

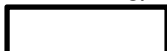
EPIDEMIOLOGY SURVEILLANCE REPORT

Southern Region



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South/Central East Region

10/27/2015



Note:

This report is for use by Public Health Officials only and not for public distribution.

All data are provisional and are subject to change.

10/27/2015



Purpose/Objectives

Purpose

- To provide regional information and updates to public health partners on communicable disease activity and trends within their region

Objectives

- Provide an overview of communicable disease activity
- Describe quarterly trends in select communicable diseases
- Highlight interesting and/or notable outbreaks/clusters and/or investigations

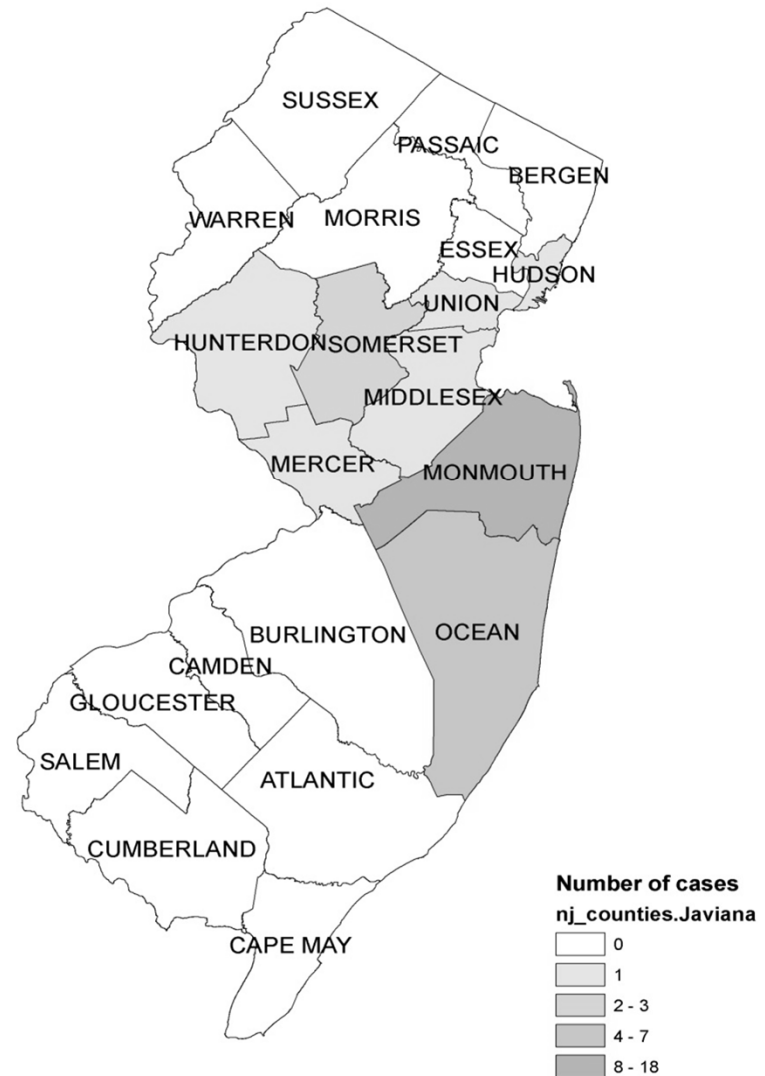


State and Regional Highlights- Foodborne Illness

Distribution of S. Javiana Cases by County, NJ - 2015

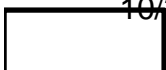
Salmonella Javiana Cluster

- 37 confirmed cases from 5 states: FL, KY, NJ (33), NYC, and PA.
 - Onset dates range: July 9, 2015 to August 14, 2015
 - Age range: 1-72 years (median 24 years)
- Majority of cases Monmouth and Ocean residents but six additional counties have at least one case associated with this cluster.
 - No cases reported from Southern Region



N
1:1,179,961

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SELECT DISEASE TRENDS AND ACTIVITY

