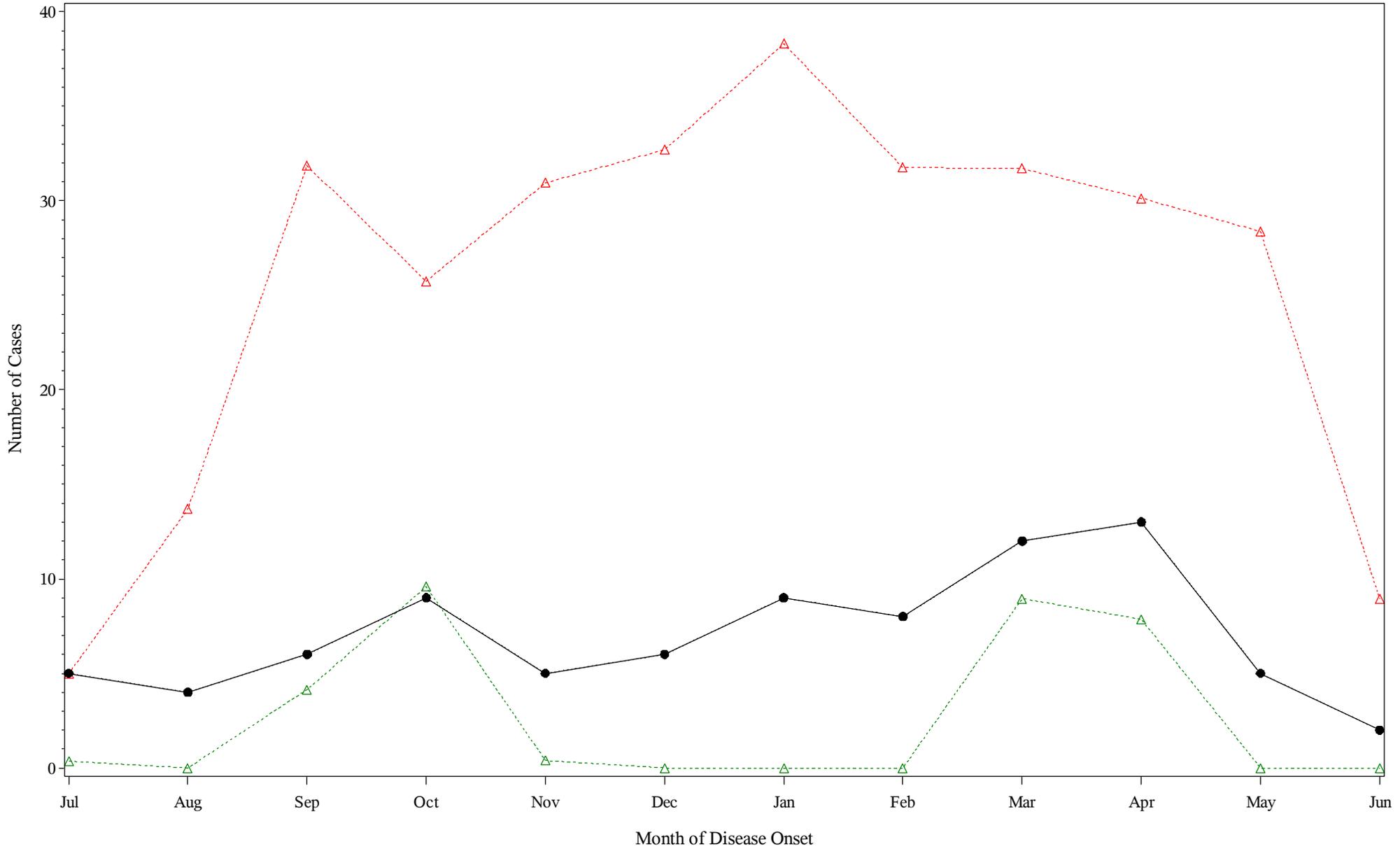
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

East Central      Varicella



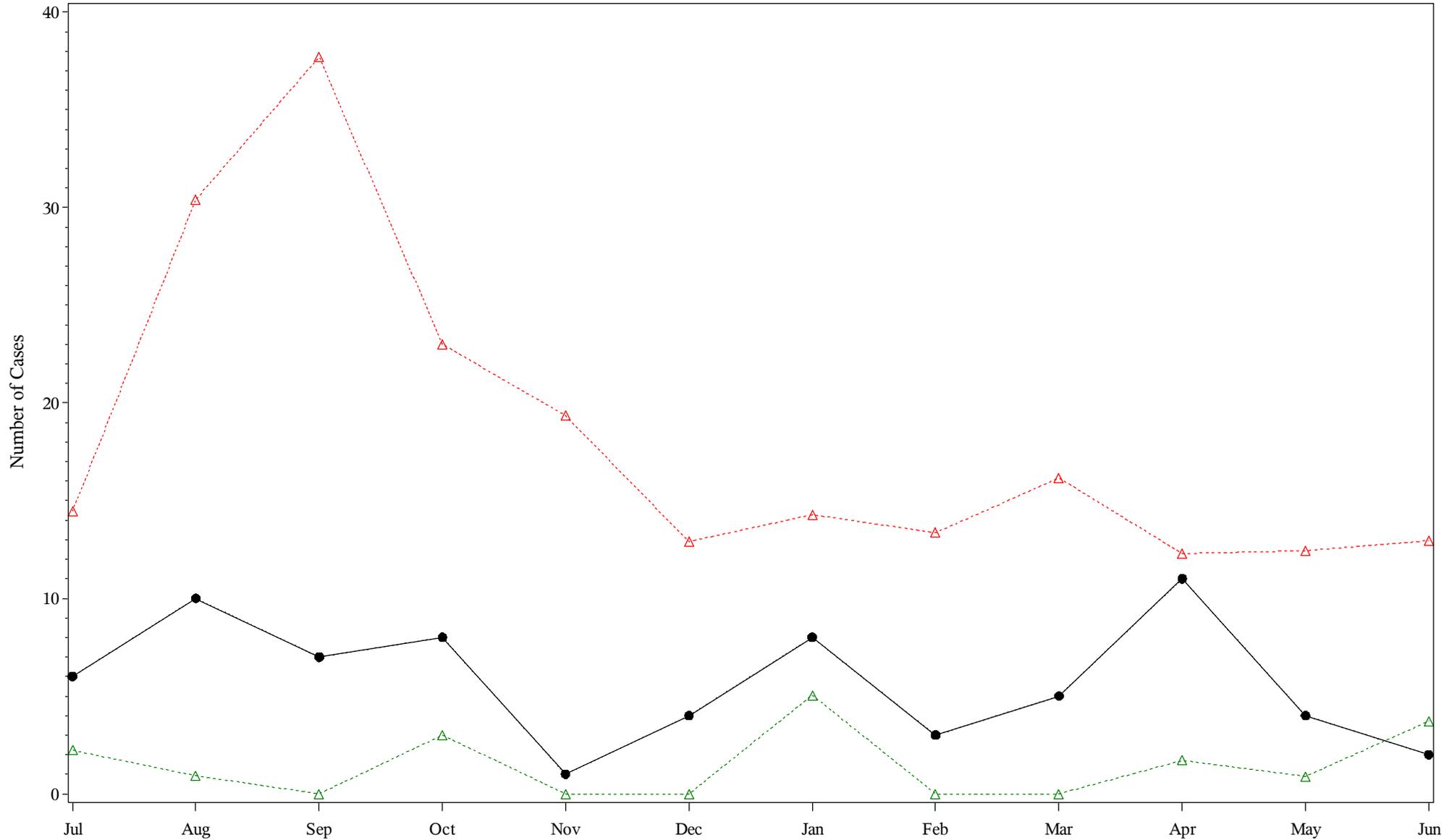
△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Aseptic Meningitis

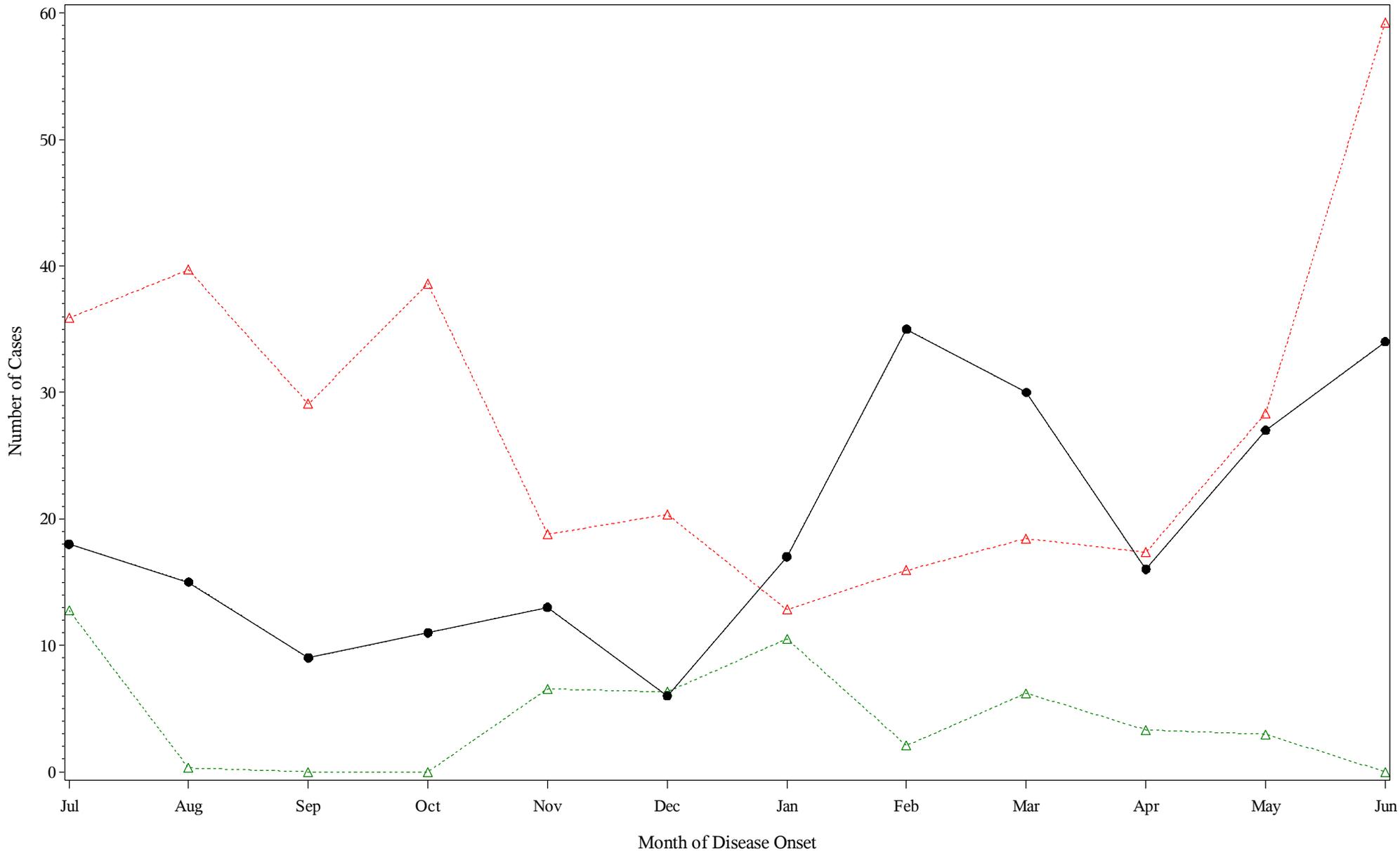


△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast      Campylobacteriosis



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

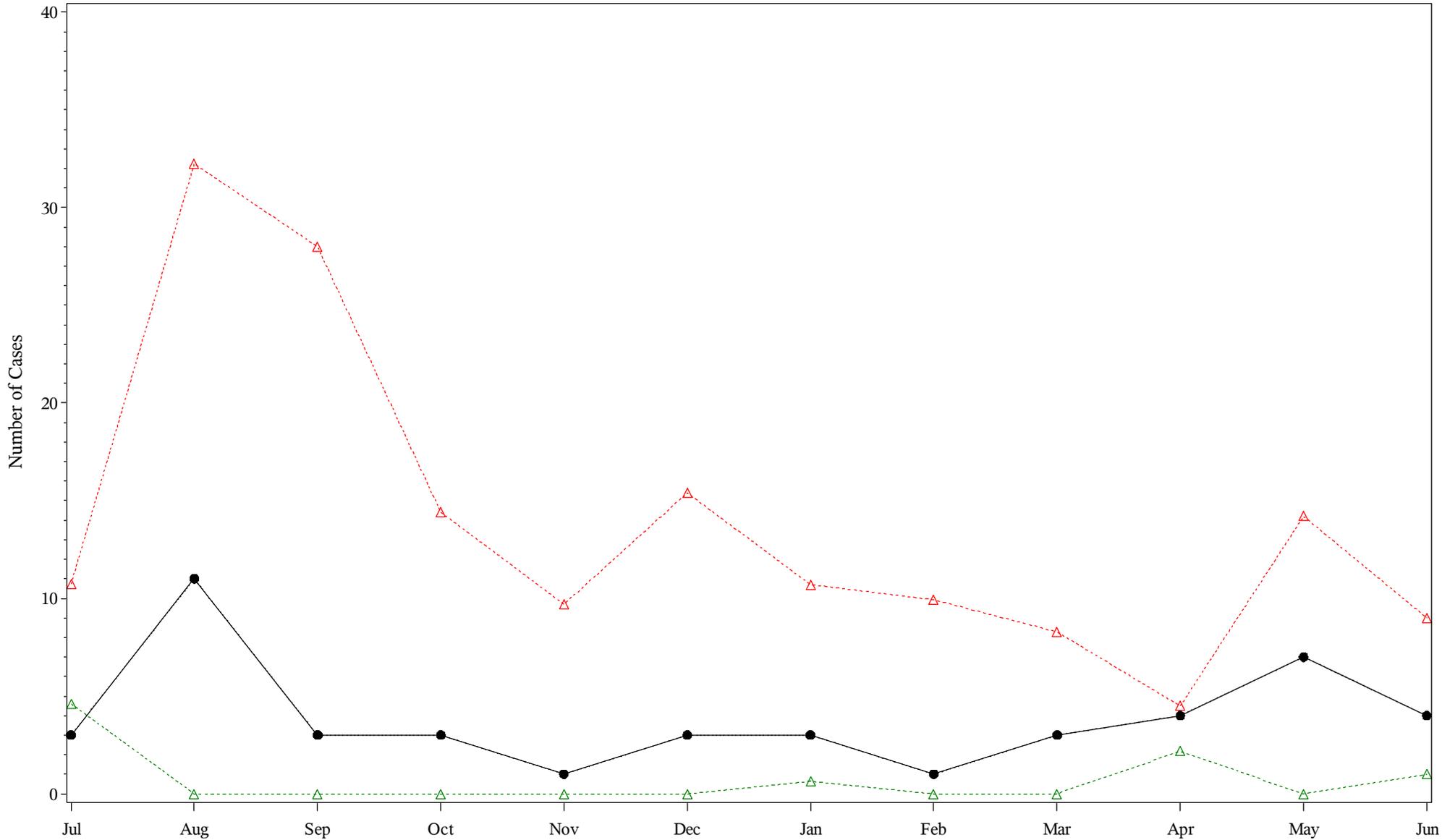
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Cryptosporidiosis

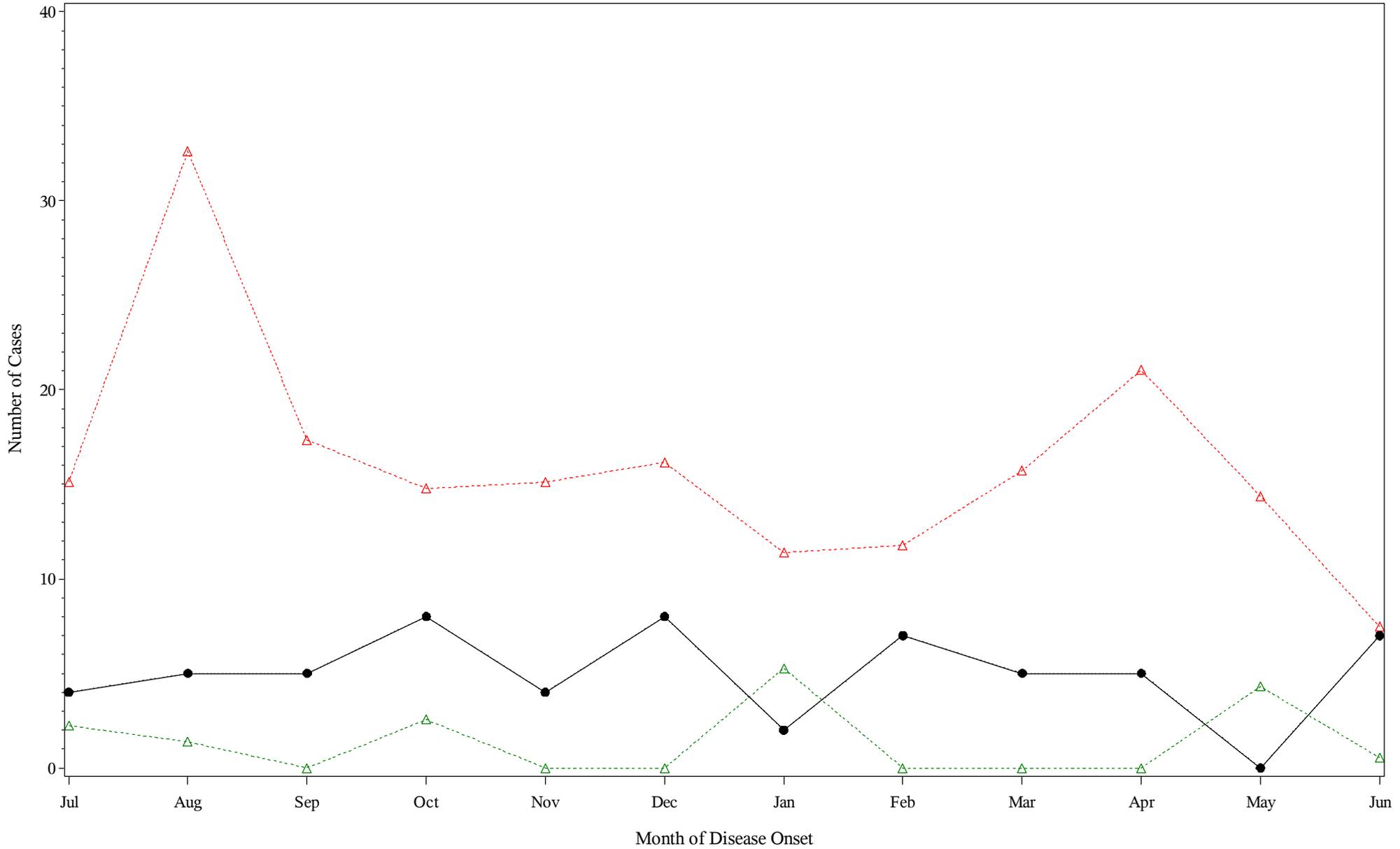


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015  
Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast      Giardiasis



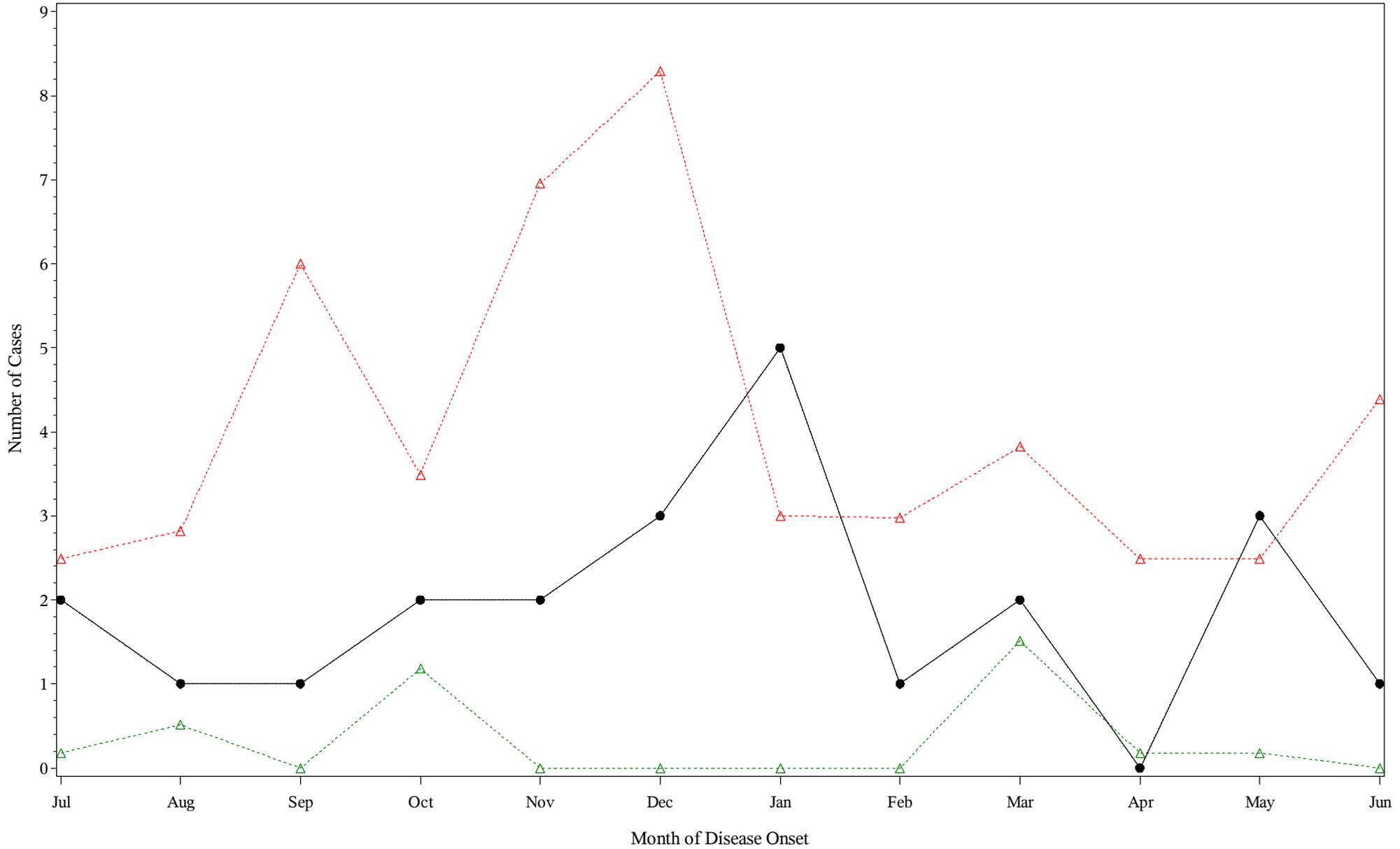
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Haemophilus influenzae, Invasive



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

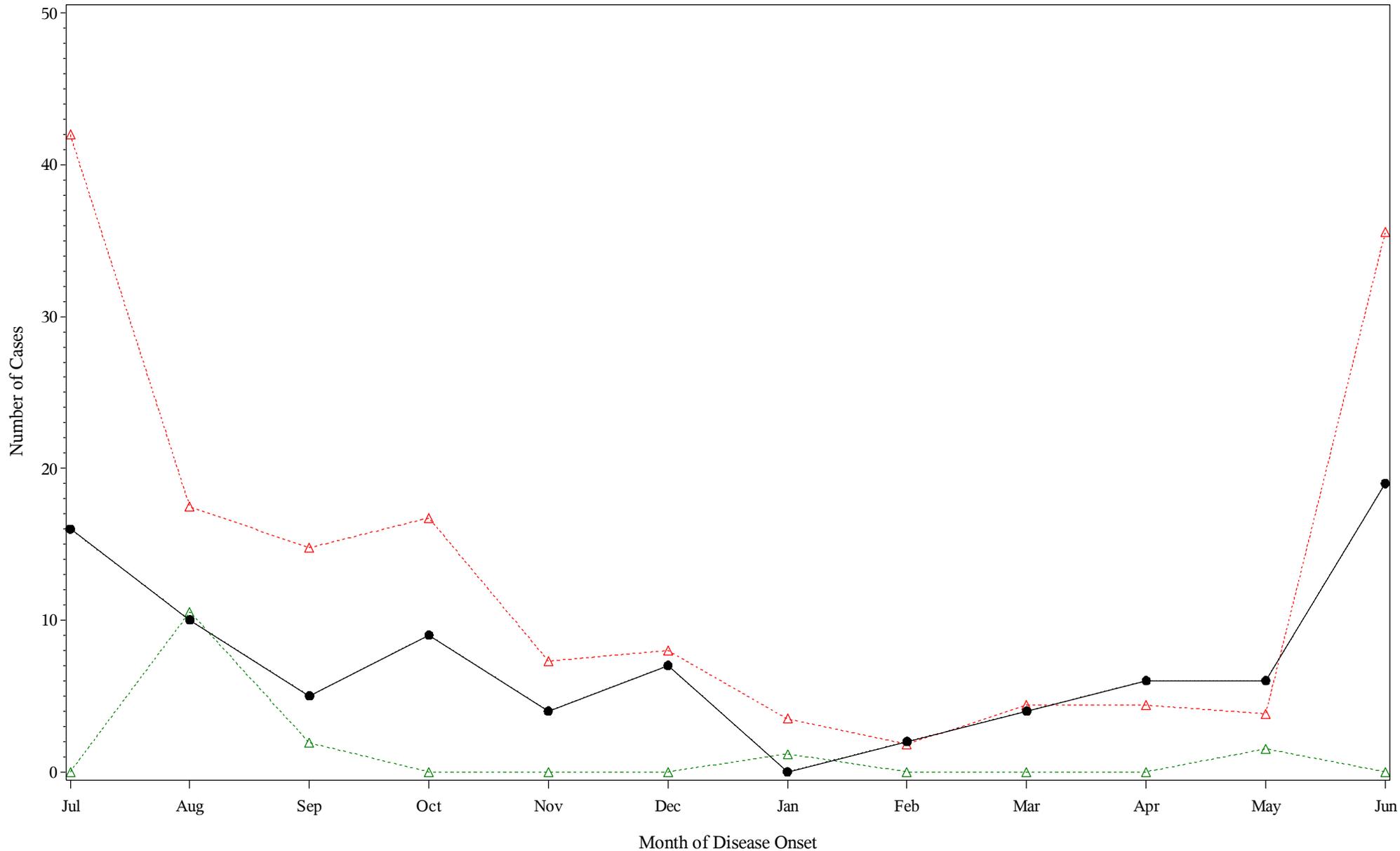
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Legionellosis

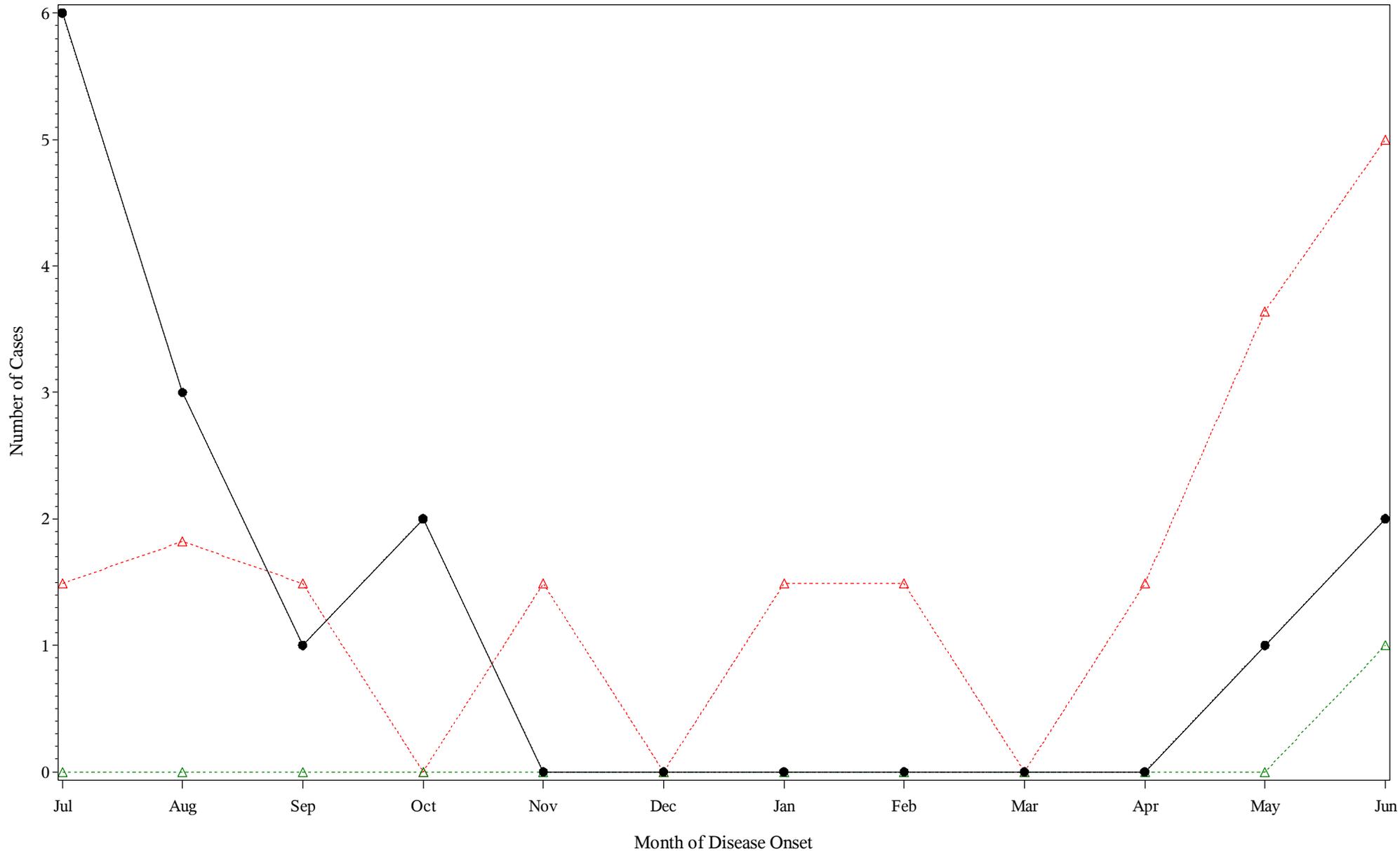


△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Lyme Disease

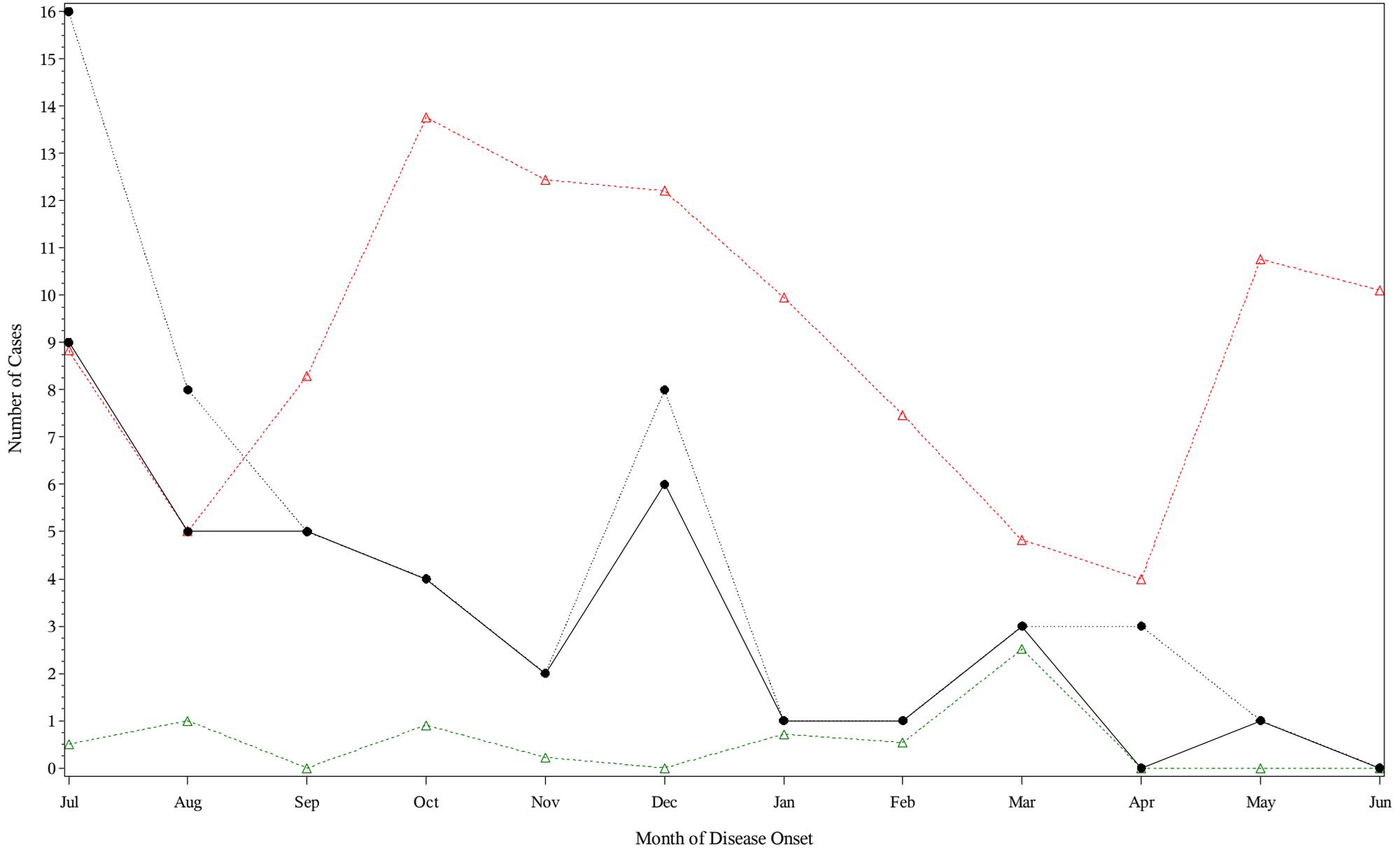


△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Northeast      Pertussis



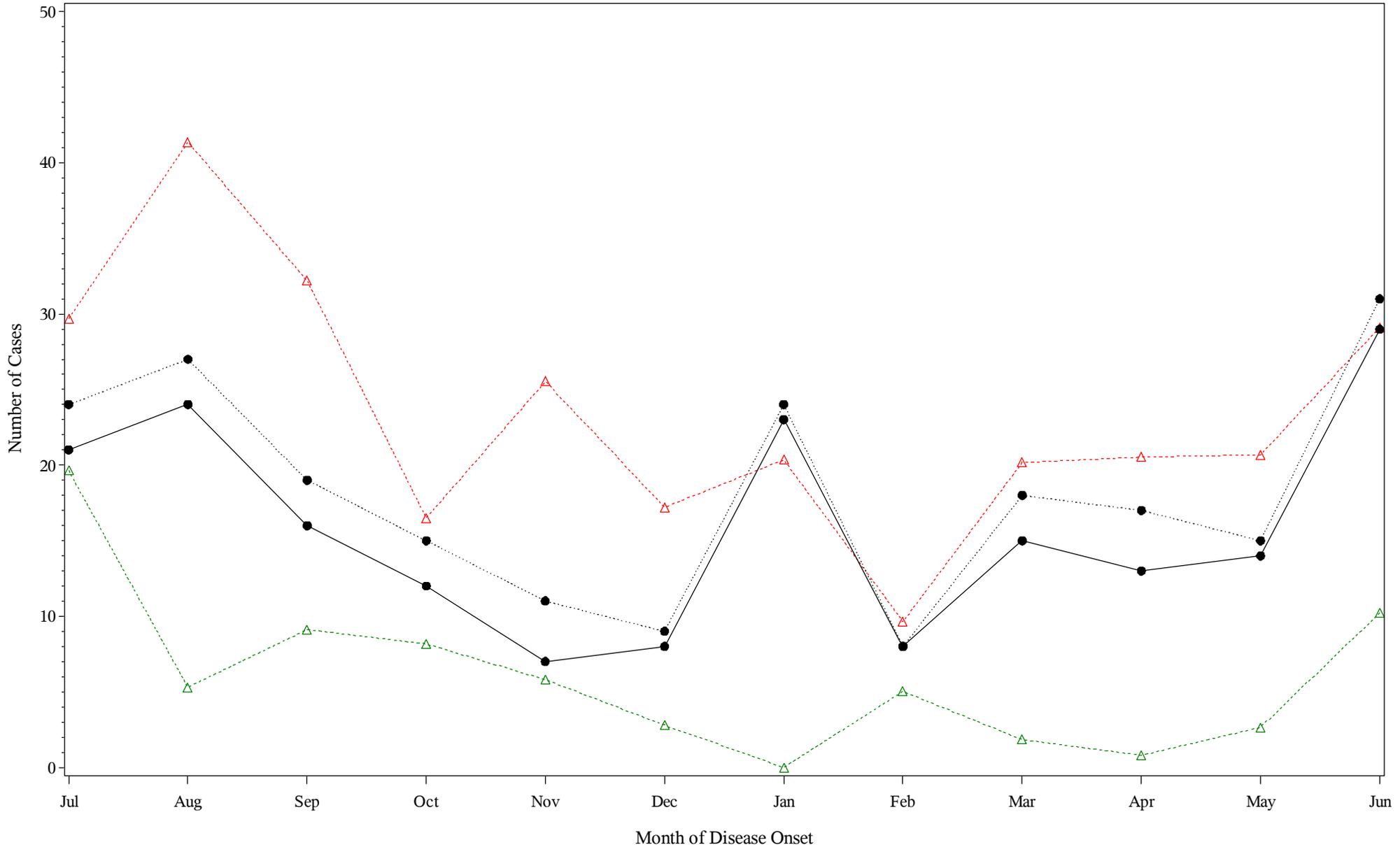
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Salmonellosis



