Michigan Disease Surveillance System (MDSS) influenza data through 11/30/15 indicates that there have been no confirmed cases of influenza in Ottawa County submitted to the state laboratory for classifying so far this season. Individual reports are lower than levels seen during the same period in the previous three flu seasons, though testing is not always reflective of the prevalence of influenza in a community. Aggregate reports (Figure 1) of flu-like illness are lower than levels seen during the same time period last year.

Figure 1. Reported Cases of Flu-like Illness by Week

MDSS data in Figure 2 indicates that this season’s weekly number of flu-like illness cases started at levels similar to the average of the previous three seasons, but has been slightly lower. Decreased reporting during week 47 is likely due to the Thanksgiving holiday where many schools were only open 2 days.

Figure 2. Flu-like Illness in Ottawa County During 2015 by Reporting Source

Figure 3. Comparison of Current Flu-like Illness Activity to the Average over the Previous Three Flu Seasons
Michigan Syndromic Surveillance System (MSSS): Data from two emergency departments in Ottawa County indicates that through 12/06/2015, visits for constitutional complaints (Figure 4) are following a typical seasonal pattern and are slowly increasing over the last two weeks.

Emergency department visits for respiratory complaints (Figure 5) are slightly lower than they were in mid November, and are nearly double the percentage at the beginning of September (9.2%). This season's trend line shows evidence that visits to ED for respiratory complaints are similar to what would be expected compared to the average of the previous four seasons. Constitutional symptoms include fever, chills, fatigue, among others. Respiratory symptoms include cough, sore throat, congestion, among others.

Figure 4. 2015-2016 Influenza Season: Percentage of Visits to Emergency Departments for Constitutional Complaints

![Figure 4](image1)

Week ending 12/06/2015

8.5%

October-April (Week of Year)

Avg of Previous Four Influenza Seasons

Current Season

Figure 5. 2015-2016 Influenza Season: Percentage of Visits to Emergency Departments for Respiratory Complaints

![Figure 5](image2)

Week ending 12/6/2015

17.0

October-April (Week of the Year)

Avg of Previous Four Influenza Seasons

Current Season

Influenza and Respiratory Illness Outbreaks in Congregate Settings: There have been no respiratory illness facility outbreaks reported to OCDPH for the 2015-16 season. Respiratory facility outbreaks are listed in the table below by facility type and surveillance region.

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licensed Childcare</td>
<td>0</td>
</tr>
<tr>
<td>K-12 School</td>
<td>0</td>
</tr>
<tr>
<td>Long-term Care or Assisted Living</td>
<td>0</td>
</tr>
</tbody>
</table>

Influenza-associated Pediatric Mortality: No influenza-associated pediatric deaths have been reported to OCDPH for the 2015-16 season.

The data are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS).