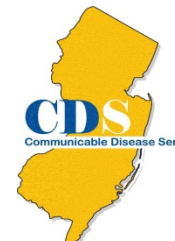


EPIDEMIOLOGY SURVEILLANCE REPORT

Northwest Region



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

All data are provisional and are subject to change.

Purpose/Objectives

Purpose

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

Objectives

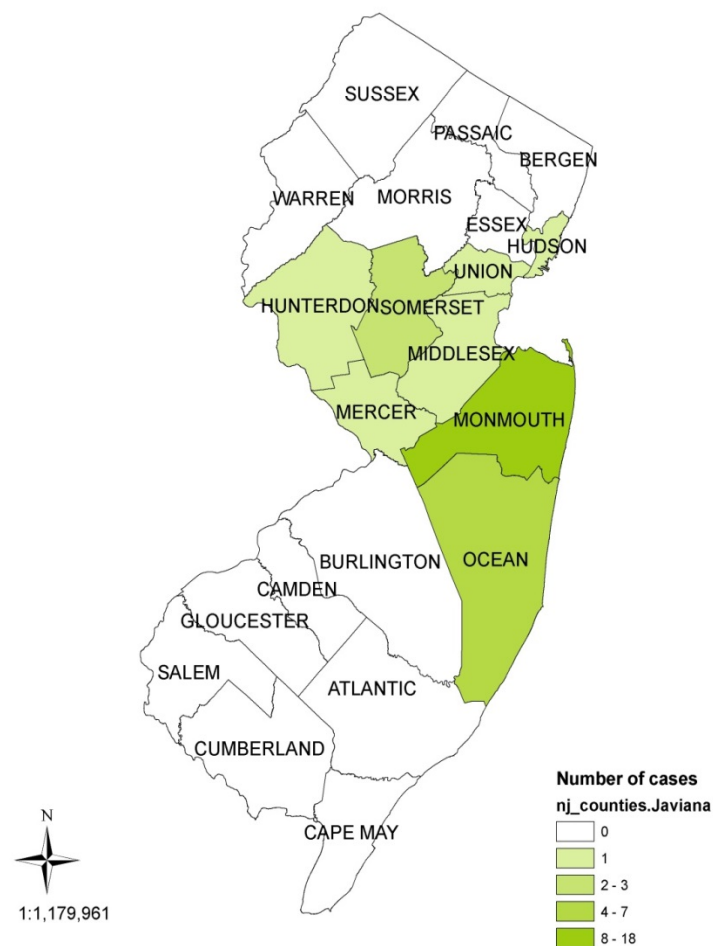
- Provide an overview of communicable disease activity
- Describe quarterly trends in select communicable diseases
- Highlight interesting and/or notable outbreaks/clusters and/or investigations