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

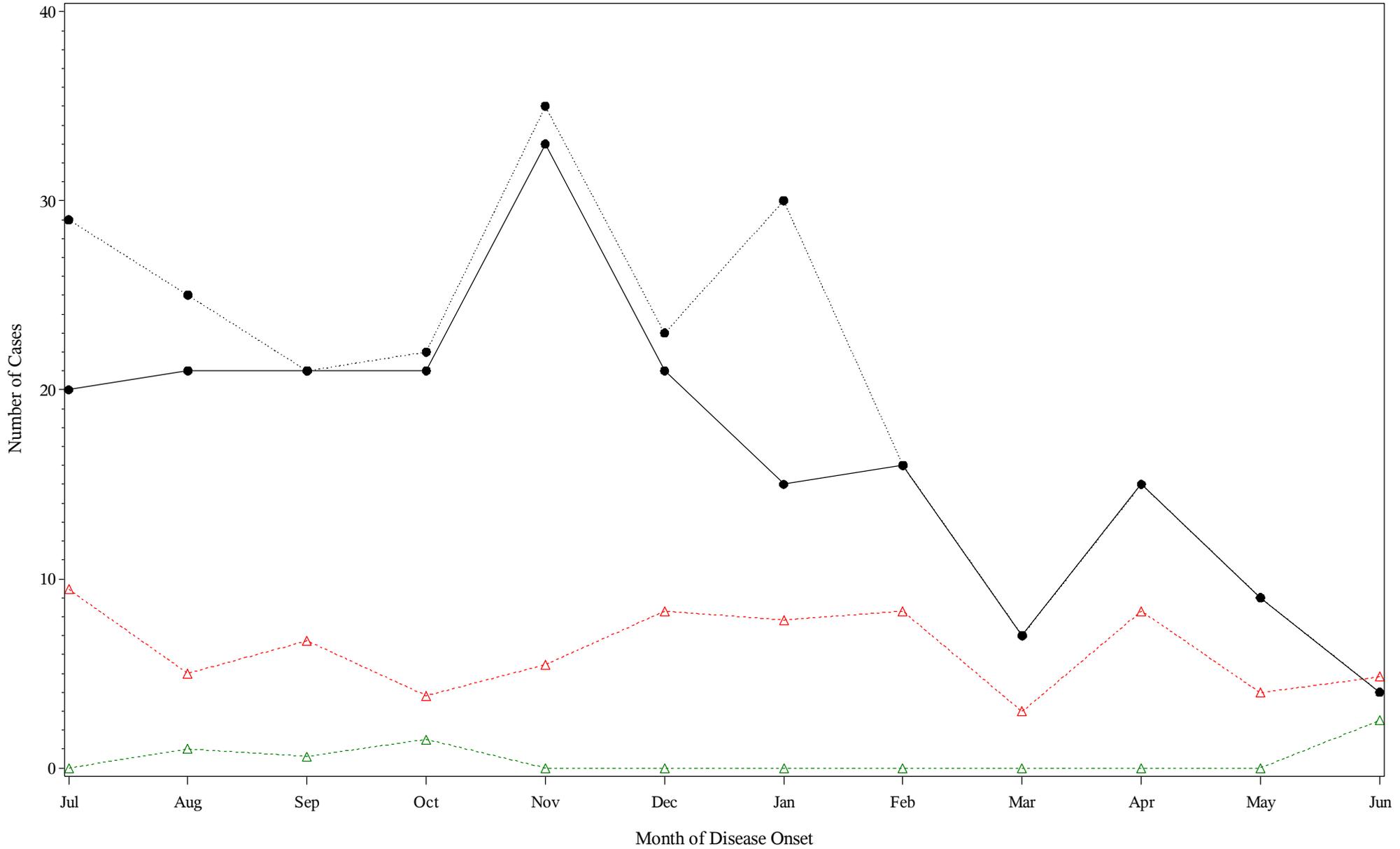
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Shigellosis



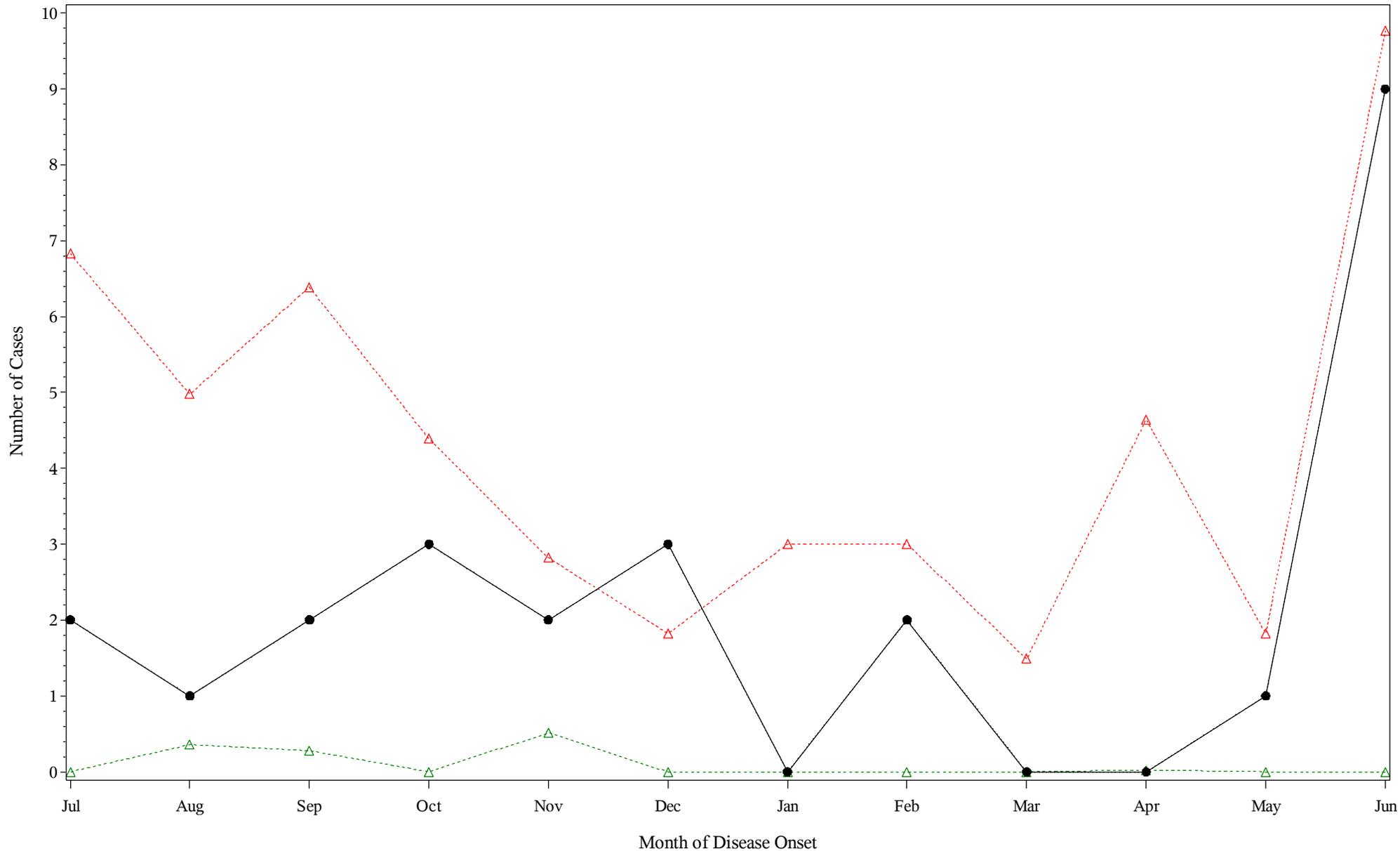
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Shiga Toxin-Producing Escherichia coli



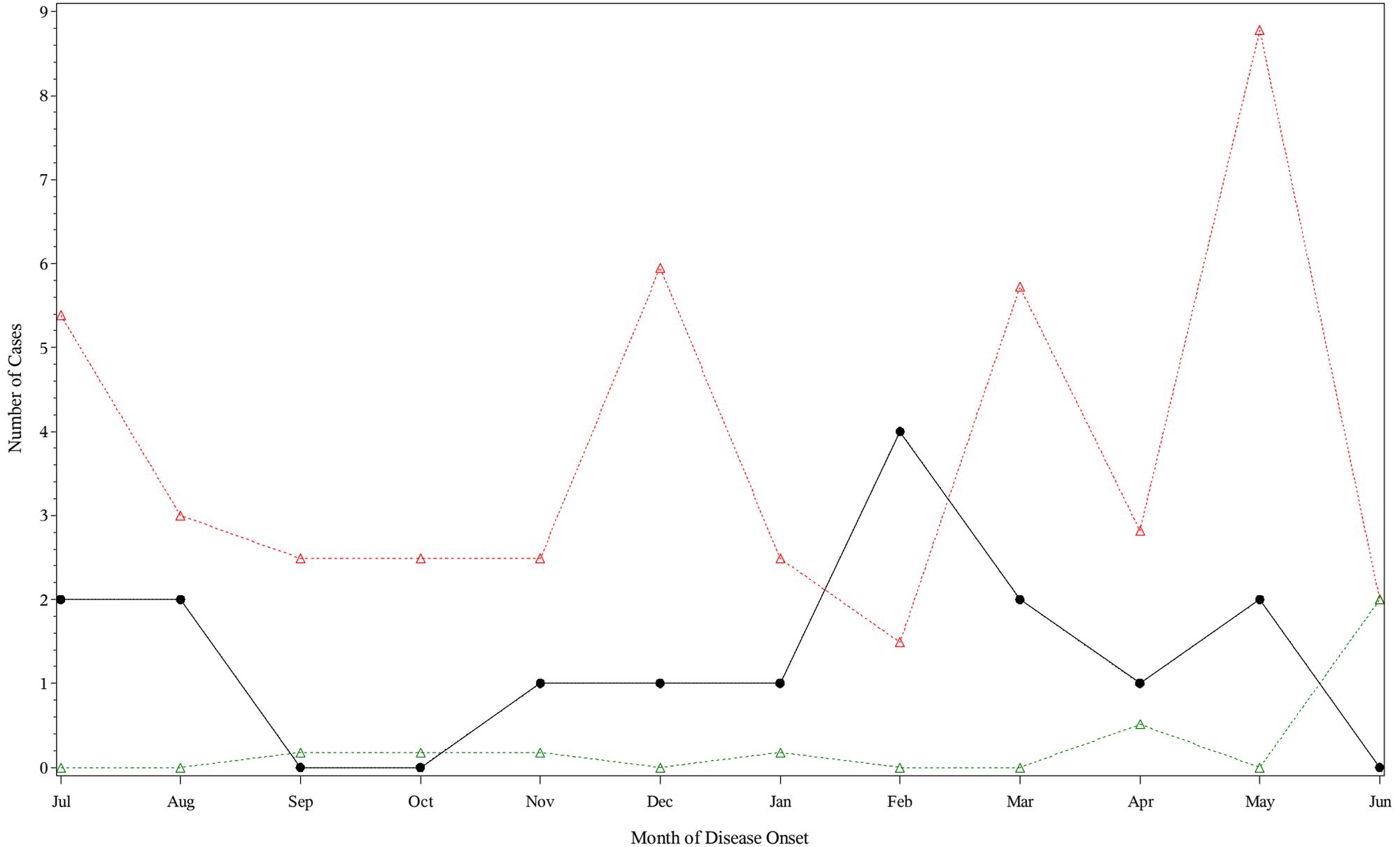
△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Streptococcal Disease, Group B, in Newborn



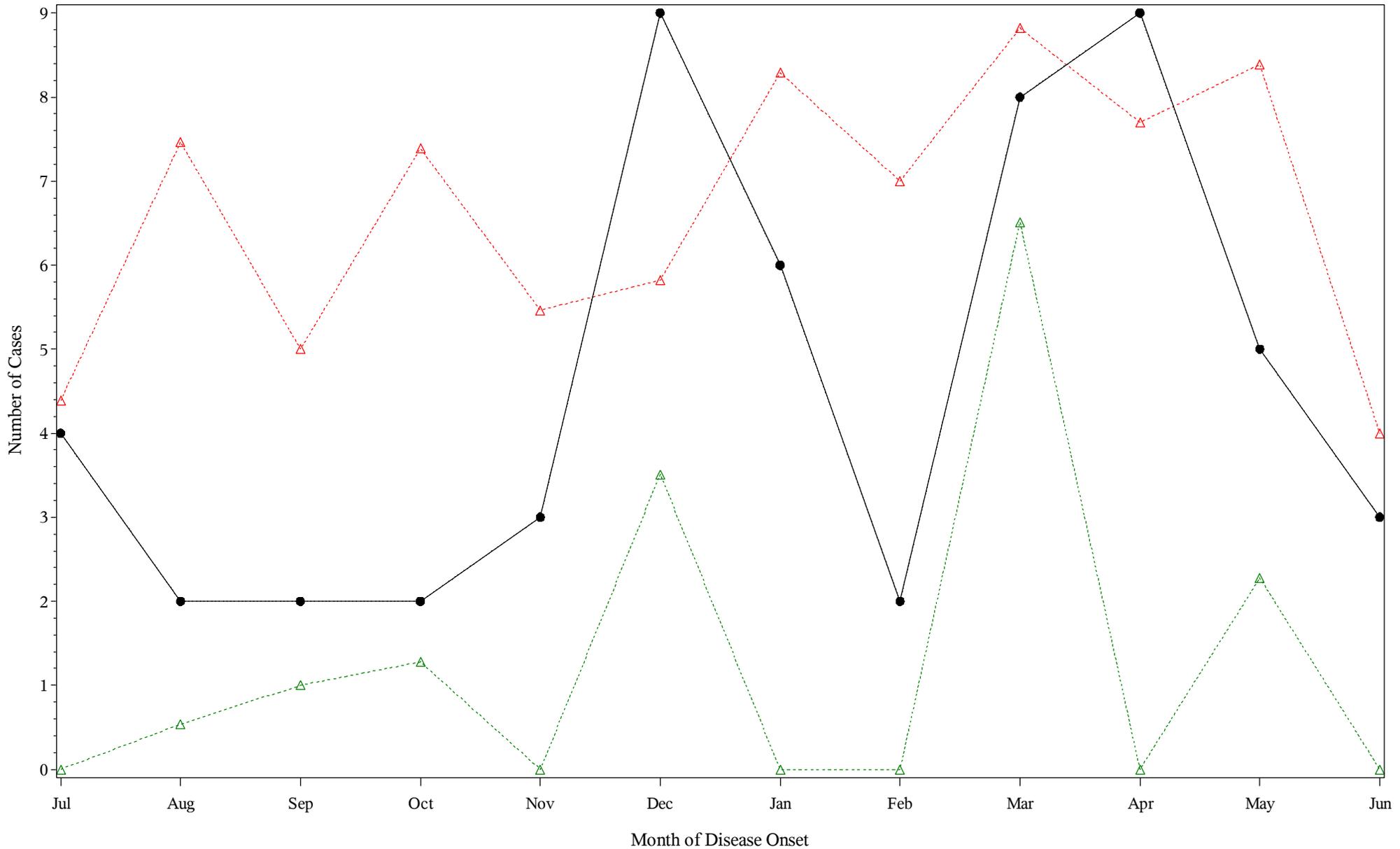
△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast Streptococcal Disease, Group A, Invasive



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

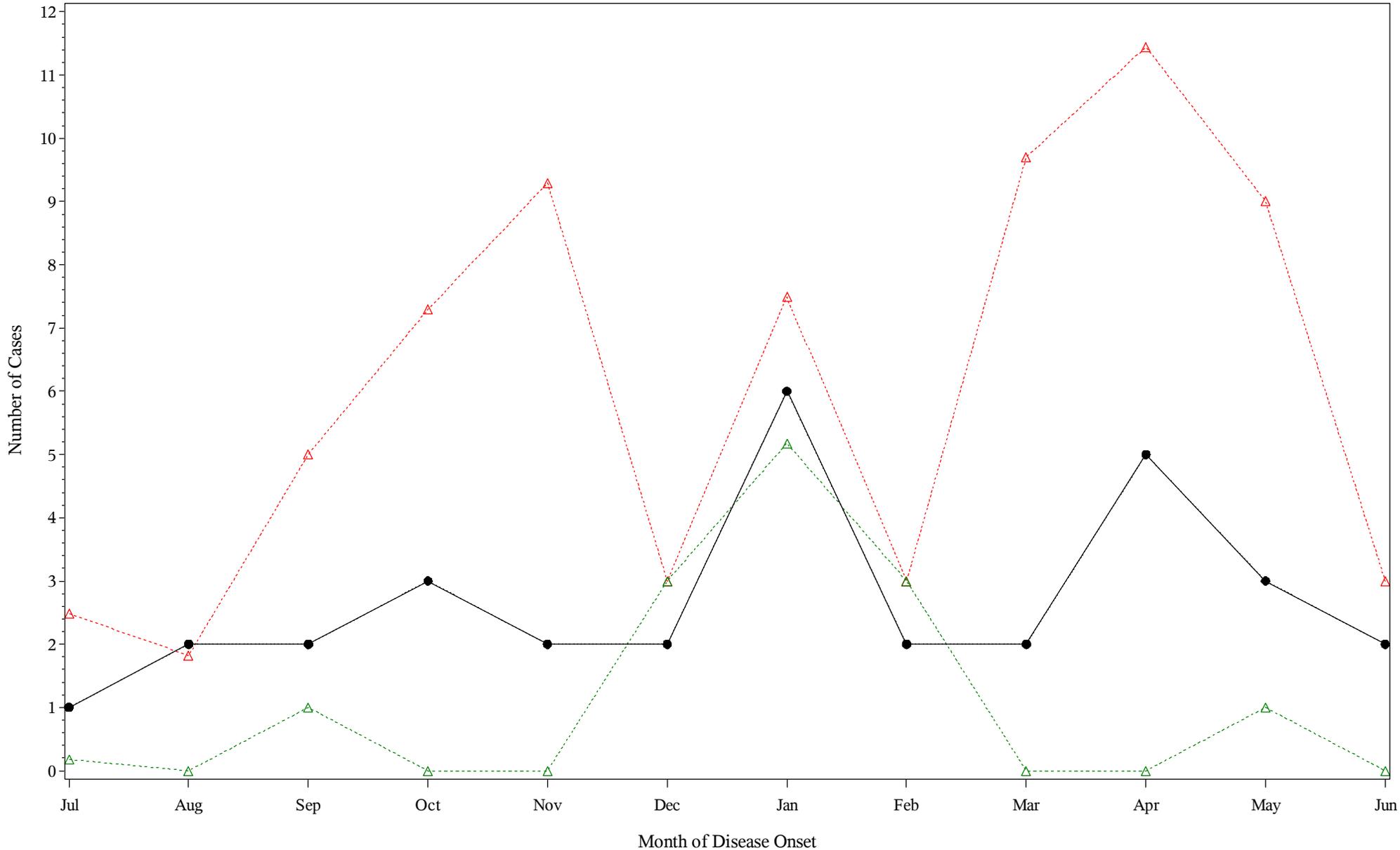
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Northeast Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate

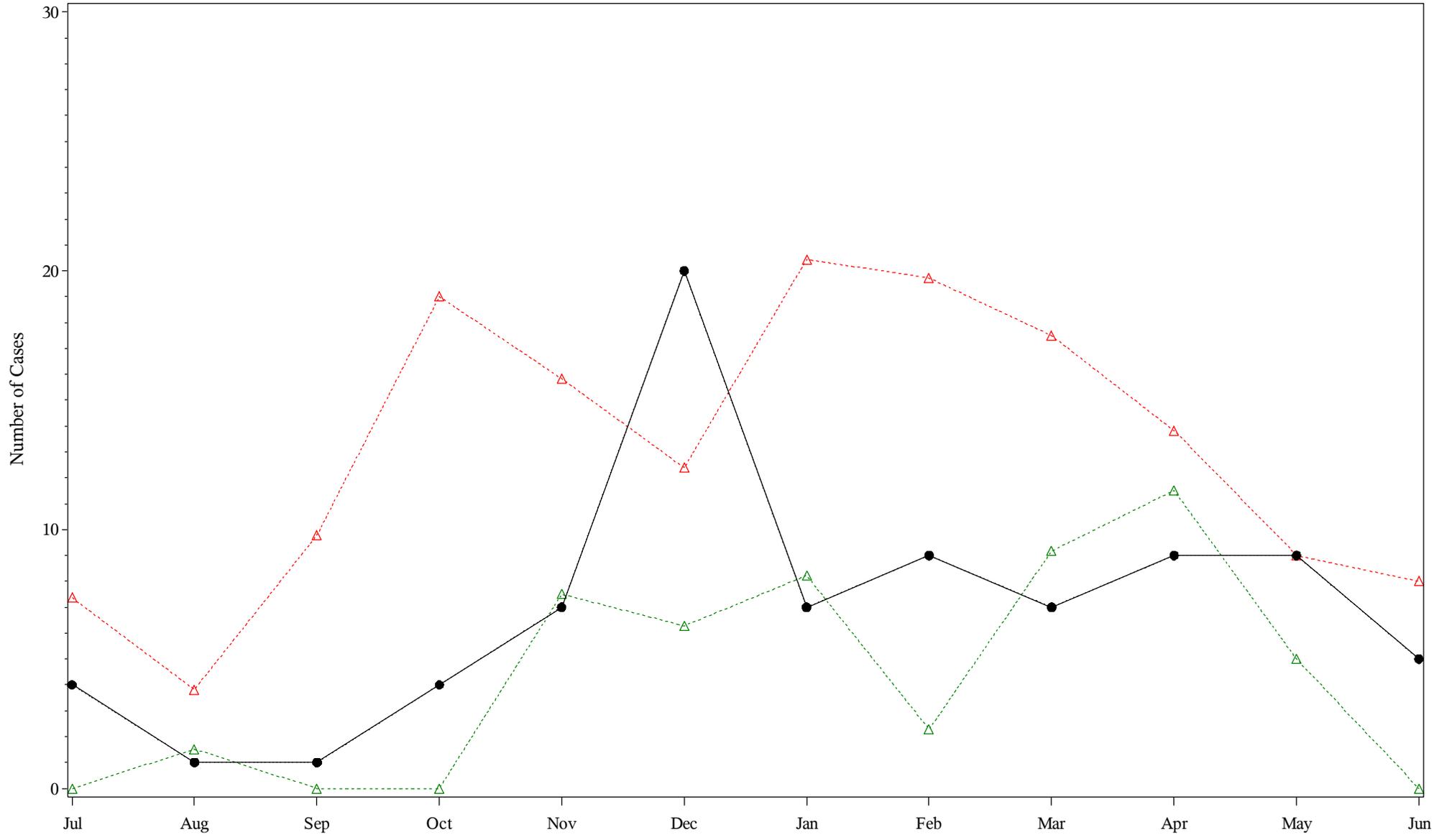


△ △ △ + 2 Standard Deviations     
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● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Northeast      Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

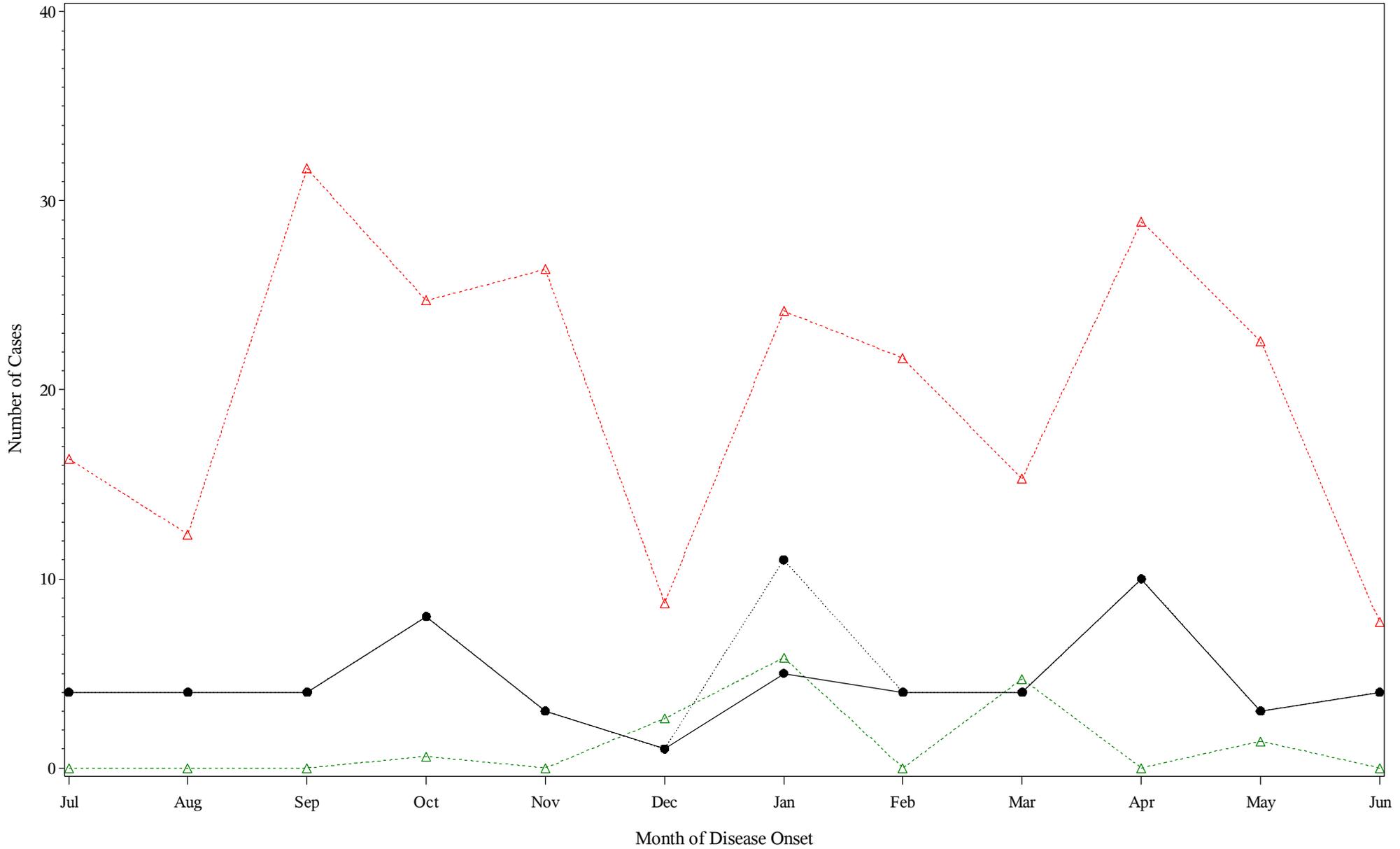


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast      Varicella



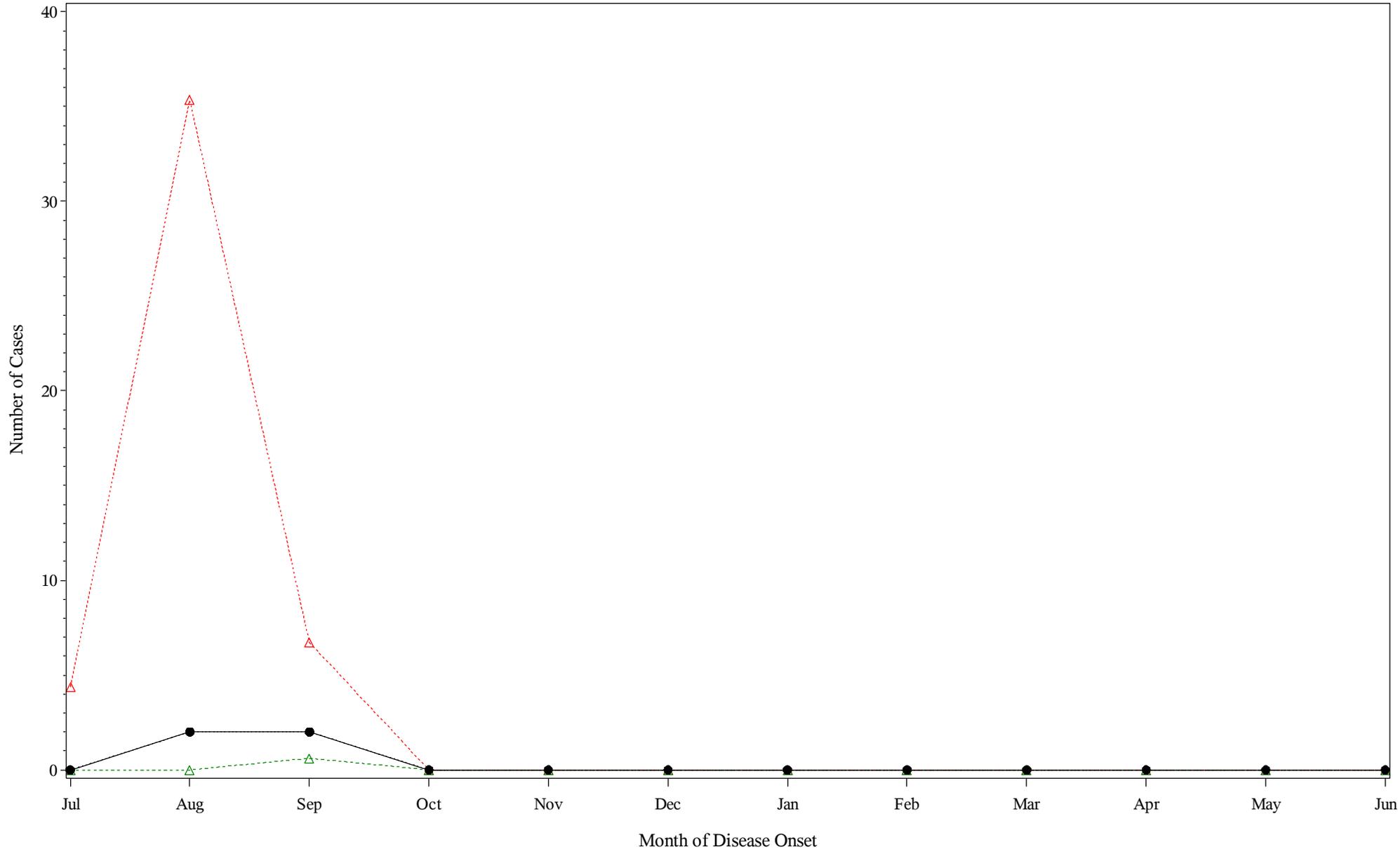
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northeast West Nile Virus Disease

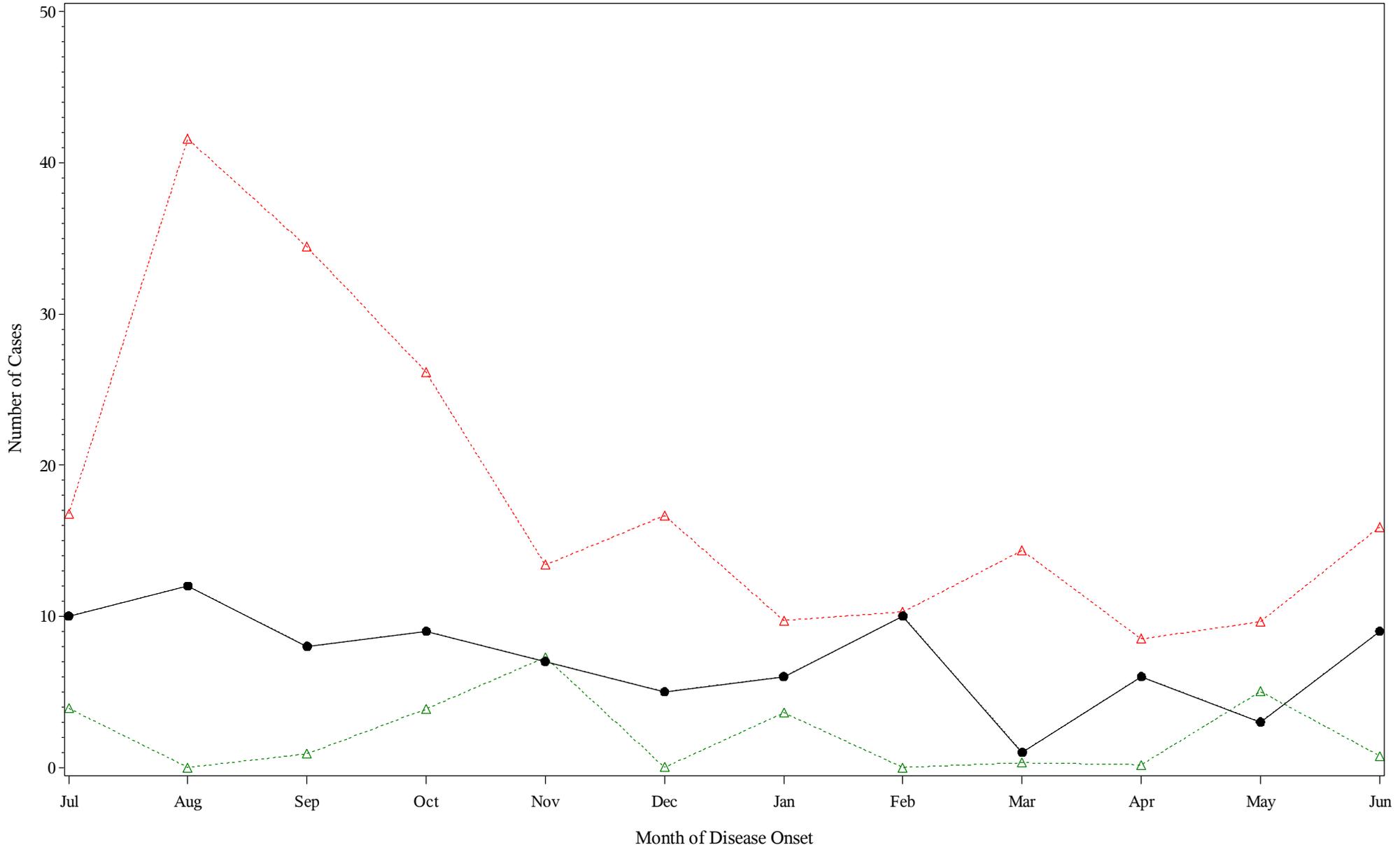


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015  
Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Aseptic Meningitis



△ △ △ + 2 Standard Deviations  
 ● ● ● 2014-2015 with Outbreak Cases

△ △ △ - 2 Standard Deviations  
 ● ● ● 2014-2015 without Outbreak Cases

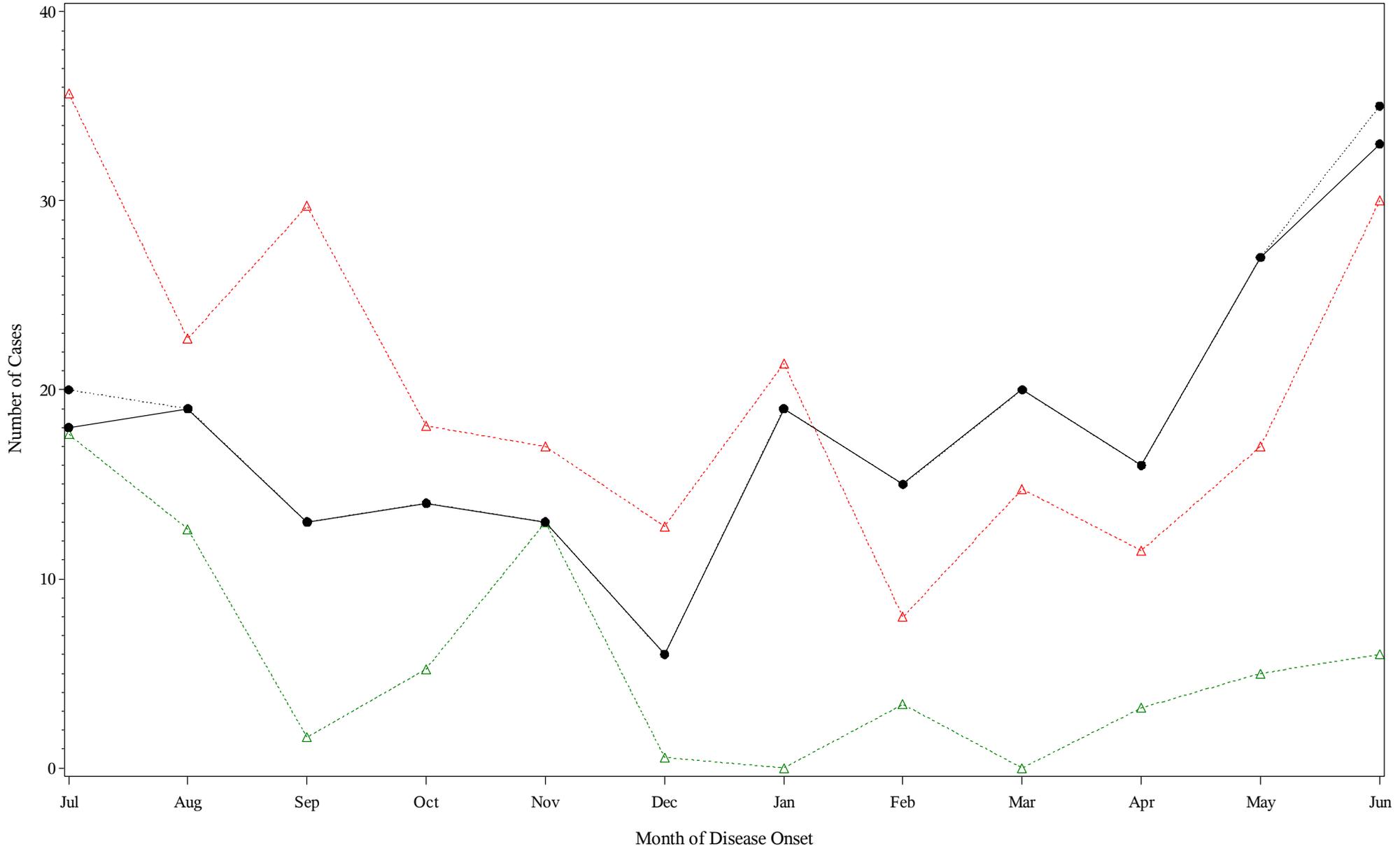
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest      Campylobacteriosis



