

**EPIDEMIOLOGY SURVEILLANCE REPORT**  
Central Region

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**Please Note :** This report is for use by Public Health Officials only and is 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**


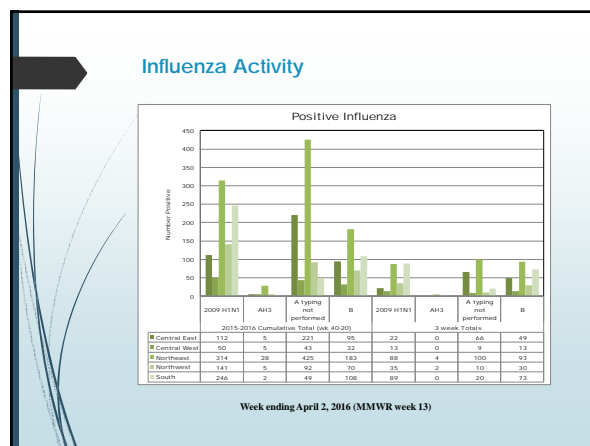
- Provide an overview of communicable disease activity.
- Describe quarterly trends in select communicable diseases
- Highlight interesting and/or notable outbreaks/clusters and/or investigations.

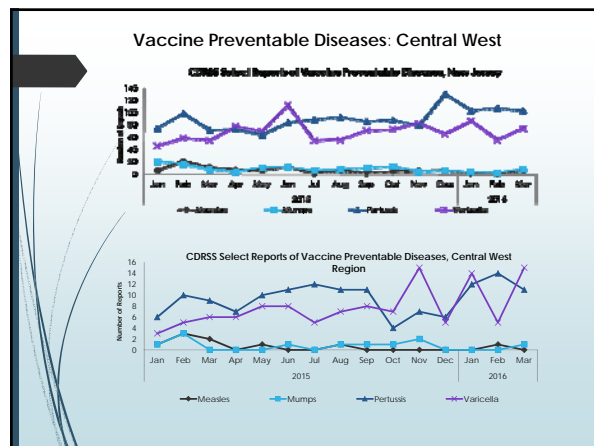
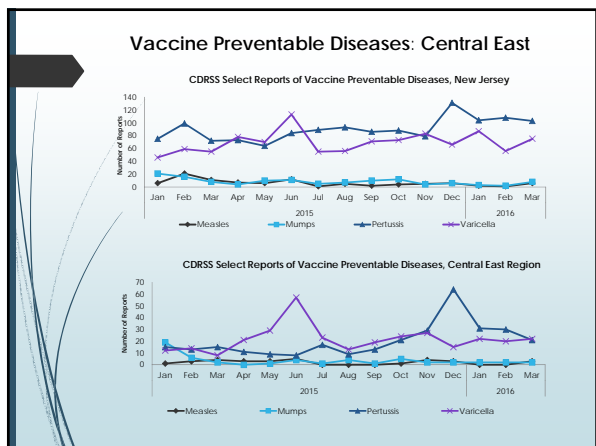
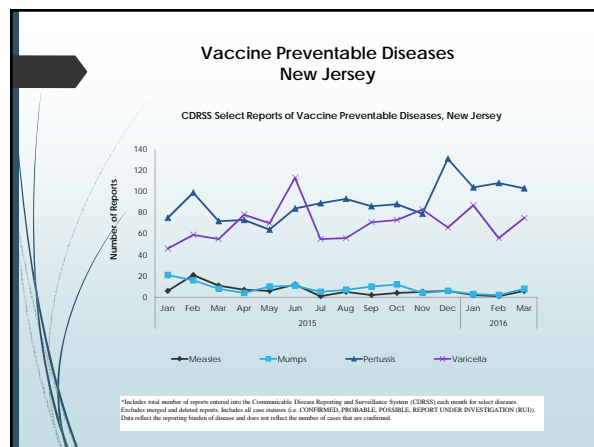
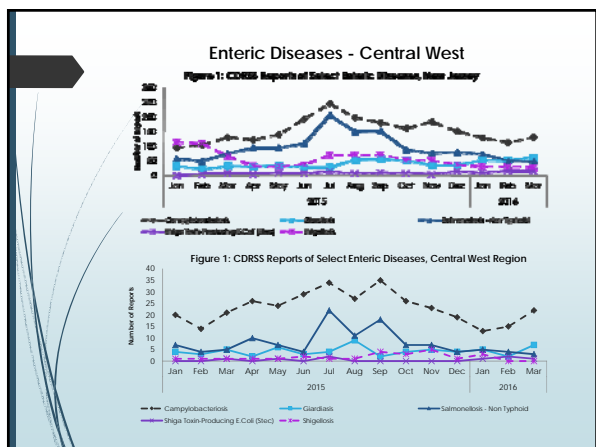
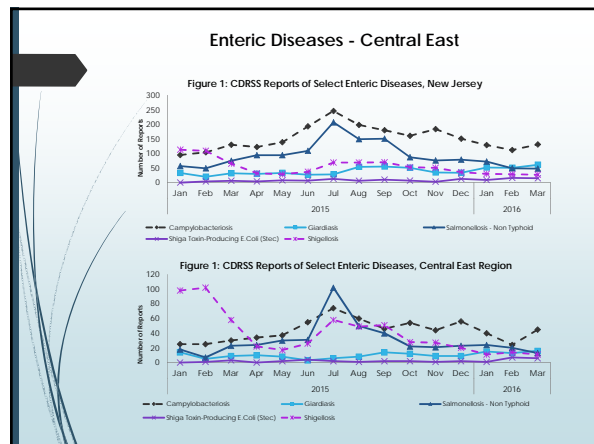
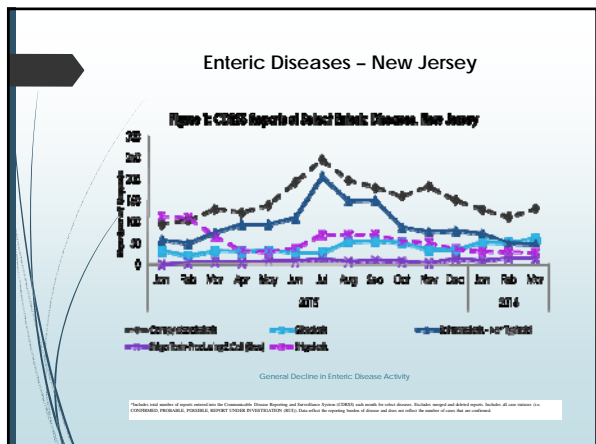
**Select Disease Trends and Activity**