State and Regional Highlights- Foodborne Illness

Salmonella Javiana Cluster

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

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

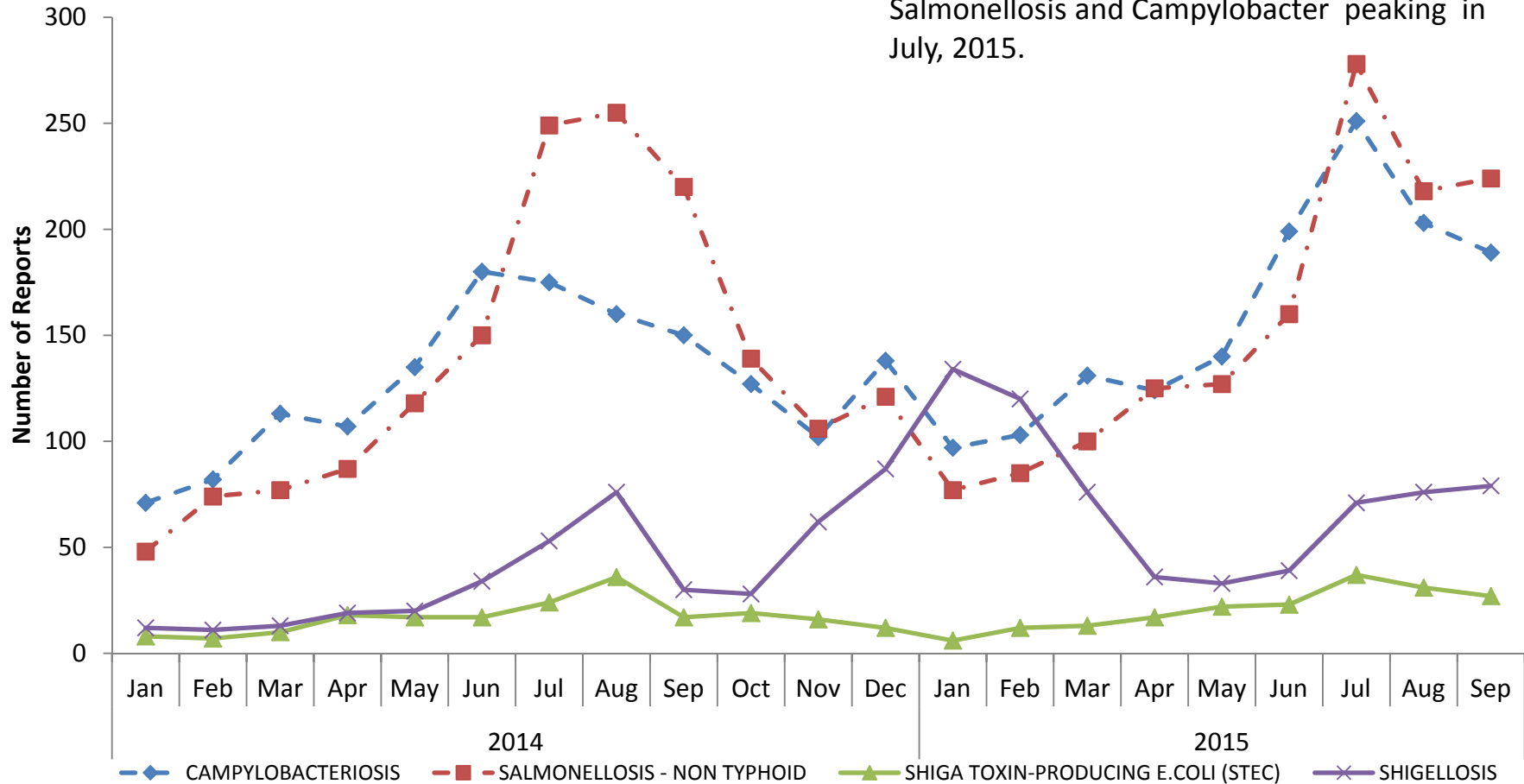


SELECT DISEASE TRENDS AND ACTIVITY

Enteric Diseases New Jersey

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

Seasonal Increases in all enteric diseases with Salmonellosis and Campylobacter peaking in July, 2015.