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

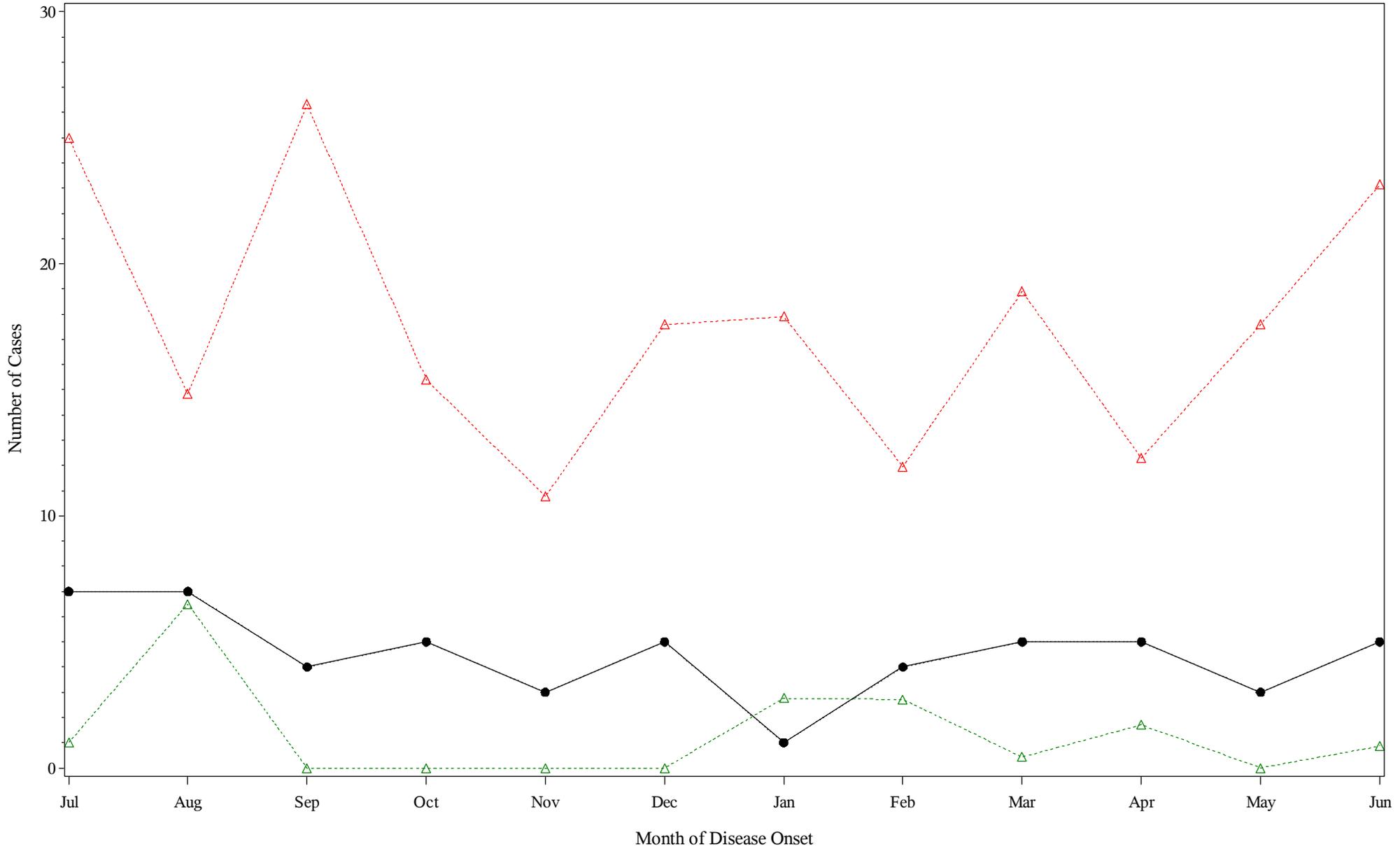
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Cryptosporidiosis



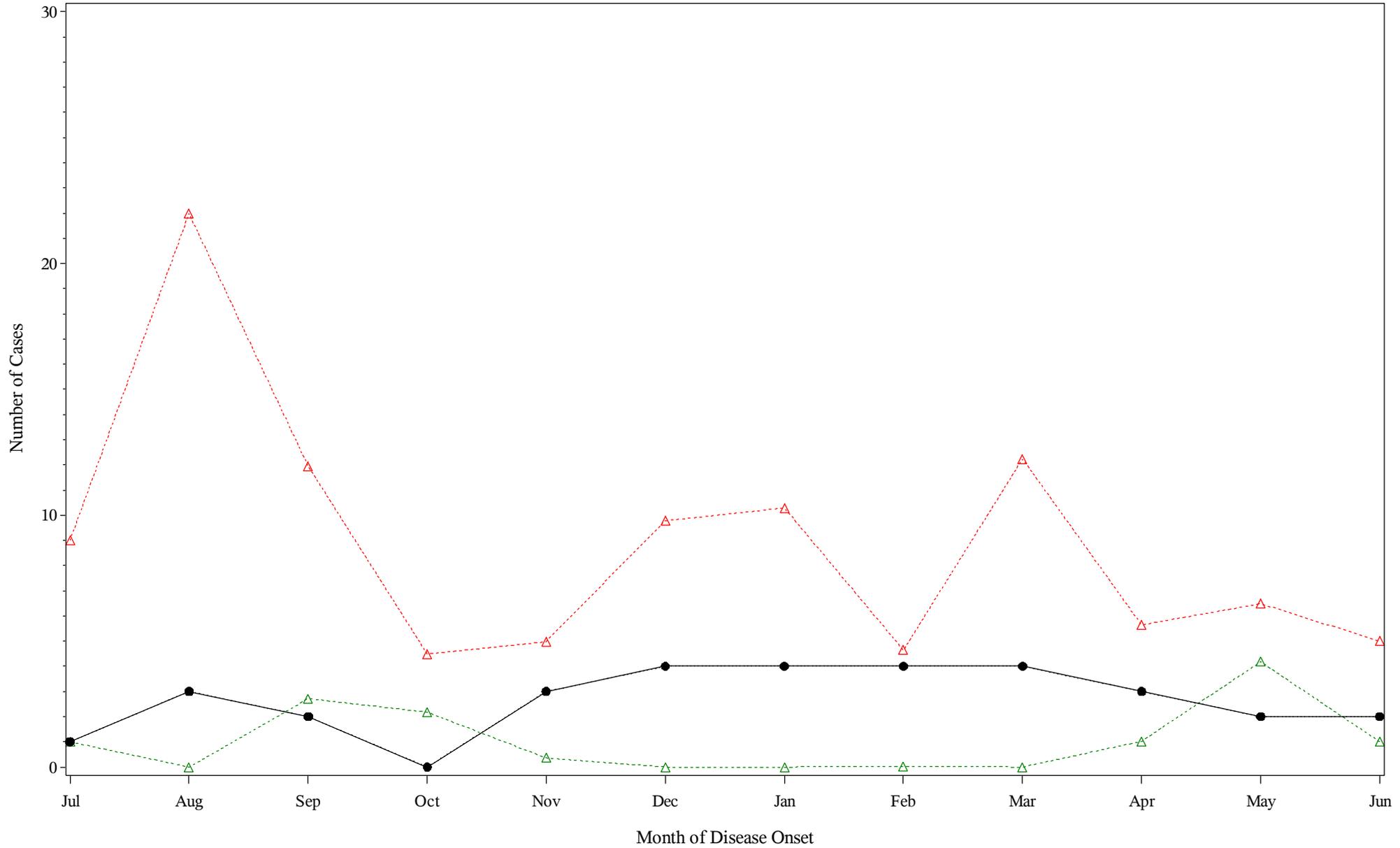
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest      Giardiasis



△ △ △ + 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases

△ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 without Outbreak Cases

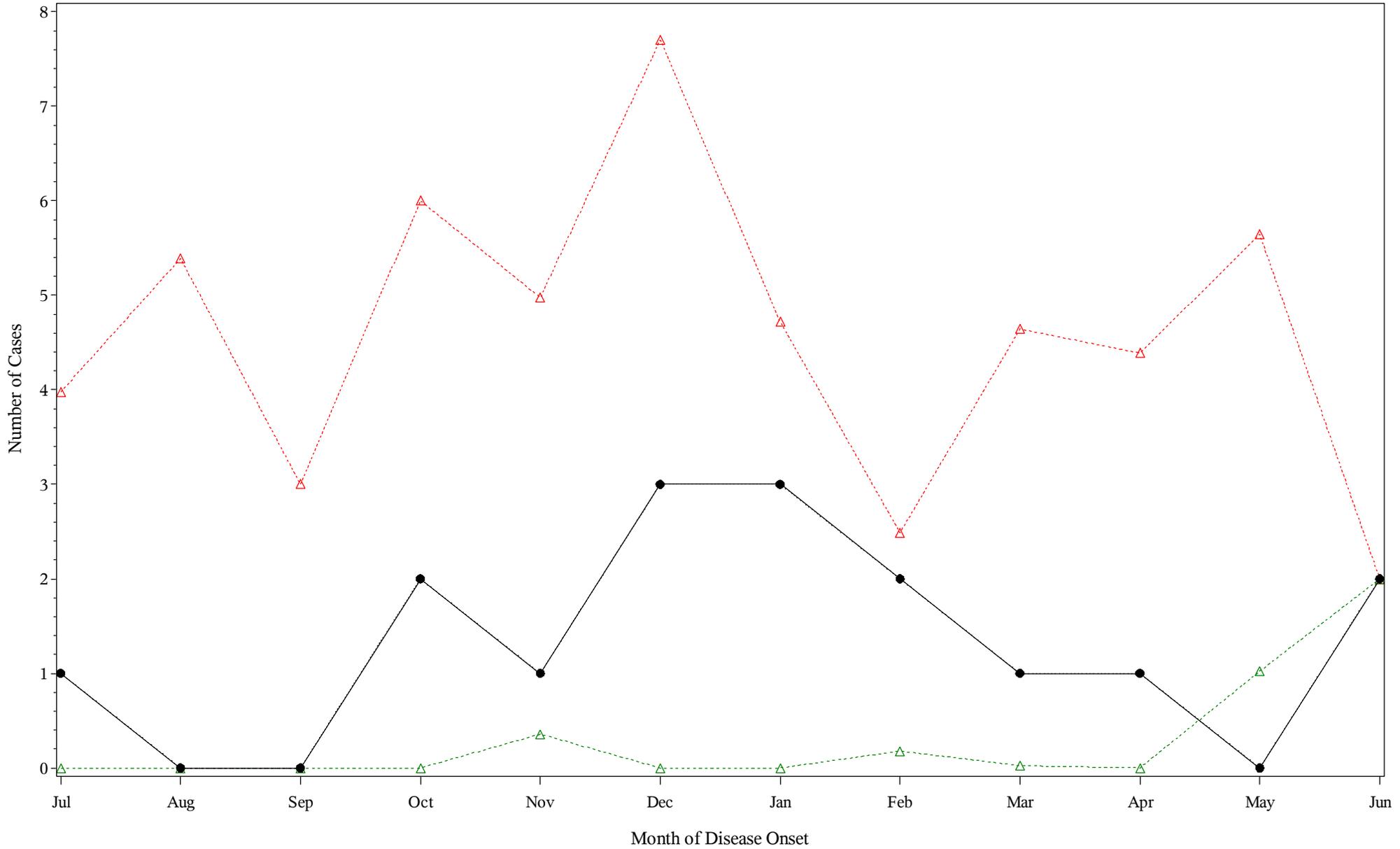
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Haemophilus influenzae, Invasive



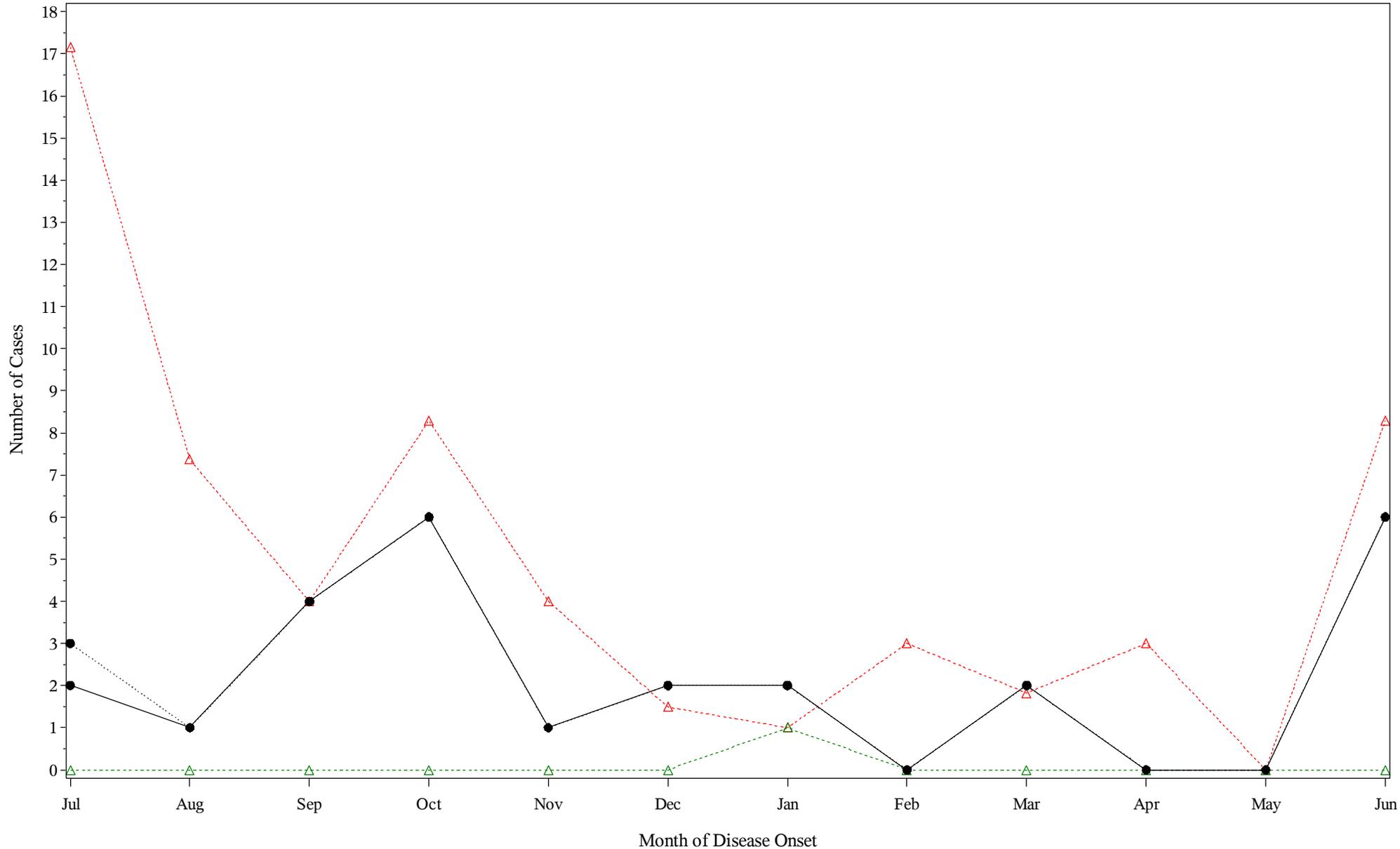
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Legionellosis

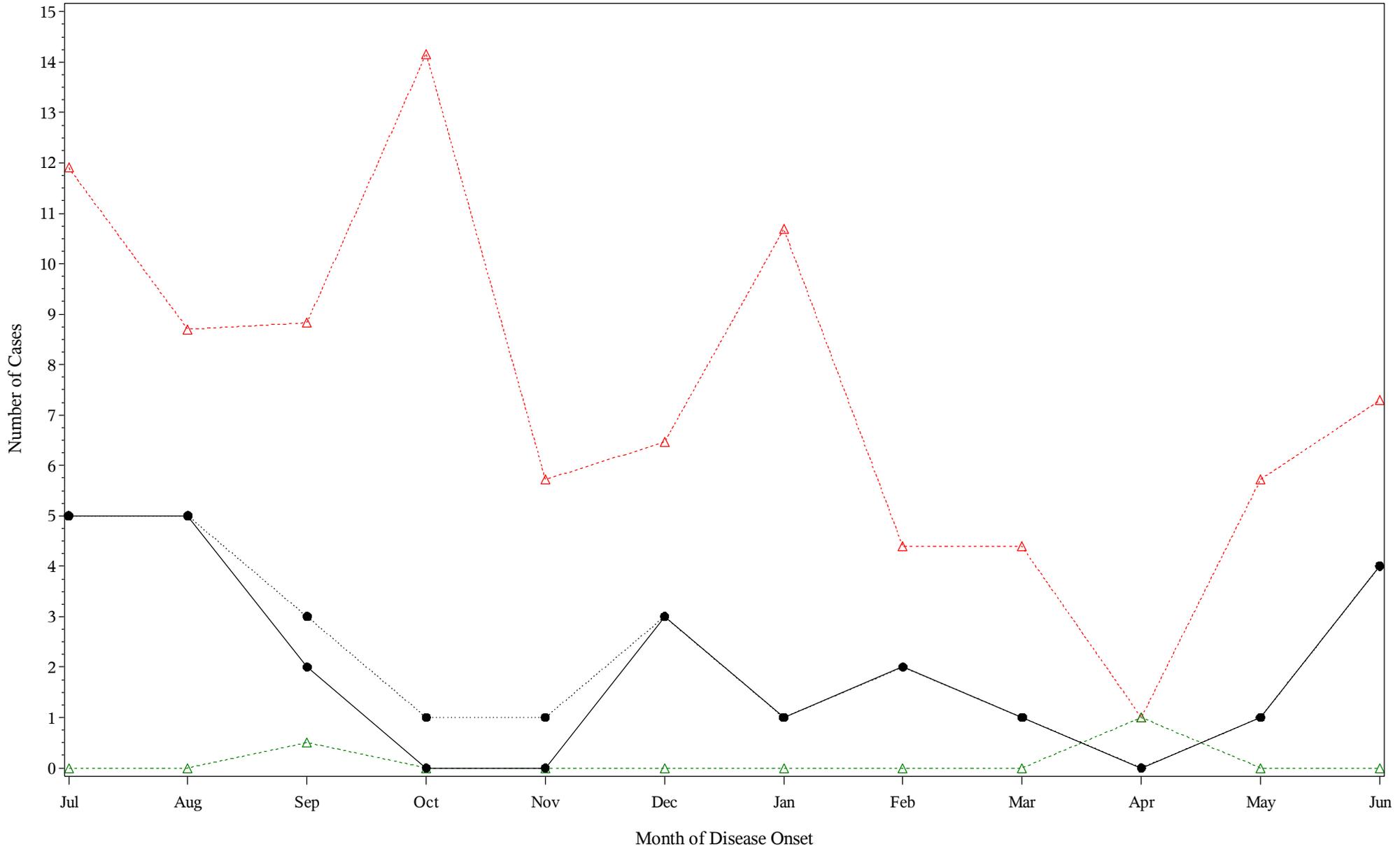


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Pertussis



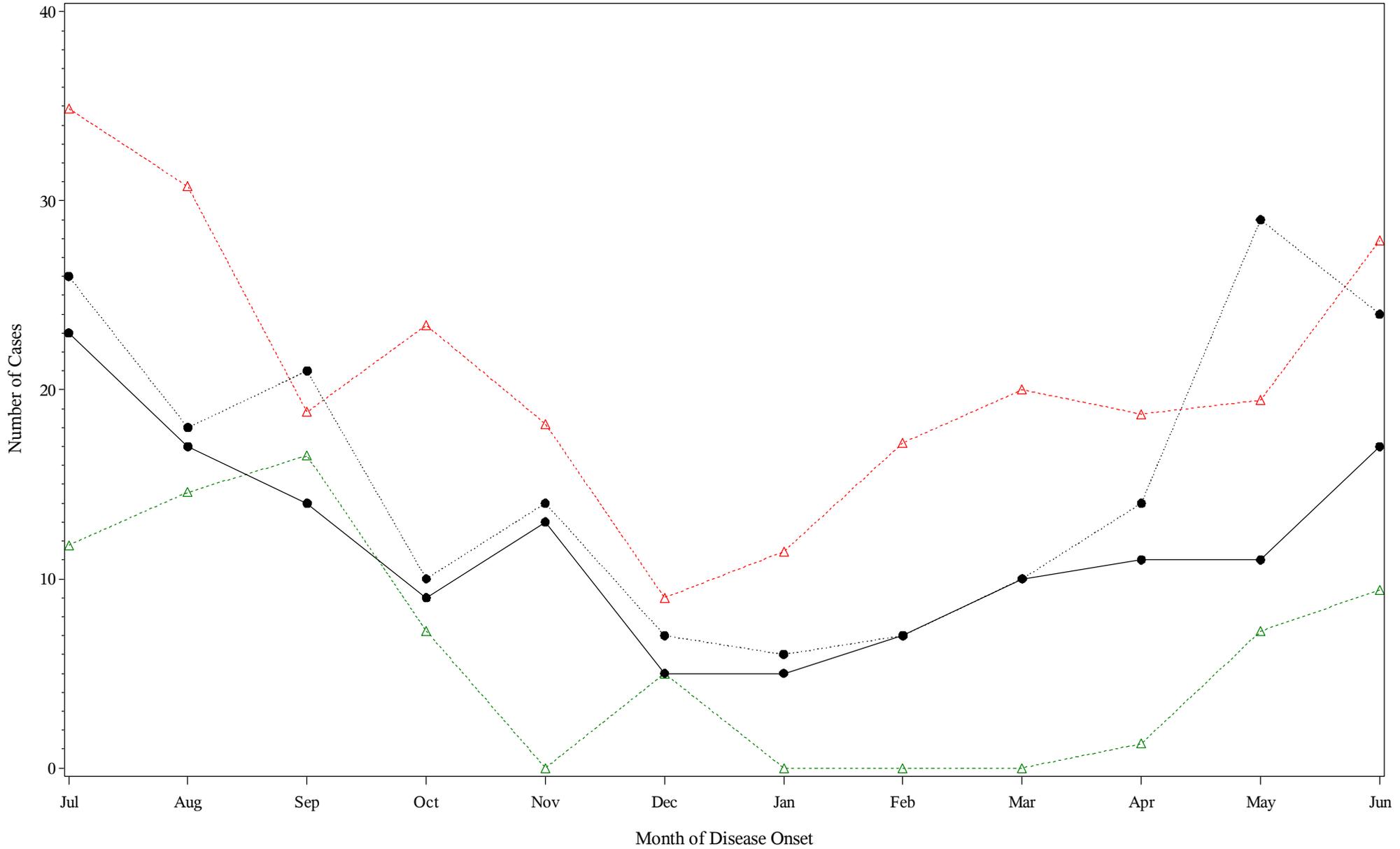
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Salmonellosis



△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

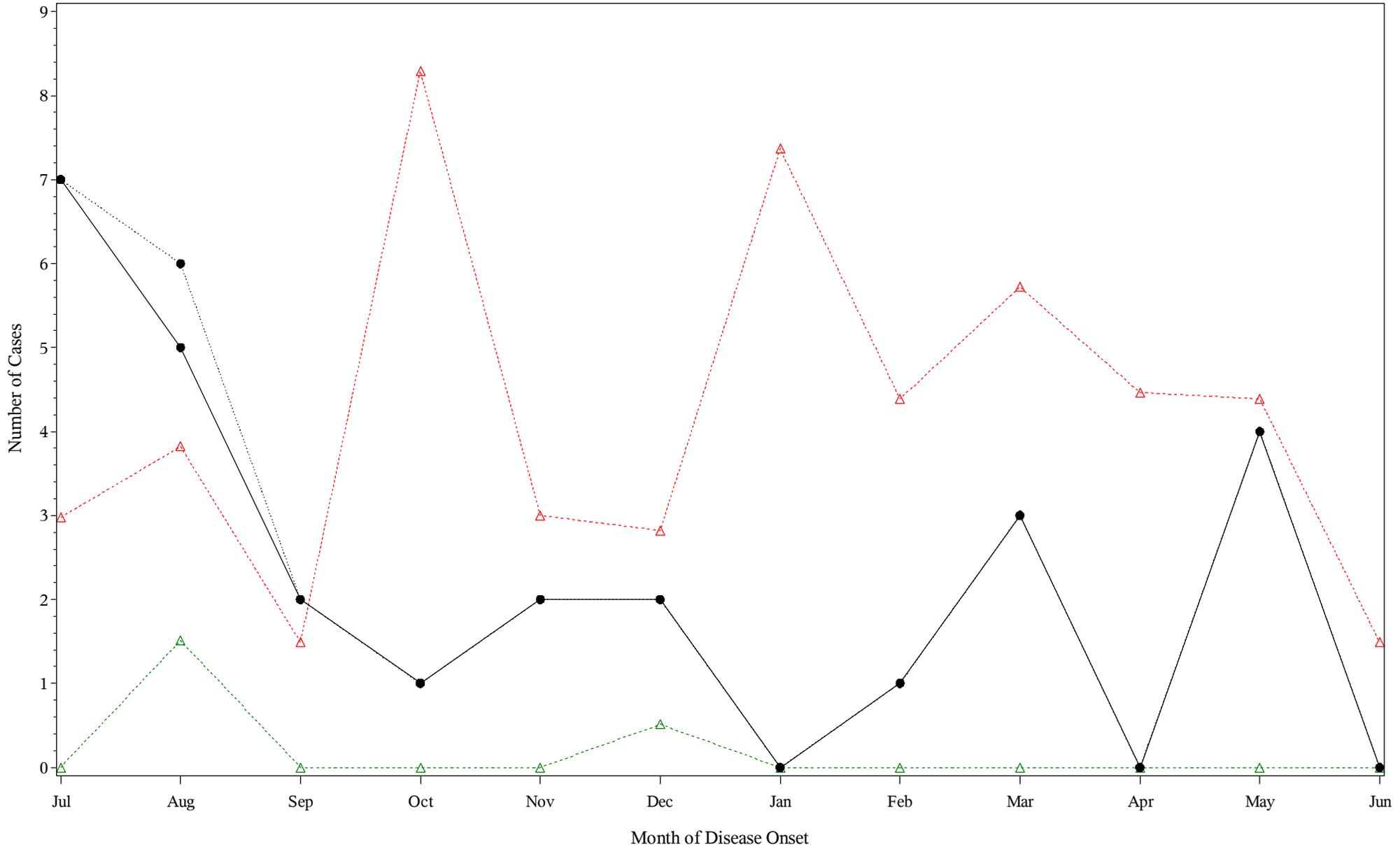
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Shigellosis



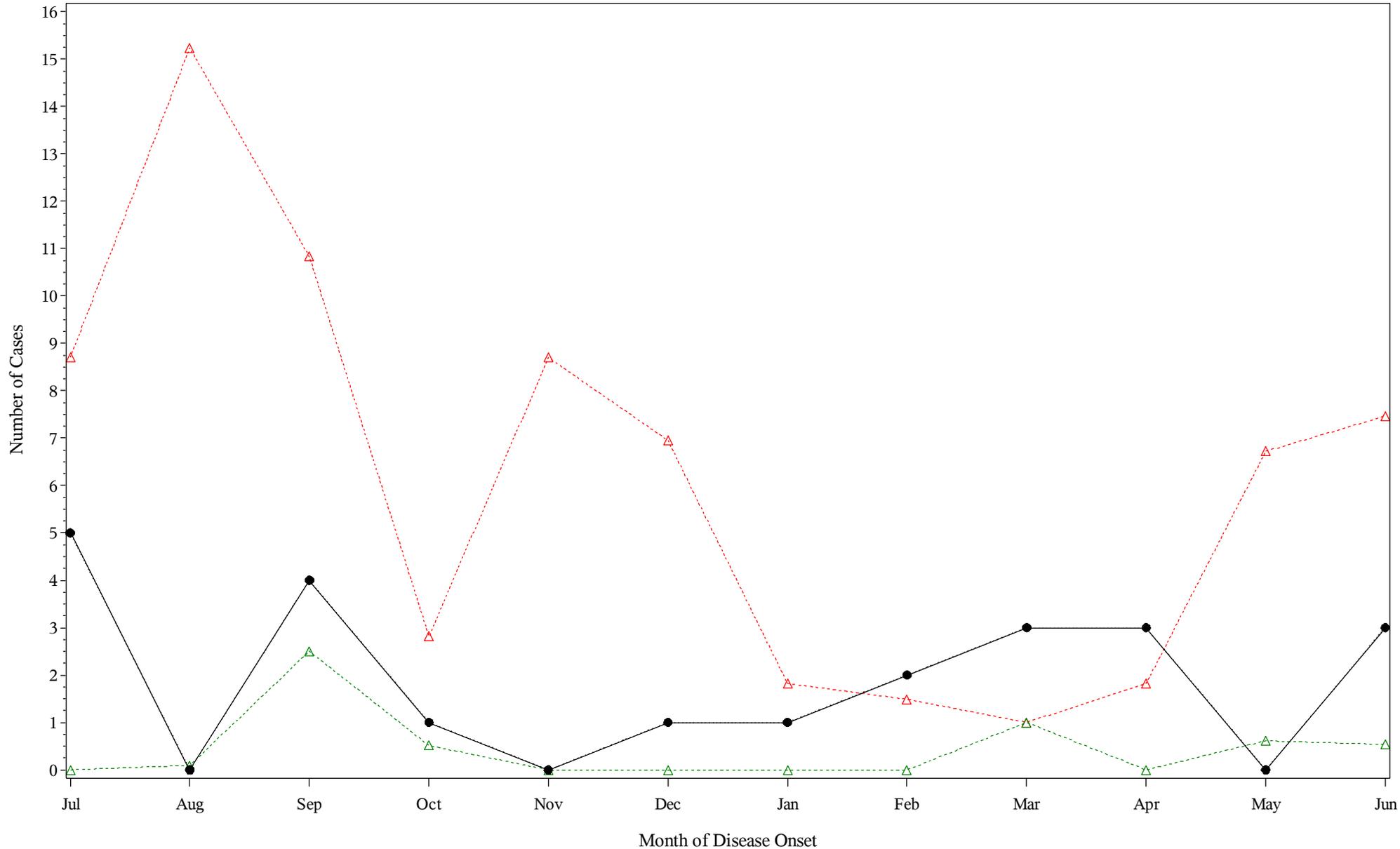
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Shiga Toxin-Producing Escherichia coli

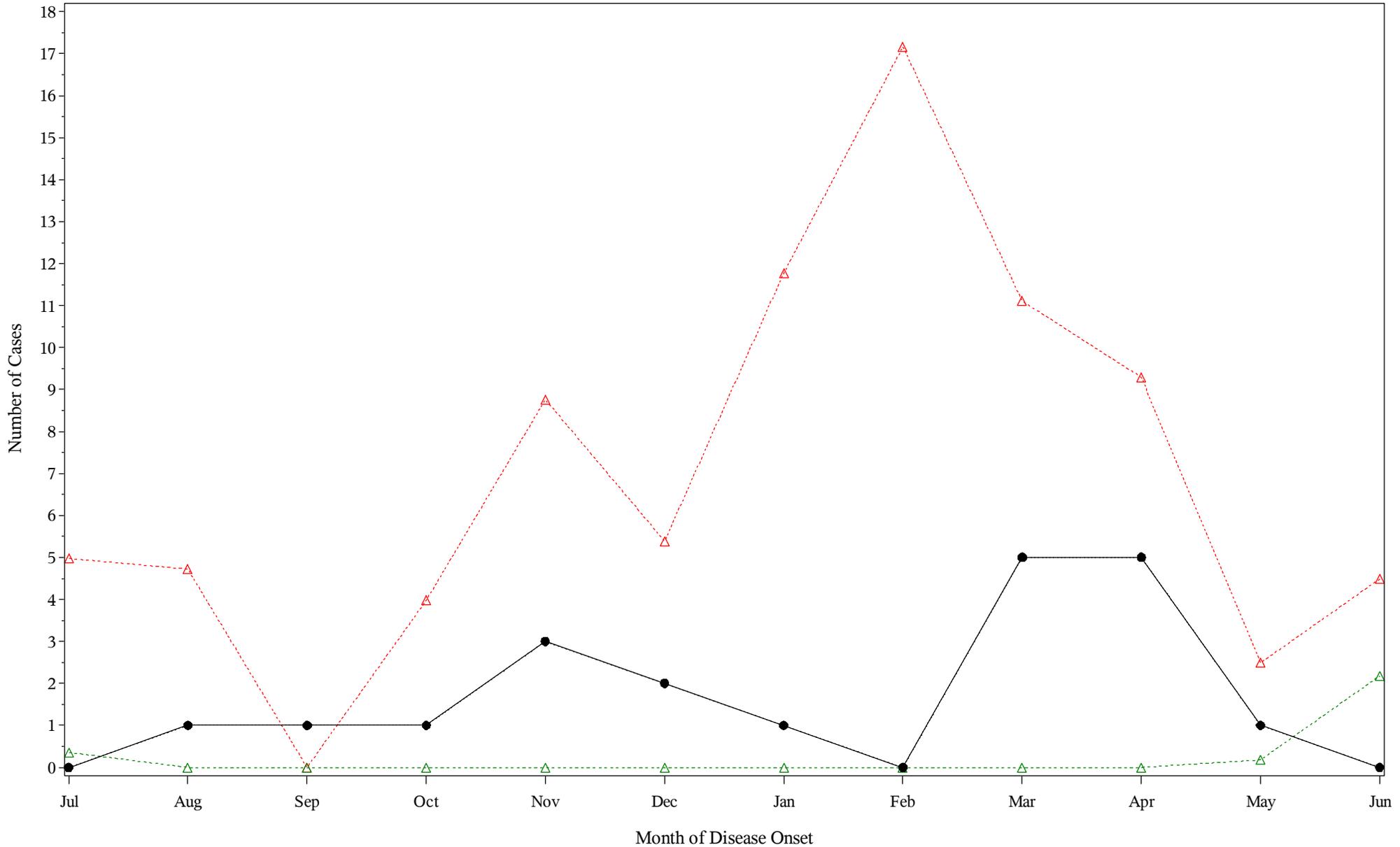


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Streptococcal Disease, Group A, Invasive



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

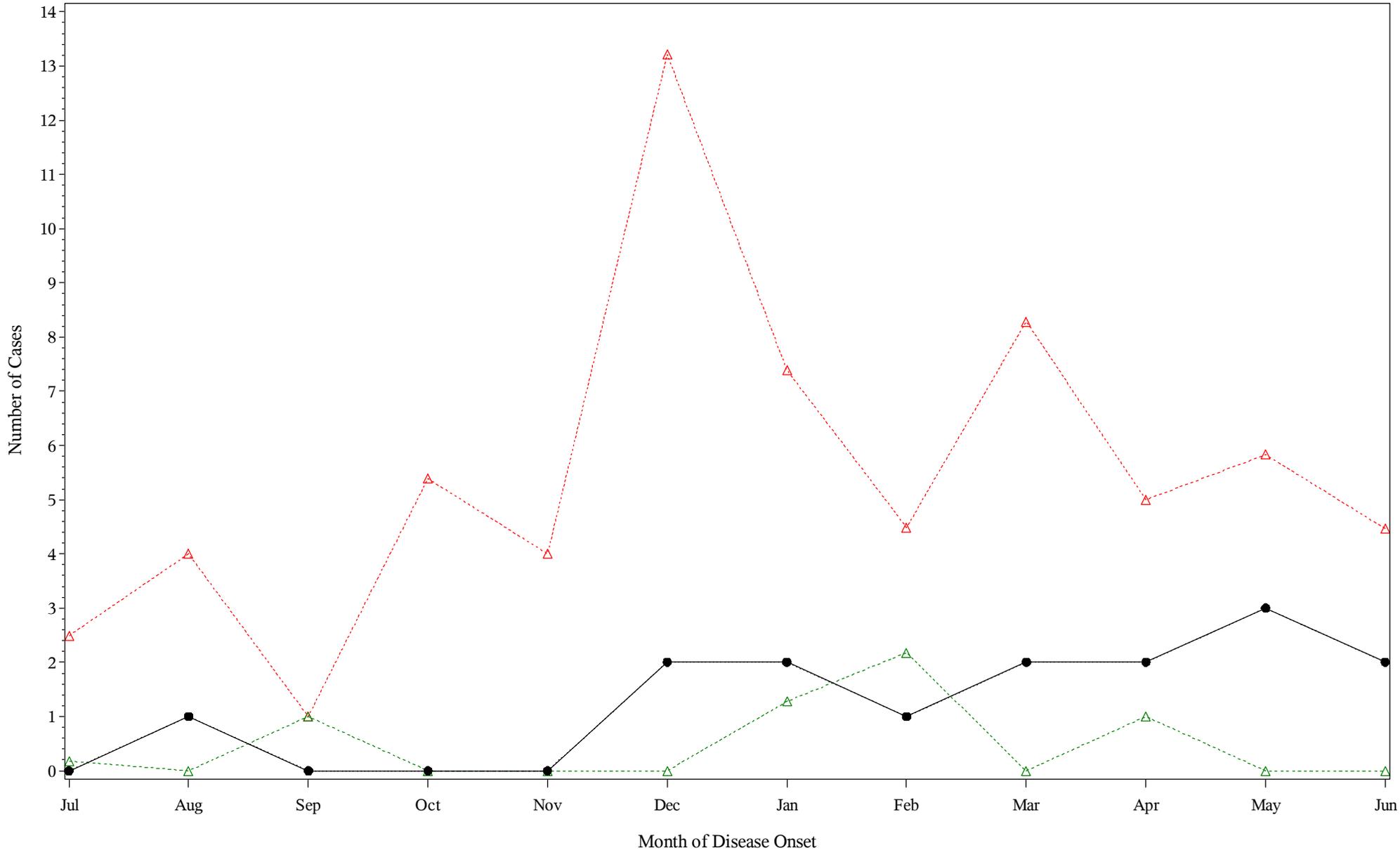
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Northwest      Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate

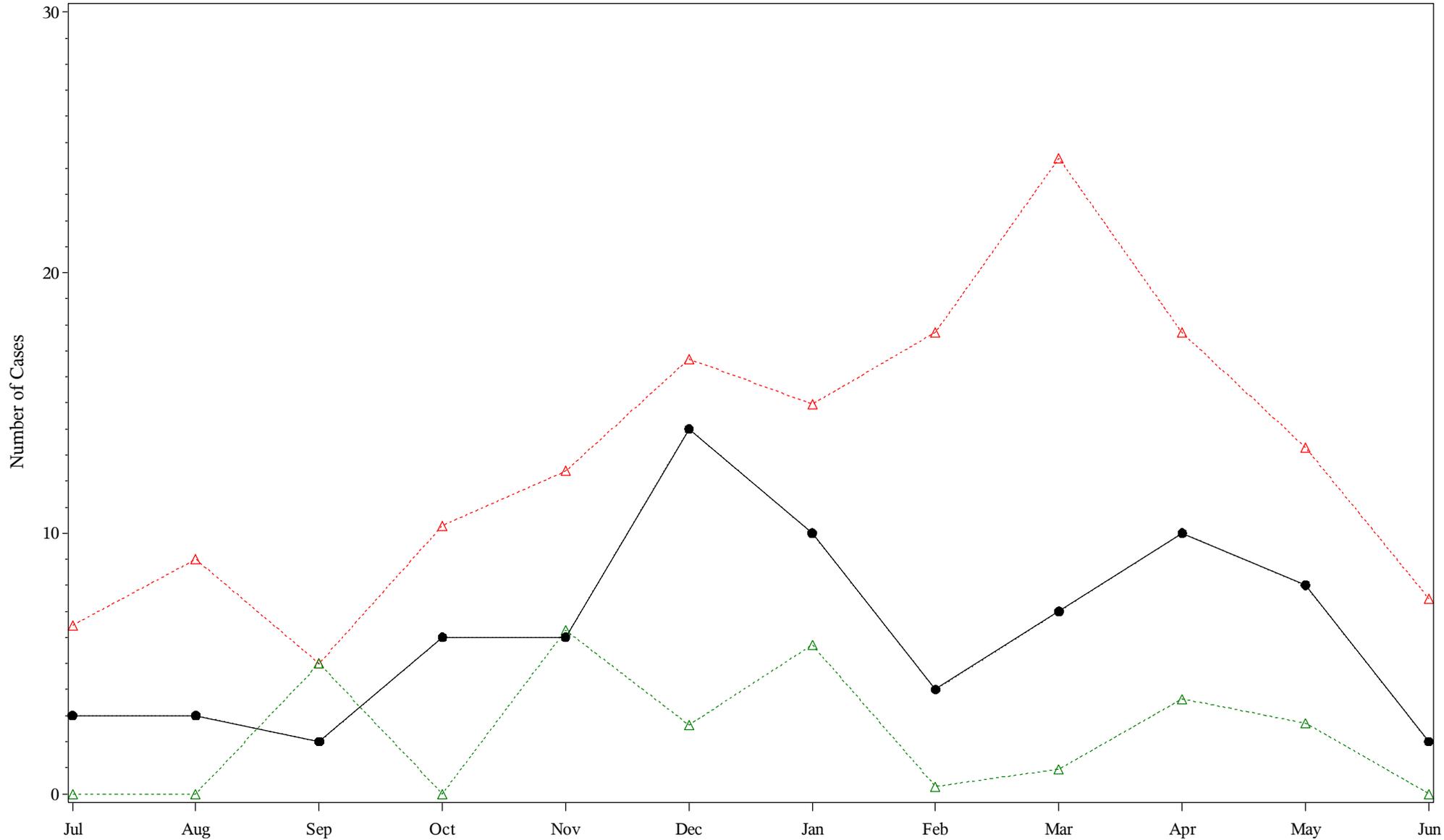


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

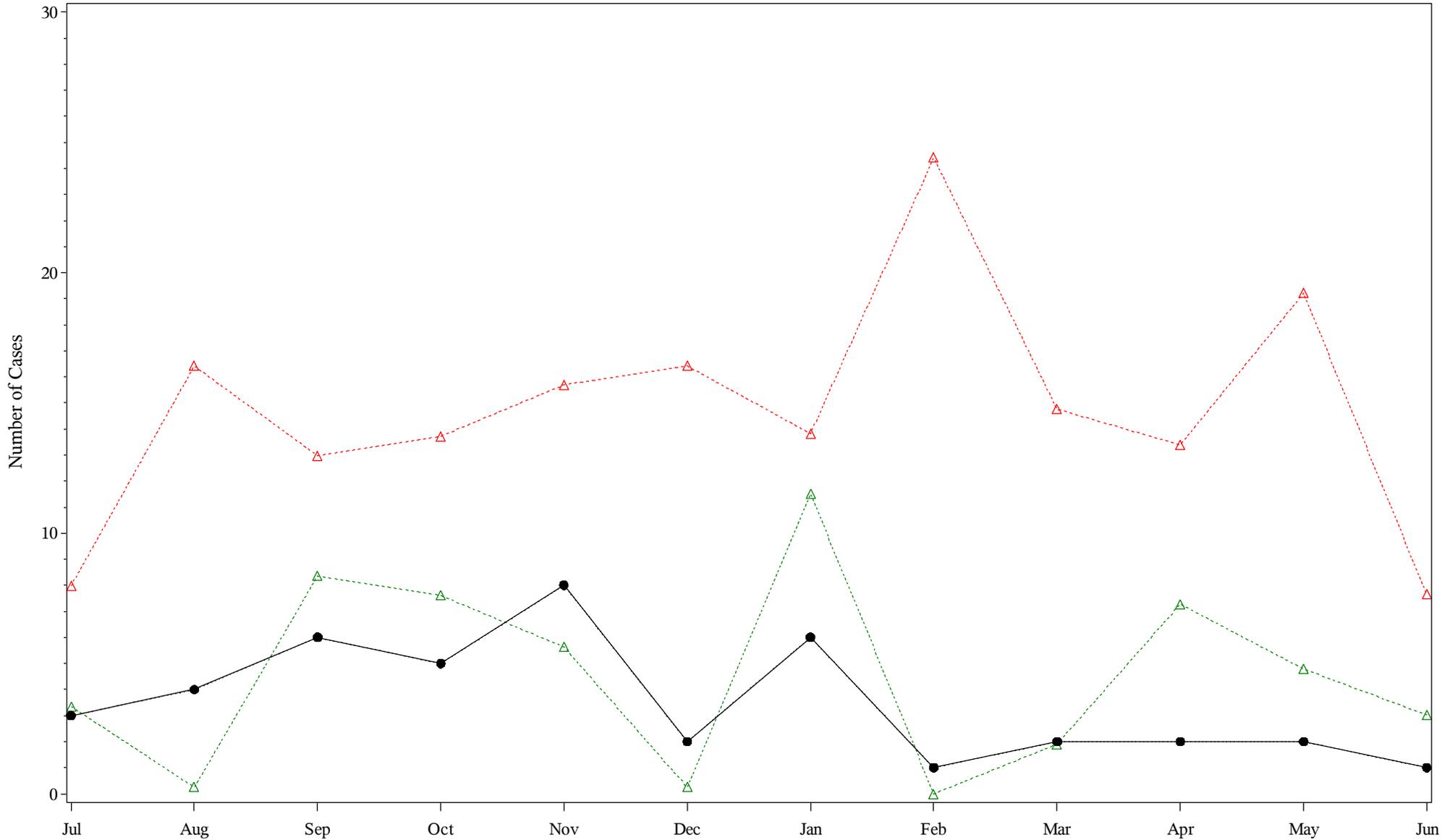


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 Current as of 07/26/2015  
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest Varicella

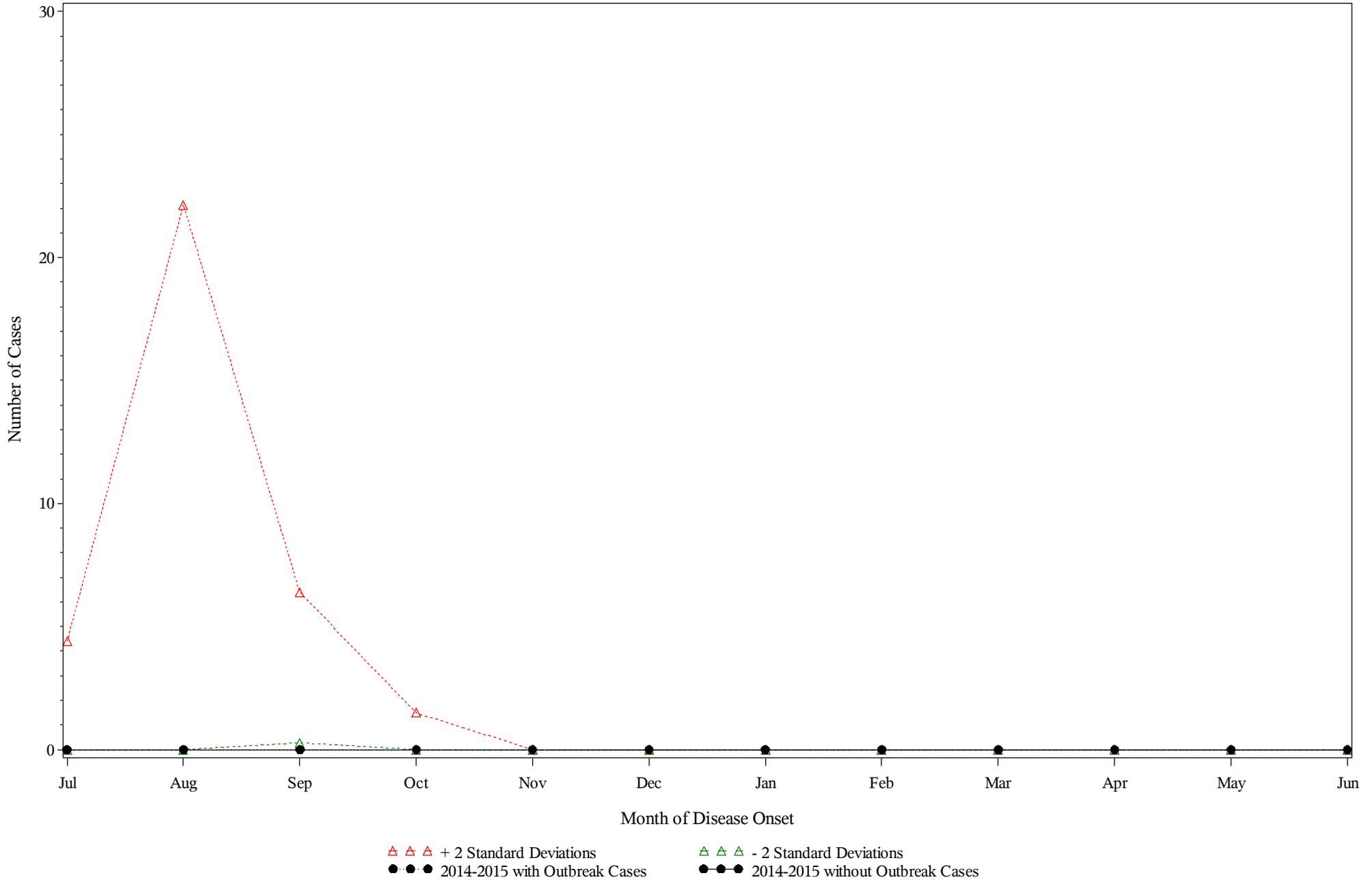


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Northwest West Nile Virus Disease



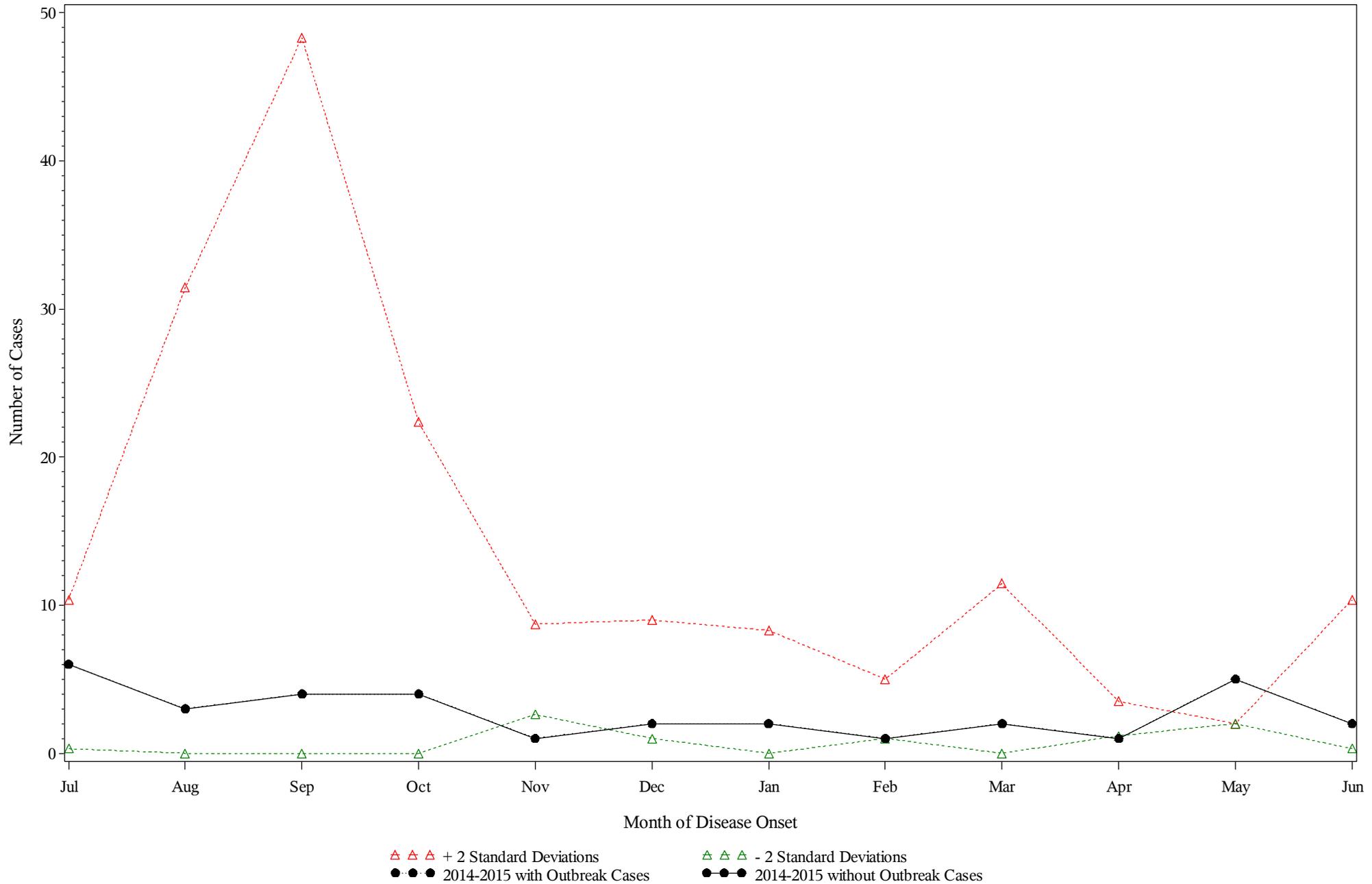
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Aseptic Meningitis



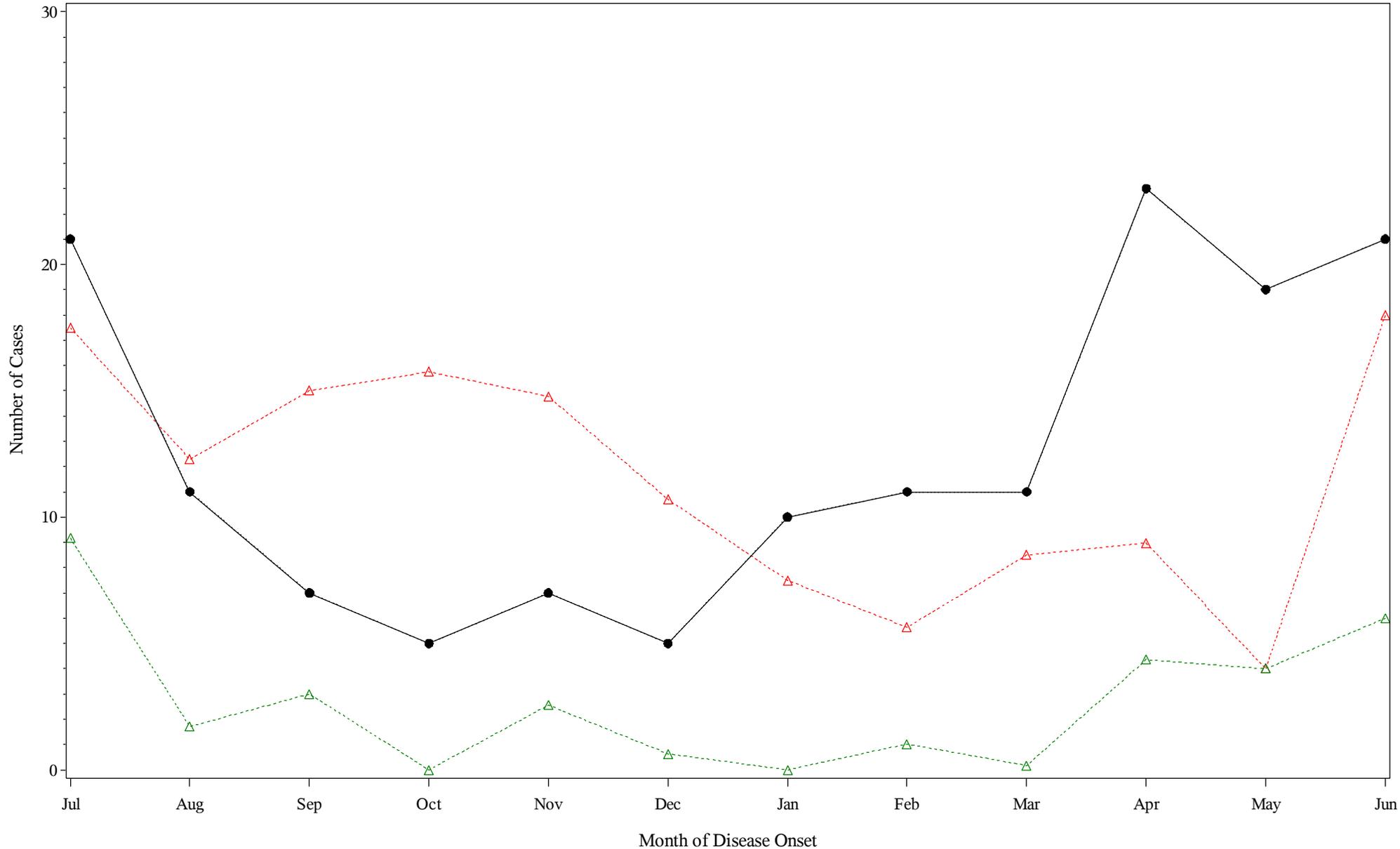
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southeast      Campylobacteriosis

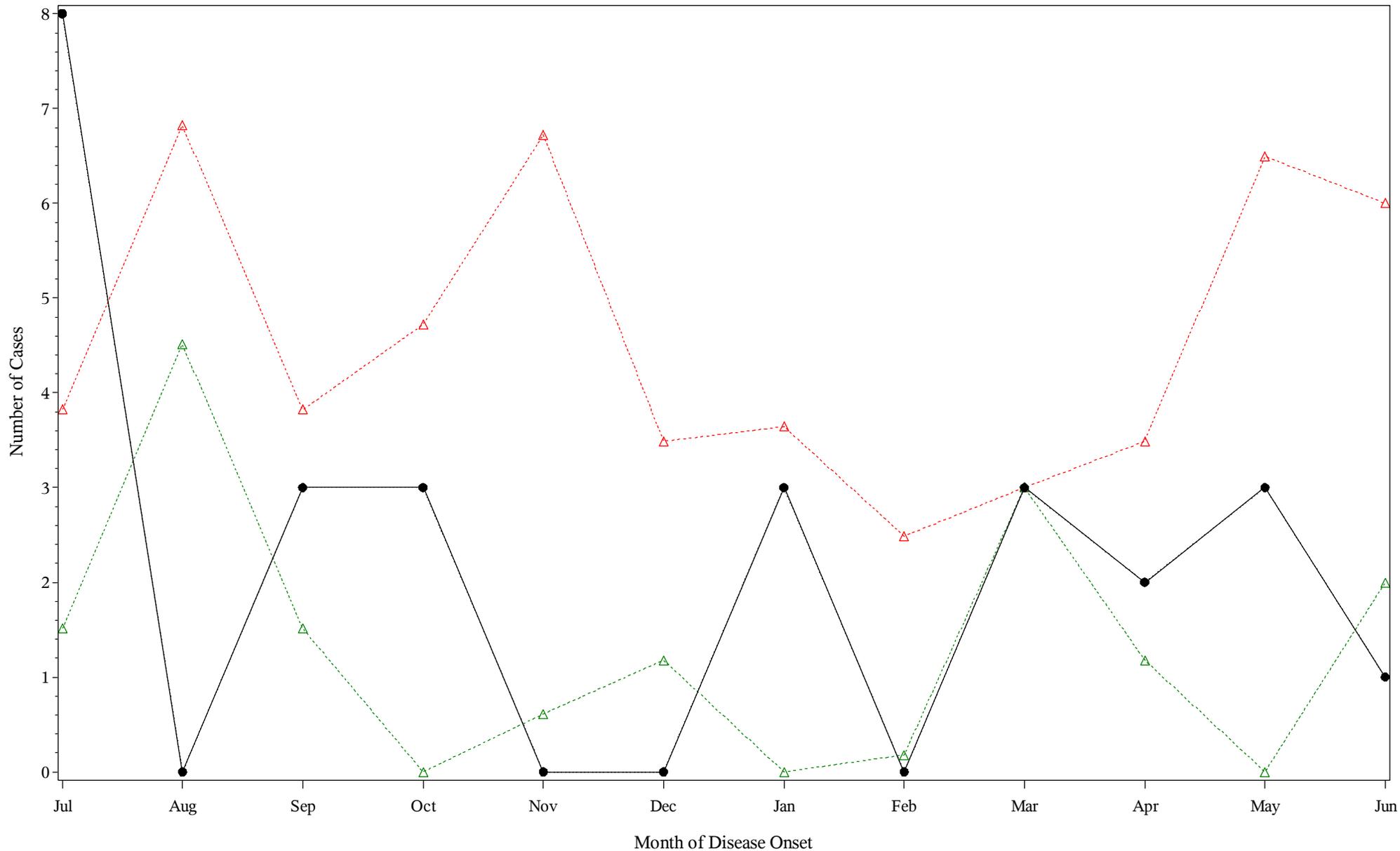


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Cryptosporidiosis

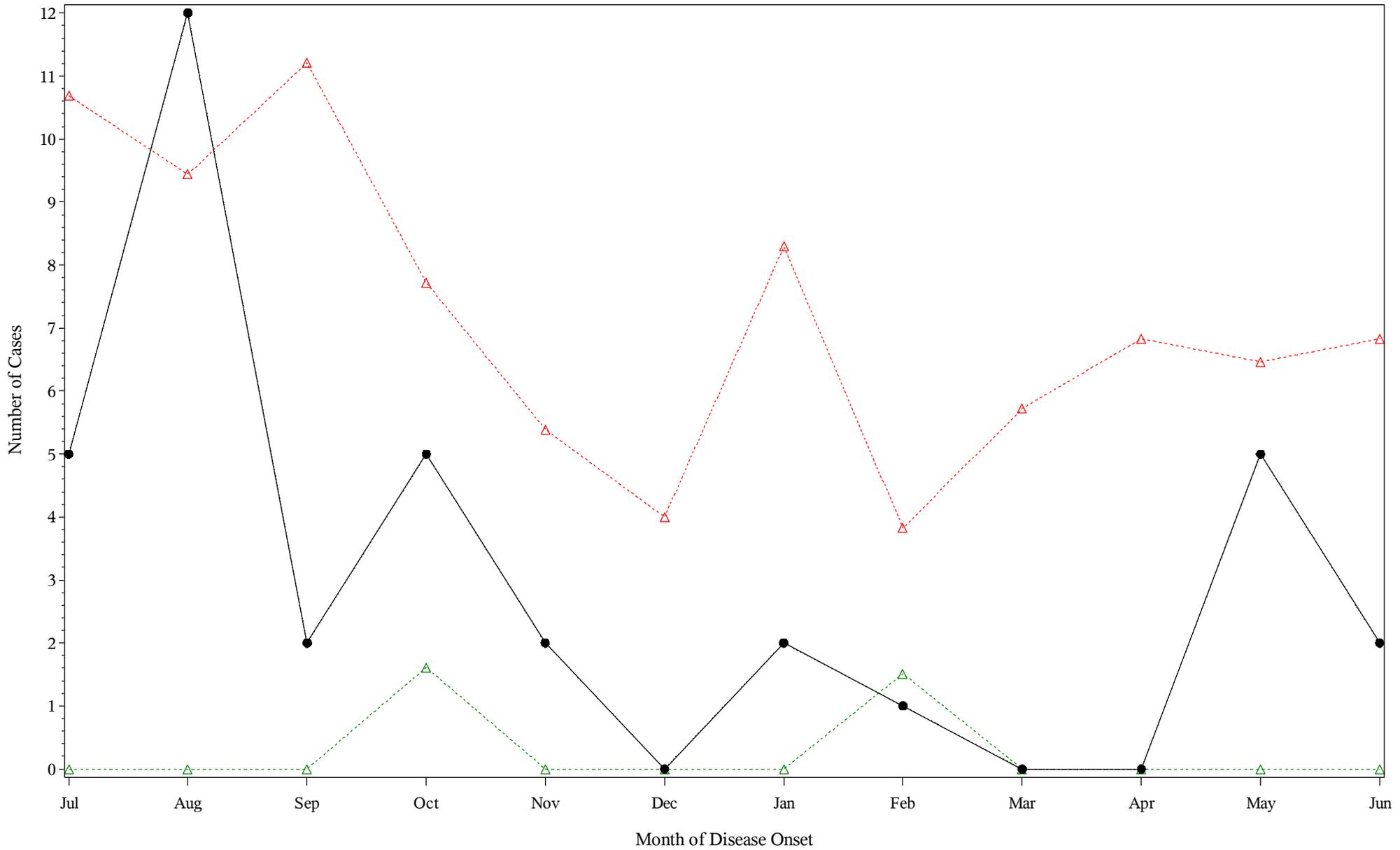


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast      Giardiasis



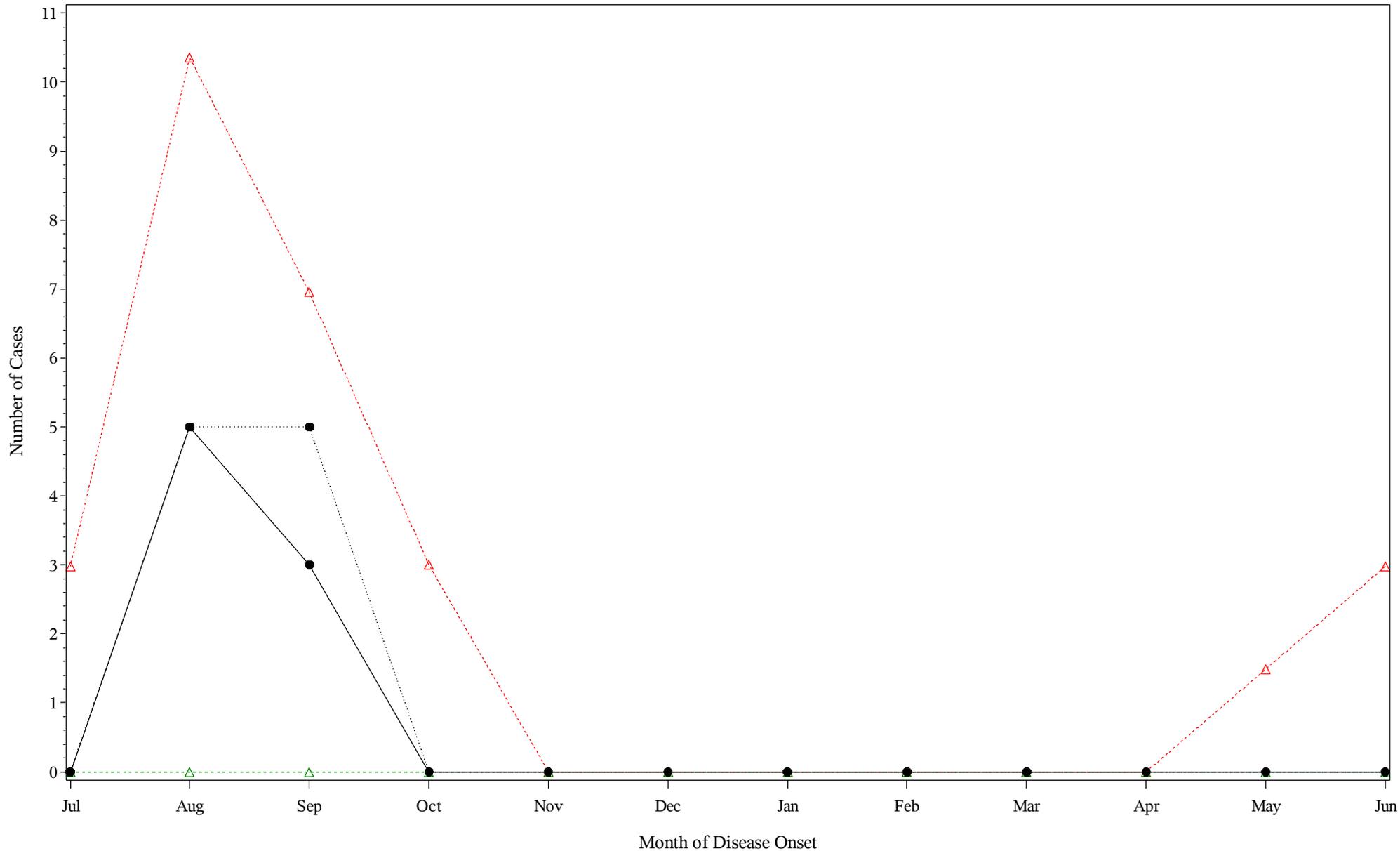
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast LaCrosse Virus Disease



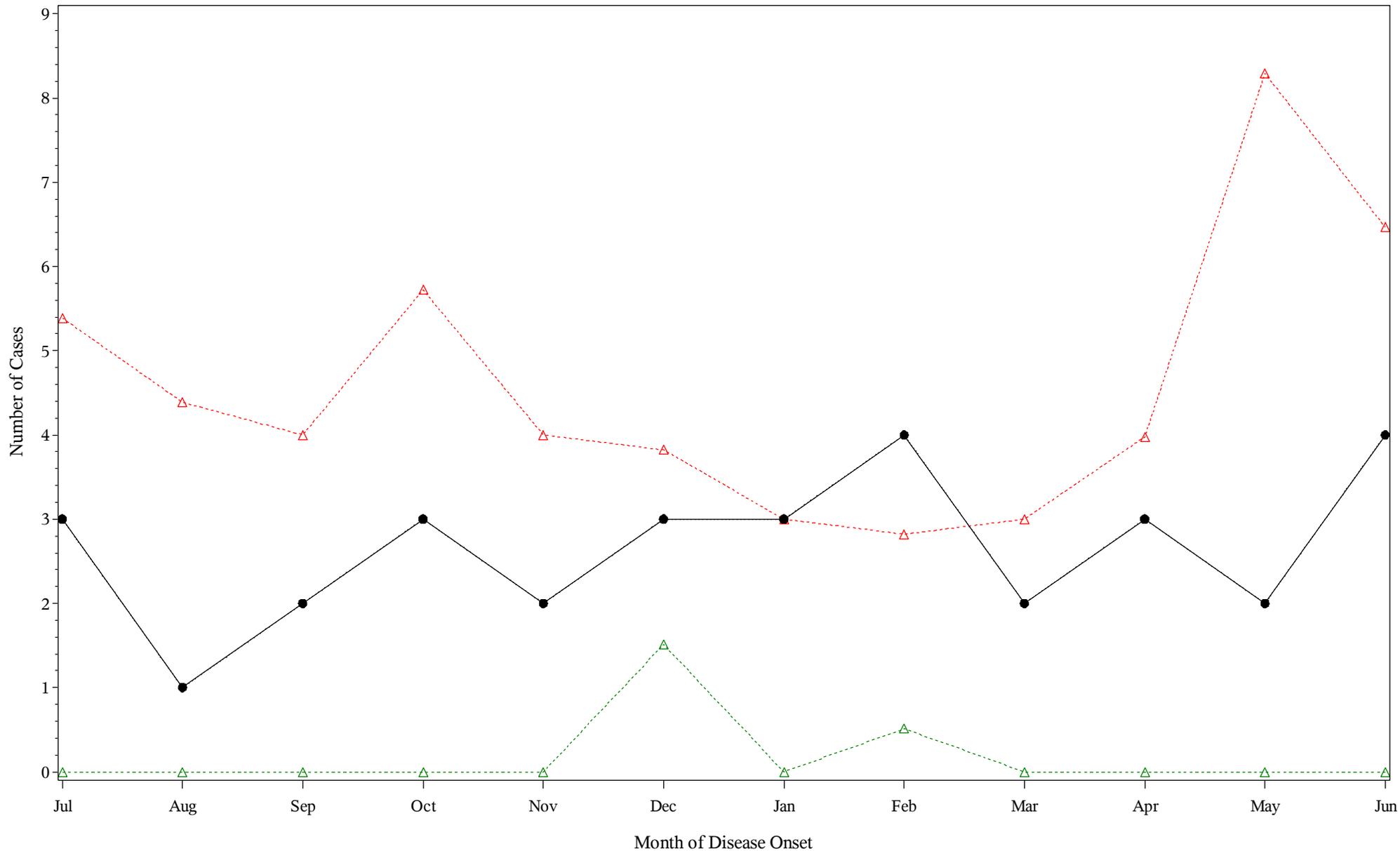
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Legionellosis