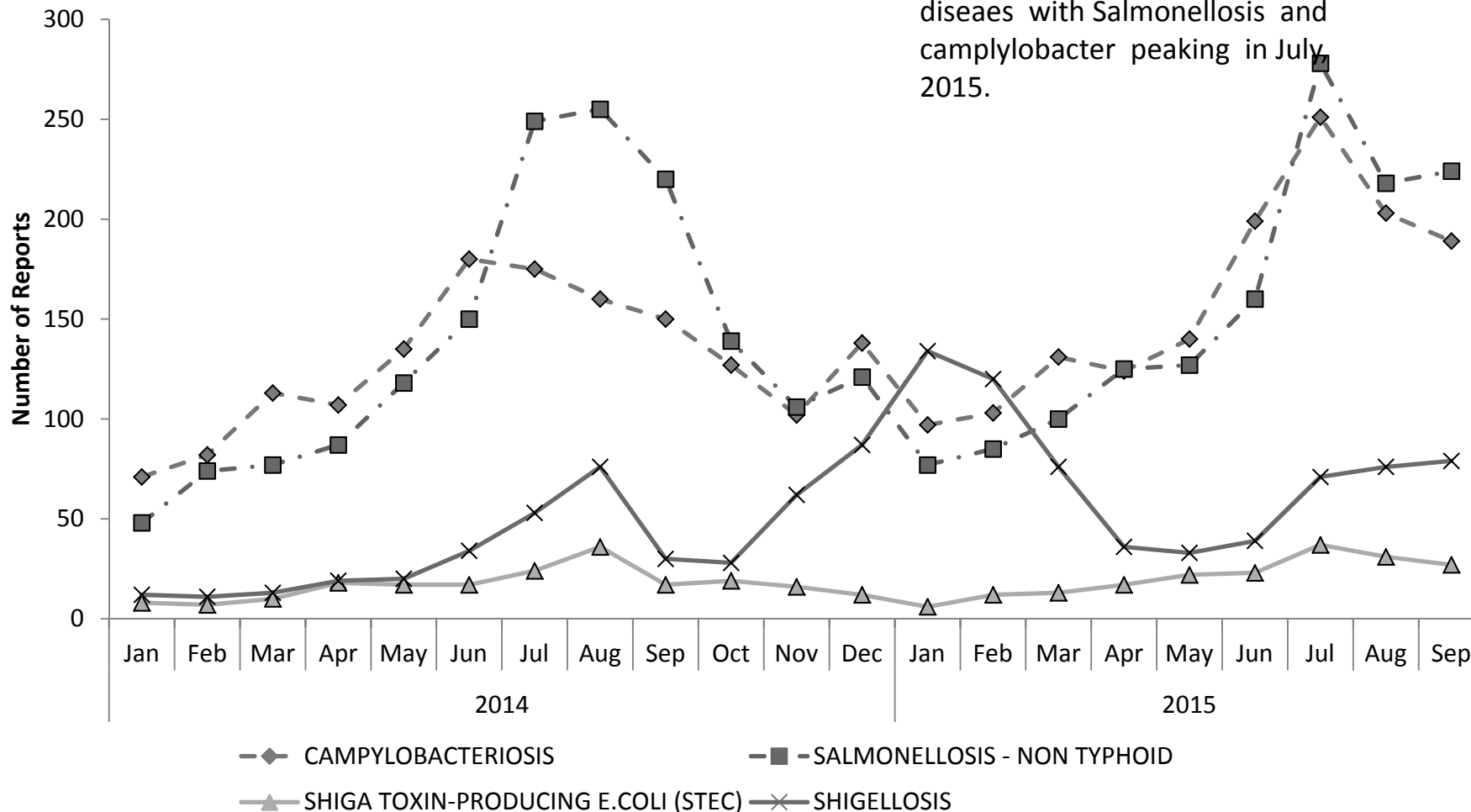
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Enteric Diseases

