Happy National Infant Immunization Week!

**CDC Influenza Surveillance Report**
[https://www.cdc.gov/flu/weekly/](https://www.cdc.gov/flu/weekly/)

During week 15 (April 8 - 14, 2018), influenza activity decreased in the United States.

*High influenza-like illness (ILI) activity* was reported in one state.

*Moderate ILI activity* was reported in two states.

*Low ILI activity* was reported in six states.

*Minimal ILI activity* was reported in the District of Colombia, New York City, Puerto Rico, and 41 states (including Delaware).

*Widespread* influenza activity was reported by five states (including Delaware). *Regional* activity was reported by Guam, Puerto Rico, and 16 states. *Local* activity was reported by 21 states. *Sporadic* activity was reported by the US Virgin Islands, the
District of Colombia, and six states. No influenza activity was reported by the US Virgin Islands and two states.

<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 15</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimen (%)</td>
<td>290 (34.9)</td>
<td>50,664 (55.4)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>101 (34.8)</td>
<td>36,858 (72.7)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>189 (65.2)</td>
<td>13,806 (27.3)</td>
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</tbody>
</table>

In week 15, there were 104 lab-confirmed cases of flu in Delaware, and the state activity remains WIDESPREAD. There were no flu-related deaths.

Figure 1. Confirmed cases\(^1\) of influenza by type and subtype/lineage, Delaware 2017-18\(^*\)

\(^1\) Based on patients with positive nucleic acid or viral culture test results reported to the Delaware Division of Public Health. Data Source: Season 2017 - 2018 Influenza Positive Specimens from Delaware, Reported by WHO/NREVSS Collaborating Laboratories

<table>
<thead>
<tr>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 15</td>
<td>Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>104</td>
</tr>
<tr>
<td>New Castle</td>
<td>22</td>
</tr>
<tr>
<td>Kent</td>
<td>29</td>
</tr>
<tr>
<td>Sussex</td>
<td>53</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
</tr>
</tbody>
</table>
WHO Afro Outbreaks & Emergencies
Week 15: April 7 - 13, 2018
http://apps.who.int/iris/bitstream/handle/10665/272360/OEW15-071342018.pdf

- New Event
  - **Zimbabwe – Cholera** (8 cases, 2 deaths, CFR 25%). The index case was a 24 year-old male from Stoneridge, a suburb of Harare. His symptoms began on March 22, and died April 5. The index case’s father and brother each suffered diarrhea and vomiting, with the father dying.

- Ongoing Events
  - **Liberia – Lassa Fever** (67 cases, 19 deaths, CFR 28.3%). The outbreak is ongoing with 25 new suspected cases and 5 deaths. Six counties have suspected cases, and of the nine lab-confirmed cases, 8 have died (CFR 89%).
  - **Namibian – Crimean-Congo Hemorrhagic Fever** (2 cases, 1 death, CFR 50%). A 36 year-old man from Keetmanshoop district began experiencing symptoms on March 22, after helping a neighbor slaughter a tick-infested cow. He died April 3, the same day a second patient with no epidemiological links presented at the hospital with a history of tick bites, vomiting and fever. The patient was isolated and is stable.
  - **Uganda – Cholera** (2,091 cases, 44 deaths, CFR 2.1%). The outbreak has been ongoing for 10 weeks, and remains clustered in refugee settlements in Hoima District. It continues its downward trend in the four sub-counties Kyangwali, Kabwoya, Buseruka, and Bugambe and Kahooroa. Most refugees are from the DRC province of Ituri.

- Humanitarian Crisis
  - **Ethiopia.** The El-Nino induced drought is fueling an humanitarian crisis resulting in high levels of food insecurity and severe acute malnutrition. Somali region is the most affected (1.7% of the population with SAM). The drought has caused significant livestock losses, reduced access to food, large-scale population displacement, severe and prolonged water shortages, and outbreaks of epidemic-prone diseases (measles and AWD).
  - **Niger.** A poor security situation is causing population displacement, and coupled with natural disasters (flood, drought), the country’s ability to respond to epidemic-prone diseases has been affected. Armed conflicts continue since March, and there have been 48 targeted attacks by Boko Haram, resulting in kidnapping and abduction. Approximately 1,257 people have been displaced.
2018 US Zika Case Counts
*The CDC is now updating this information on a bi-weekly basis.

<table>
<thead>
<tr>
<th></th>
<th>As of April 4, 2018</th>
<th>US Cumulative Since 1/1/15</th>
<th>US Territories 2018</th>
<th>Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>14</td>
<td>5,392</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>229</td>
<td>15</td>
<td>37,043</td>
</tr>
<tr>
<td>Other Route</td>
<td>0</td>
<td>55</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td><strong>5,676</strong></td>
<td><strong>15</strong></td>
<td><strong>37,190</strong></td>
</tr>
</tbody>
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Vaccine bill hearing another Trenton sideshow (NJ)

Hepatitis A outbreak spreads south into Hardin County (KY)

Hepatitis A outbreak reported in 2 West Virginia counties (VA)

Study predicts 2018 flu vaccine will likely have 20 percent efficacy (Science Daily)

National Infant Immunization Week aims to spread awareness (MN)

Vaccines and AMR: Strengthening the Fight (PharmExec.com)

Opinion: Endangering Children in God’s Name (WBUR Public Radio, MA)

In other news…

National Infant Immunization Week (April 21 – 28)
https://www.cdc.gov/vaccines/events/niiw/index.html

World Immunization Week (April 24 – 30)

Chasing a new way to prevent HIV: Passive immunization

Hepatitis vaccines urged for travelers to Kentucky, Michigan

UN health agency: Hungarian scientist exposed to Ebola
https://apnews.com/b7a4a02e40e64c6dbedd5dd831bcb9cc/UN-health-agency-Hungarian-scientist-exposed-to-Ebola

WHO publishes new rabies guidelines and recommendations on lifesaving immunization
If you have something you would like to see added to the ICD’s Week in Review, please e-mail ksmith@delamed.org.