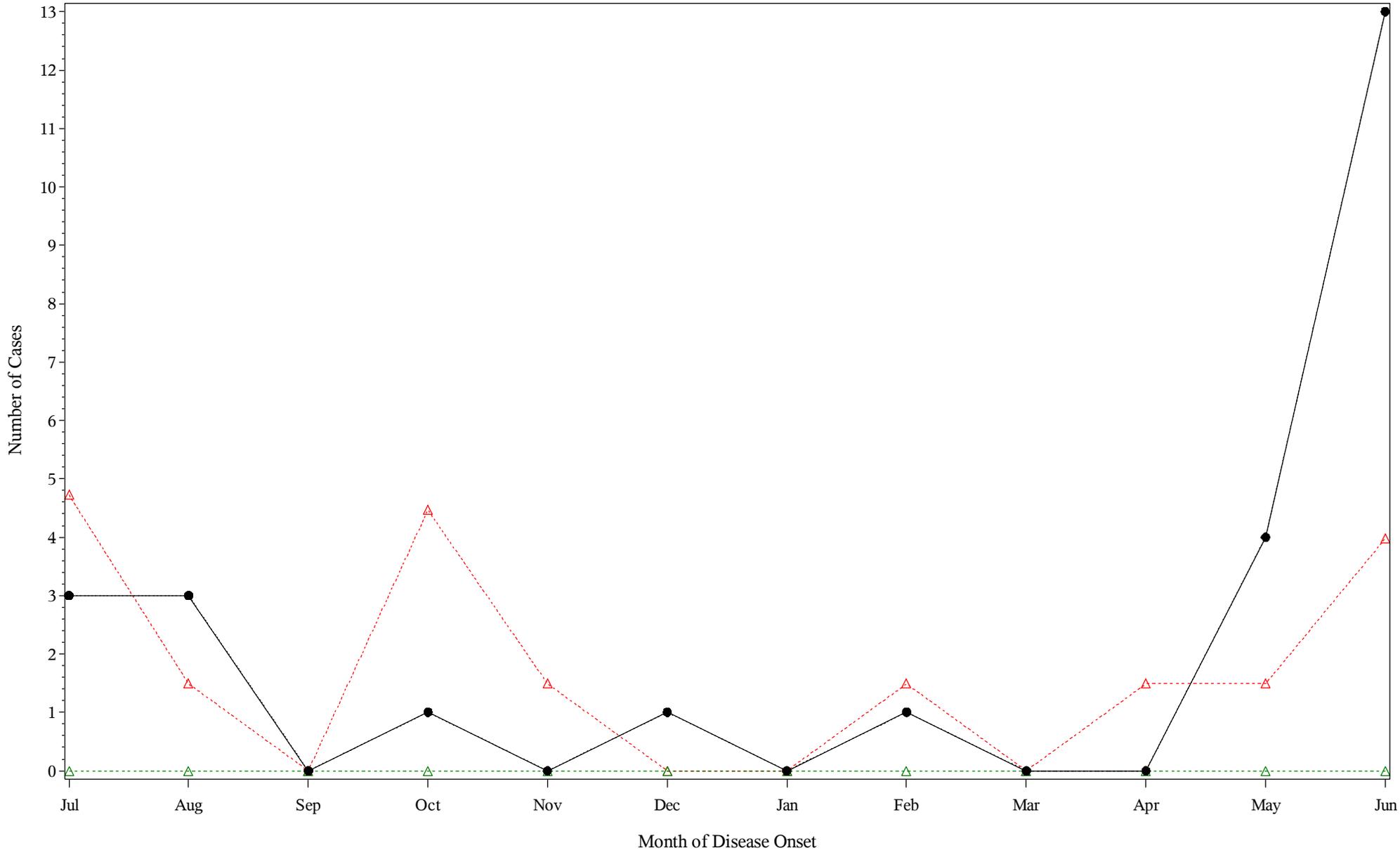


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southeast      Lyme Disease

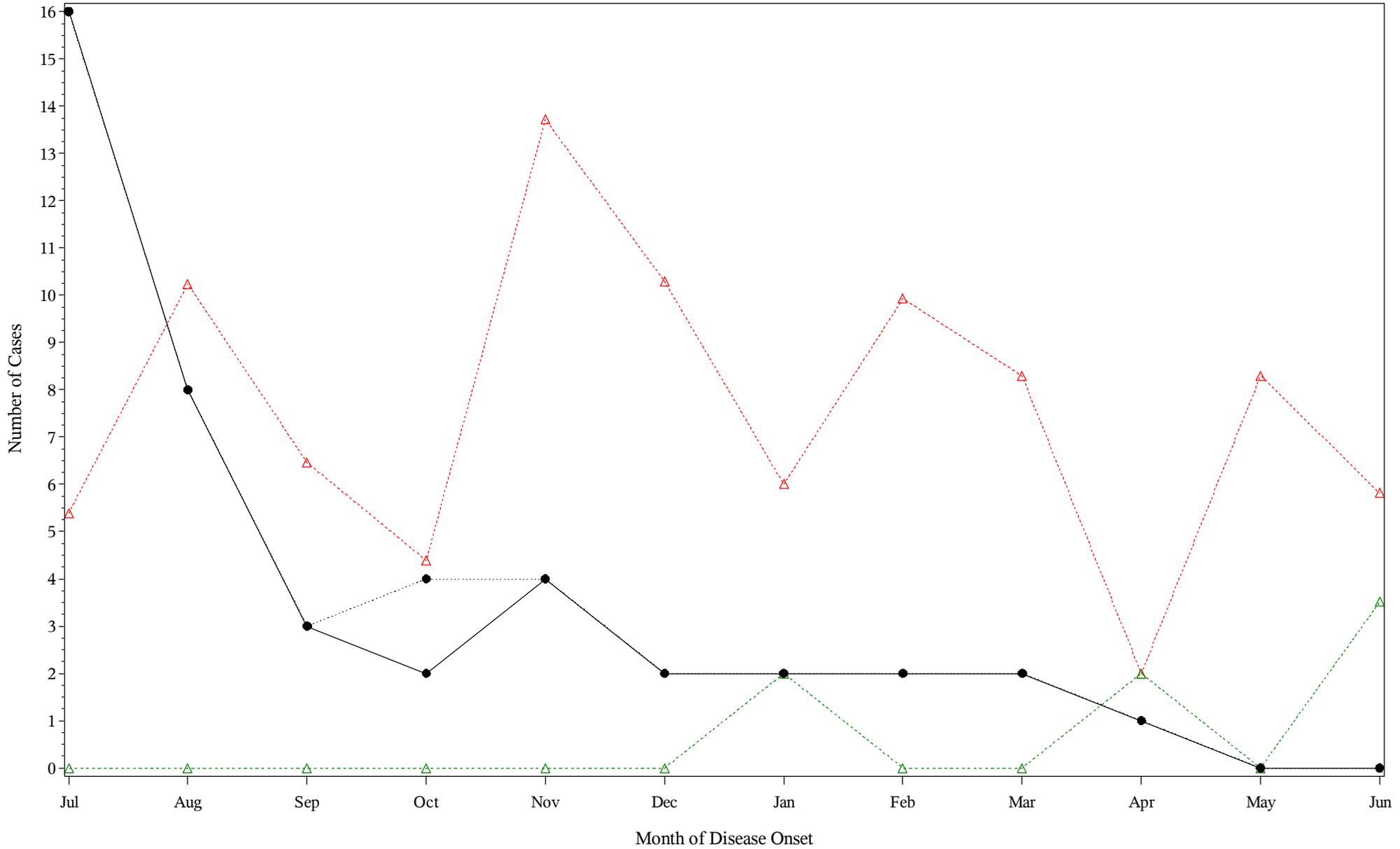


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Pertussis



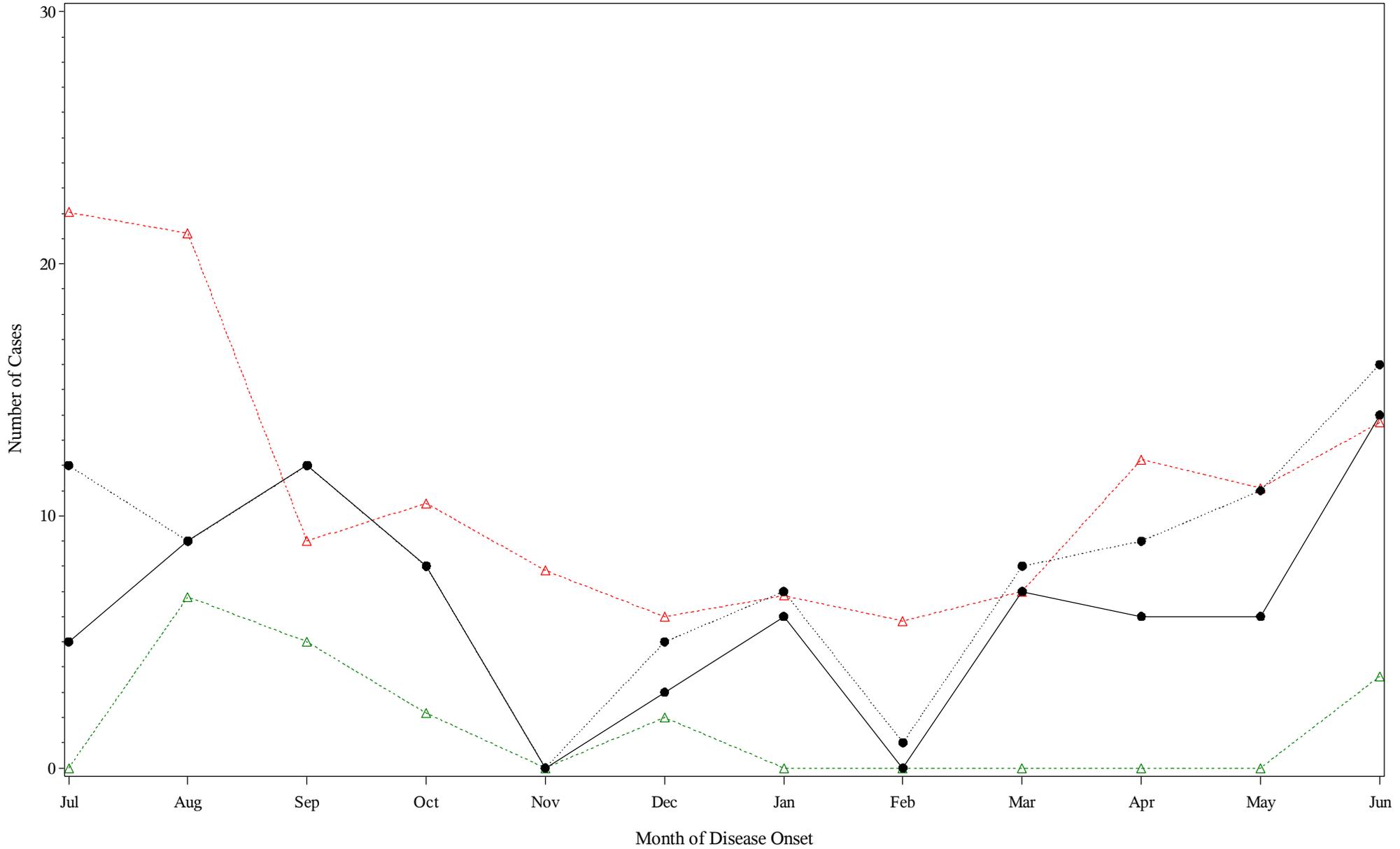
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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Salmonellosis



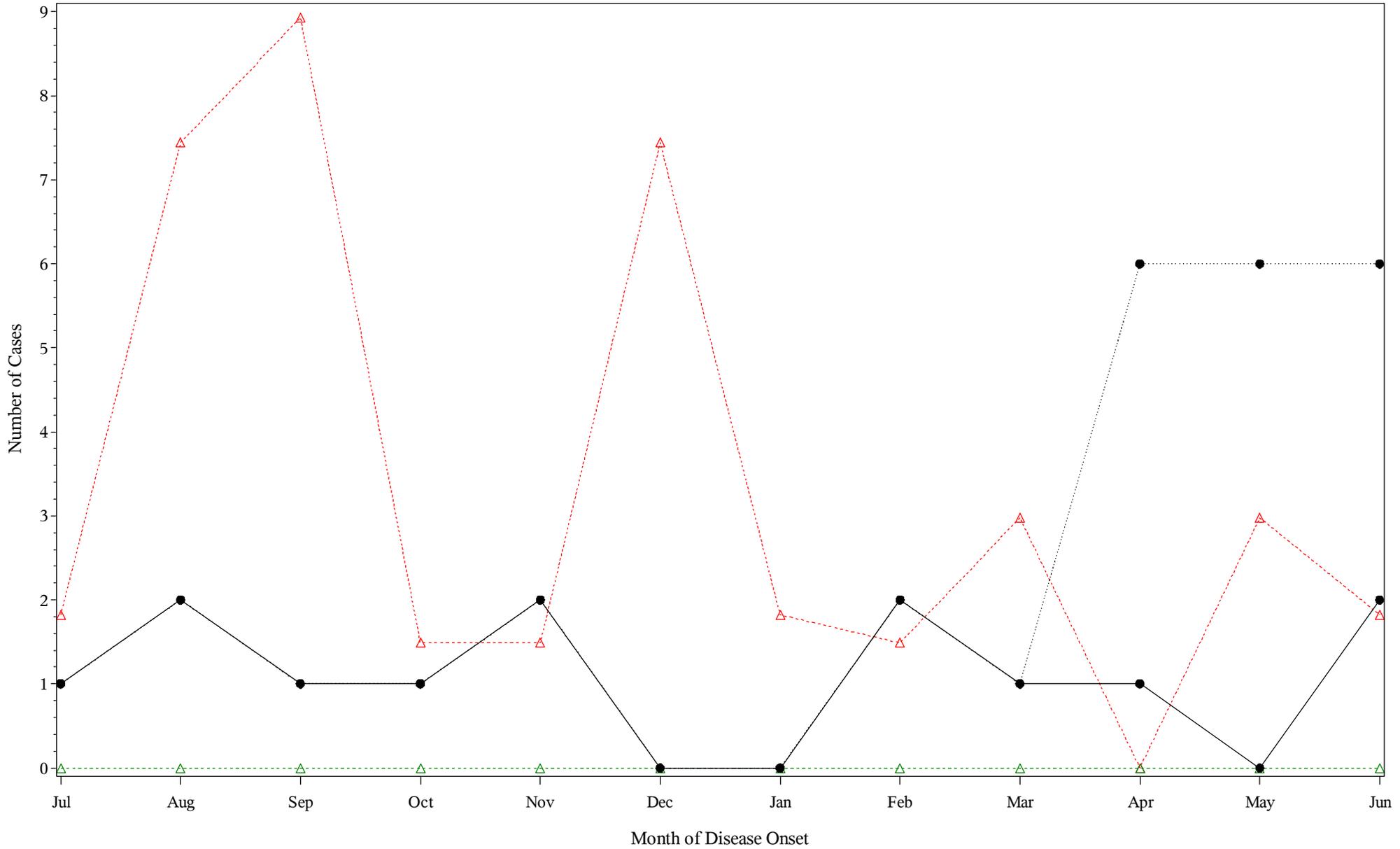
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 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southeast Shigellosis



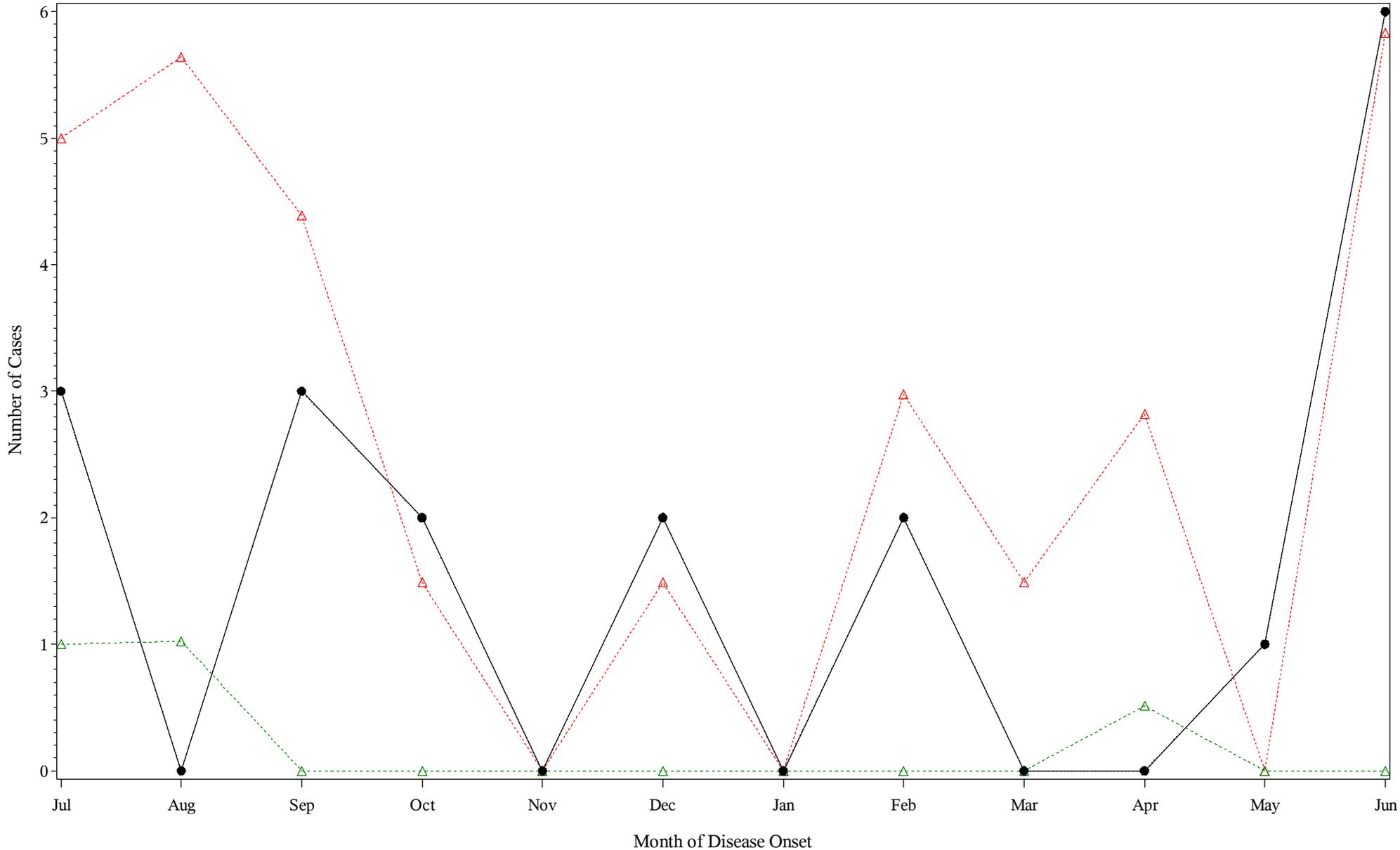
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 Current as of 07/26/2015

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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southeast Shiga Toxin-Producing Escherichia coli

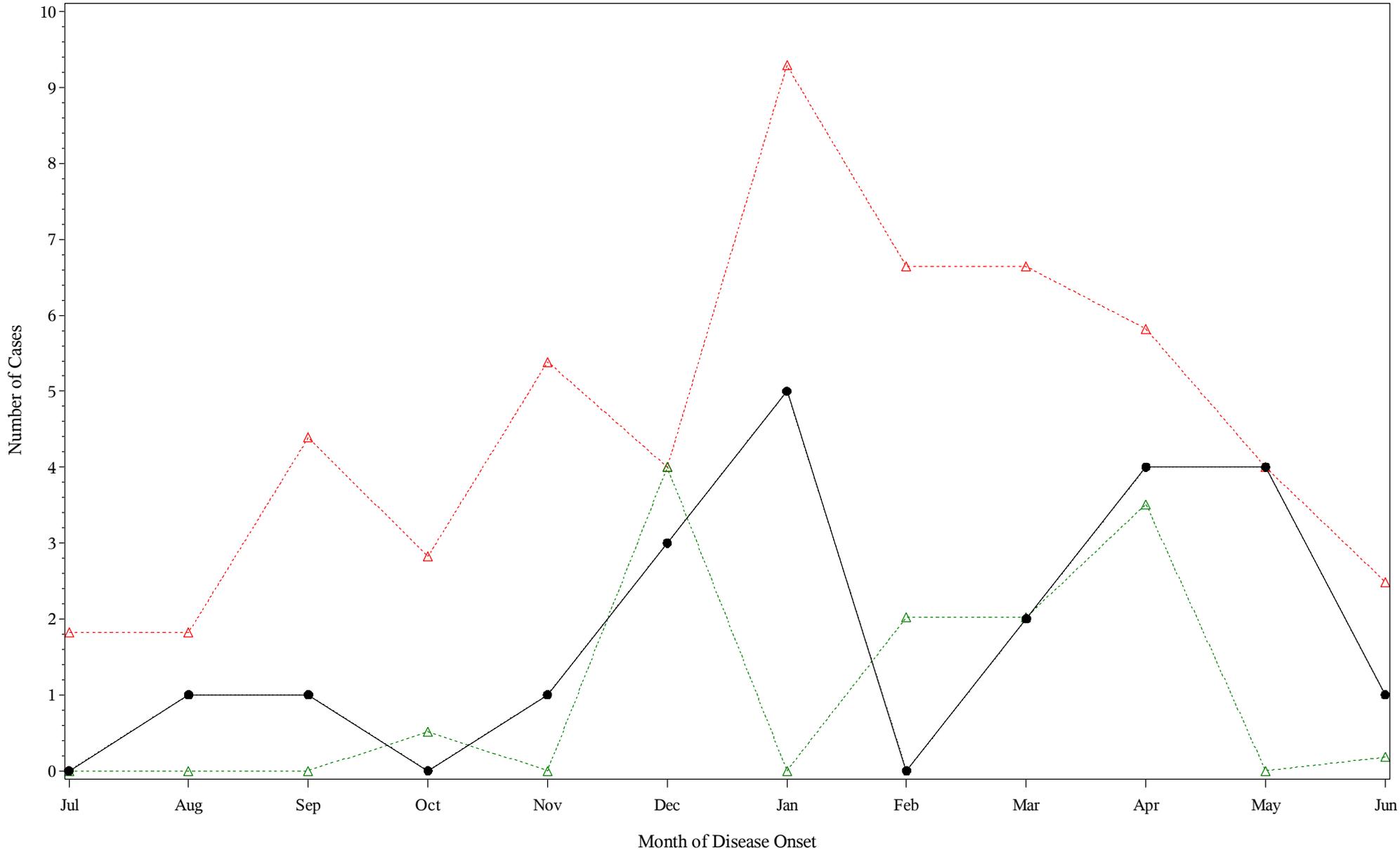


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

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

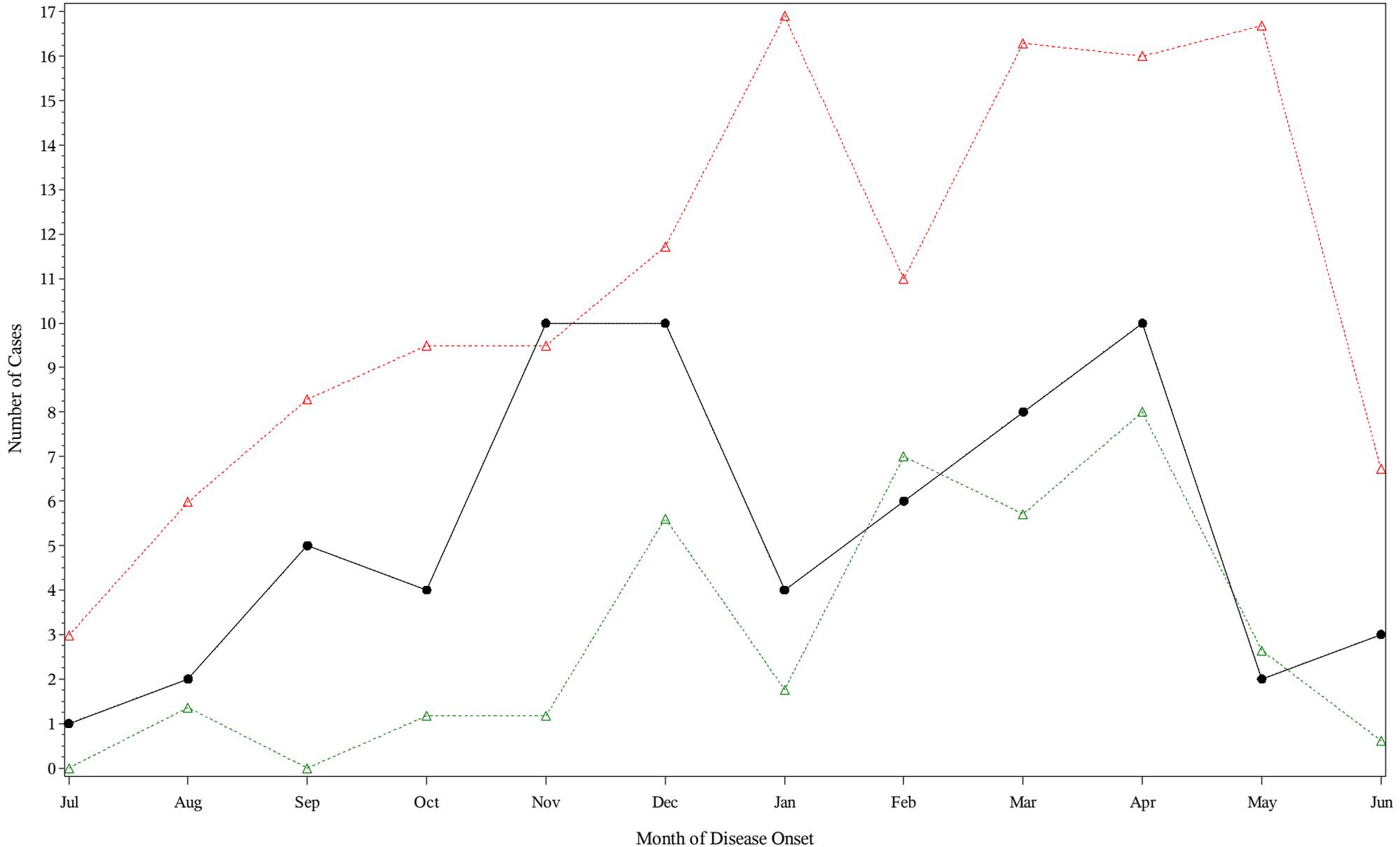


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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southeast      Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

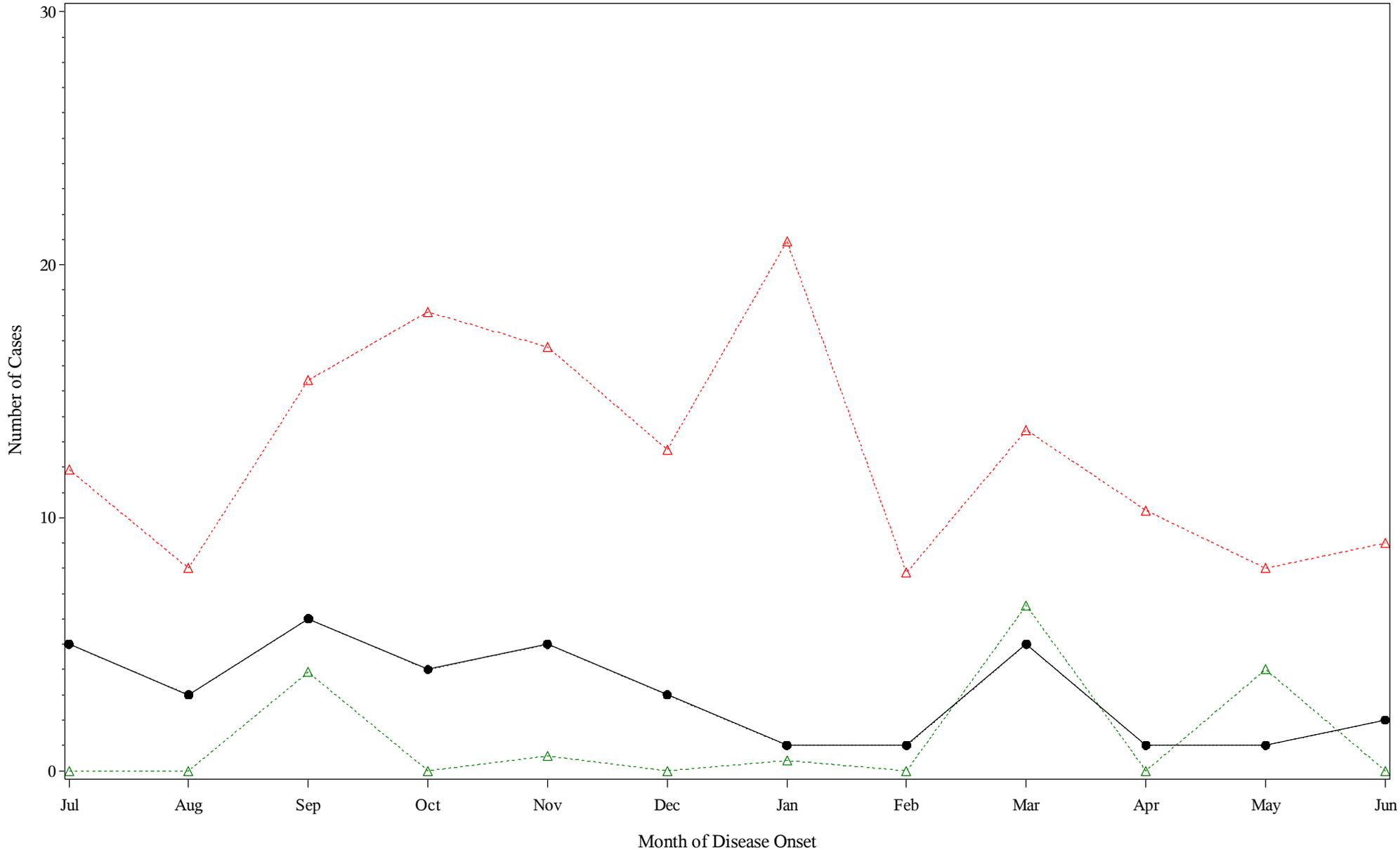


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southeast      Varicella

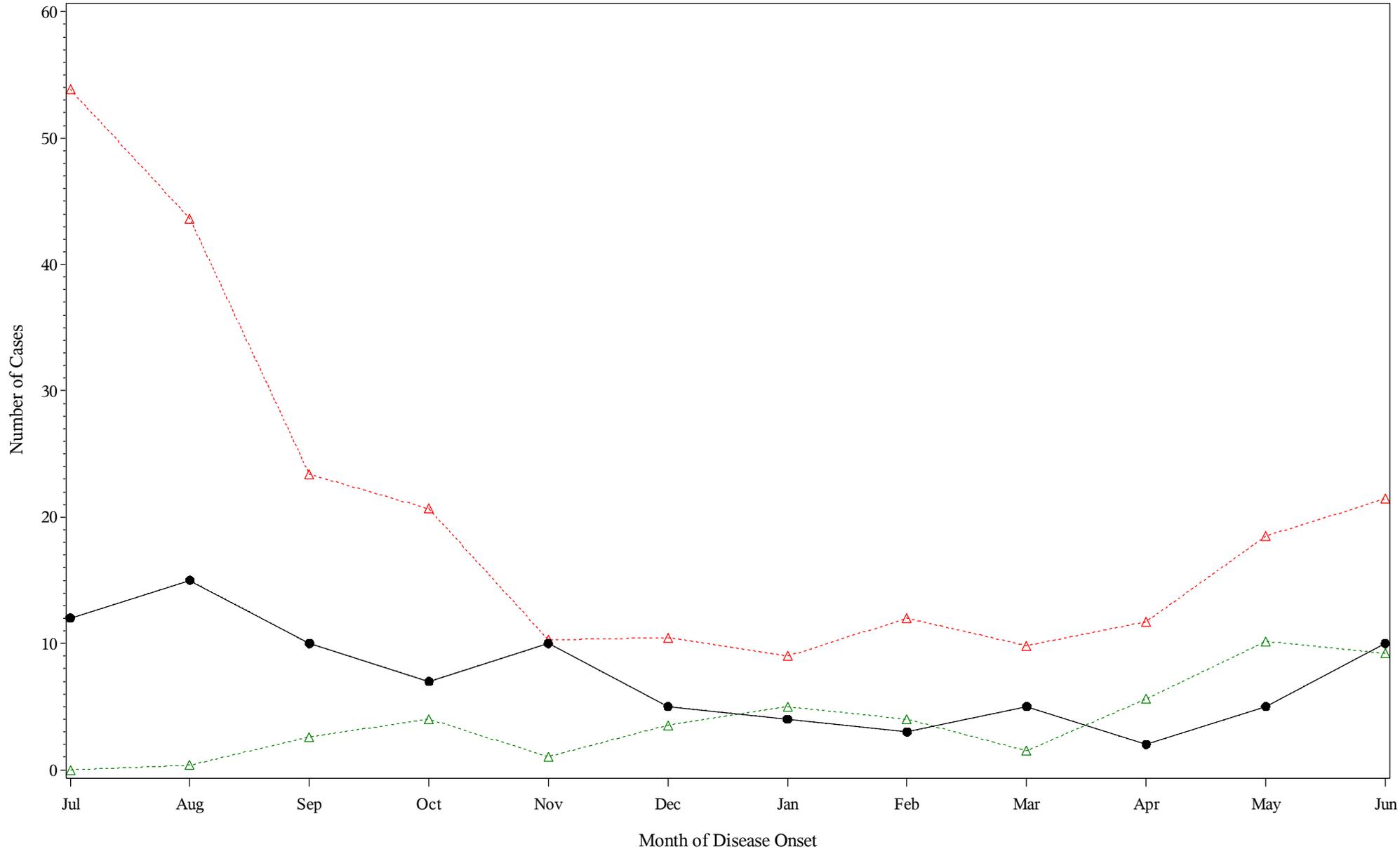


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 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Aseptic Meningitis

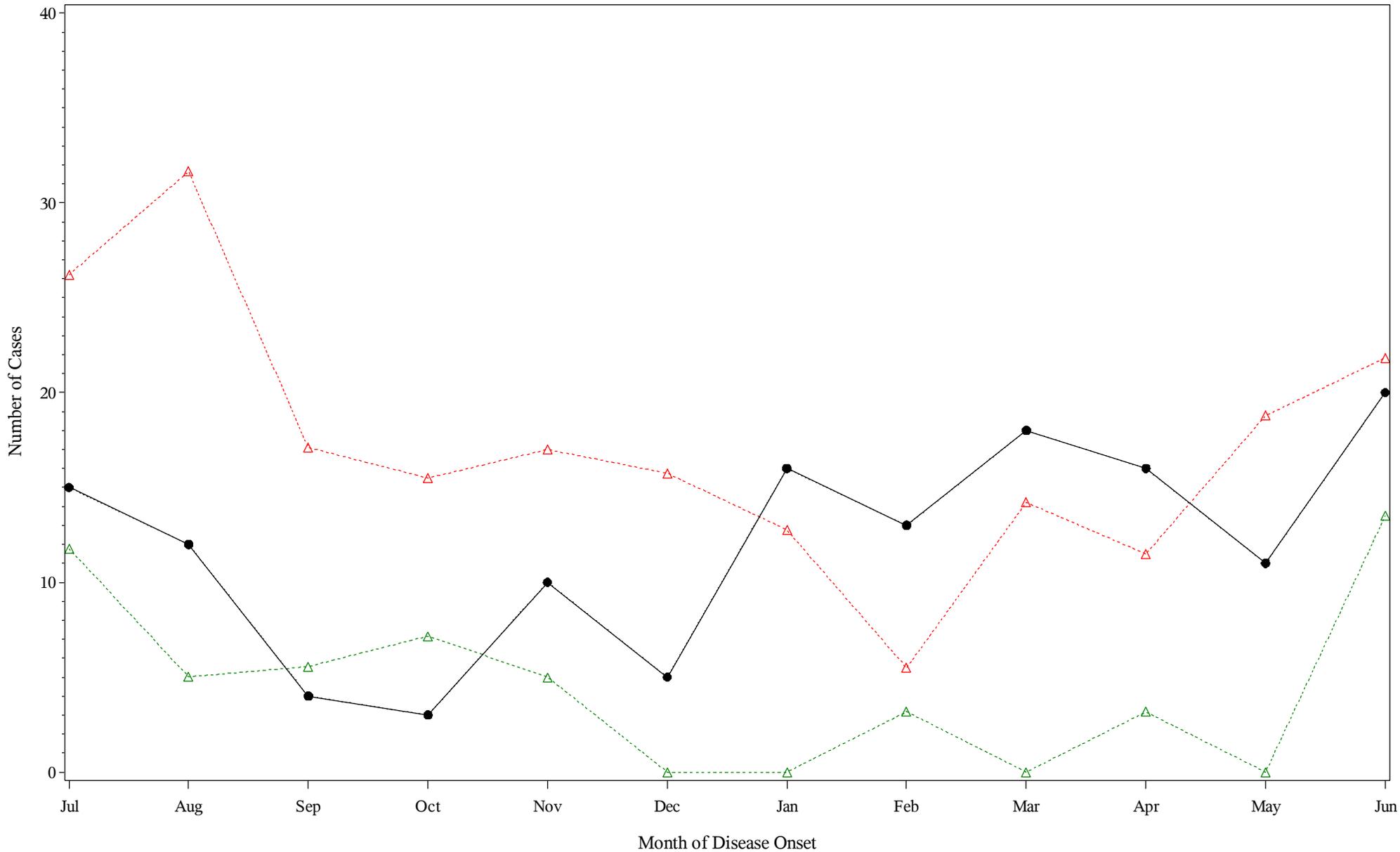


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest      Campylobacteriosis



△ △ △ + 2 Standard Deviations

△ △ △ - 2 Standard Deviations

● ● ● 2014-2015 with Outbreak Cases

● ● ● 2014-2015 without Outbreak Cases

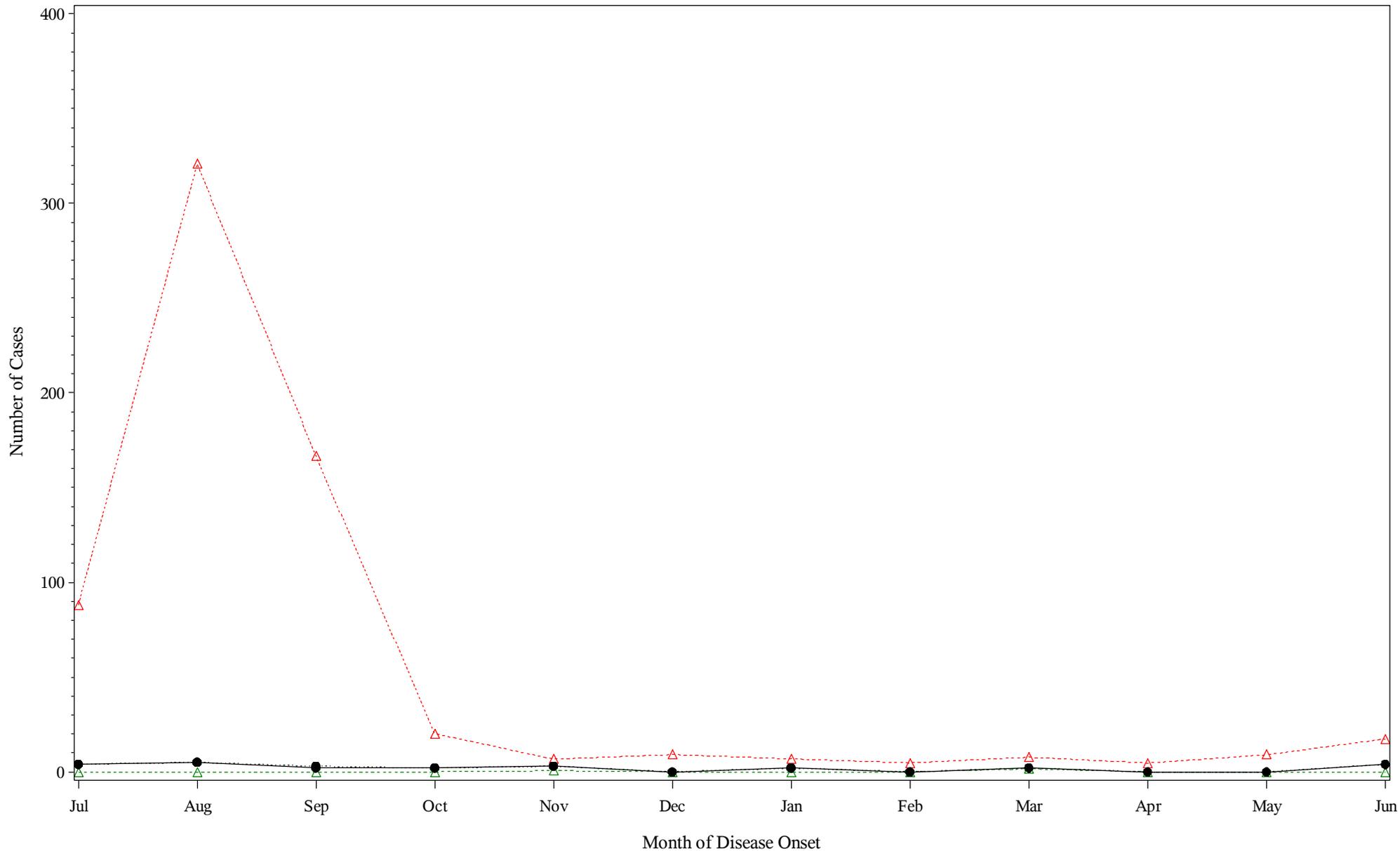
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Cryptosporidiosis