State

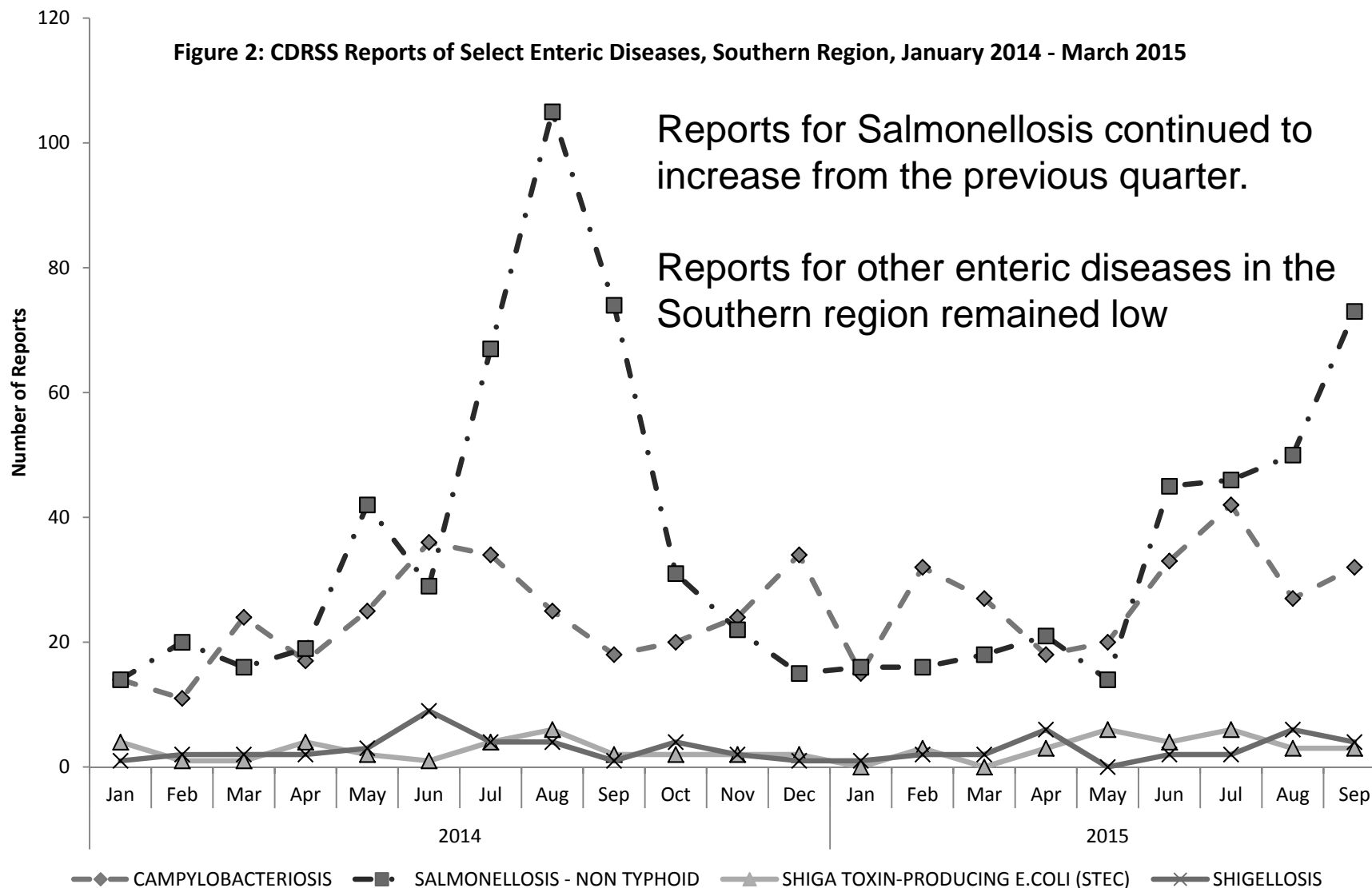
Figure 1: CDRSS Reports of Select Enteric Diseases, New Jersey
January 2014 - September, 2015



*Includes total number of reports entered into the Communicable Disease Reporting and Surveillance System (CDRSS) each month for select diseases. Excludes merged and deleted reports. Includes all case statuses (i.e. CONFIRMED, PROBABLE, POSSIBLE, REPORT UNDER INVESTIGATION (RUI), NOT A CASE). Data reflect the reporting burden of disease and does not reflect the number of cases that are confirmed.

Enteric Diseases Southern Region

Figure 2: CDRSS Reports of Select Enteric Diseases, Southern Region, January 2014 - March 2015