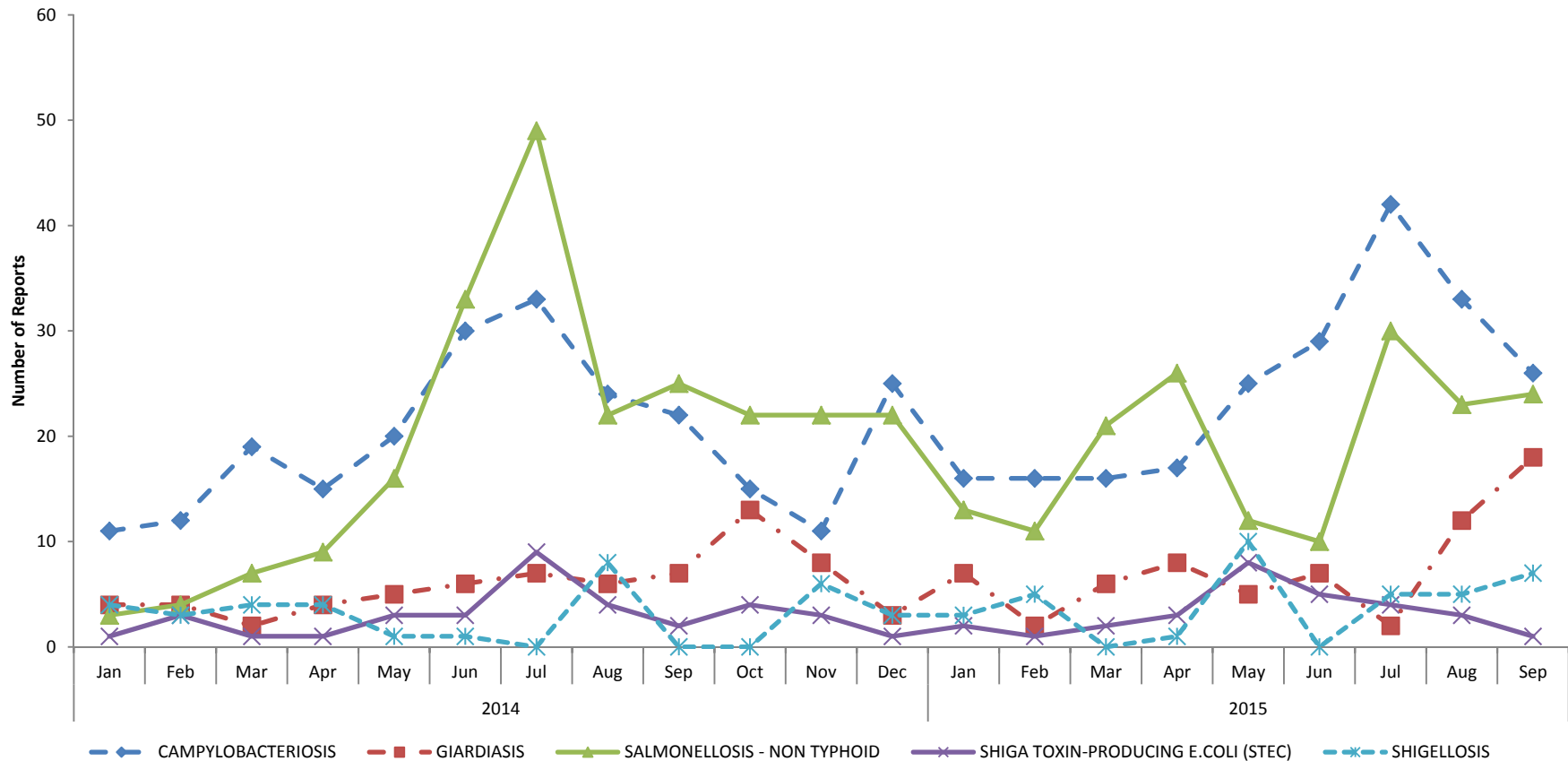


*Includes total number of reports entered into the Communicable Disease Reporting and Surveillance System (CDRSS) each month for select diseases. Excludes merged and deleted reports. Includes all case statuses (i.e. CONFIRMED, PROBABLE, POSSIBLE, REPORT UNDER INVESTIGATION (RUI), NOT A CASE). Data reflect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

Enteric Diseases Northwest Region

Reports for Giardia saw an increase this quarter with a steady decline seen in reports of Campylobacteriosis.

Figure 1: CDRSS Reports of Select Enteric Diseases, Northwest Region, January 2014 - September 2015