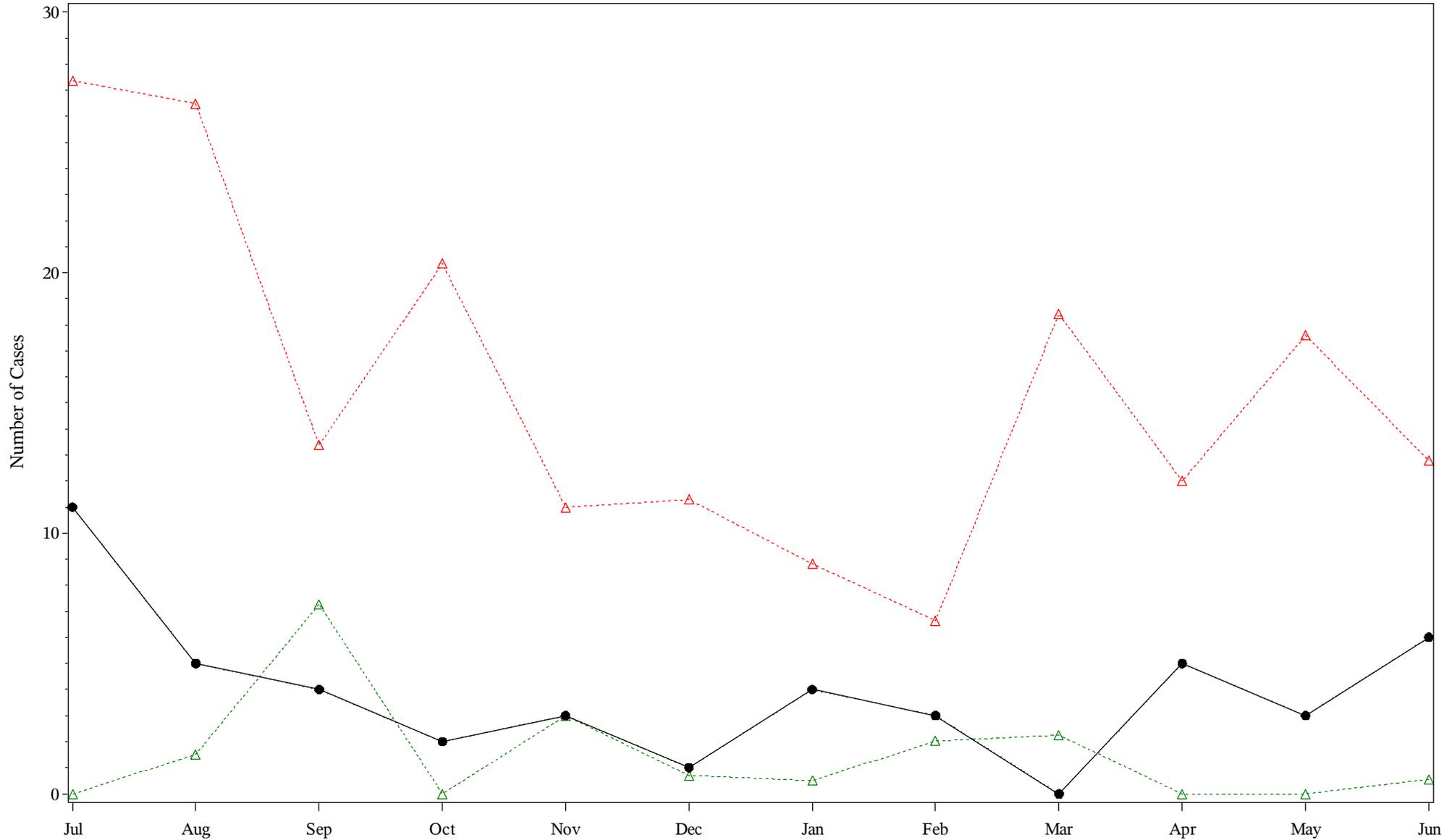


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Current as of 07/26/2015  
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# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest      Giardiasis

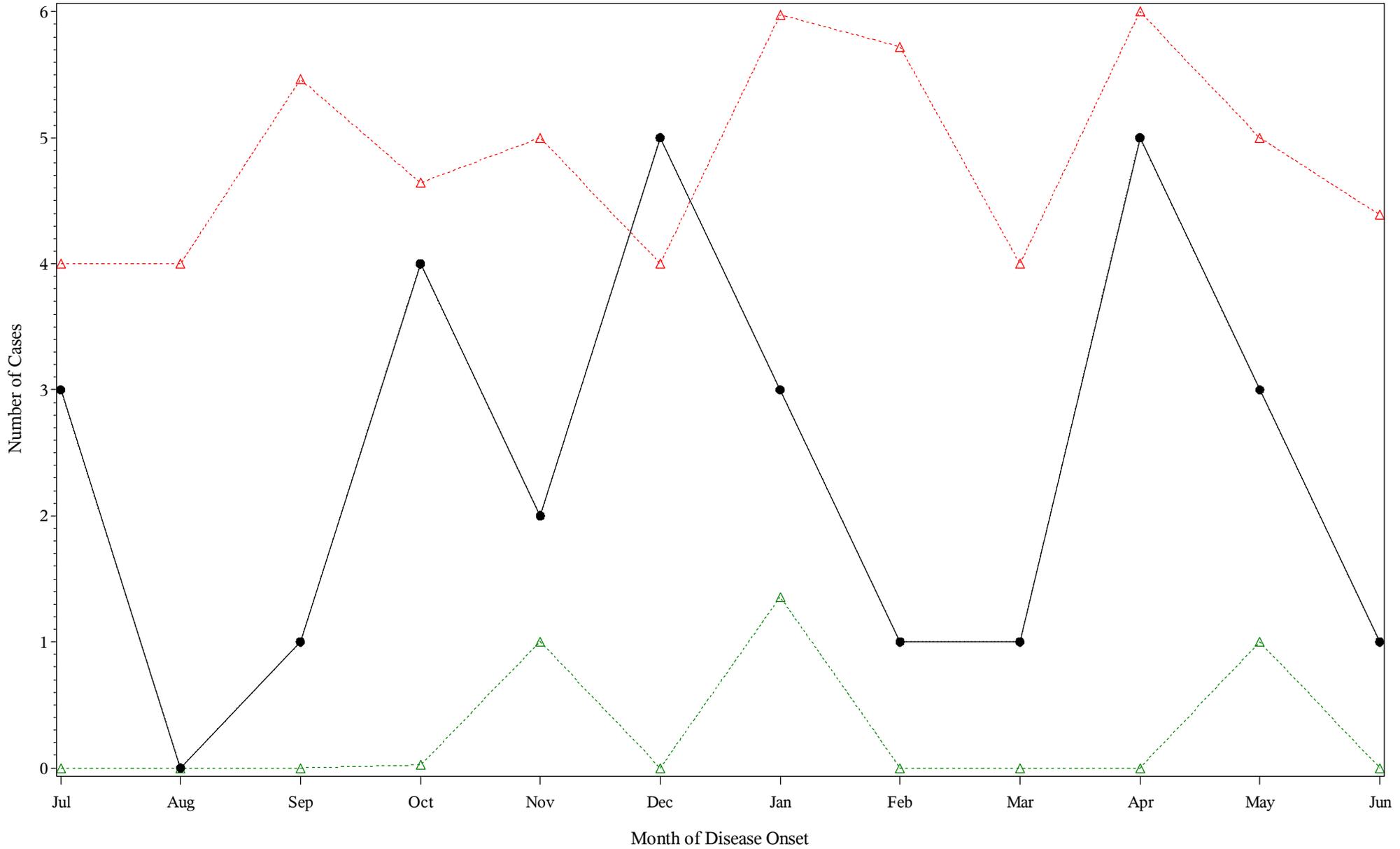


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 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Haemophilus influenzae, Invasive



△ △ △ + 2 Standard Deviations     
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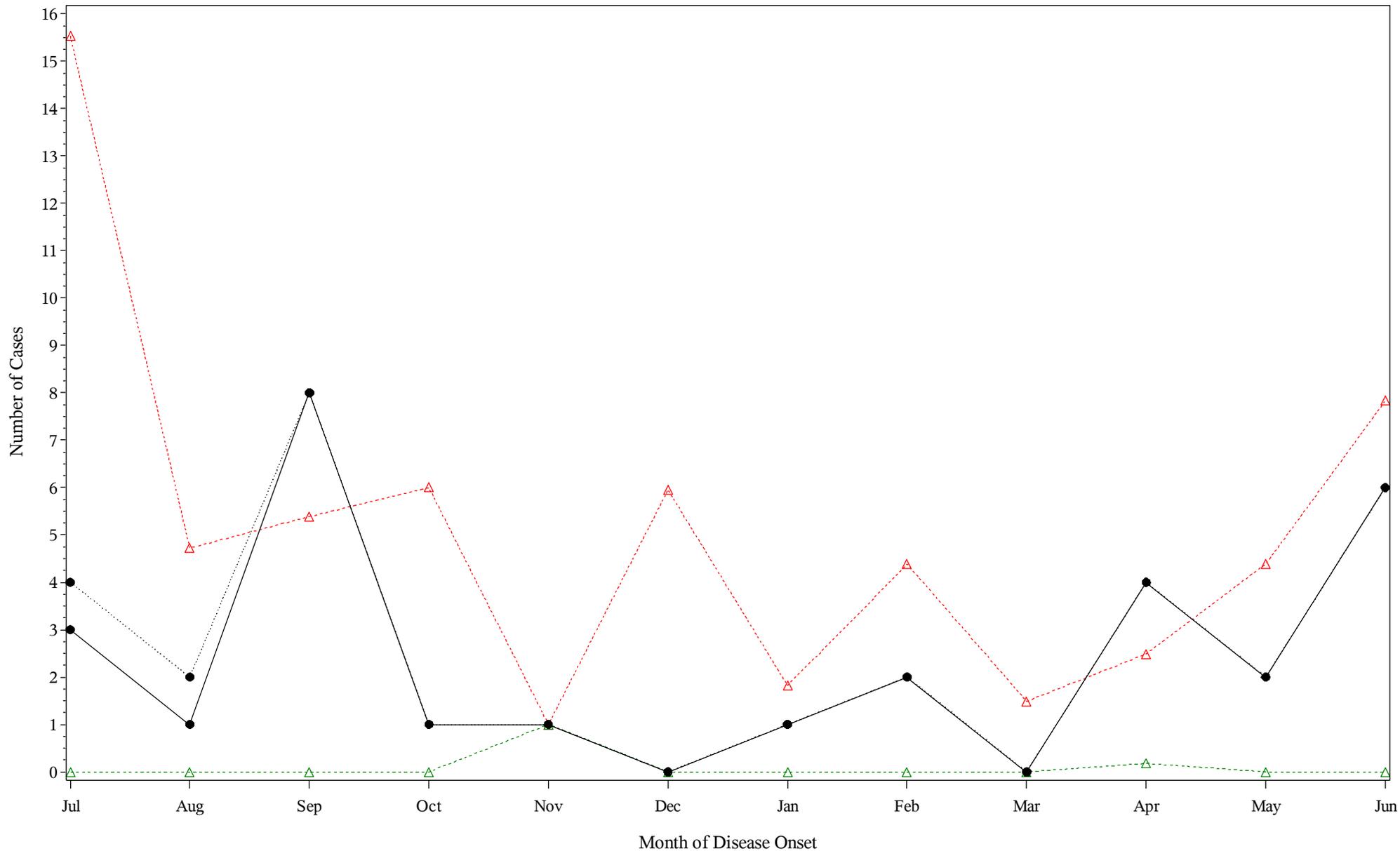
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southwest Legionellosis

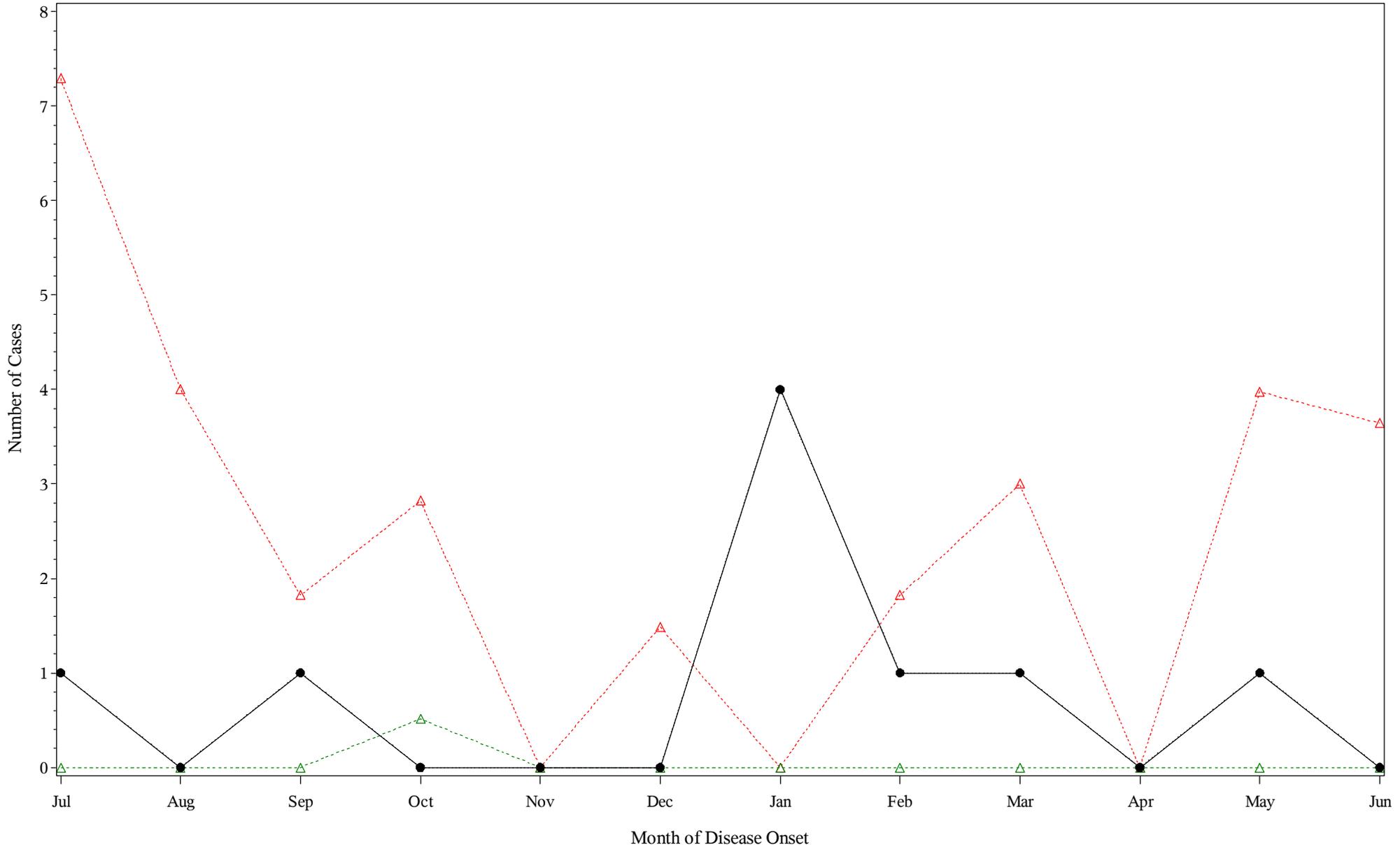


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Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Bacterial Meningitis



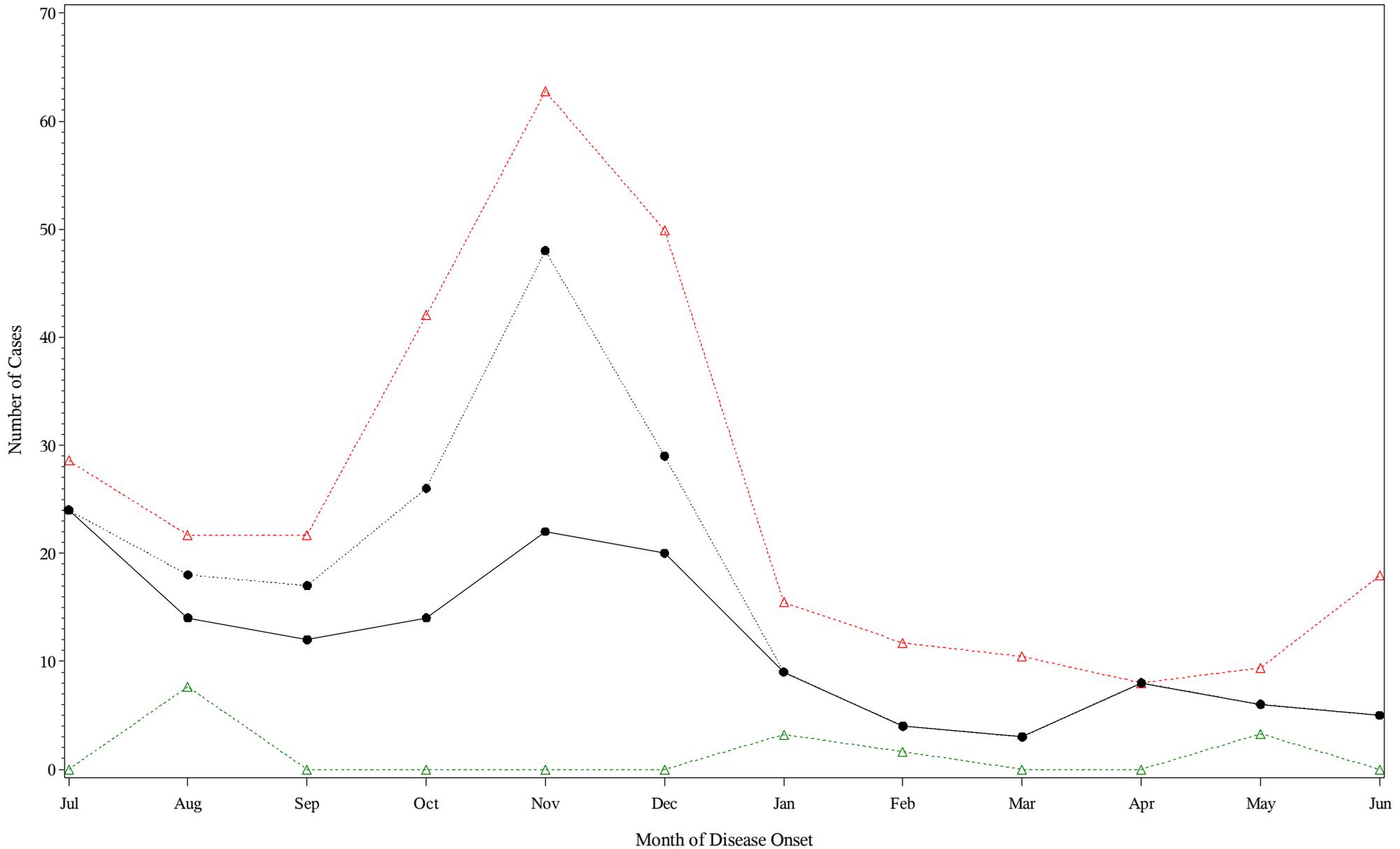
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 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Pertussis



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

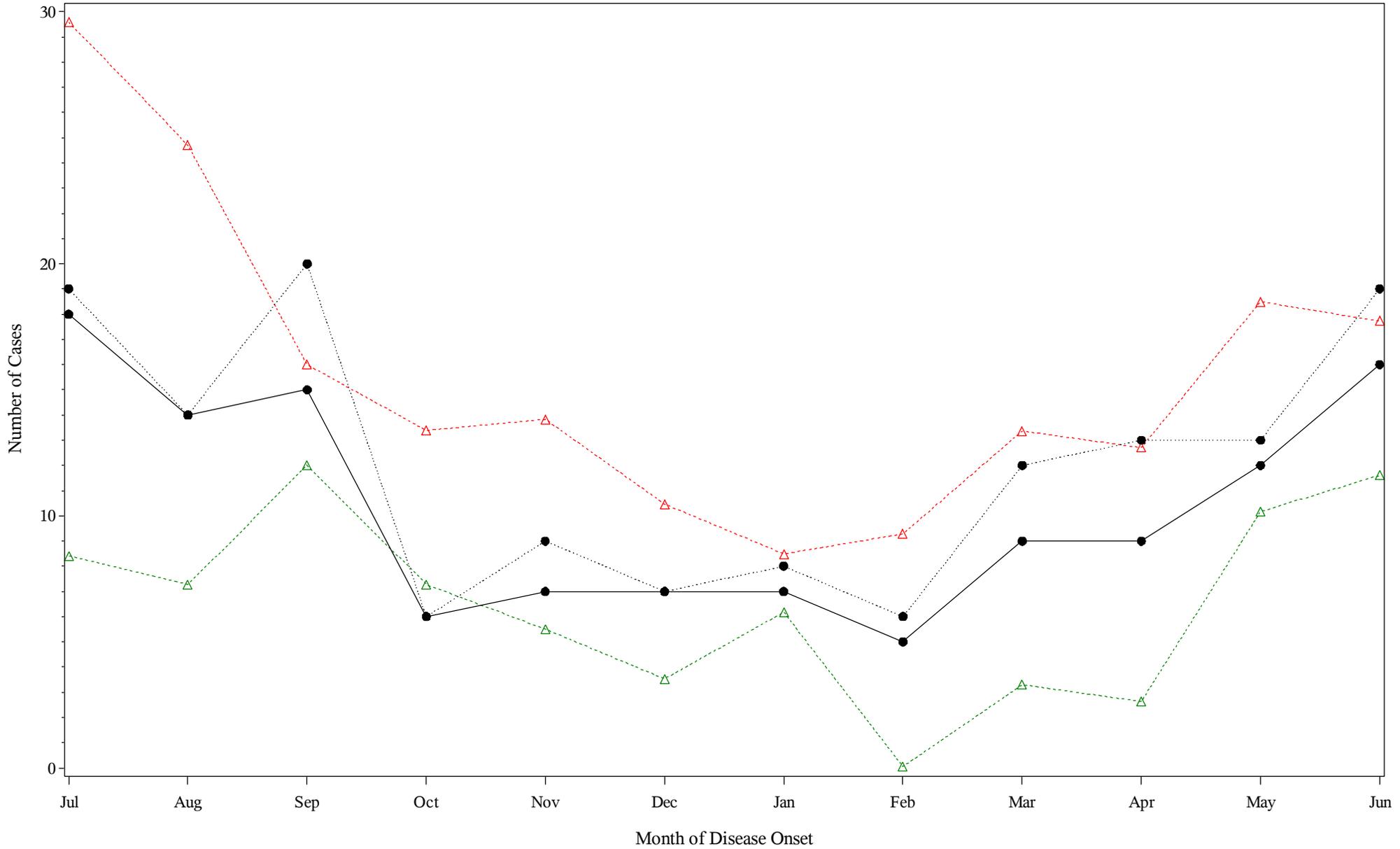
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Salmonellosis



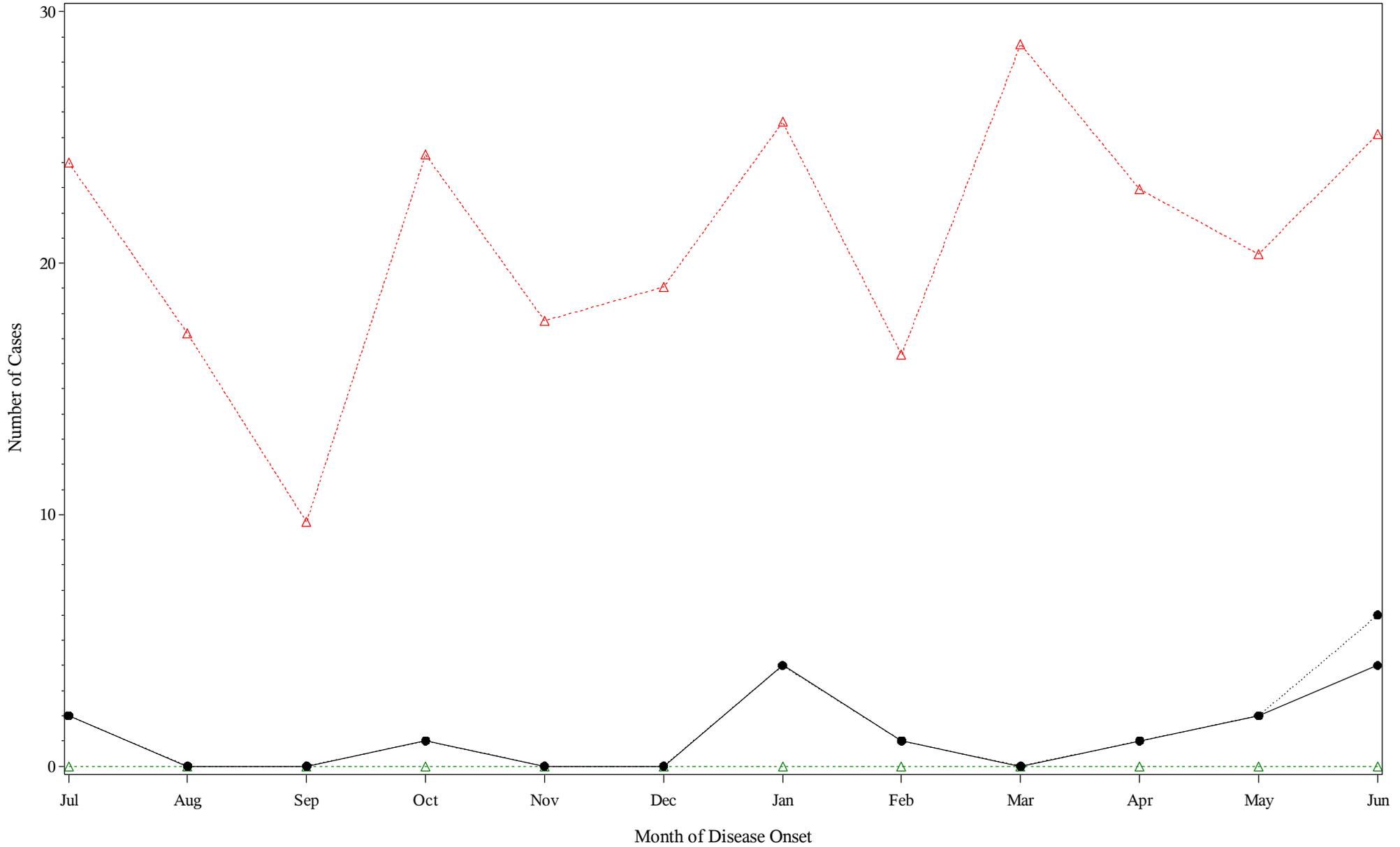
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Shigellosis



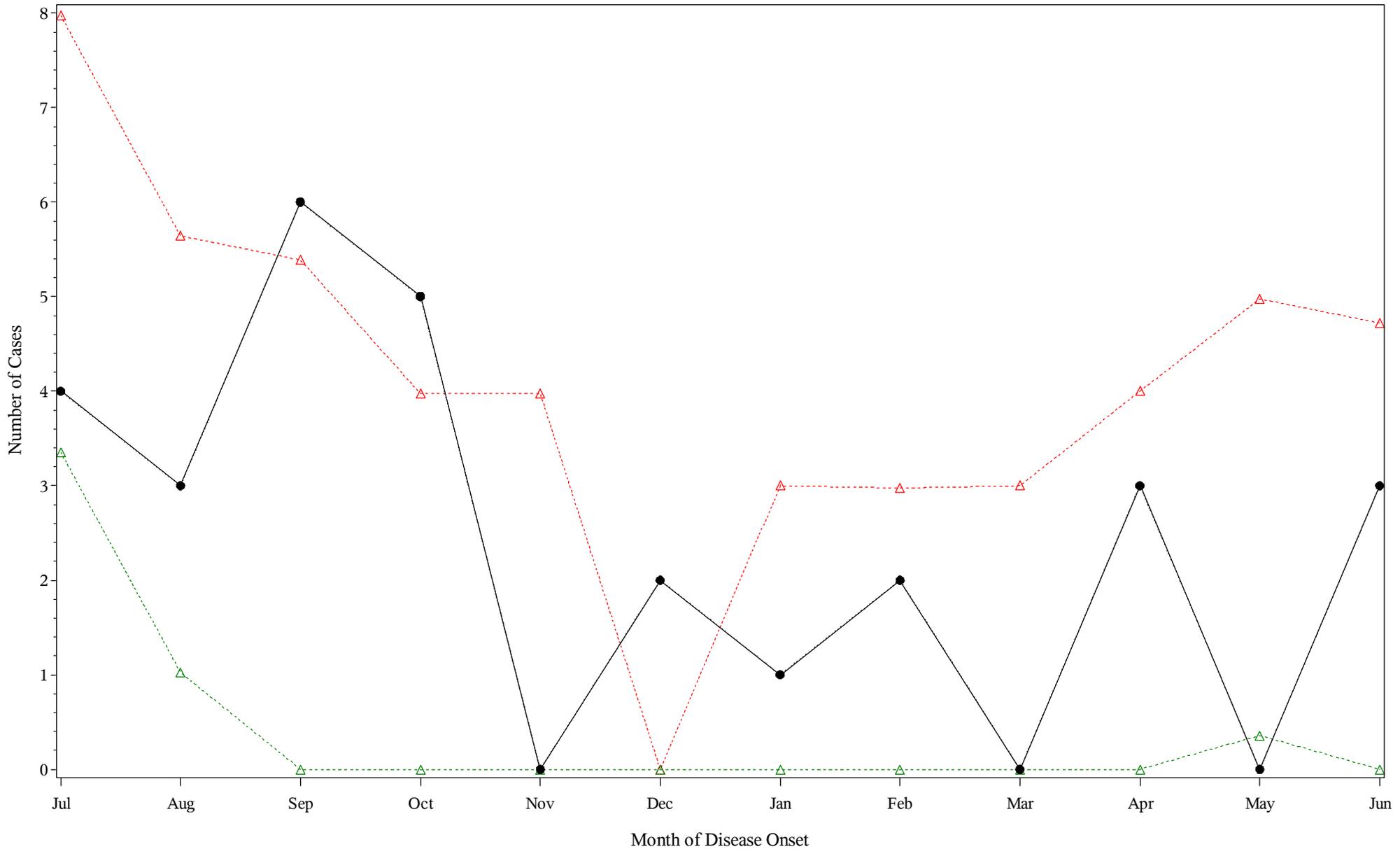
△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Shiga Toxin-Producing Escherichia coli



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

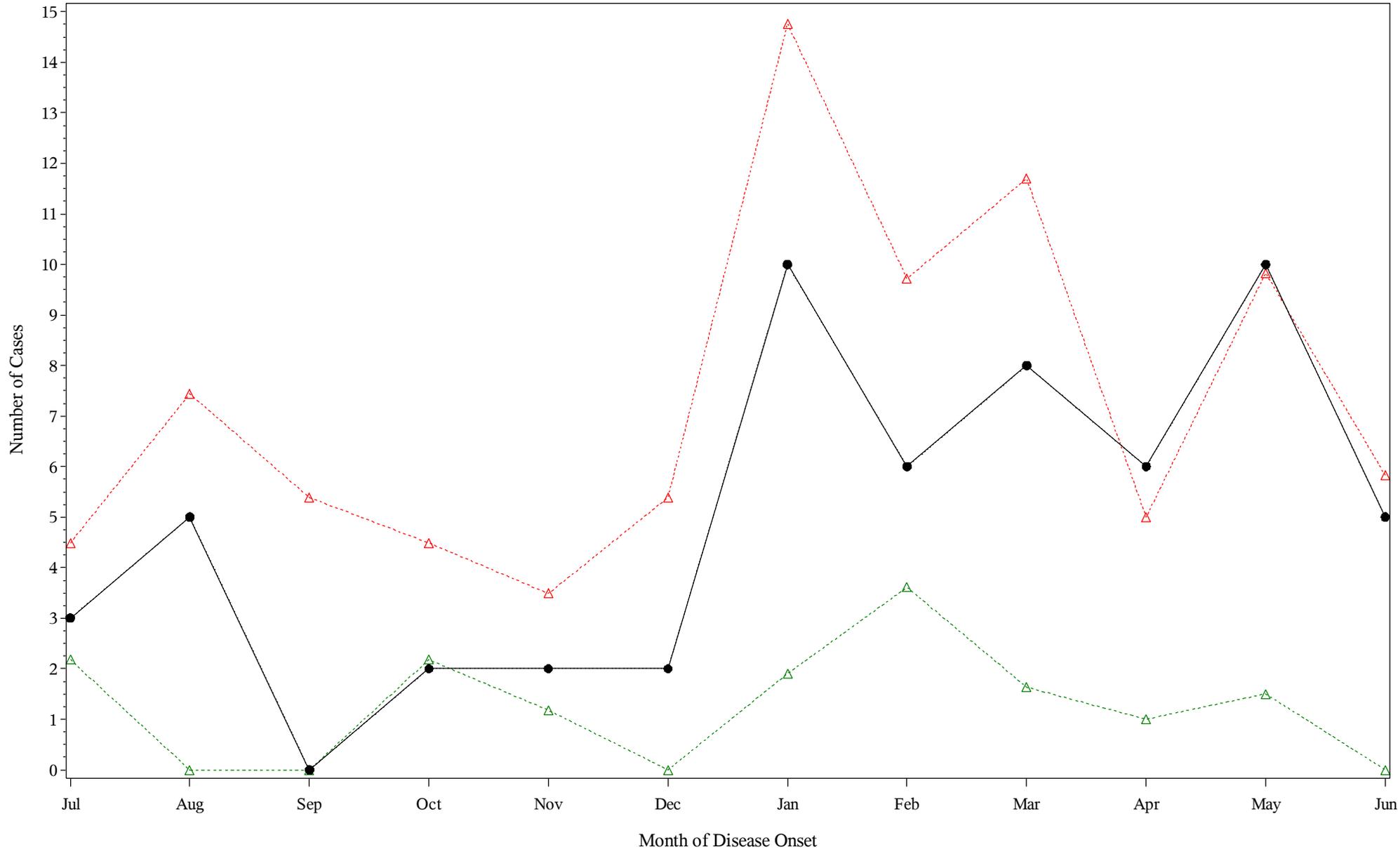
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southwest      Streptococcal Disease, Group A, Invasive