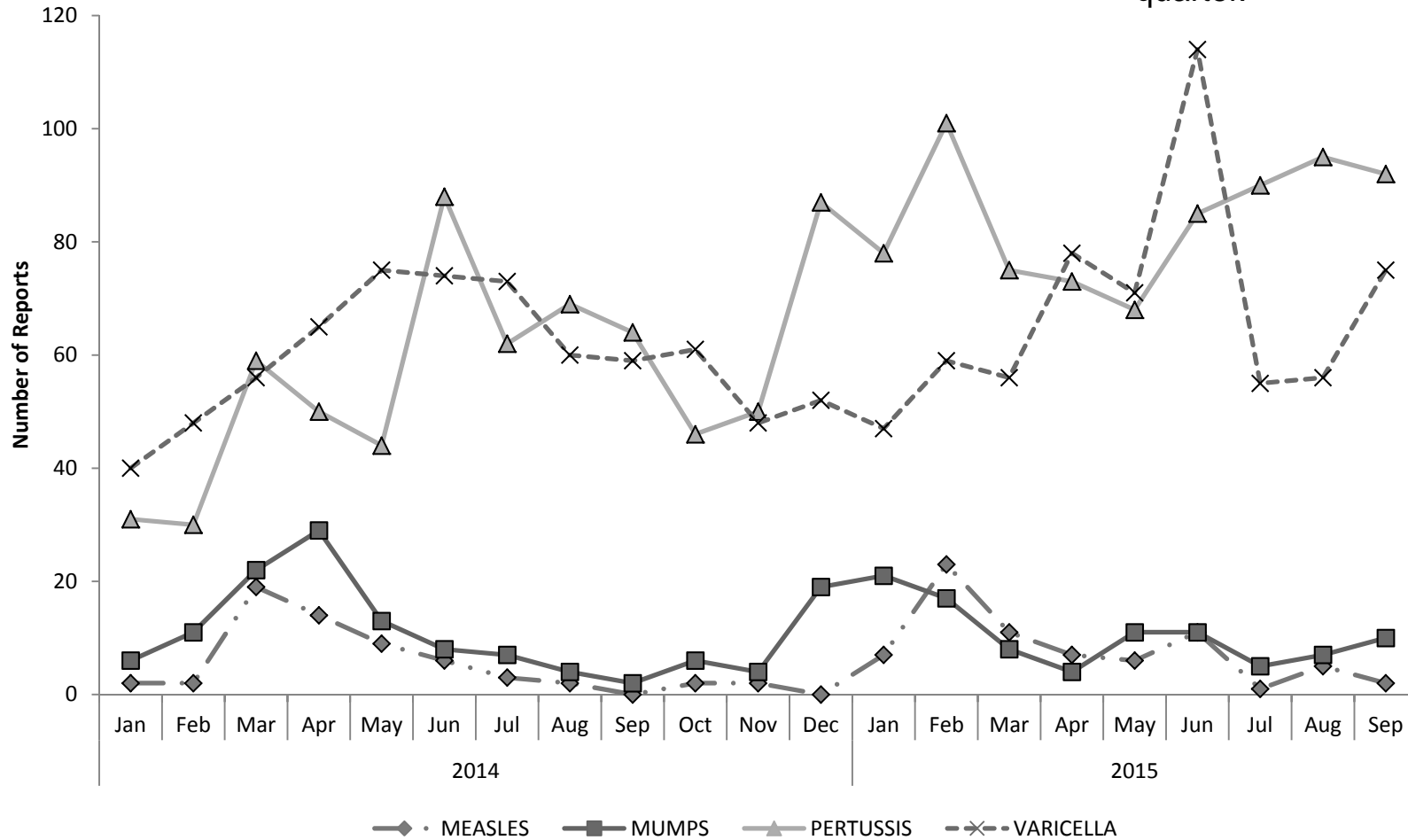


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Vaccine Preventable Diseases State

General increase in reports for pertussis since June 2015 continuing into the 3rd quarter.

Figure 3. CDRSS Select Reports of Vaccine Preventable Diseases New Jersey January 2014-September 2015



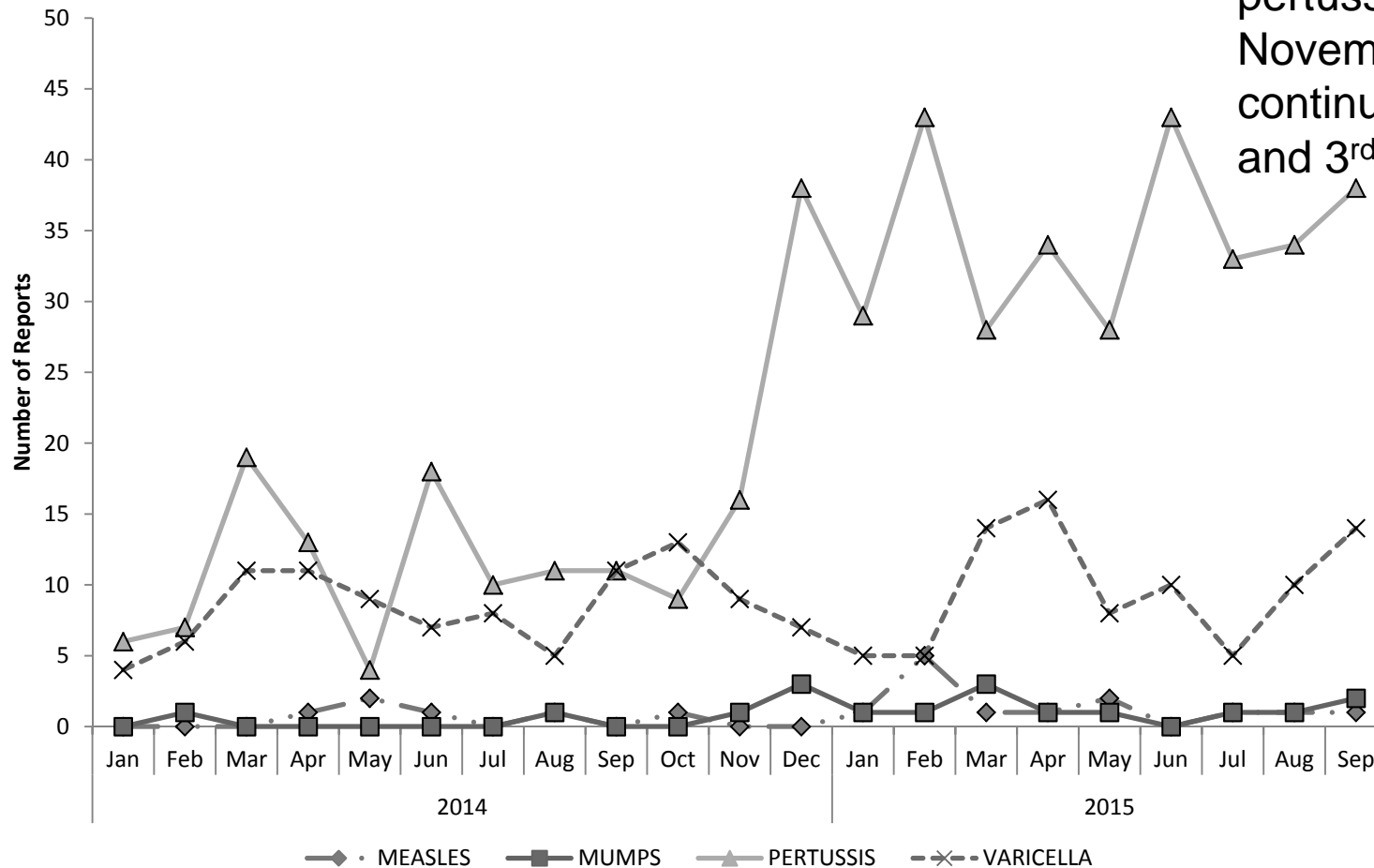
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Vaccine Preventable Diseases