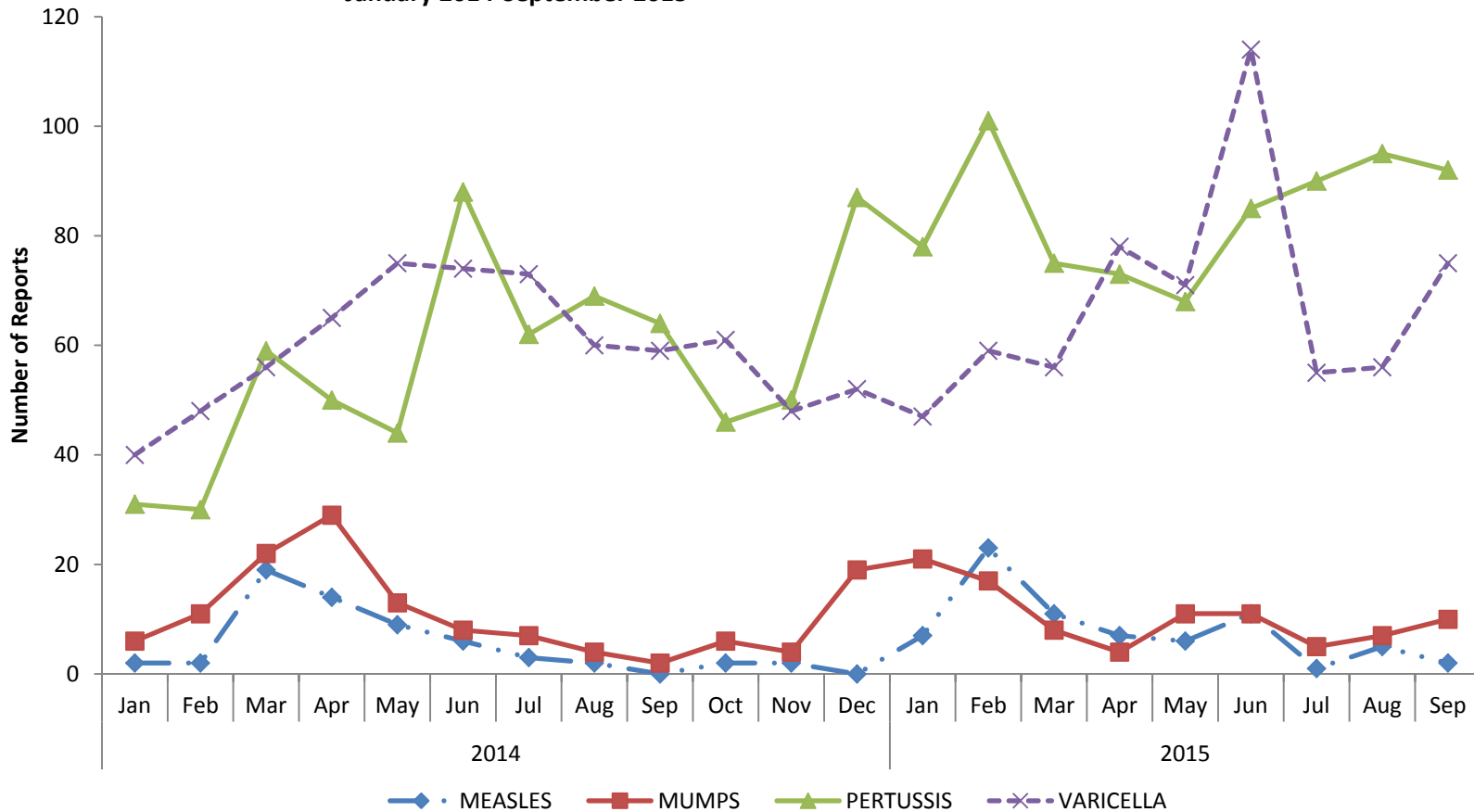


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Vaccine Preventable Diseases New Jersey

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

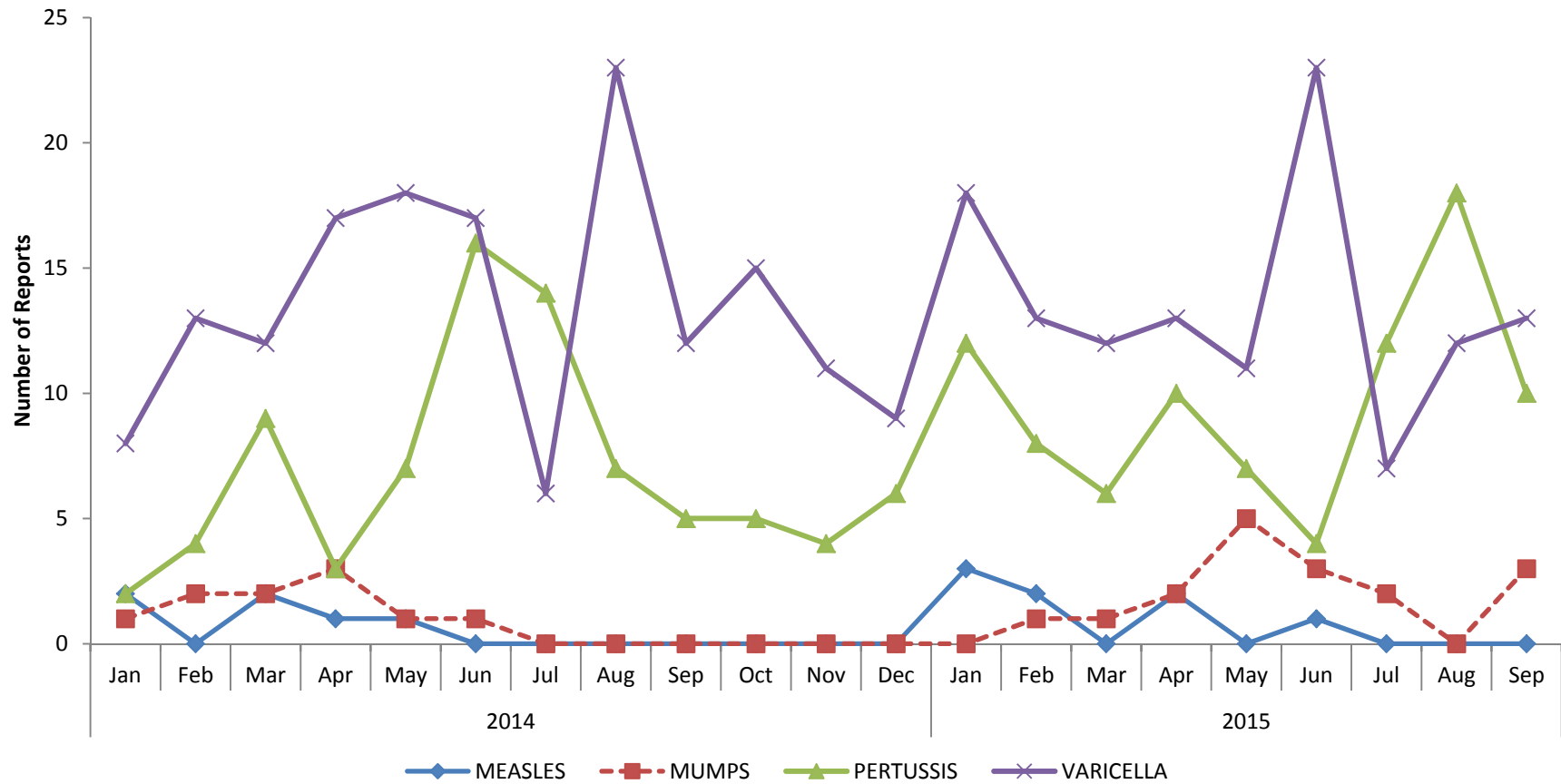
Figure 3. CDRSS Select Reports of Vaccine Preventable Diseases New Jersey
January 2014-September 2015



