Continuing Education!
http://www.immunizedelaware.org/for-professionals/continuing-education-events/

Webinar: “The ‘Shoestring Budget’ Plan for Doing HPV Vaccination Quality Improvement in Primary Care Offices”
Dr. Sharon Humiston MPH, FAAP and Dr. Rebecca Perkins MSc, FACOG will focus on HPV vaccination and the highlights of quality improvement for primary care offices. They will describe how your team can craft an aim statement and a set of measurements to propel you toward success. Dr. Humiston and Dr. Perkins will show you how you can generate change ideas and utilize your office data to be even better in increasing your HPV vaccination rates!
Tuesday, April 30 from 3:00 – 4:00 pm, ET

Webinar: “There’s an App for That: Increasing HPV Vaccination Rates”
Learn from Sharon Humiston, MD, MPH, FAAP, about the benefits of using the HPV Same Way Same Day app as a clinic training tool to increase HPV vaccination rates!

This webinar will showcase the app’s features: Learn about the HPV vaccine and strategies for broaching it with parents; Engage in a series of simulated role-play conversations with a fully animated parent and her child, while receiving personalized feedback from a virtual coach and Access resources about HPV vaccinations and motivational interviewing.
Tuesday, May 21 from 3:00 – 3:30 pm ET

Need a Flu Shot? Flu clinics:

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>ADDRESS</th>
<th>COUNTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONDAYS – FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Hudson State Service Center</td>
<td>501 Ogletown Road, Newark 302-283-7587</td>
<td>New Castle</td>
</tr>
<tr>
<td>MONDAYS - FRIDAYS</td>
<td>8:15a – 11:30a</td>
<td>Porter State Service Center</td>
<td>509 W. 8th Street, Wilmington 302-777-2860</td>
<td></td>
</tr>
<tr>
<td>MONDAYS</td>
<td>1:00p – 3:00p</td>
<td>Milford State Service Center</td>
<td>253 NE Front Street, Milford 302-424-7130 APPOINTMENT</td>
<td>Kent</td>
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<tr>
<td>MONDAYS - THURSDAYS</td>
<td>8:00a – 3:30p</td>
<td>Williams State Service Center</td>
<td>805 River Road, Dover 302-857-5140 APPOINTMENT</td>
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<tr>
<td>MONDAYS - FRIDAYS</td>
<td>8:30a – 4:00p</td>
<td>Shipley State Service Center</td>
<td>350 Virginia Ave Seaford 302-628-6772</td>
<td>Sussex</td>
</tr>
</tbody>
</table>
New CDC App!
PneumoRecs VaxAdvisor mobile app: http://www.cdc.gov/vaccines/pneumoapp

Flu Update

The Centers for Disease Control and Prevention (CDC) is issuing this health advisory to notify clinicians that influenza activity remains high in the United States, with an increasing proportion of activity due to influenza A(H3N2) viruses, continued circulation of influenza A(H1N1) viruses, and low levels of influenza B viruses. https://emergency.cdc.gov/han/han00419.asp

Week 15 (March 31 – April 6, 2019):

In-season burden estimates of flu in the United States https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm

Influenza activity in the United States continues to decrease, but remains elevated; influenza A(H1N1)pdm09 viruses predominated from October to mid-February, and influenza A(H3N2) viruses have been predominant since late February. Influenza B viruses have been identified in small numbers.

Influenza-like Illness (ILI) Activity:
- One state experienced high ILI activity.
- Five states experienced moderate ILI activity.
- New York City, Puerto Rico, and 14 states experienced low ILI activity.
- The District of Colombia and 30 states (including Delaware) experienced minimal ILI activity.
- Data were insufficient to calculate an ILI activity level from the US Virgin Islands.

Geographic Spread:
- Widespread influenza activity was reported by 11 states (including Delaware).
- Regional influenza activity was reported by Puerto Rico and 20 states.
- Local influenza activity was reported by the District of Columbia and 17 states.
- Sporadic influenza activity was reported by the U.S. Virgin Islands and two states.
- Guam did not report.
Since 9/30/2018

Specimens tested 22,526 1,023,853
Positive Specimens 2,669 (11.8%) 168,344 (16.4%)
Influenza A 2,266 (84.9%) 160,956 (95.6%)
Influenza B 403 (15.1%) 7,447 (4.4%)

In Delaware, there were 111 lab-confirmed cases of influenza. Delaware’s influenza activity level remains WIDESPREAD. There were 0 flu-related deaths.

