**Week in Review**

**October 16, 2017**

**Continuing Education…**

**CDC UpShot Webinar:** Understanding and Addressing Parent Questions about Childhood Vaccines  
**Tuesday, October 17, 12:00 – 1:00 pm ET**  
Register here: [https://www2.cdc.gov/vaccines/ed/nvpo/](https://www2.cdc.gov/vaccines/ed/nvpo/)

**NFID Webinar:** Hepatitis A and B Vaccines: Recommendations and Impact  
**Wednesday, October 18, 12:00 pm ET**  
Register here: [https://cc.readytalk.com/registration/#!/?meeting=ta5dattzsdma&campaign=u2bzyojkwb8f](https://cc.readytalk.com/registration/#!/?meeting=ta5dattzsdma&campaign=u2bzyojkwb8f)

**VIC Network:** What’s your HPV IQ? A conversation about Immunization Quality Improvement Tools  
**Thursday, October 19, 1:00 – 2:00 pm ET**  
Register here: [https://cc.readytalk.com/registration/#!/?meeting=55tu3jh6exp5&campaign=4cvram2j9aja](https://cc.readytalk.com/registration/#!/?meeting=55tu3jh6exp5&campaign=4cvram2j9aja)

**LIVE EVENT:** HPV Uptake Effort in Delaware  
**Monday, November 6, 9:00 am – 1:00 pm ET**  
**Helen F. Graham Cancer Center**  

Confronting Barriers to HPV Vaccination  
**Free CEUs until December 1, 2017**  
Find it here: [https://hrsacqpub1.connectsolutions.com/content/connect/c1/7/en/events/event/shared/92301866/event_landing.html](https://hrsacqpub1.connectsolutions.com/content/connect/c1/7/en/events/event/shared/92301866/event_landing.html)

**Upcoming Flu Clinics…**

**Tuesday, Oct 17:**

Laurel Fire Hall, 4:00 pm – 6:30 pm  
205 W. 10th Street, Laurel DE 19956 | 302-875-3081

Hudson State Service Center, 10:00 am – 2:00 pm  
501 Ogletown Road, Newark DE 19711
Thursday, Oct 19:
Dover Public Library, 9:00 am – 12:00 pm
35 Loockerman Plaza, Dover DE 19901 | 302-272-0357

Bridgeville Public Library, 2:00 – 5:00 pm
600 S. Cannon Street, Bridgeville DE 19931 | 302-272-0357

Friday, Oct 20:
New Castle County Farmers Market, 3:00 – 6:30 pm
101 North DuPont Highway, New Castle, DE 19720

Saturday, Oct 21:
Laurel Junction, 9:00 am – 2:00 pm
10912 County Seat Highway, Laurel DE 19956 | 302-841-5864

Welcome to the 2017 – 2018 Flu Season!

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

During week 40 (October 1-7, 2017), influenza activity was low in the United States.

Widespread influenza-like illness (ILI) activity was reported in Guam.
Local ILI activity was reported in 2 states (Colorado and South Carolina).


No ILI activity was reported in 10 states (Delaware, Kansas, Maryland, Nebraska, Nevada, New Hampshire, Rhode Island, Tennessee, Vermont, and West Virginia).


In week 40, there were 0 lab-confirmed cases of flu in Delaware.

October 2017 Issue: Bacterial Infections

Investigation of Outbreaks of *Salmonella enterica* Serovar Typhimurium and its Monophasic Variants Using Whole-Genome Sequencing, Denmark
https://wwwnc.cdc.gov/eid/article/23/10/16-1248_article

Global Infectious Disease

WHO Africa: Weekly Bulletin on Outbreaks and Other Emergencies
Week 41: October 7 - 13, 2017

3 New Events | 41 Ongoing Events | 32 Outbreaks | 12 Humanitarian Crises
http://apps.who.int/iris/bitstream/10665/259263/1/OEW41-713102017.pdf

- New Events:
  - Namibia – *Wildlife anthrax*. On 10/01/2017, wildlife authorities reported deaths of several hippopotamus in Bwabwata National Park, Kavango East Region (bordering Botswana and Angola). Two successive aerial surveys counted 162 dead hippos. In addition, 20 buffalos were reported dead in that area. Samples collected on 10/11 from the hippo carcasses showed *Bacillus anthracis*. No human cases have been reported or suspected to
date, but there are unconfirmed reports that members of a nearby village consumed meat from 2 hippo carcasses.