Southern Region

Figure 4. CDRSS Select Reports of Vaccine Preventable Diseases, Southern Region
January 2014-September 2015

The Southern region has seen a steady increase in reports for pertussis beginning in November 2014 continuing into the 2nd and 3rd quarter.



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Vectorborne and Zoonotic Diseases

Table 1: New Jersey Animal Rabies Cases in the Southern Region by Species, January 1 – September 30, 2015

Region	County	Bat	Cat	Fox	Raccoon	Skunk	Total
South	Atlantic	5		1	1		7
	Burlington	4	1	3	6	2	16
	Camden	1	1		8	2	12
	Cape May	2			4		6
	Cumberland		1		8	1	10
	Gloucester	10			7	2	19
	Salem	1		1	7	1	10
Total Southern Region		23	3	5	41	8	80

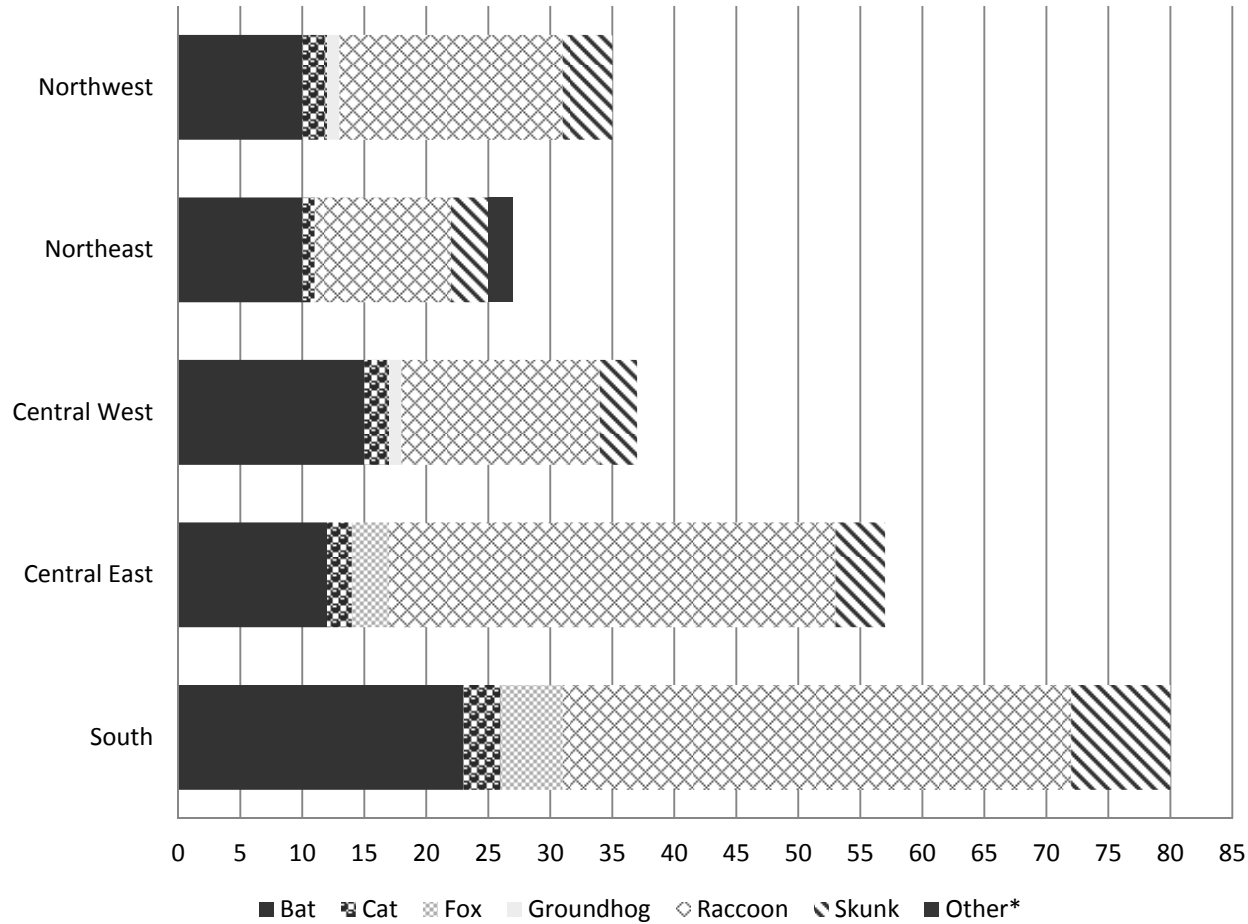
Gloucester County to date has the highest number of rabies cases in the Southern region followed by Burlington County.