*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.

Vaccine Preventable Diseases Northwest Region

Figure 2. CDRSS Select Reports of Vaccine Preventable Diseases, Northwest Region, 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.

Vectorborne and Zoonotic Diseases

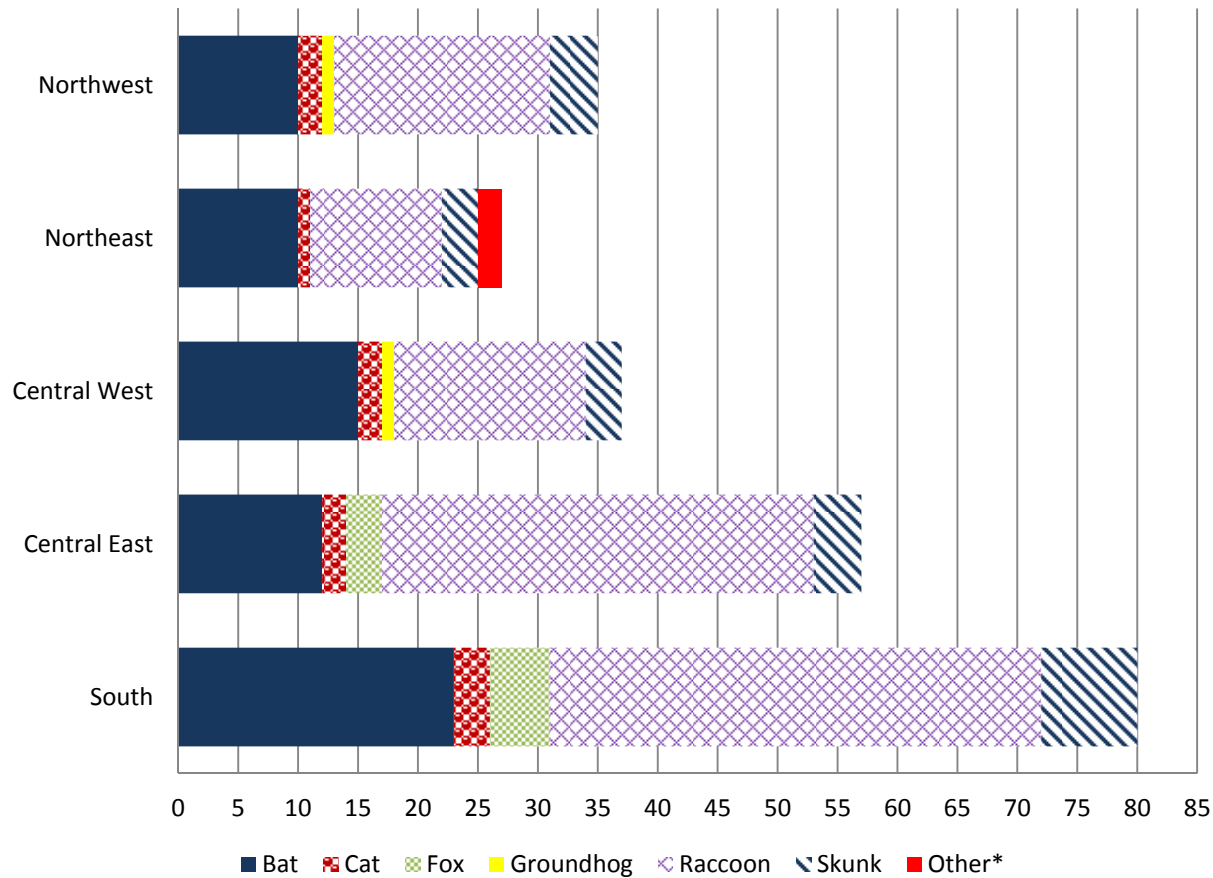
Table 1: New Jersey Animal Rabies Cases in the Northwest Region by Species, January 1 – September 30, 2015