- **Zambia** – **cholera** (44 cases, 1 death, CFR 2.3%). An outbreak of cholera was reported in the suburbs of the capital city of Lusaka on 10/04. The outbreak has spread to several sub-districts in densely populated peri-urban areas. Contaminated water supplies is strongly suspected as the cause of the outbreak.

- **Ongoing Events:**
  - **Madagascar** – **plague** (711 cases, 64 deaths, CFR 9.0%). There has been an overall reduction in the CFR for this outbreak. Reports of plague are coming from 12 districts (55% from the Antananarivo Renivohitra District). Pneumonic – 506 (71.2%), bubonic – 167 (23.5%), septicemic – 1, unspecified – 36. At least 26 healthcare workers have contracted the plague since the beginning of the outbreak.
  - **Burkina Faso** – **Dengue** (2,298 cases, 9 deaths, CFR 0.4%). The country has experienced sporadic cases of dengue fever this year, until week 10, when cases stopped. In week 31 (ending August 6), there began an increase in the incidence of dengue within the country, especially in the districts around the capital city of Ouagadougou.

- **Humanitarian Crisis:**
  - **DRC.** The situation has deteriorated in recent months due to intensified conflict. The number of people in need has increased to 8.5 million people. More than half of the total needs are consequences of the conflict and of the population movements. 492,000 refugees have fled to neighboring countries. Close to 4 million people are internally displaced.
  - **South Sudan.** Mass population displacement continues as a result of unrelenting conflict and insecurity. Over 42,000 people have been displaced, and further displacement has been caused by floods after the rainy season (which has also destroyed farmland and increased cases of malaria). Cholera cases continue to decline, although there is still active transmission.


- 10/15: Seychelles – Suspected plague (from Madagascar)

**Zika: Areas at Risk**

- **Africa:** Angola, Benin, Burkina-Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Cote d’Ivoire, DRC, 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, The Bahamas, 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, Marshall Islands, Micronesia, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga
- **South America**: Argentina, Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

**2017 US Case Counts**

<table>
<thead>
<tr>
<th></th>
<th>As of Oct 11, 2017</th>
<th>US Cumulative Since 1/1/15</th>
<th>US Territories Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>287</td>
<td>5,259</td>
<td>0</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>1</td>
<td>225</td>
<td>582</td>
</tr>
<tr>
<td>Other Route</td>
<td>3 (sex)</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>291</strong></td>
<td><strong>5,534</strong></td>
<td><strong>582</strong></td>
</tr>
</tbody>
</table>

**40 States with symptomatic disease cases**: Alabama, Alaska, Arizona, California, Colorado, District of Colombia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming

**10 States without symptomatic disease cases**: Arkansas, Connecticut, Delaware, Idaho, Montana, New Hampshire, New Mexico, North Dakota, South Dakota, Tennessee,

**Territories effected**: American Samoa, Puerto Rico, US Virgin Islands

The Continued Legacy of Every Child By Two Co-Founder Betty Bumpers

**From the Immunization Action Coalition**
Ask the Experts: Please explain why pneumococcal polysaccharide vaccine is recommended for smokers or people with diabetes younger than age 65 but pneumococcal conjugate vaccine is not recommended for these groups.


Here's what to know about Michigan’s vaccine law. (MI)

Hearing adjourned in Oakland Co. vaccination case. (MI)

Should parents be punished for not vaccinating their children? (Healthline)

Oakland County case could put vaccines on trial. (MI)

OPINION: As immunization rates drop, schools must do more to engage parents about student health. (TrustED)

Attorney tries to use anti-vax doctor as expert witness in court. (Oxygen)

Leading pediatrician says HPV vaccine facts speak for themselves. (IRE)

Liberia: Ebola test vaccines produce year-long immune response in most study participants. (All Africa)

In other news…

Amid fear and guns, polio finds a refuge –
More men than women infected with oral human papillomavirus -

WHO supports the immunization of 874,000 people against yellow fever in
Nigeria - http://www.who.int/mediacentre/news/releases/2017/immunization-
yellowfever-nigeria/en/

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