Compared to the same time period in 2014 in the Southern region, there was a decline in animal rabies cases (80 vs. 104)

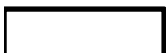


Vectorborne and Zoonotic Diseases

Figure 5. New Jersey Animal Rabies Cases by Region and Species.
January 1- September 30, 2015



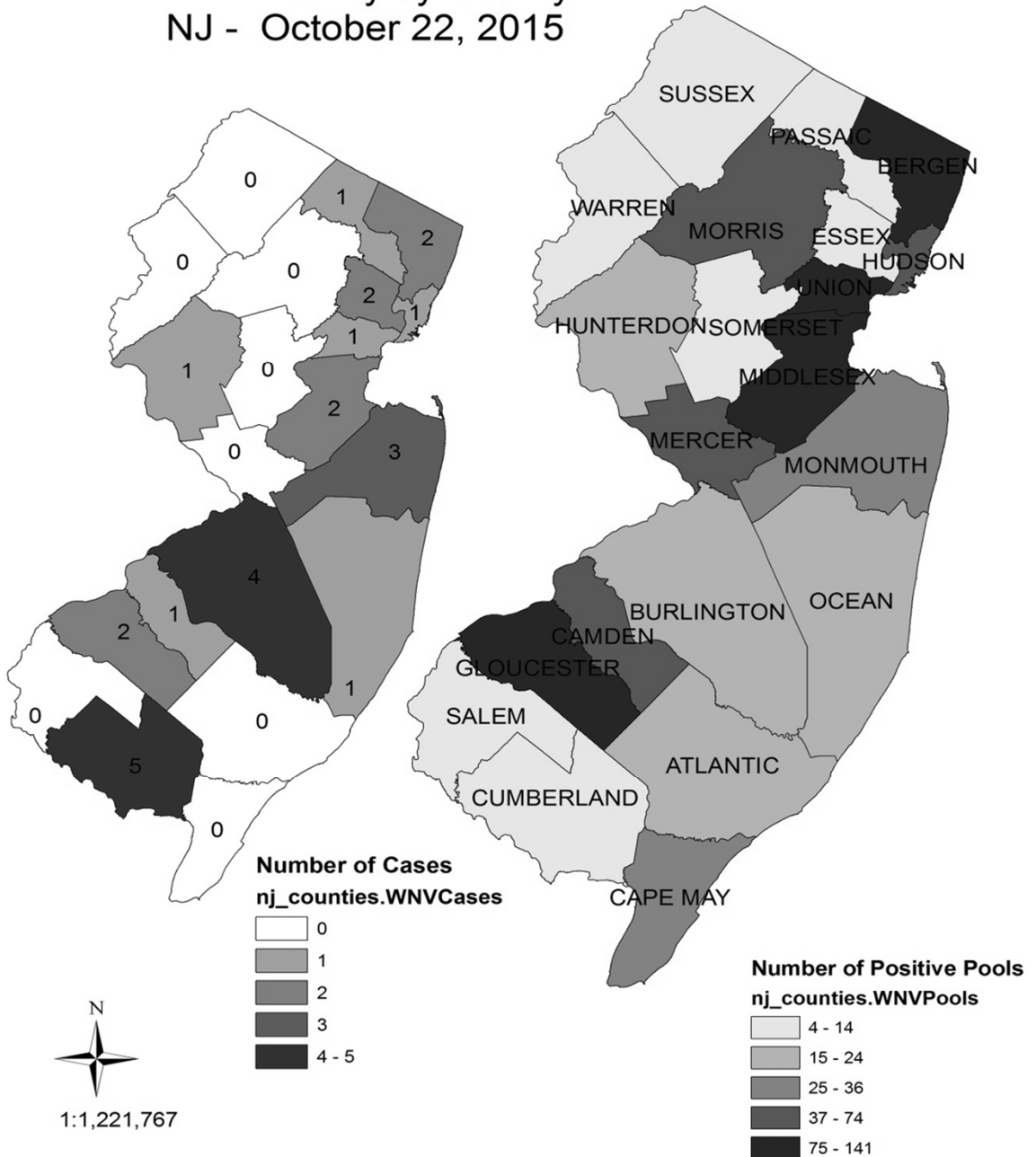
- The Southern region had the highest number of animal rabies cases in New Jersey
- The Northeast region had the lowest