Region	County	Bat	Cat	Groundhog	Raccoon	Skunk	Total
Northwest	Morris	6		1	10	1	18
	Passaic	1			4		5
	Sussex		1		3	2	6
	Warren	3	1		1	1	6
Total Region		10	2	1	18	4	35

- Morris County had the highest number of rabies cases in the Northwest region between January 1 and September 30, 2015.
- Compared to the same time period in 2014 in the Northwest region, there was an decrease in overall rabies cases (35 vs. 40).

Vector borne and Zoonotic Diseases

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

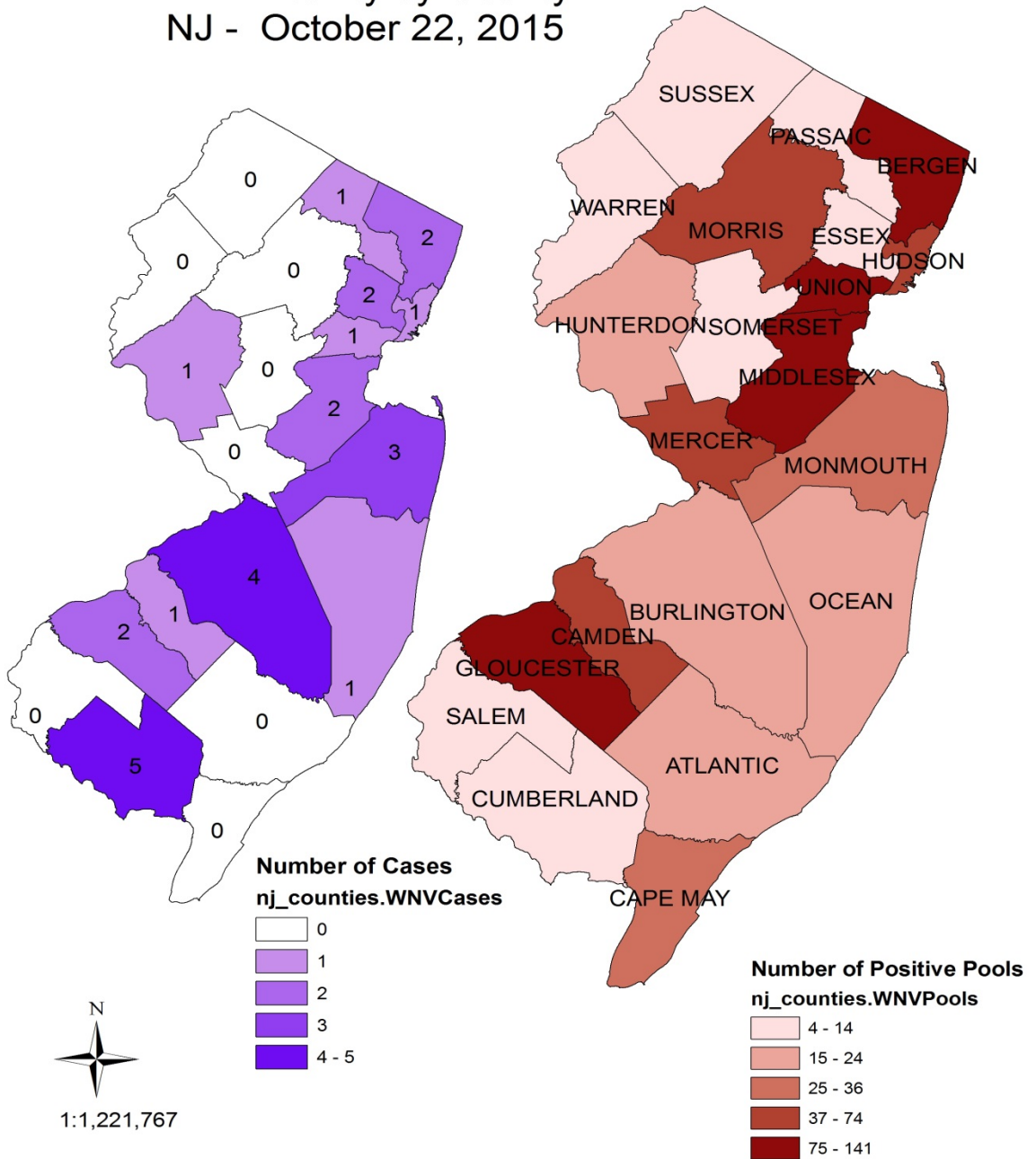