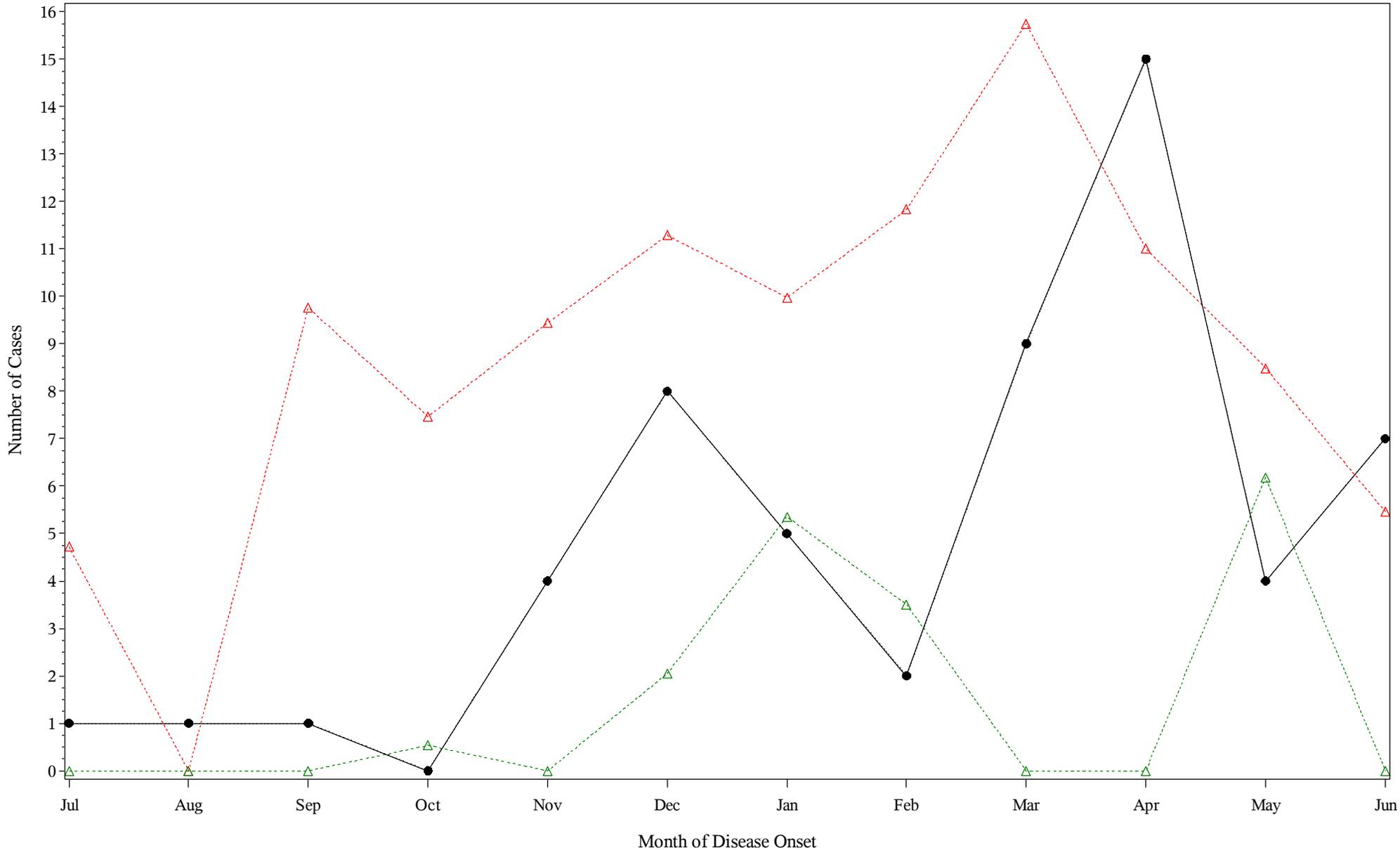


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southwest      Streptococcus pneumoniae, Invasive, Drug Resistant/Intermediate

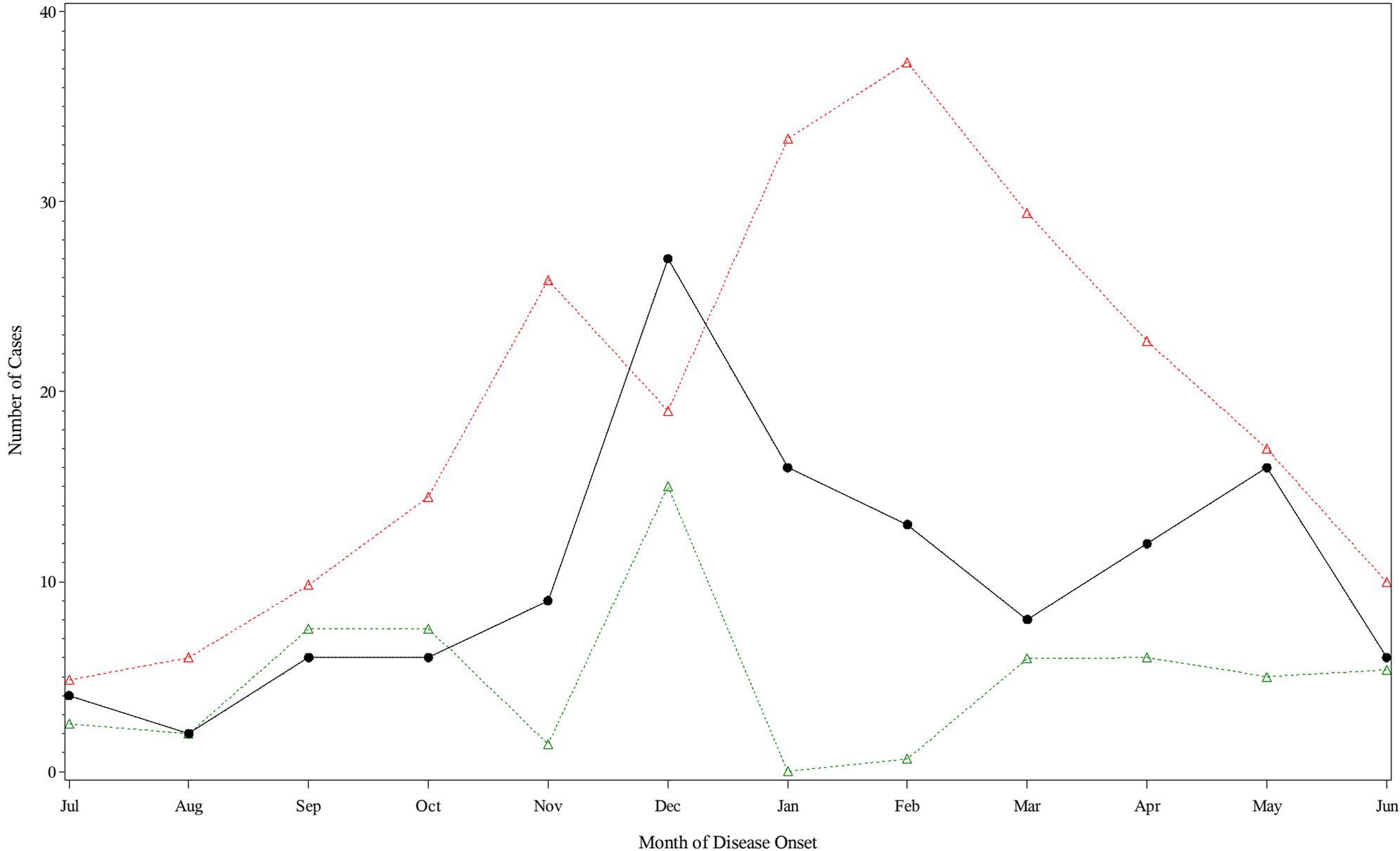


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southwest      Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

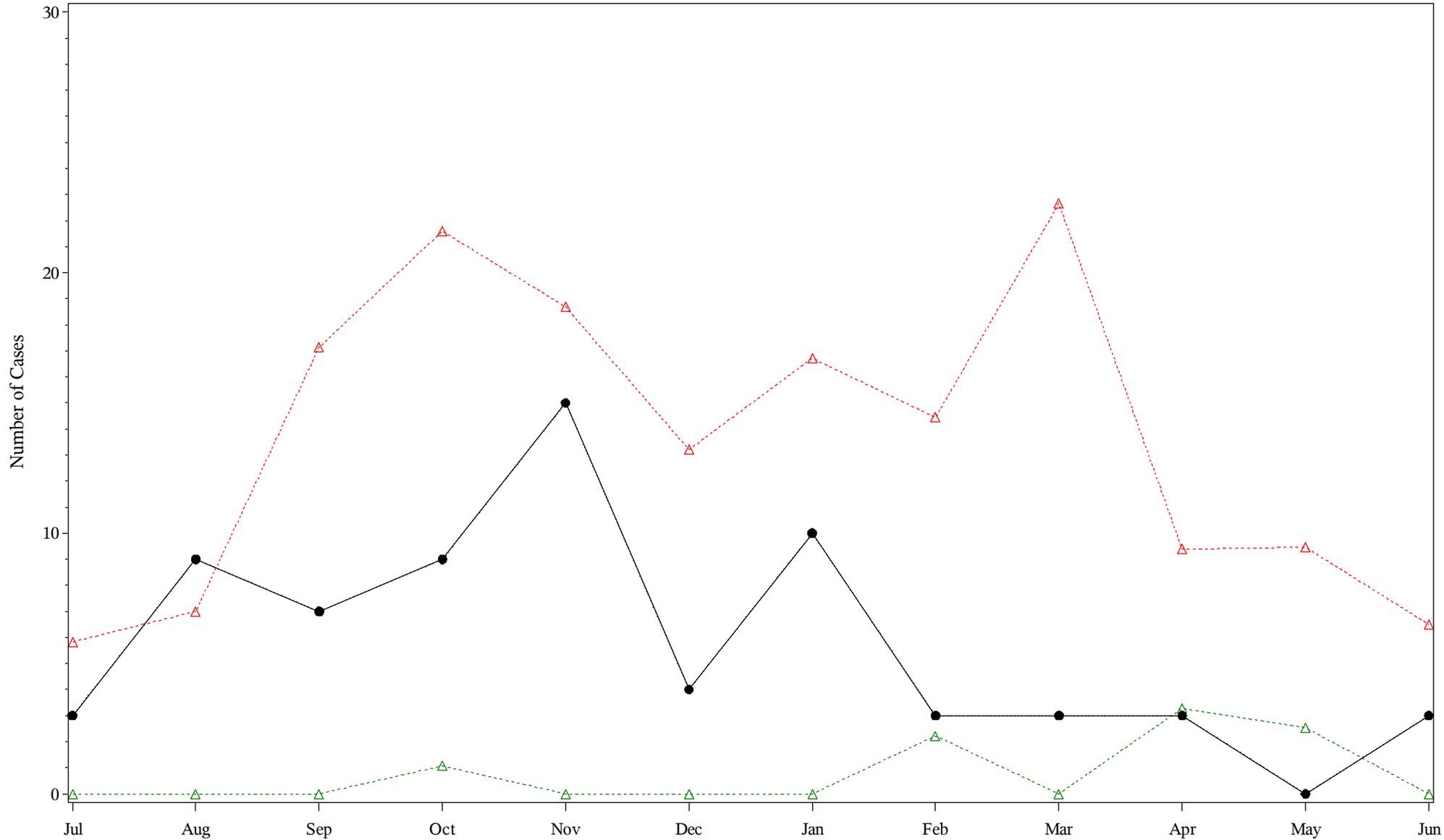


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

Southwest Varicella

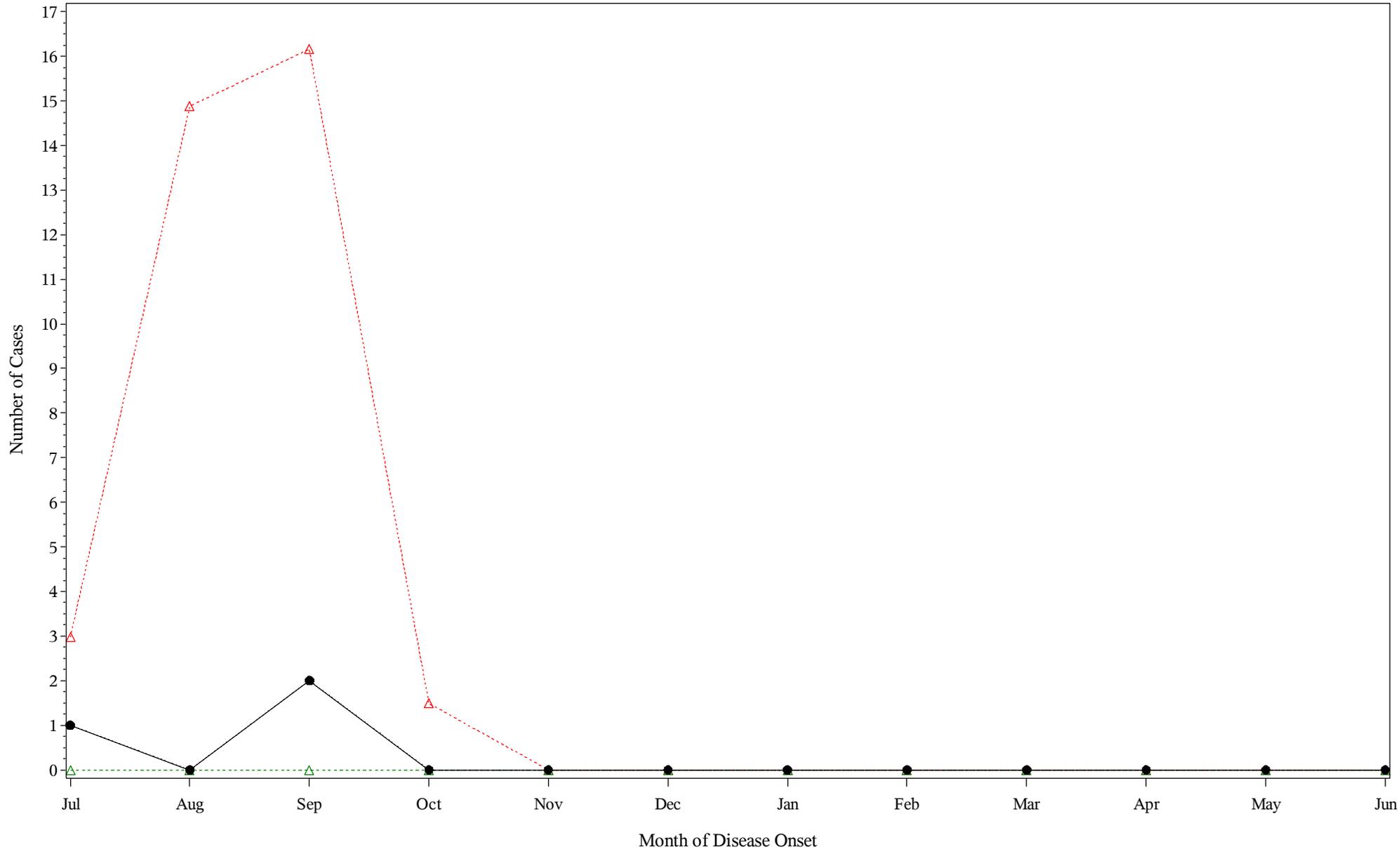


△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## Southwest West Nile Virus Disease

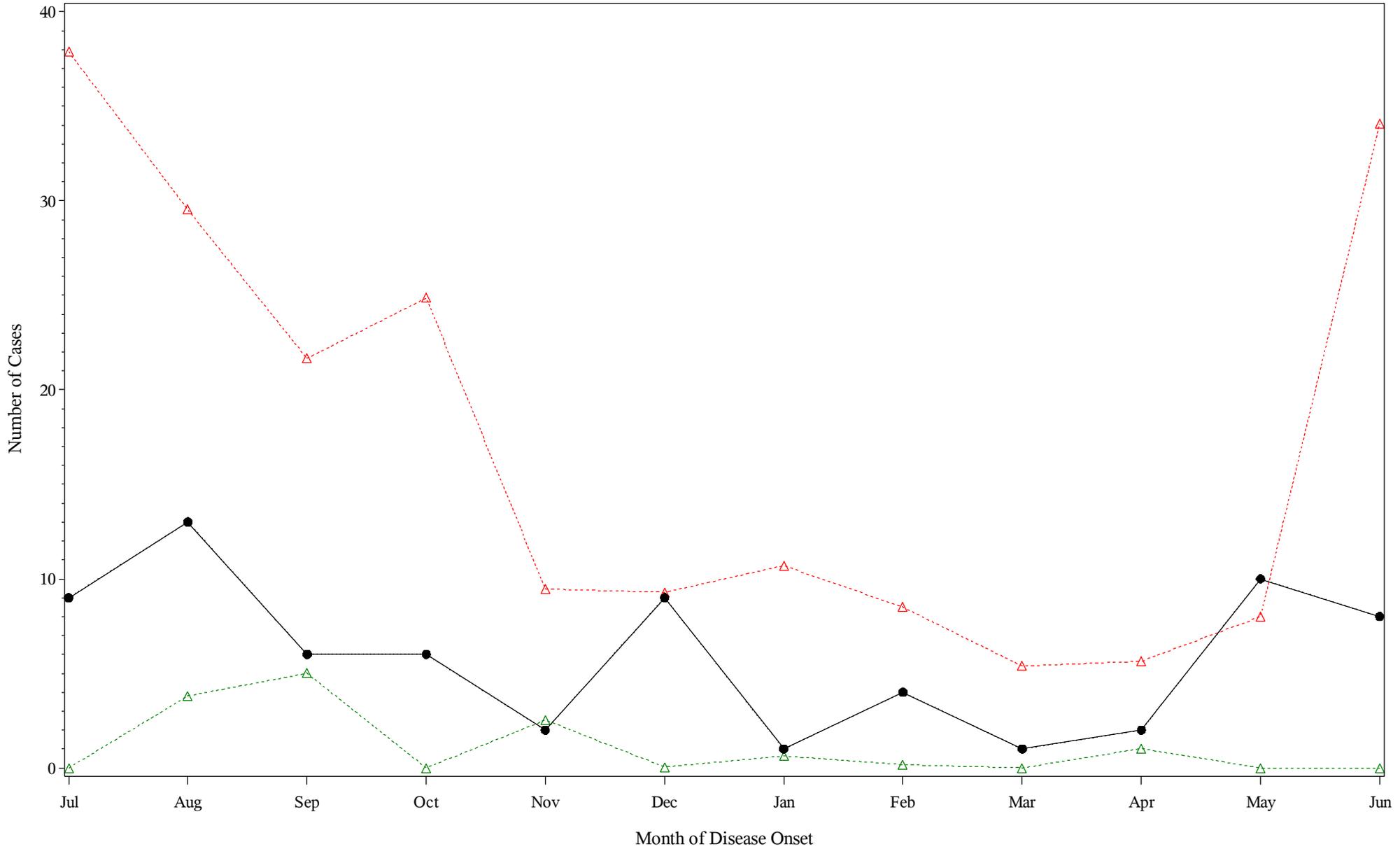


△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central      Aseptic Meningitis



△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
 ● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

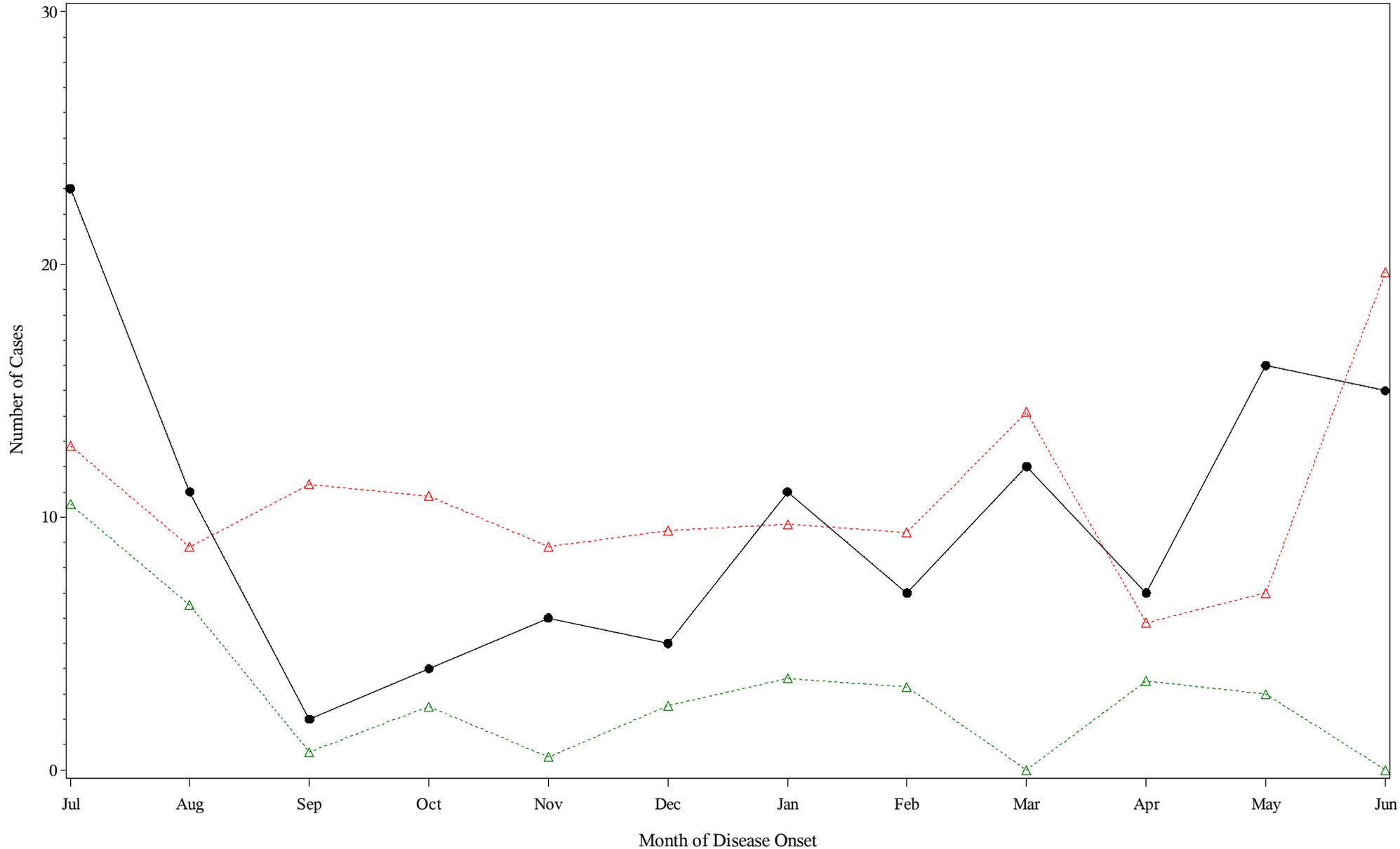
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Campylobacteriosis

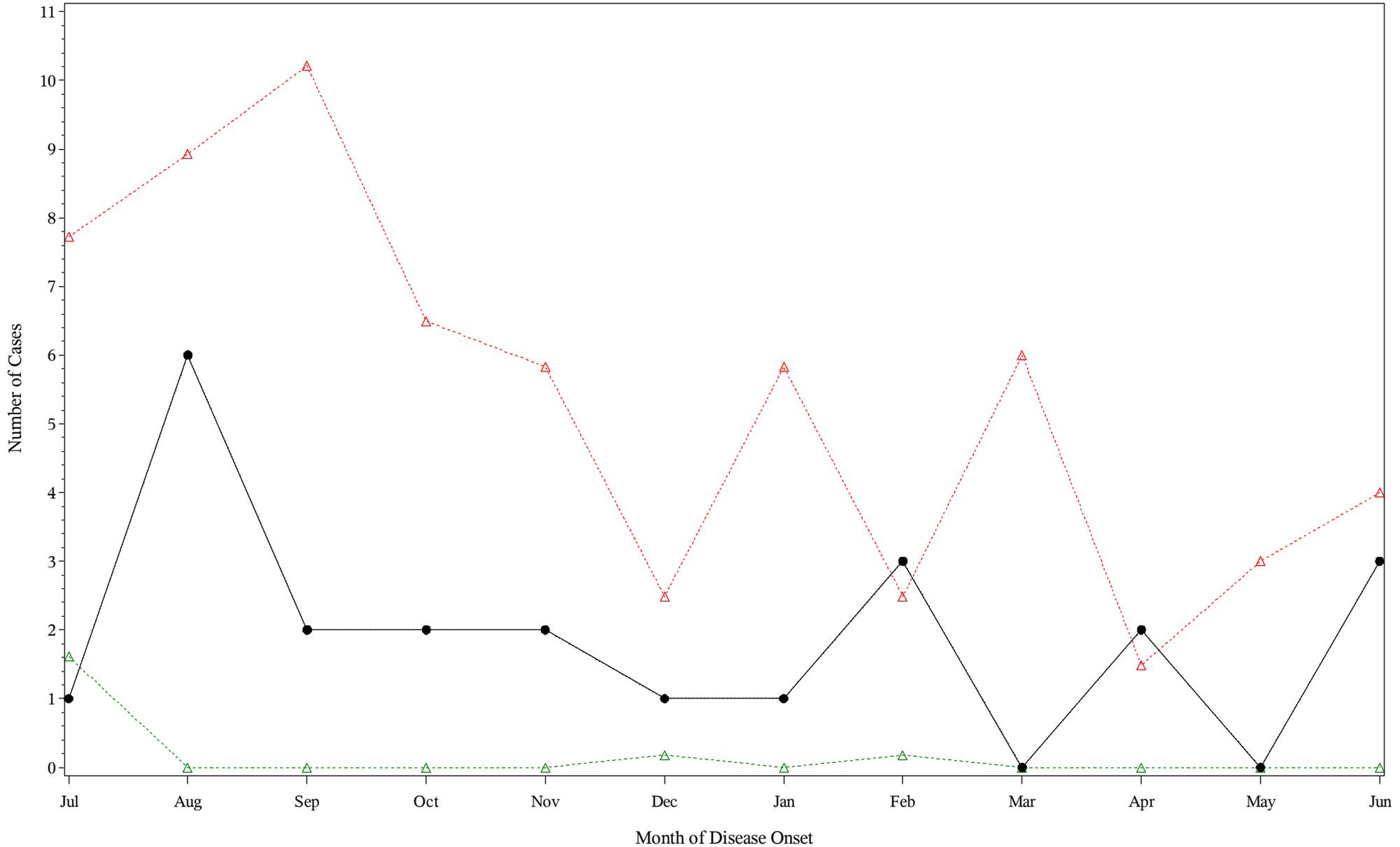


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central Cryptosporidiosis



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

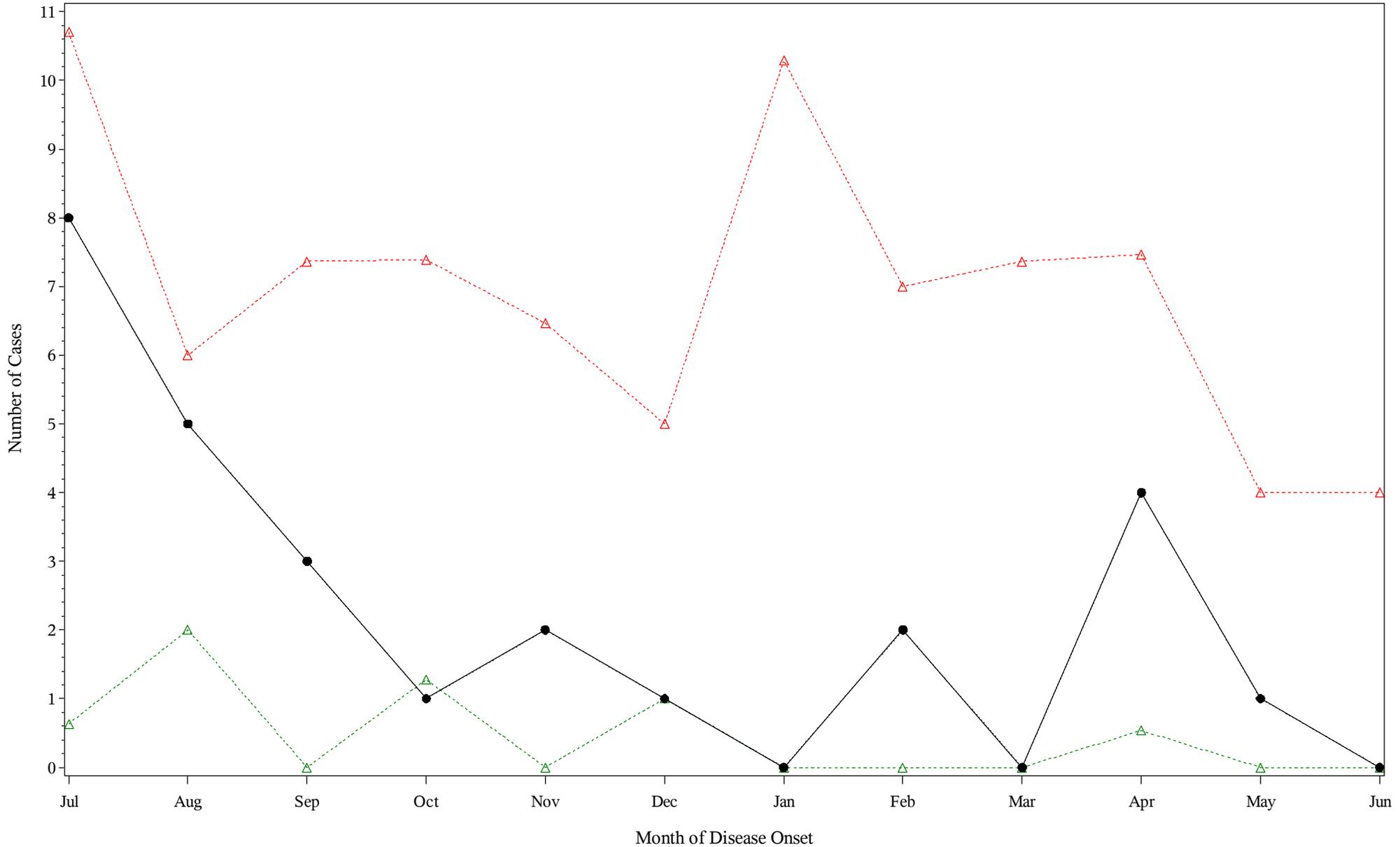
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Giardiasis



△ △ △ + 2 Standard Deviations  
 ● ● ● 2014-2015 with Outbreak Cases

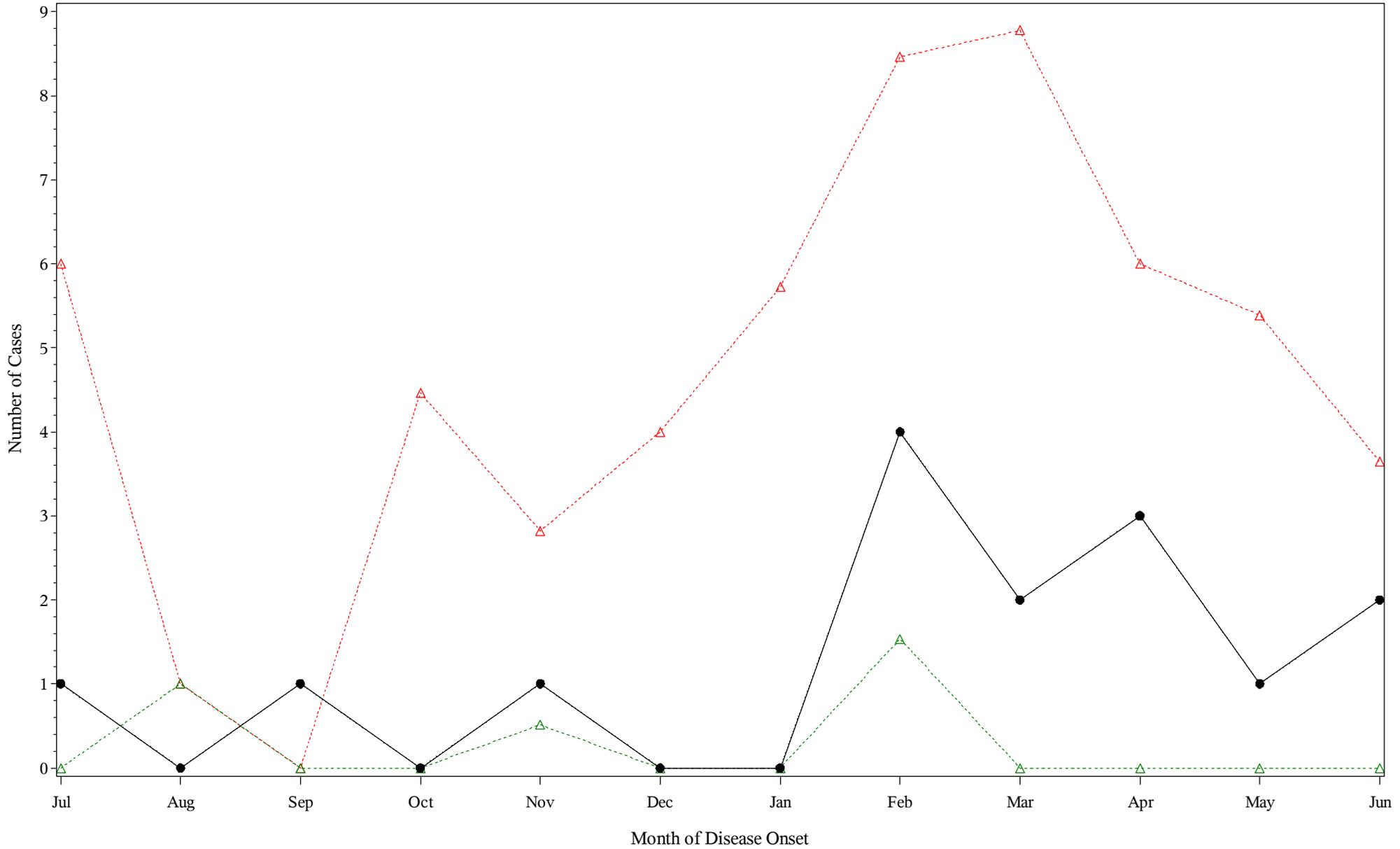
△ △ △ - 2 Standard Deviations  
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central Haemophilus influenzae, Invasive



△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

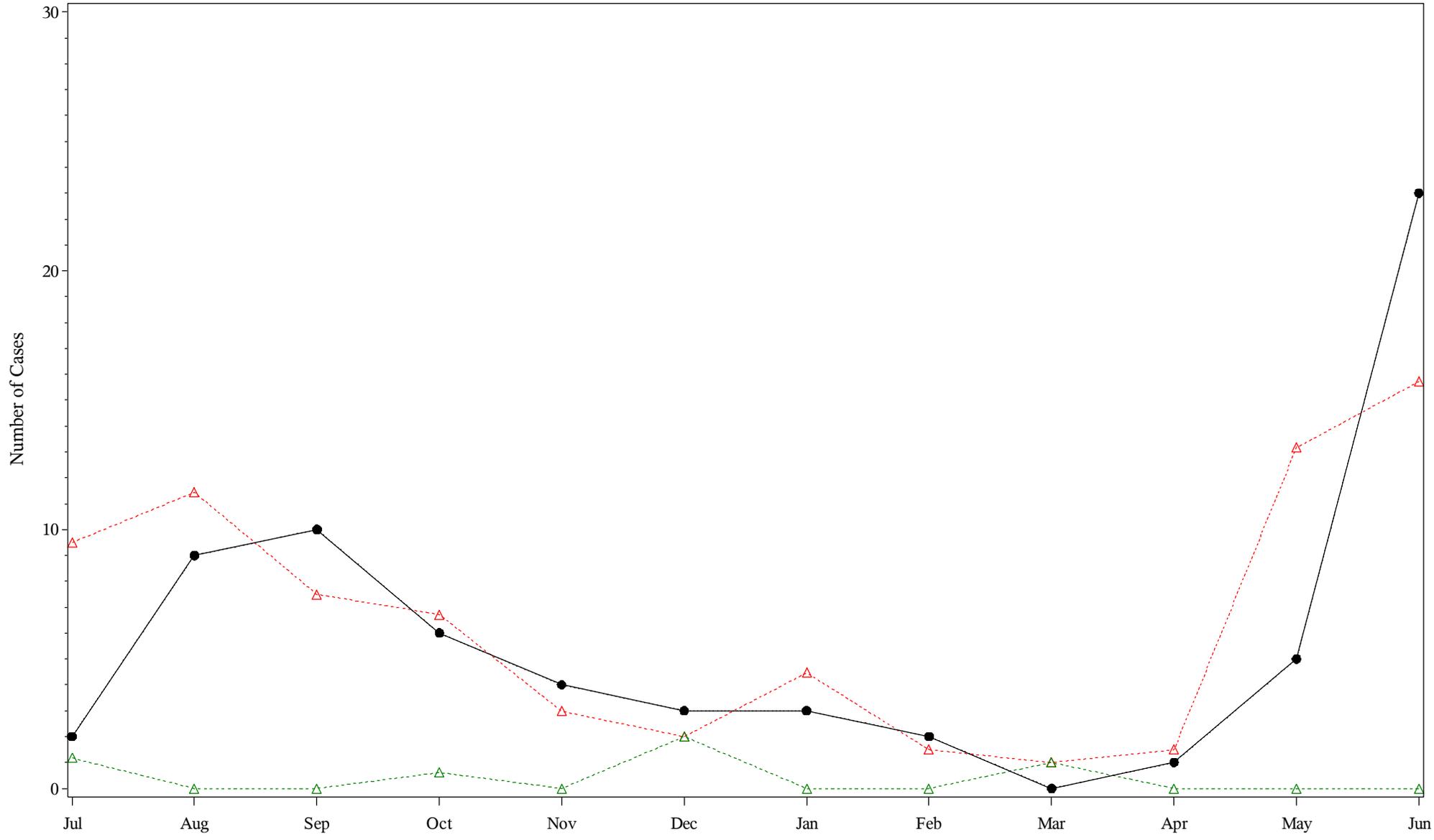
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Legionellosis