WNV Activity by County NJ - October 22, 2015

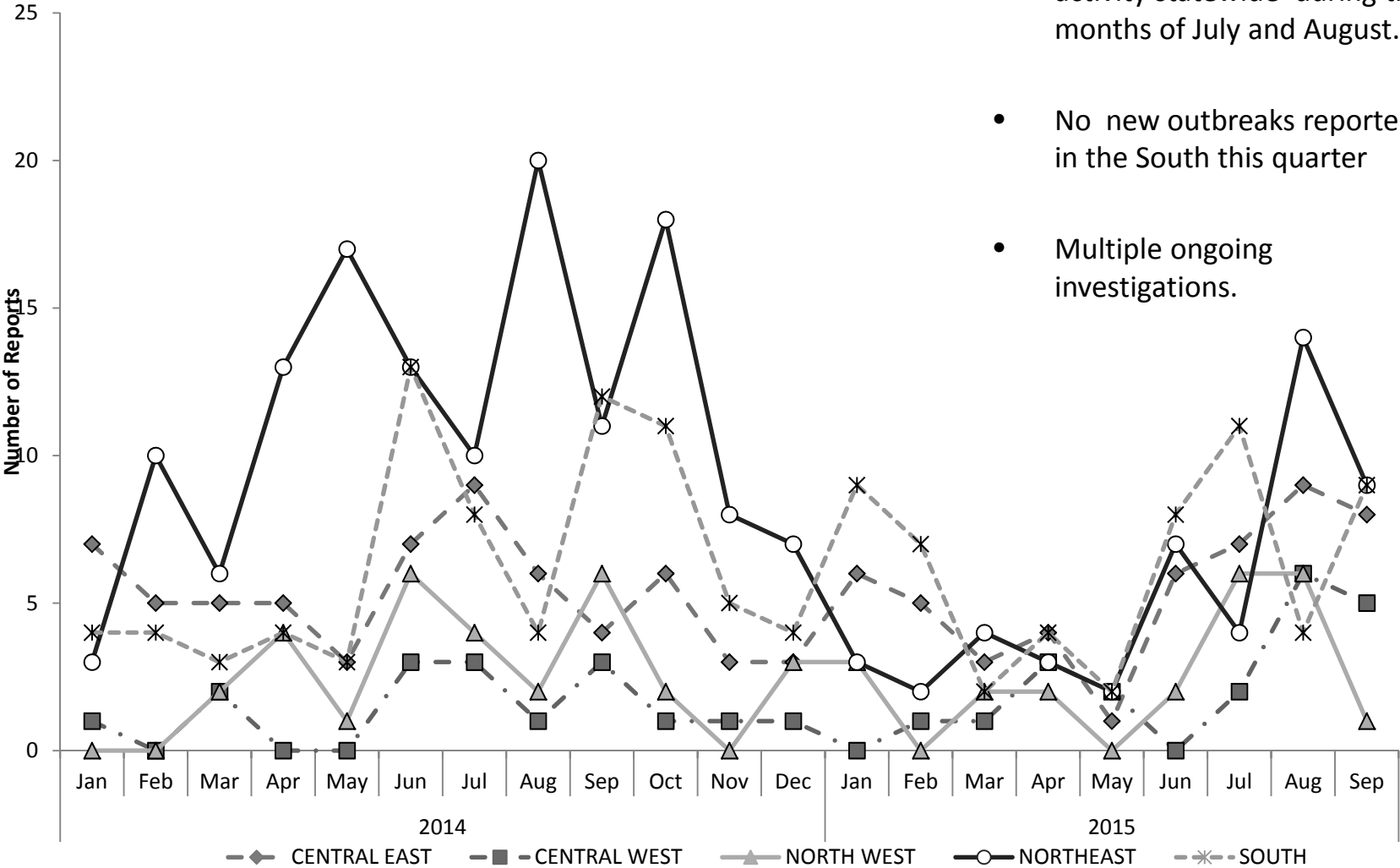
Arboviral activity – West Nile Virus

- **West Nile virus activity (mosquito and/or avian) has been identified in all 21 counties**
- To date there are 900 WNV positive mosquito pools
- 26 WNV positive cases, including two (2) fatalities
 - Burlington (4)
 - Camden (1)
 - Cumberland (5)
 - Gloucester (2)



Legionellosis

Figure 1: CDRSS Reports of Legionnaire's Disease, New Jersey, January 2014 - September 2015



- Increases in Legionella activity statewide during the months of July and August.
- No new outbreaks reported in the South this quarter
- Multiple ongoing investigations.