- The Northwest region reported a total of 35 animal rabies cases from January of this year to date.
- The Southern region had the highest number and Northeast had the lowest number of animal Rabies reports.

WNV Activity by County NJ - October 22, 2015

Arboviral activity – West Nile Virus

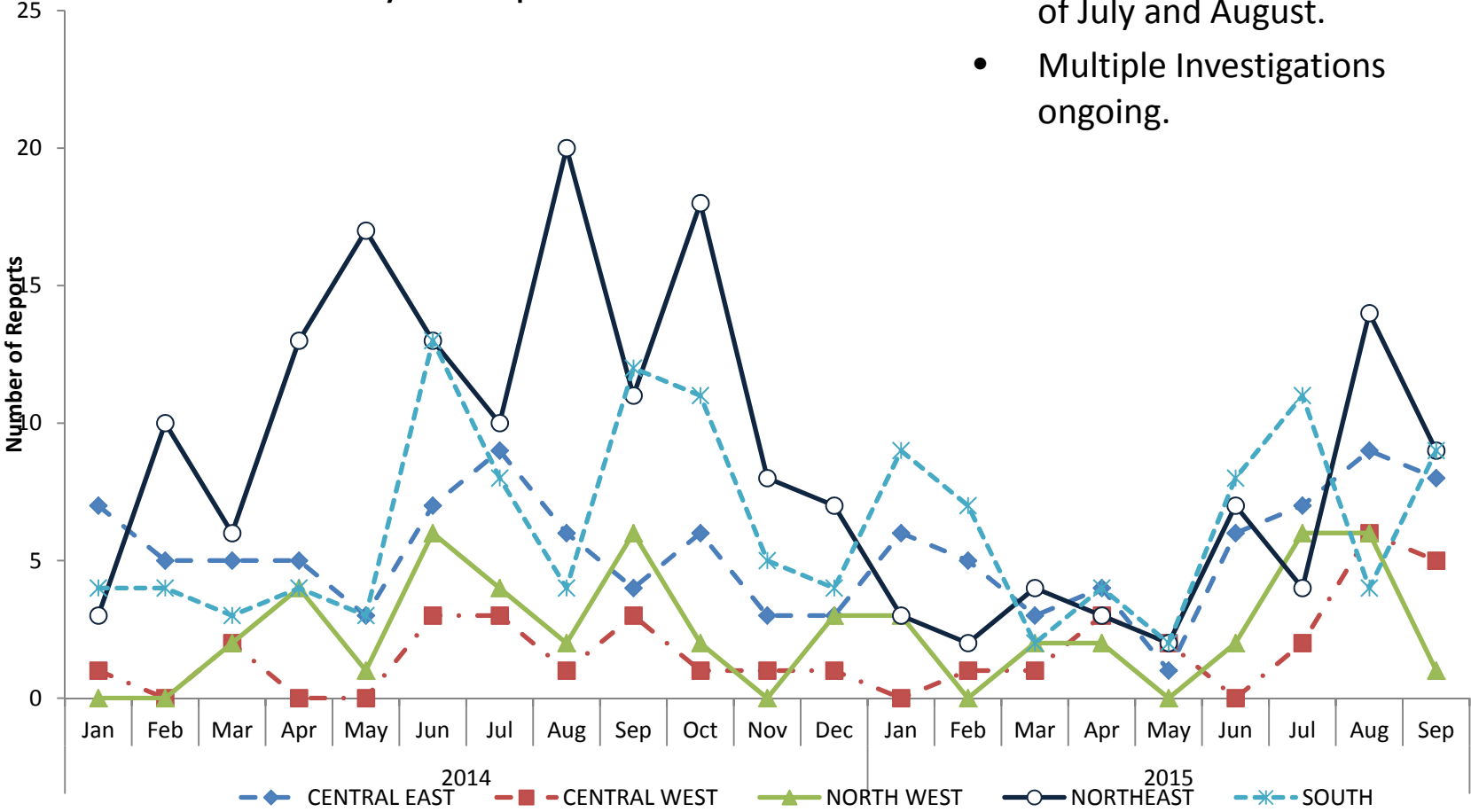
- West Nile virus activity (mosquito and/or avian) has been identified in all 21 counties
- To date there are 900 WNV positive mosquito pools
- 26 WNV positive cases, including two (2) fatalities



