Week in Review
February 26, 2018

Flu Clinics…

Monday Through Friday
Hudson State Service Center, 8:15 am – 11:30 am (walk-ins welcome)
501 Ogletown Road, Newark, DE 19711 | 302-283-7587

Porter State Service Center, 8:15 am – 11:30 am (walk-ins welcome)
509 W. 8th Street, Wilmington, DE 19801 | 302-777-2860

Mondays
Milford State Service Center, 9:00 am – 4:00 pm (by appointment only)
253 NE Front Street, Milford, DE 19963 | 302-424-7130

Wednesdays
Williams State Service Center, 8:00 am – 3:30 pm (by appointment only)
805 River Road, Dover, DE 19901 | 302-857-5140

Fridays
Shipley State Service Center, 8:30 am – 12:00 pm AND 1:00 – 4:00 pm
350 Virginia Avenue, Seaford, DE 19973 | 302-628-6772

Running low on Influenza Vaccine?
Influenza Vaccine Doses are available. If you need additional doses there are resources to assist providers with locating doses to fill their need. The National Adult and Influenza Immunization Summit webpage provides access to the Influenza Vaccine Availability Tracking System- IVATS. Please check this resource for availability

https://www.izsummitpartners.org/ivats/

CDC Influenza Surveillance Report
https://www.cdc.gov/flu/weekly/

During week 7 (February 11 - 17, 2018), influenza activity remained elevated in the United States.
High influenza-like illness (ILI) activity was reported in New York City, the District of Colombia, Puerto Rico, and 39 states (including Delaware).

Moderate ILI activity was reported in 5 states (Connecticut, Hawaii, Iowa, Utah, and Wisconsin).

Low ILI activity was reported in three states (Florida, Idaho, and Washington).

Minimal ILI activity was reported in three states (Maine, Montana, and North Dakota).

Widespread influenza activity was reported in Puerto Rico and 48 states (including Delaware). Local activity was reported by the District of Colombia, Guam, Hawaii, and Oregon. No activity was reported by the US Virgin Islands.

<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 7</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimen (%)</td>
<td>985 (58.6)</td>
<td>35,544 (55.5)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>636 (64.6)</td>
<td>28,895 (81.3)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>349 (35.4)</td>
<td>6,649 (18.7)</td>
</tr>
</tbody>
</table>

In week 7, there were 1,521 lab-confirmed cases of flu in Delaware, and the state activity remains WIDESPREAD. There were 6 flu-related deaths.
### Cases

<table>
<thead>
<tr>
<th></th>
<th>Week 7</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>1521</td>
<td>5758</td>
</tr>
<tr>
<td>New Castle</td>
<td>550</td>
<td>2153</td>
</tr>
<tr>
<td>Kent</td>
<td>420</td>
<td>1526</td>
</tr>
<tr>
<td>Sussex</td>
<td>551</td>
<td>2079</td>
</tr>
<tr>
<td>Deaths</td>
<td>6</td>
<td>19</td>
</tr>
</tbody>
</table>

### Hospitalizations

<table>
<thead>
<tr>
<th></th>
<th>Week 7</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>157</td>
<td>813</td>
</tr>
<tr>
<td>New Castle</td>
<td>80</td>
<td>455</td>
</tr>
<tr>
<td>Kent</td>
<td>38</td>
<td>177</td>
</tr>
<tr>
<td>Sussex</td>
<td>39</td>
<td>181</td>
</tr>
</tbody>
</table>

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#### Figure 1. Confirmed cases of influenza by type and subtype/lineage, Delaware 2017-18

![Graph showing confirmed cases of influenza by type and subtype/lineage.](image)

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/INREVSS Collaborating Laboratories

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March 2018, Volume 24, Issue 3 – Mycobacteria


Perspective: Ending the HIV/AIDS Pandemic

Global Infectious Disease

WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies
Week 8: February 17 - 23, 2018

5 New Events | 47 Ongoing Events | 43 Outbreaks | 9 Humanitarian Crises
http://apps.who.int/iris/bitstream/10665/260242/1/OEW7-101622018.pdf

- New Events:
  - **Uganda – Cholera** (700 cases, 27 deaths, CFR 3.9%). The outbreak began in the Kyangwali refugee settlement (Hoima district). The index case – a 60 year old man – developed AWD and vomiting on Feb 15. That same day, two children died of AWD and severe dehydration. The affected population are mostly newly arrived refugees and a few members of the host community.

- Ongoing Events:
  - **Benin – Lassa Fever** (23 cases, 8 deaths, CFR 34.7%). The situation continues, but is relatively stable. The outbreak began Jan 8, and the date of death of the last confirmed case is Jan 25. The last suspected case was reported Feb 16.
  - **Nigeria – Lassa Fever** (913 cases, 73 deaths, CFR 8.0%). This week saw 68 new confirmed cases and 4 deaths from the states of Edo, Ondo, Ebonyi, Anambra, Bauchi, Imo, and the Federal Capital Territory. Two-thirds of the cases are male, and the people predominantly affected are between 30-50 years old.
  - **South Africa – Listeriosis** (915 cases, 172 deaths, CFR 18.8%). The incidence continues to decline since reaching its peak in Dec 2017. Gauteng Province remains the most affected (59% of cases). Ages of affected range from birth to 92 years (median 20 years), and 41% are neonates aged 28 days or younger. Females account for 56% of cases.
  - **Zimbabwe – Cholera** (107 cases, 4 deaths, CFR 3.7%). The outbreak has remained stable, with no new cases reported since Feb 14. The majority of cases originated from a residential area in Chegutu Municipality, while 12 cases were scattered in different peri-urban areas of Chegutu.