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OUTBREAK/CLUSTER REPORTING

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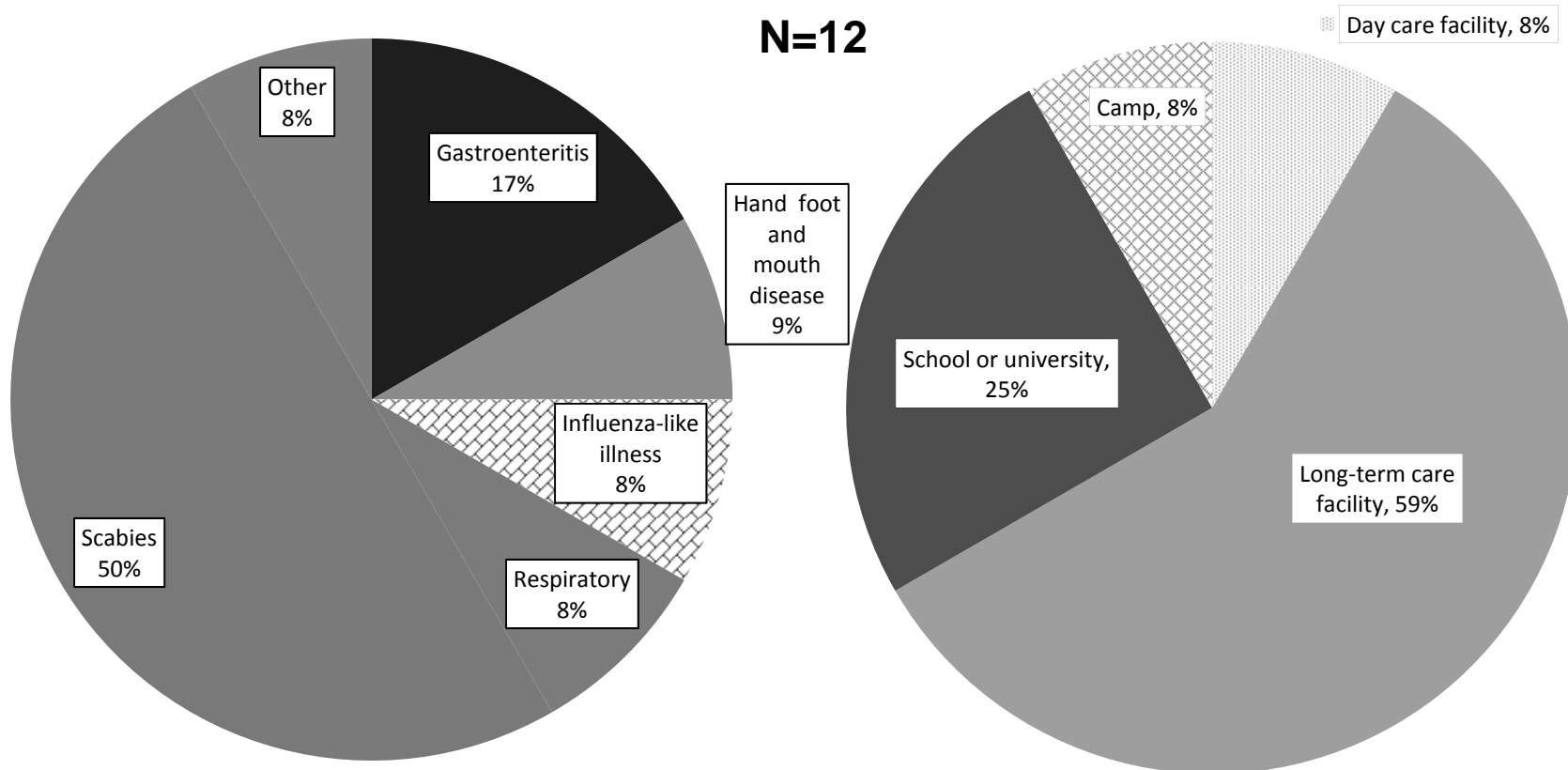


Southern Region Outbreaks

Outbreak/Cluster Type

Outbreak/Cluster Setting

N=12



- 12 outbreaks reported and investigated in the Southern Region during the quarter, No increase from 12 outbreaks reported in the previous quarter.

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