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.
- Multiple Investigations ongoing.



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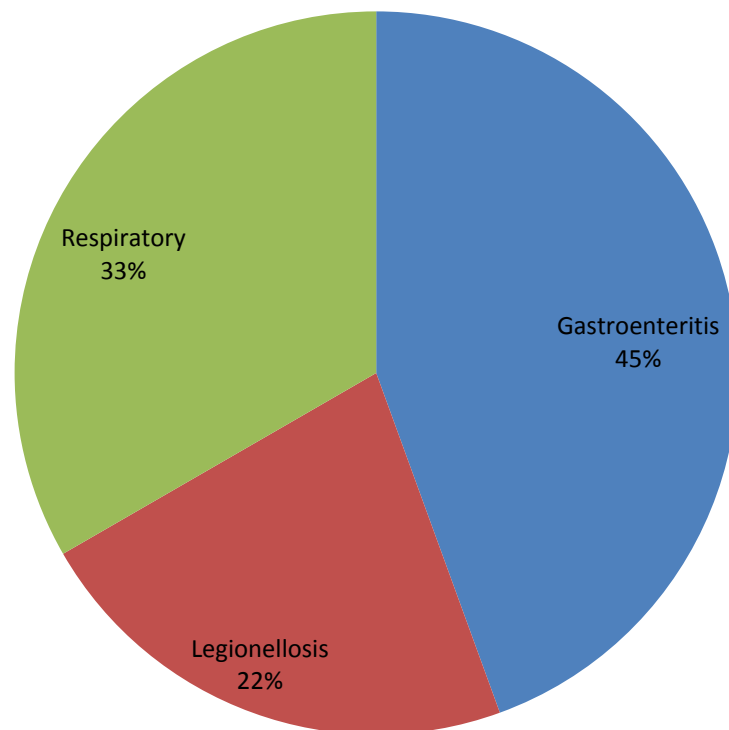
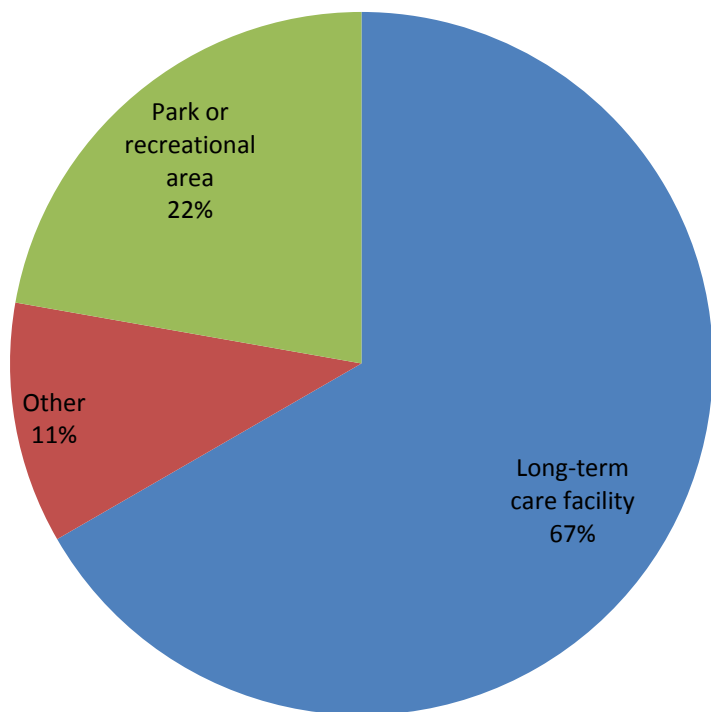
OUTBREAK/CLUSTER REPORTING

Northwest Region Outbreaks

Outbreak/Cluster Setting

N= 9

Outbreak/Cluster Type



9 outbreaks reported and investigated in the Northwest Region during the 3 quarter.