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

<table>
<thead>
<tr>
<th>Influenza Activity Level²</th>
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</thead>
<tbody>
<tr>
<td>State Activity Week Ending 04/08:</td>
</tr>
<tr>
<td>HIGH</td>
</tr>
<tr>
<td>Current Week Last Year:</td>
</tr>
<tr>
<td>MODERATE</td>
</tr>
<tr>
<td>Regional³ Data</td>
</tr>
<tr>
<td>Northwest</td>
</tr>
<tr>
<td>Northeast</td>
</tr>
<tr>
<td>Central West</td>
</tr>
<tr>
<td>Central East</td>
</tr>
<tr>
<td>South</td>
</tr>
</tbody>
</table>

High Influenza activity level in the State.
High Influenza activity level in the Northwest Region
Influenza Activity

Week Ending April 08, 2017 (MMWR week 14)

Positive Influenza

<table>
<thead>
<tr>
<th>Region</th>
<th>2009 H1N1</th>
<th>AH3</th>
<th>A typing not performed</th>
<th>B</th>
<th>2009 H1N1</th>
<th>AH3</th>
<th>A typing not performed</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central East</td>
<td>1</td>
<td>239</td>
<td>602</td>
<td>209</td>
<td>0</td>
<td>7</td>
<td>12</td>
<td>74</td>
</tr>
<tr>
<td>Central West</td>
<td>0</td>
<td>74</td>
<td>164</td>
<td>50</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>Northeast</td>
<td>2</td>
<td>411</td>
<td>1354</td>
<td>451</td>
<td>0</td>
<td>10</td>
<td>27</td>
<td>192</td>
</tr>
<tr>
<td>Northwest</td>
<td>1</td>
<td>264</td>
<td>448</td>
<td>184</td>
<td>0</td>
<td>6</td>
<td>13</td>
<td>57</td>
</tr>
<tr>
<td>South</td>
<td>1</td>
<td>119</td>
<td>537</td>
<td>118</td>
<td>1</td>
<td>2</td>
<td>15</td>
<td>59</td>
</tr>
</tbody>
</table>
Vaccine Preventable Diseases

Figure 2: CDRSS Select Reports of Vaccine Preventable Diseases, (All)

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

Figure 3: New Jersey Animal Rabies Cases by Region and Species
January 1 - March 31 2017

- **South Region**
- **Northwest Region**
- **Northeast Region**
- **Central West Region**
- **Central East Region**

Legend:
- Bat
- Cat
- OTHER
- Raccoon
- Skunk
OUTBREAK/CLUSTER REPORTING
44 outbreaks reported and investigated in the Northwest Region during the quarter, an increase of 50% from the 22 outbreaks reported in the 4th quarter of 2016.

- Majority of Outbreaks were Influenza, followed by GI.
Majority of Outbreaks occurred in both School or Universities and Long Term Care Facilities

Northwest Region Outbreak/Cluster Location
N=44

- School or university: 43%
- Healthcare - Long Term Care (Other than Assisted Living): 43%
- Day care facility: 5%
- Restaurant: 2%
- Healthcare - Assisted Living Residence: 7%
Questions?