<table>
<thead>
<tr>
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<th>Cases</th>
<th>Hospitalizations</th>
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<tbody>
<tr>
<td></td>
<td>Week 15</td>
<td>Week 15 Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>111</td>
<td>6,321 21 1,035</td>
</tr>
<tr>
<td>New Castle</td>
<td>30</td>
<td>2,403 8 516</td>
</tr>
<tr>
<td>Kent</td>
<td>30</td>
<td>1,670 3 240</td>
</tr>
<tr>
<td>Sussex</td>
<td>51</td>
<td>2,248 10 279</td>
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<tr>
<td>Deaths</td>
<td>0</td>
<td>24</td>
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</table>

May 2019, Volume 25, Issue 5 – High-Consequence Pathogens
https://wwwnc.cdc.gov/eid/content/25/5/pdfs/v25-n5.pdf

WHO Afro Outbreaks & Emergencies
Week 14: April 01 - 07, 2019
• New Events
• Ongoing Events
  o **DRC – Ebola Virus Disease** (1,251 cases, 803 deaths, CFR 64%). One hundred five new confirmed cases have been reported, with an additional 82 deaths. Eighty-eight health workers have been affected, with 31 deaths. Twenty-one health zones have reported at least one confirmed or probable case, and 11 have reported confirmed cases in the last 21 days.
  o **Kenya – Cholera** (1,212 cases, 5 deaths, CFR 0.4%). Two counties along the northern border of Tanzania have notified the WHO of a cholera outbreak in January.
  o **Madagascar – Measles** (123,093 cases, 857 deaths, CFR 0.7%). The outbreak continues, though there is a decline in incidence. Children aged nine months to nine years have been the most affected.
• Humanitarian Crisis
  o **South Sudan**. There are 7.1 M people in need of humanitarian assistance, 1.87 M internally displaced persons, and 2.27 M South Sudanese refugees in neighboring countries. Approximately 100,000 people returned to their original areas between December 2018 and March 2019, creating further stresses on infrastructure. Food insecurity, and epidemic prone diseases (measles, AWD, malaria, acute flaccid paralysis) continue to stress the country.
  o **Northeast Nigeria**. The crisis continues unabated, with insurgent attacks causing widespread displacement. The health system is still weak, and disease outbreaks (measles) continue.

- 4/18: DRC – Ebola Virus Disease
- 4/18: Brazil – Yellow Fever

**CDC Current Outbreak List** ([https://www.cdc.gov/outbreaks/index.html](https://www.cdc.gov/outbreaks/index.html))
- Ground Beef – *E. Coli* (April 2019)
- Pre-Cut Melons – *Salmonella* (April 2019)

**Travel Notices**
- March
  o Cyclone Idai (Mozambique, Malawi, Zimbabwe)
  o Mexico - Drug-Resistant Infections, Bariatric Surgery
  o Philippines – Measles
- February
  o Indonesia – Polio
  o India – Zika
  o Fiji – Leptospirosis
- January
  o Nigeria – Yellow Fever

<table>
<thead>
<tr>
<th></th>
<th>US 2019</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2019</th>
<th>Cumulative Since 1/1/15</th>
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<tbody>
<tr>
<td>Travelers</td>
<td>0</td>
<td>5,460</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>231</td>
<td>0</td>
<td>37,157</td>
</tr>
<tr>
<td>Other Route</td>
<td>0</td>
<td>55</td>
<td>0</td>
<td>0</td>
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<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td>5,746</td>
<td>0</td>
<td>37,304</td>
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From the Immunization Action Coalition

Issue 1421: April 17, 2019
http://www.immunize.org/express/issue1421.asp

In other news…

America’s Zika hot-spot remains Puerto Rico
https://www.vaxbeforetravel.com/puerto-rico-reported-146-zika-symptomatic-cases-during-2018

Decline in measles vaccination is causing a preventable global resurgence of the disease

Five questions for Mark Honigsbaum: The Scourge of Pandemics
https://undark.org/article/five-questions-pandemic-honigsbaum/

Gene therapy restores immunity in infants with rare immunodeficiency disease

In rare cases, immune system fails despite HIV suppression

The global measles epidemic isn’t (just) about measles
WHO Ebola responder killed in attack on the Butembo hospital

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