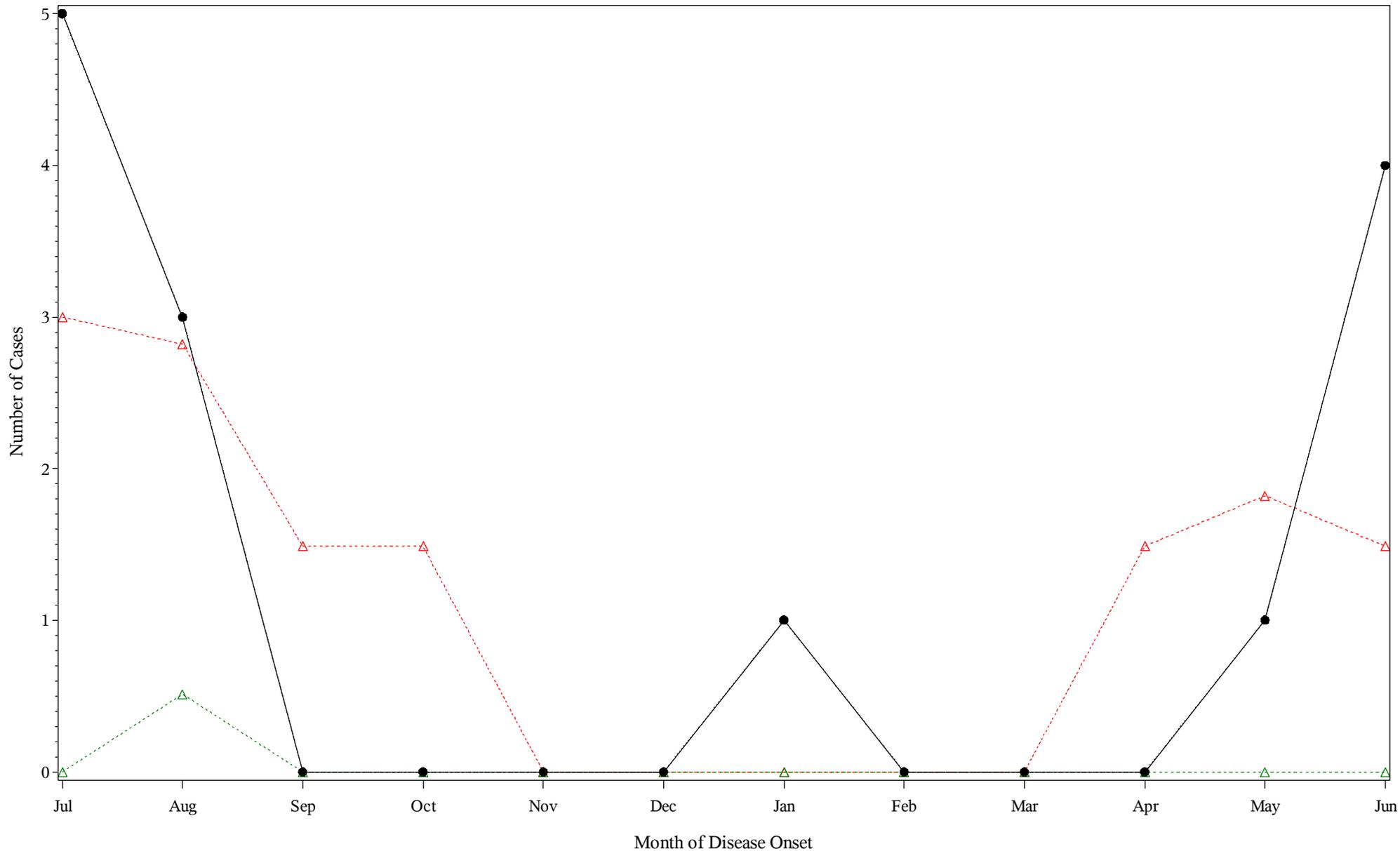


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central Lyme Disease

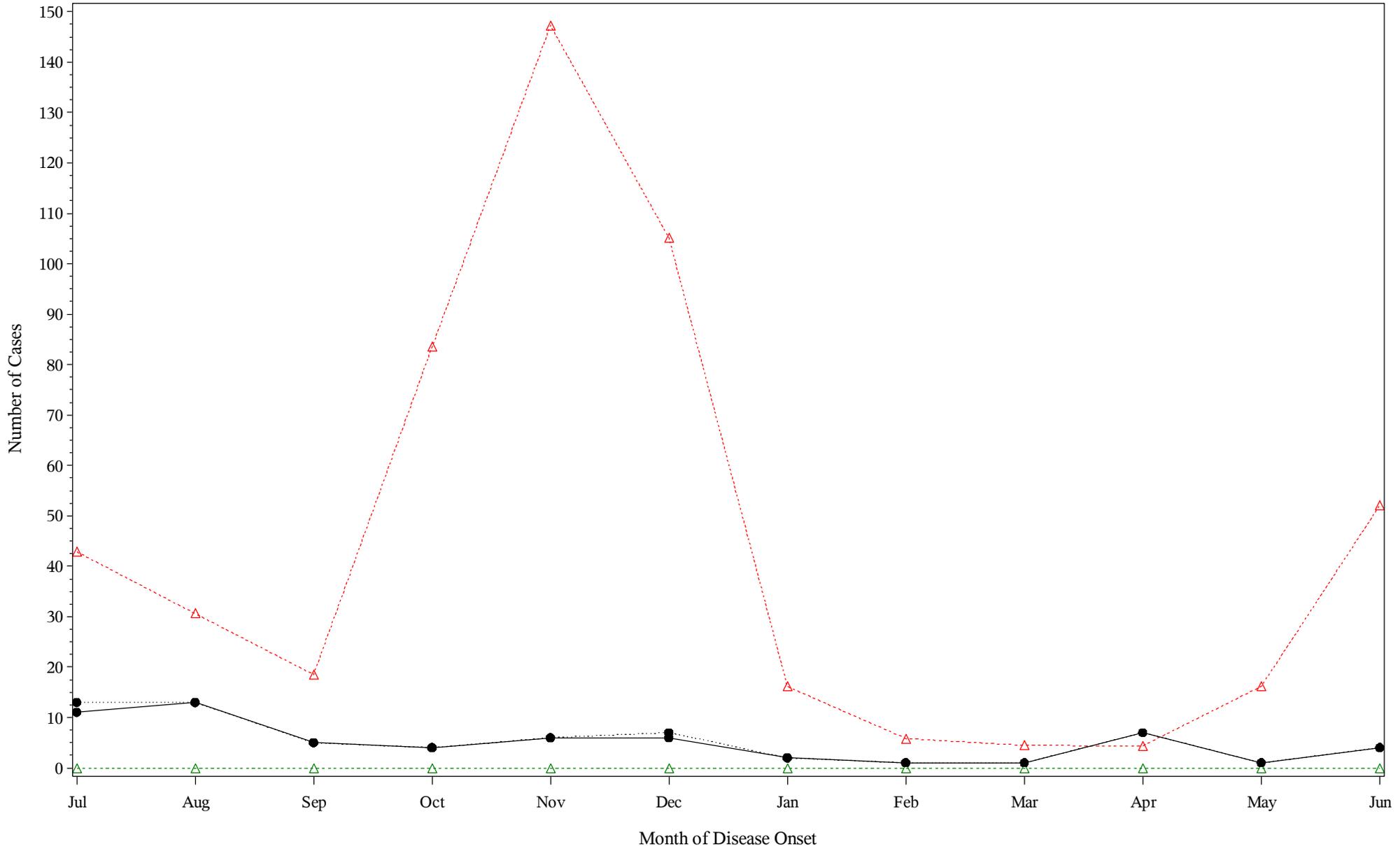


△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central Pertussis



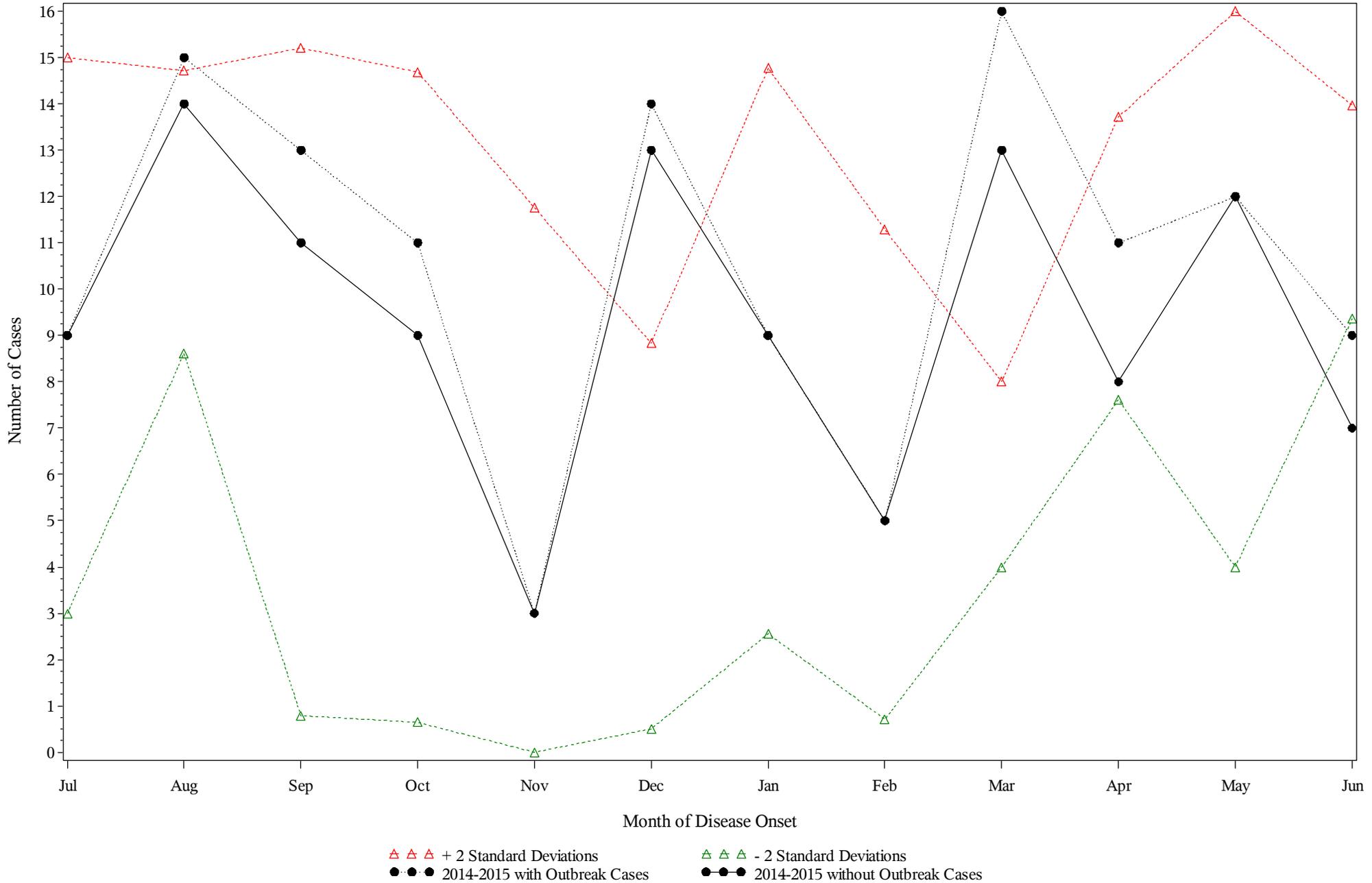
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central Salmonellosis

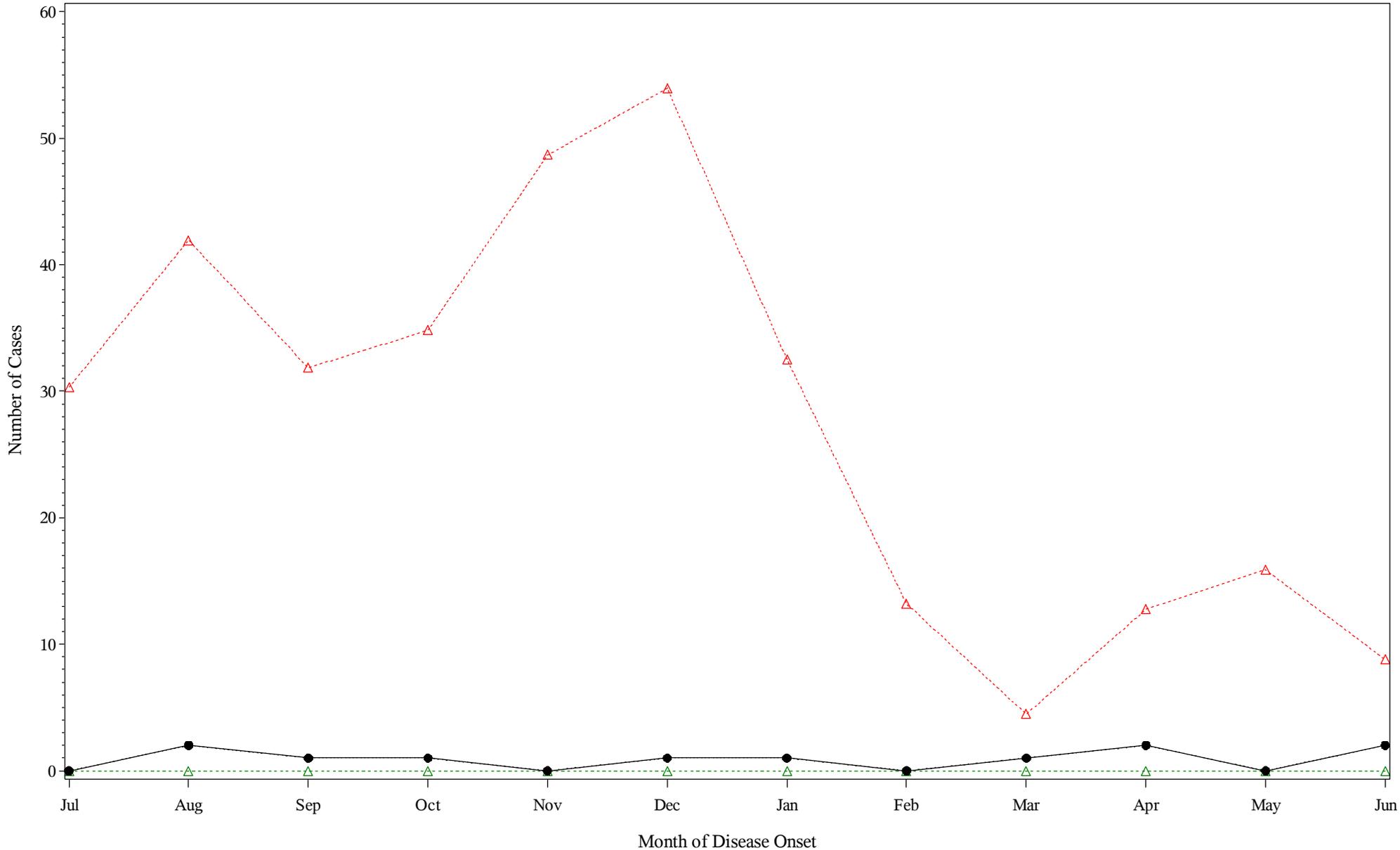


Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Shigellosis

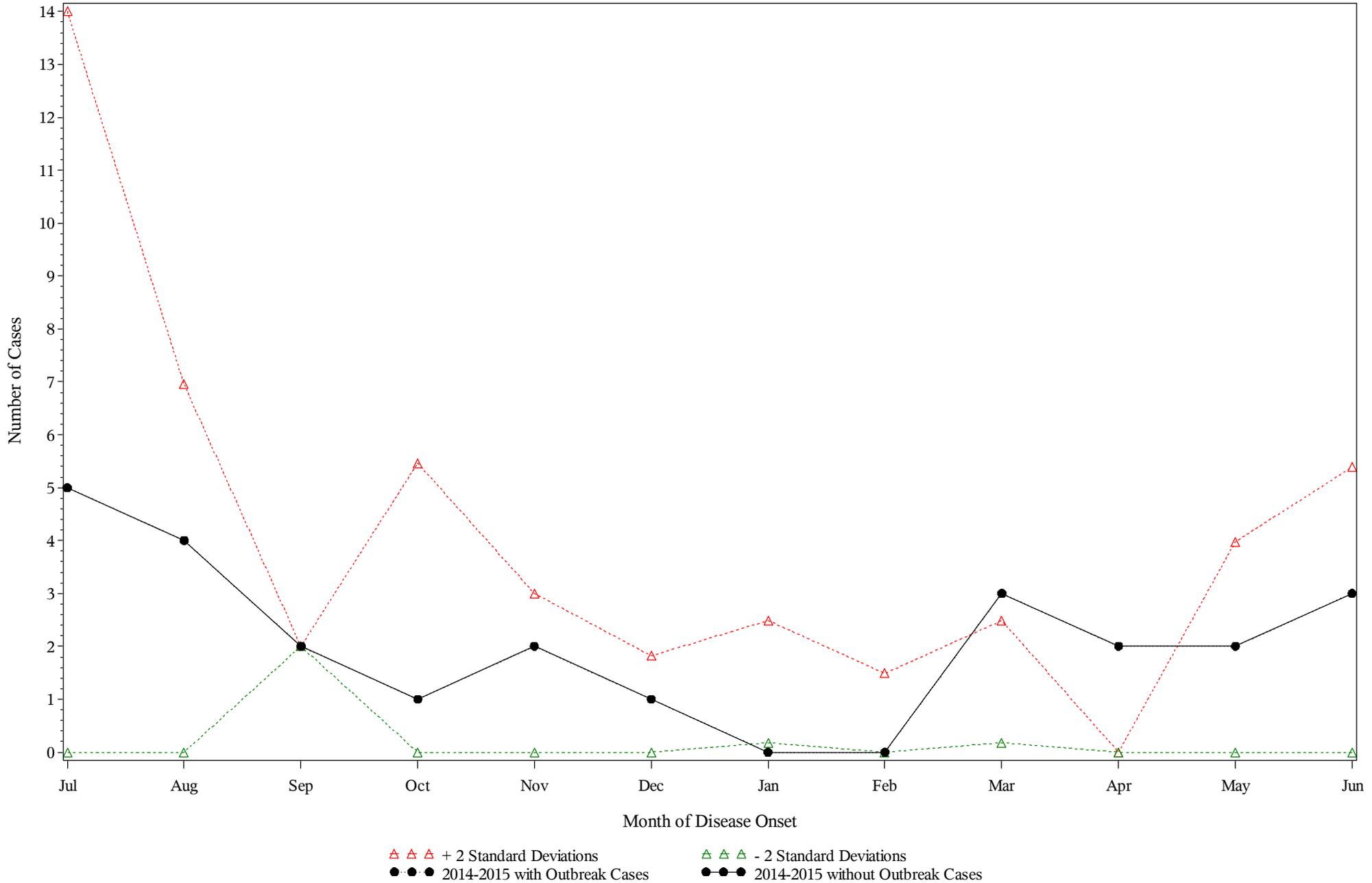


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central Shiga Toxin-Producing Escherichia coli



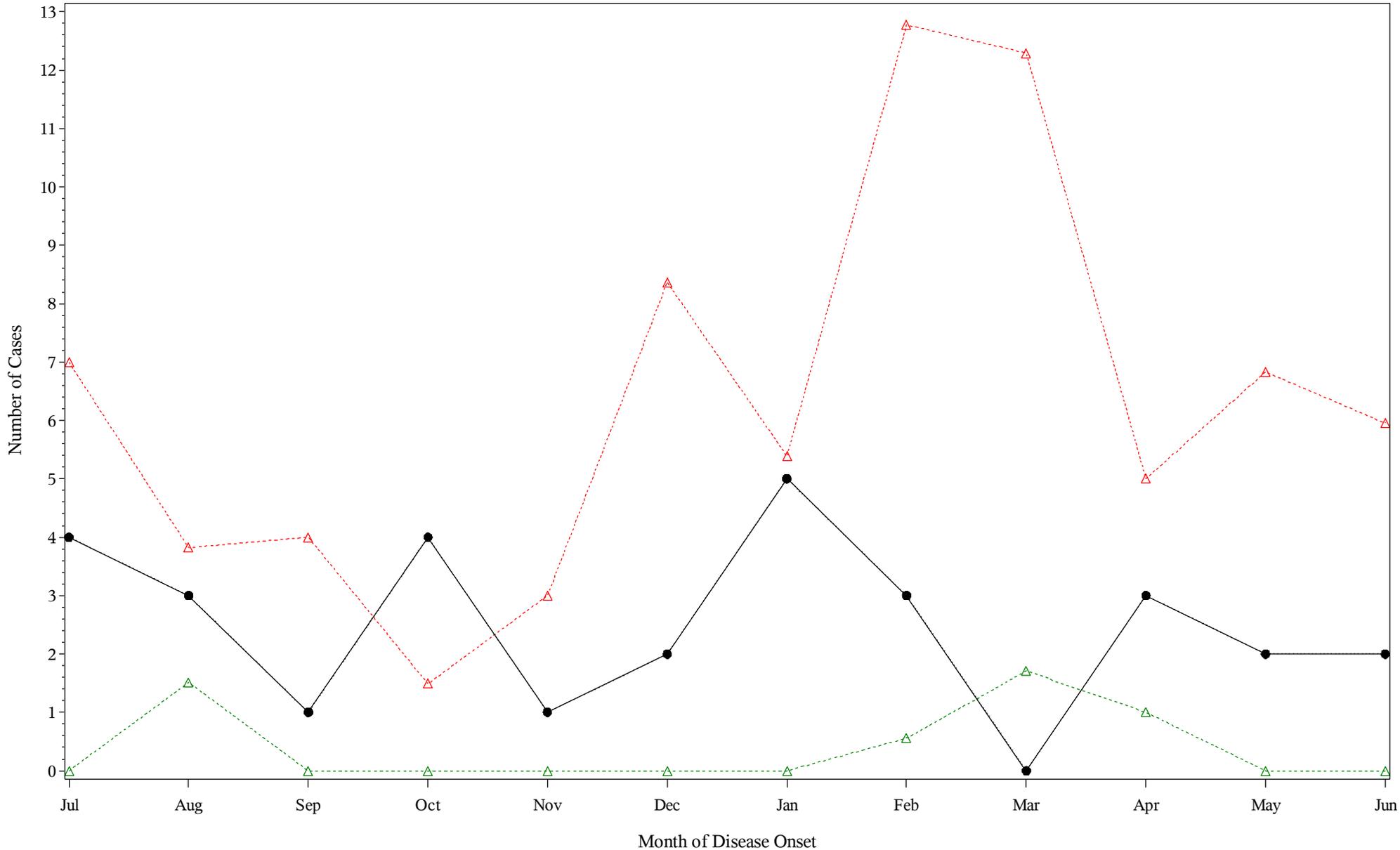
Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013

Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Streptococcal Disease, Group A, Invasive

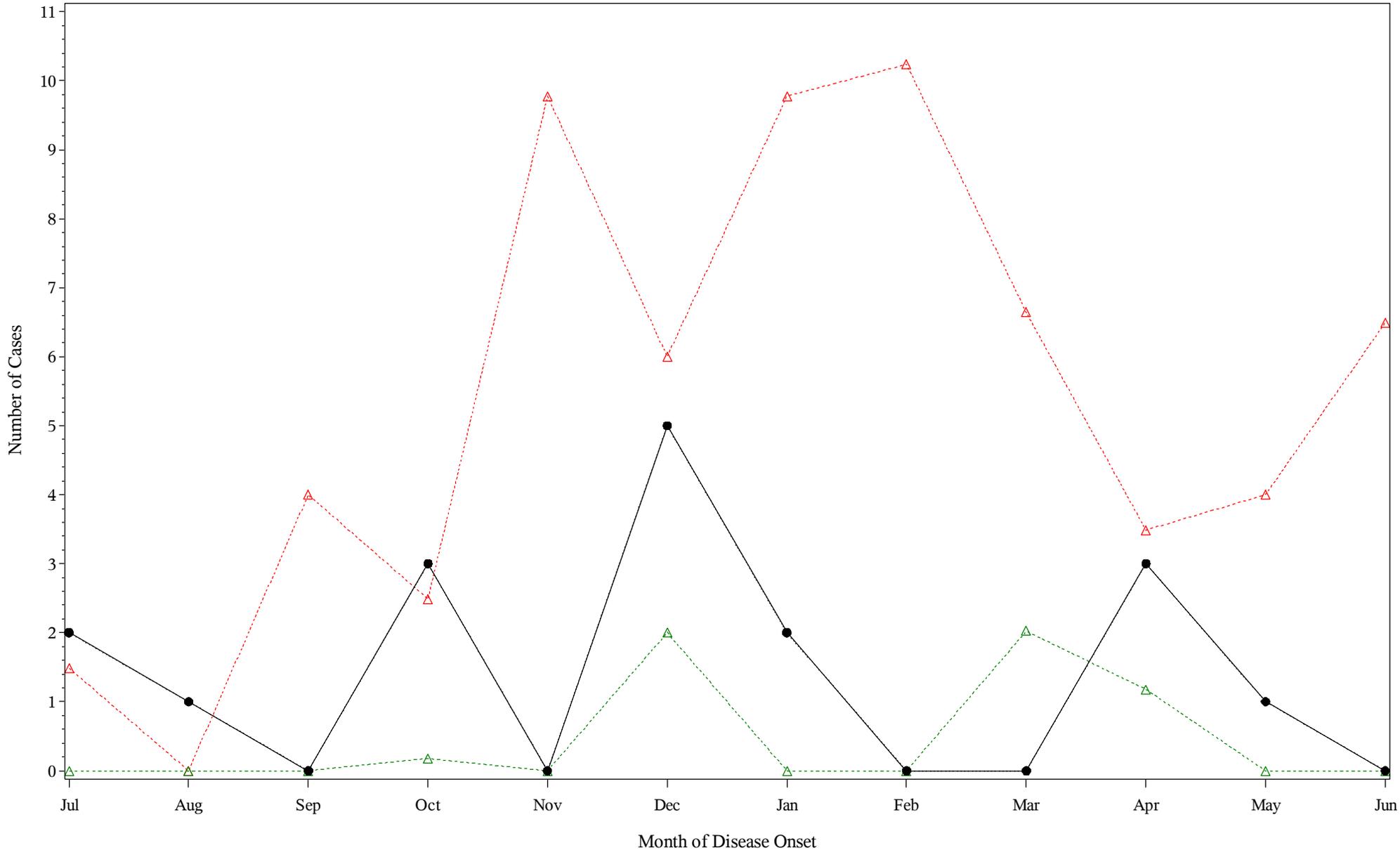


△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

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

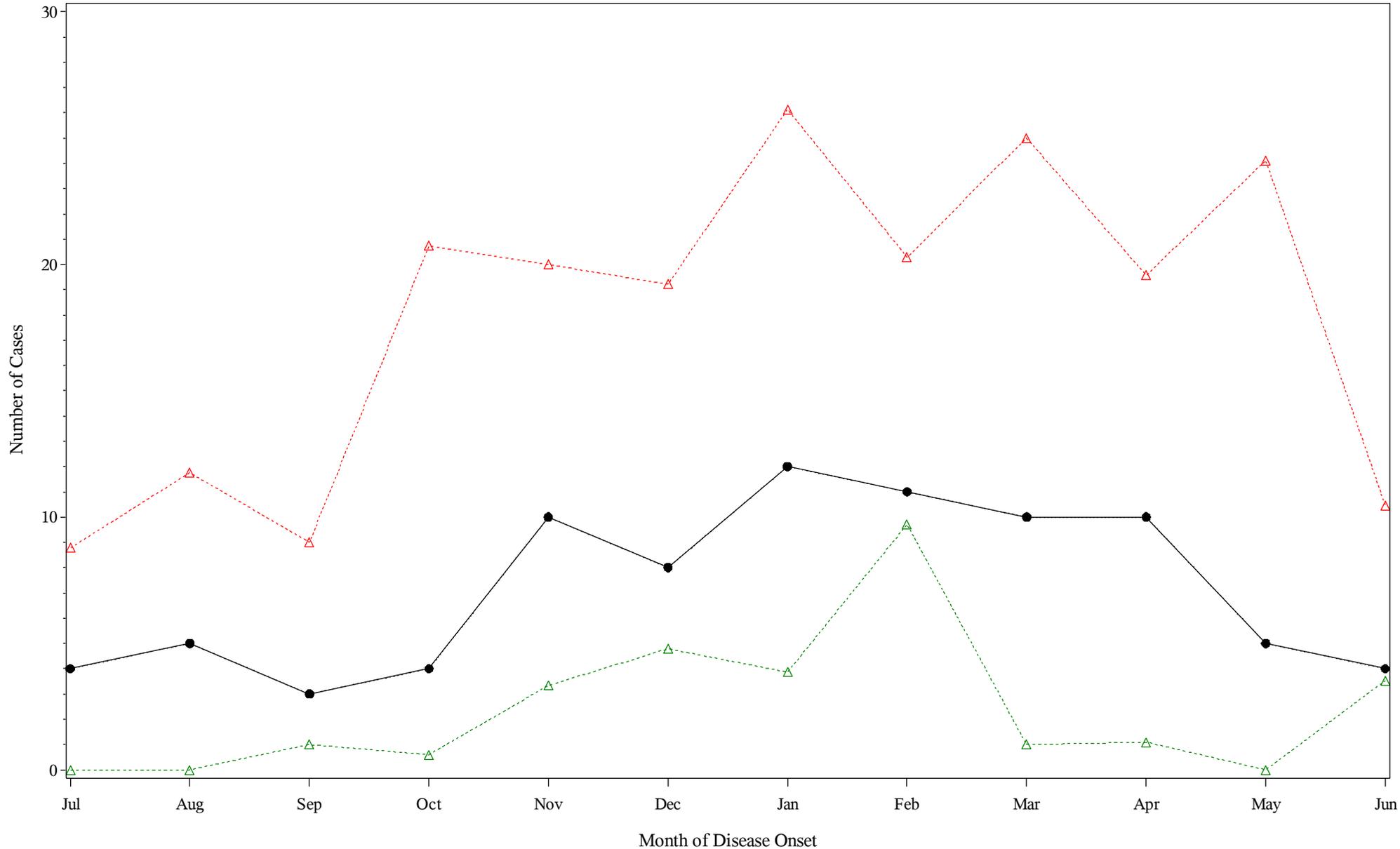


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 ● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

## West Central      Streptococcus pneumoniae, Invasive, Drug Susceptible/Unknown

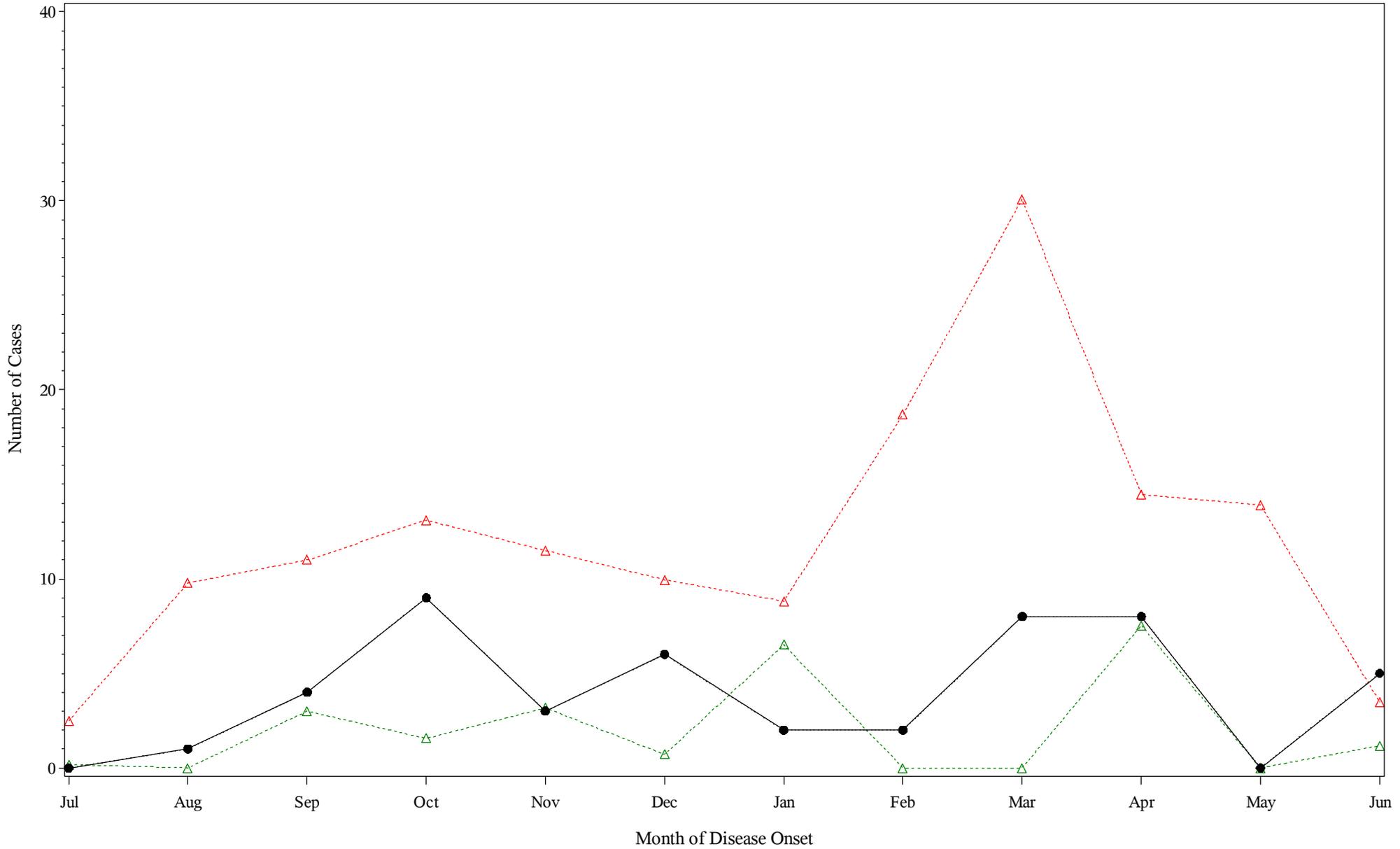


▲ ▲ ▲ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015  
 Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central      Varicella



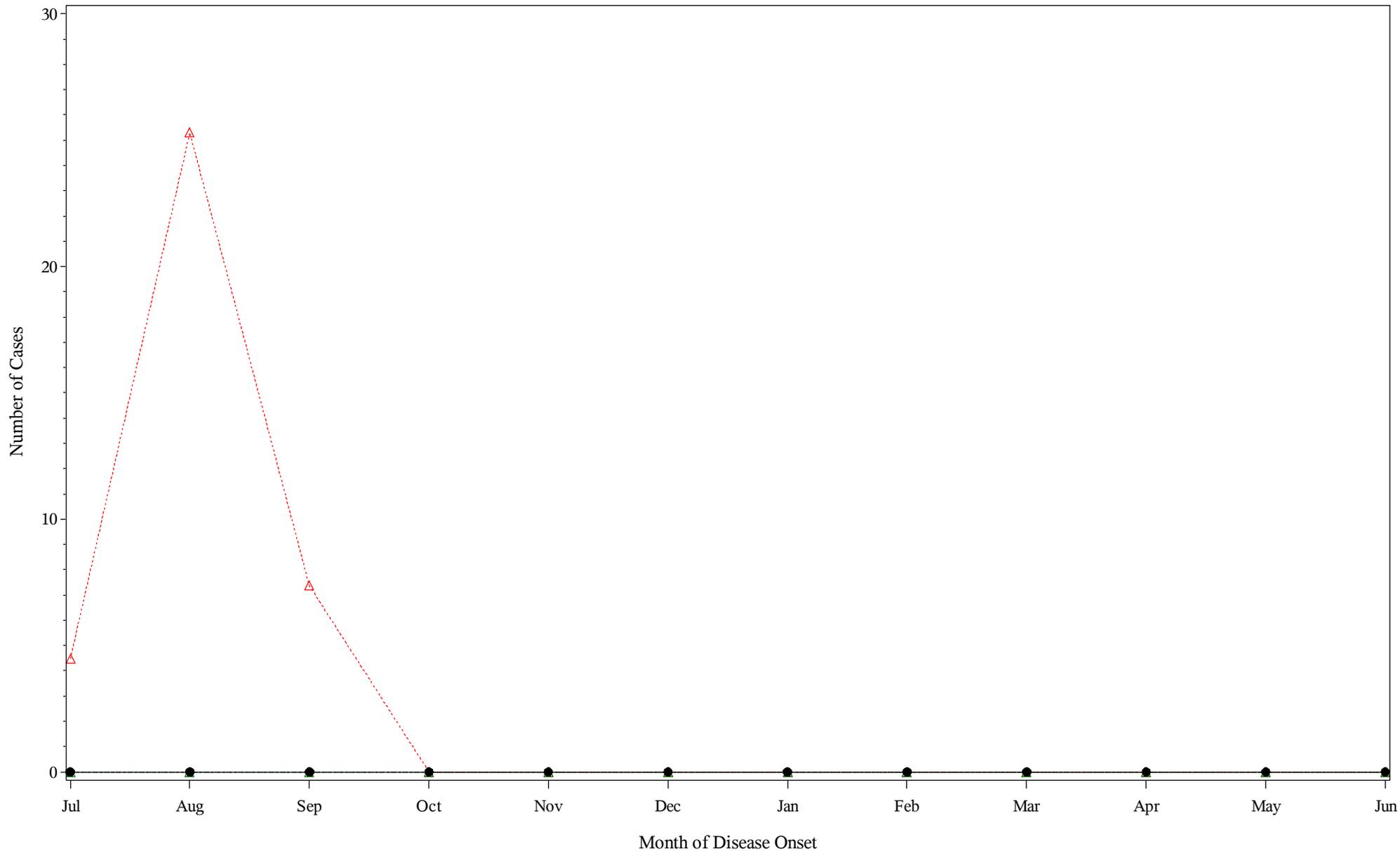
△ △ △ + 2 Standard Deviations     
 △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases     
 ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
 Current as of 07/26/2015

Source: Ohio Department of Health Bureau of Infectious Diseases

# Quarterly Surveillance Trends by Ohio Public Health Region and Disease, 2014-2015

West Central West Nile Virus Disease



△ △ △ + 2 Standard Deviations      △ △ △ - 2 Standard Deviations  
● ● ● 2014-2015 with Outbreak Cases      ● ● ● 2014-2015 without Outbreak Cases

Baseline Trends are 2 Standard Deviations of Mean Counts from 2011-2013  
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Source: Ohio Department of Health Bureau of Infectious Diseases