**Influenza Activity**

State Activity Week ending 4/2: HIGH	
Current week Last year: MODERATE	
Regional <sup>1</sup> Data	
Northwest	HIGH
Northeast	HIGH
Central West	HIGH
Central East	HIGH
South	HIGH

General Increase in Influenza Activity Statewide and Central Region



## Vectorborne and Zoonotic Diseases

### Zika Virus

- Across the State, most requests were from the NE Region, with Hudson County having the most requests within the region.
- Central NJ was about average compared to the State.
- Monmouth, Union and Middlesex counties had higher requests compared to Ocean, Mercer and Somerset counties in the Central Region.
- Hunterdon County had the least number of requests in the region.

Number of Requests Approved For Zika Testing by County March 25, 2016

Number Approved Zika requests

100+
75-100
50-75
25-50
0-25

## Vectorborne and Zoonotic Diseases

### New Jersey

#### CDRSS Reports of Select Tick Borne Diseases New Jersey

Number of Reports

2015 2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar

— Babesiosis — Ehrlichiosis/Anaplasmosis — Rocky Mountain Spotted Fever

\*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

### Central East Region

#### CDRSS Reports of Select Tick Borne Diseases New Jersey

Number of Reports

2015 2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar

— Babesiosis — Ehrlichiosis/Anaplasmosis — Rocky Mountain Spotted Fever

#### CDRSS Reports of Select Tick Borne Diseases Central East Region

Number of Reports

2015 2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar

— Central East Region - Babesiosis — Central East Region - Ehrlichiosis/Anaplasmosis — Central East Region - Rocky Mountain Spotted Fever

\*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

### Central West Region

#### CDRSS Reports of Select Tick Borne Diseases New Jersey

Number of Reports

2015 2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar

— Babesiosis — Ehrlichiosis/Anaplasmosis — Rocky Mountain Spotted Fever

#### CDRSS Select Reports of Vaccine Preventable Diseases, Central West Region

Number of Reports

2015 2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar

— Babesiosis — Ehrlichiosis/Anaplasmosis — Rocky Mountain Spotted Fever

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## Vector borne and Zoonotic Diseases

### New Jersey Animal Rabies Cases by Region and Species January 1 - March 31 2016

South Region

Northwest Region

Northeast Region

Central West Region

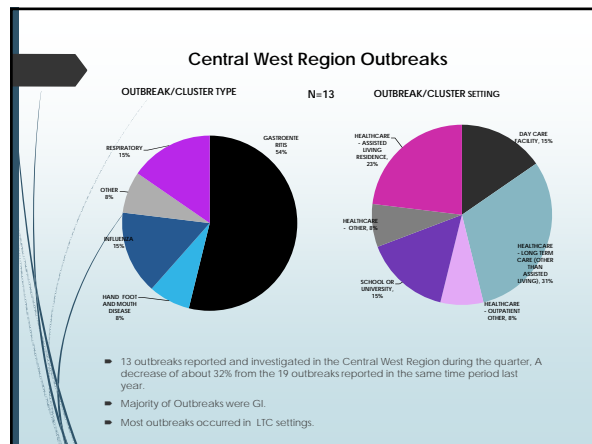
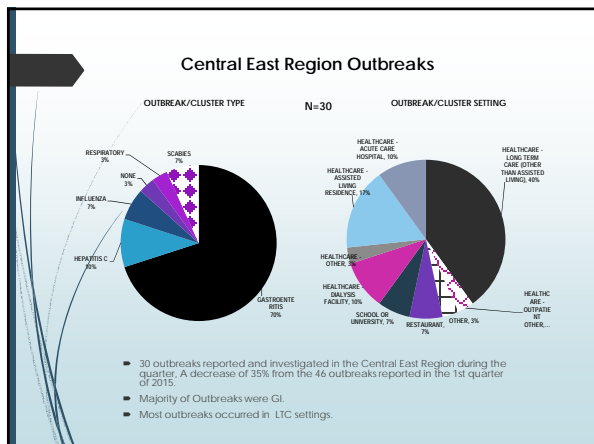
Central East Region

0 2 4 6 8 10 12 14

■ Bat ■ Cat ■ Fox ■ OTHER ■ Raccoon ■ Skunk ■ Dog

- Central East and South had the highest number of animal rabies cases in the State compared to the other regions.
- Most Rabies cases reported in both regions were Raccoons.

## OUTBREAK/CLUSTER REPORTING



Questions?