- Humanitarian Crisis:
  - **DRC.** The security situation in the DRC remains precarious, and the UN Office for the Coordination of Humanitarian Affairs (OCHA) estimates that 4.5 million people have been internally displaced (52% women). There has been serious deterioration since January 2018 following fighting, which has resulted in a fresh influx of refugees to Burundi, Rwanda, and Uganda. Health facilities and schools have been looted, reducing access to medical care and scholarly pursuits – access to these areas by aid workers remains limited. The cholera outbreak continues to show a downward trend, and the measles outbreak continues.
  - **Niger.** The situation remains complex: a state of emergency has been effective in the Tillabery and Tahoua regions since March 2017; conflict, insecurity, and instability exacerbate a humanitarian situation and exacerbate the socioeconomic status of local communities; extreme poverty, limited livelihood opportunities, and food insecurity continue. The Boko Haram military activity continues to make the security situation volatile and unpredictable. There are many displaced persons, refugees, IDPs, and
returnees living in unstructured sites. There were 68 abduction cases reported in 2017. Niger is also susceptible to meningitis outbreaks during the dry season (December – June) and has seen 14 suspected cases and one death in week 6.

- 2/22: China – Human infection with avian influenza A(H7N4)
- 2/19: Mozambique - Cholera

**Zika: Areas at Risk**
- **Africa**: Angola, Benin, Burkina-Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Cote d’Ivoire, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Sudan, Sudan, Tanzania, Togo, Uganda
- **Asia**: Bangladesh, Burma (Myanmar), Cambodia, India, Indonesia, Laos, Malaysia, Maldives, Pakistan, Philippines, Singapore, Thailand, Timor-Leste (East Timor), Vietnam
- **Caribbean**: Anguilla, Antigua & Barbuda, Aruba, Barbados, Bonaire, British Virgin Islands, Cuba, Curacao, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Montserrat, Puerto Rico, Saba, Saint Kitts & Nevis, Saint Lucia, Saint Martin, Saint Vincent & the Grenadines, Sint Eustatius, Sint Maarten; Trinidad & Tobago, Turks & Caicos, US Virgin Islands
- **Central America**: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama
- **North America**: Mexico
- **The Pacific Islands**: Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga
- **South America**: Argentina, Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

**2018 US Case Counts**
*The CDC is now updating this information on a bi-weekly basis.*

<table>
<thead>
<tr>
<th></th>
<th>US 2018</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2018</th>
<th>Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Travelers</strong></td>
<td>3</td>
<td>5,376</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td><strong>Local Mosquito-borne infection</strong></td>
<td>0</td>
<td>228</td>
<td>1</td>
<td>37,028</td>
</tr>
<tr>
<td><strong>Other Route</strong></td>
<td>0</td>
<td>54</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>3</td>
<td>5,658</td>
<td>1</td>
<td>37,175</td>
</tr>
</tbody>
</table>
Meningitis B and Your College Student: Preventing The Call

**From the Immunization Action Coalition**

**Issue 1351**: February 21, 2018
http://www.immunize.org/express/issue1351.asp

**Ask the Experts**: Special Edition
http://www.immunize.org/express/issue1350.asp


**OPINION**: Undercutting the immunization program puts both lives and dollars at risk.

**MMR Vaccination Recommendations for the Ongoing Mumps Outbreak in Alaska (AK)**

**Trump appears to abandon vaccine sceptic group denounced by scientists**

**False online information on vaccines contributed to Measles outbreak**

**Flu Vaccine Period to be Extended**
Do vaccines contain glyphosate? Examining the anti-GMO claim

Hepatitis A outbreak continues to simmer in Nourth County (CA)

UGA researchers hit halfway point with potential universal flu vaccination (GA)

Your Healthy Family: Short and long term future of flu vaccine (CO)

New US flu vaccine likely to include different H3N2 component

In other news…

Doctor accused of giving children partial and possibly unsterile vaccines

Italy’s vaccine debate shows anti-establishment sway
http://abcnews.go.com/Health/wireStory/italys-vaccine-debate-shows-anti-establishment-sway-53355731

Measles cases in Europe quadruple as vaccination rates drop

Metro Detroit anti-vaccination mother back in court

Prevention is better than cure: Targeted vaccination to halt epidemics
https://www.sciencedaily.com/releases/2018/02/180223132004.htm

YouTube Videos for your patients:
How the HPV vaccine works:
https://www.youtube.com/watch?v=qF7pBzU4D20&feature=youtu.be
Vaccines for older adults:
https://www.youtube.com/watch?v=hodb65EkorM&feature=youtu.be

If you have something you would like to see added to the ICD’s Week in Review, please e-mail ksmith@delamed.org.