Continuing Education…

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

Upcoming Flu Clinics…

Saturday, Nov 4:  
Iglesia Betel UMC, 9:00 am – 3:00 pm  
310 S Railroad Avenue, Georgetown DE 19947 | 302-856-5213

Monday, Nov 6:  
Blades Fire Hall, 4:00 – 6:30 pm  
200 E 5th Street, Blades DE 19973 | 302-629-4896

Thursday, Nov 9:  
Greenwood Fire Hall, 4:00 – 6:30 pm  
12611 Sussex Highway, Greenwood DE 19950 | 302-670-4951

CDC Influenza Surveillance Report  
https://www.cdc.gov/flu/weekly/
During week 42 (October 15-21, 2017), influenza activity was low in the United States.

Regional influenza-like illness (ILI) activity was reported in Guam.

Local ILI activity was reported in Puerto Rico and 12 states (Arizona, Colorado, Georgia, Hawaii, Kentucky, Louisiana, Maine, Massachusetts, New Mexico, Oklahoma, South Carolina, and Texas).

Sporadic ILI activity was reported by the District of Colombia and 33 states (Alabama, Alaska, Arkansas, California, Connecticut, Delaware, Florida, Idaho, Indiana, Iowa, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Utah, Vermont, Virginia, Washington, Wisconsin, and Wyoming).

No ILI activity was reported 5 states (Illinois, Kansas, New Hampshire, Rhode Island, and West Virginia).


<table>
<thead>
<tr>
<th>Specimen Tested</th>
<th>Week 42</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Specimen (%)</td>
<td>81 (14.2)</td>
<td>677 (2.57)</td>
</tr>
<tr>
<td>Influenza A (%)</td>
<td>78 (96.3)</td>
<td>482 (71.2)</td>
</tr>
<tr>
<td>Influenza B (%)</td>
<td>3 (3.75)</td>
<td>195 (28.8)</td>
</tr>
</tbody>
</table>

In week 42, there was 1 lab-confirmed case of flu in Delaware (NCC), raising the state activity to SPORADIC.
New Events:

- **Uganda** – *Marburg Virus Disease* (6 cases, 3 deaths, CFR 50%). The outbreak continues to evolve. The cases are being reported in the Kween and Kapchorwa Districts. The first probable case was a male game hunter in his 30s, but no specimens were collected for testing. Two other cases (and deaths) were relatives of this first patient.

- **Madagascar** – *Plague* (1,554 cases, 113 deaths, CFR 7%). The outbreak continues to improve, and the number of new cases of pulmonary plague have declined in all active areas of the country. 16 previously affected districts reported no new confirmed or probable cases of pulmonary plague in the last two weeks. Thus far, 63% (985) are clinically classified as pulmonary, 15% (230) bubonic, 1 case was septicemic, and 338 have been unspecified. Thus far, 71 health care workers (0 deaths) have been affected.

- **Cabo Verde** – *Malaria* (343 cases, 1 death, CFR 0.3%). Local transmission of malaria continues, with 40 new cases reported this week. Of these, seven cases were severe, and 2 cases were in pregnant women. Local transmission has been limited to the city of Praia on Santiago Island, without any further spread.

- **Cote d’Ivoire** – * Dengue Fever* (1,281 cases, 2 deaths, CFR 0.2%). Only two new suspected cases were reported this week. Of the 311 confirmed cases, 181 isolated DENV-2, 78 isolated DENV-3,
and 13 samples DENV-1. Abidjan city remains the epicenter of the outbreak.

- Zambia – Cholera (130 cases, 3 deaths, CFR 2.3%). The outbreak has been controlled in the Lusaka suburbs. There have been no new cases since 10/22.
- Nigeria (Borno State) – Cholera (5,259 cases, 61 deaths, CFR 1.2%). The outbreak has continued to improve, with only 53 new suspected cases and no deaths.

- Humanitarian Crisis:

WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 10/26: Seychelles – Suspected plague (from Madagascar)
- 10/26: China – Human infection with avian influenza A (H7N9) virus
- 10/25: Uganda – Marburg Virus Disease

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>US 2017</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2017</th>
<th>Cumulative Since 1/1/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>322</td>
<td>5,279</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>1</td>
<td>225</td>
<td>583</td>
<td>36,928</td>
</tr>
<tr>
<td>Other Route</td>
<td>3 (sex)</td>
<td>50</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>326</td>
<td>5,554</td>
<td>583</td>
<td>37,075</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

In “The Pathological Optimist” Wakefield Profits From False Hope and a Disproved Autism-MMR Hypothesis

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**From the Immunization Action Coalition**

**Issue 1332:** October 25, 2017

**Ask the Experts:** Our patient is starting college with no documented doses of meningococcal ACWY vaccine and has had titers drawn. The lab test was positive for A, C, W, and Y. Lab reference values show >2.1 as "suggestive of protection." Can we accept this titer in lieu of documented MenACWY vaccine doses?

Illinois house passes bills targeting vaccine exemptions, credit freeze fees.

Employee mandatory flu shot policy provokes outrage – and a lawsuit.

Rise in mumps cases prompts experts to recommend 3rd vaccine

Who should get the new shingles vaccine?

In other news…

Leprosy neglected in Nigeria as health spotlight turns away
http://news.trust.org/item/20171027050727-jeuv4/

Research breakthrough raises hope of predicting future Ebola outbreaks

The unforgiving math that stops epidemics
https://www.quantamagazine.org/the-unforgiving-math-that-stops-epidemics-20171026/

What you need to know about the new shingles vaccine -

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