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

Webinar: “Preventing HPV Cancers through Health Systems: A Tale from Three Systems”
Tune in to hear from clinicians and quality improvement leaders on why their Large Health Systems Action Guides prioritized HPV vaccination, what goals they set, and key lessons learned as they approach the halfway mark of the pilot initiative.

Wednesday, April 10 from 12:30 – 1:30 pm
Register: https://events-na5.adobeconnect.com/content/connect/c1/951358841/en/events/event/shared/1480695977/event_registration.html?connect-session=na5breezigu7b5fzc2ymwnyv&scoid=2094187041&campaign-id=500&charset=utf-8

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
Register: https://events-na5.adobeconnect.com/content/connect/c1/951358841/en/events/event/shared/1480695977/event_registration.html?connect-session=na5breezb3uyxgki544vbn38&scoid=2071908761&campaign-id=500&charset=utf-8
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>
<td></td>
</tr>
<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!
PneumoReps VaxAdvisor mobile app: [http://www.cdc.gov/vaccines/pneumoapp](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](https://emergency.cdc.gov/han/han00419.asp)

Week 13 (March 24 – March 30, 2019):

In-season burden estimates of flu in the United States [https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm](https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm)
Influenza activity in the United States decreased, 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:
- Six states experienced high ILI activity.
- Nineteen states experienced moderate ILI activity.
- New York City, the District of Colombia, and seven states experienced low ILI activity.
- New York City, the District of Colombia, Puerto Rico, and 13 states experienced low ILI activity.
- Twelve 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 Puerto Rico and 34 states (including Delaware).
- Regional influenza activity was reported by 15 states.
- Local influenza activity was reported by the District of Columbia and one state.
- Sporadic influenza activity was reported by one state.
- Guam and the U.S. Virgin Islands did not report.
Week 13 | Since 9/30/2018
---|---
Specimens tested | 29,407 | 939,381
Positive Specimens | 5,324 (18.1%) | 154,262 (16.4%)
Influenza A | 4,942 (92.8%) | 148,056 (96.0%)
Influenza B | 382 (7.2%) | 6,206 (4.0%)

In Delaware, there were 193 lab-confirmed cases of influenza. Delaware’s influenza activity level remains WIDESPREAD. There were 3 flu-related deaths.

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 13</td>
<td>Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>193</td>
<td>6,047</td>
</tr>
<tr>
<td>New Castle</td>
<td>66</td>
<td>2,327</td>
</tr>
<tr>
<td>Kent</td>
<td>56</td>
<td>1,574</td>
</tr>
<tr>
<td>Sussex</td>
<td>71</td>
<td>2,146</td>
</tr>
<tr>
<td>Deaths</td>
<td>1</td>
<td>20</td>
</tr>
</tbody>
</table>

**WHO Afro Outbreaks & Emergencies**

Week 13: March 25 - 31, 2019
- [https://apps.who.int/iris/bitstream/handle/10665/311613/OEW13-2531032019.pdf](https://apps.who.int/iris/bitstream/handle/10665/311613/OEW13-2531032019.pdf)
- New Events
- Ongoing Events
  - **DRC – Ebola Virus Disease** (1,082 cases, 676 deaths, CFR 62%). Seventy-two new confirmed cases have been reported, with an additional 47 deaths. In the past 21 days, nine of 20 affected health zones have no new confirmed cases. Eighty health workers have been affected, with 28 deaths. Twenty-one health zones have reported at least one confirmed or probable case, and 13 have reported confirmed cases in the last 21 days.
  - **Liberia – Lassa Fever** (33 cases, 8 deaths, CFR 24.3%). There has been a gradual decline in the overall trend, and five counties have reported cases in the past week.
  - **Malawi, Mozambique, Zimbabwe – Cyclone Idai**. An estimated 2 million people have been affected by tropical cyclone Idai and its associated flooding.
- Mozambique (501 deaths, 1,500+ injuries and rising). Management of dead bodies is a key challenge, and the number of displaced persons continues to rise (141,000 sheltering in more than 161 sites). An outbreak of cholera has been declared (517 cases, 1 death), as well as an increasing number of malaria and AWD cases.

- Zimbabwe (172 deaths, 186 injuries). Approximately 270,000 have been affected by the cyclone and ensuing floods. Ten health facilities have been affected.

- Malawi (59 deaths, 672 injuries). Approximately 86,980 people have been displaced by the floodwaters.
  - Togo – Meningitis (147 cases, 6 deaths, CFR 4.1%). This outbreak has been ongoing since January 2019. The Kpendjal West district has reported cases.

- Humanitarian Crisis
  - Mali. Political and security issues have been ongoing since 2012. The north and central regions of the country are most affected, and approximately 1.4 M people are in need of humanitarian assistance and healthcare. Malnutrition, SAM, and epidemic prone diseases (measles, meningitis, yellow fever, acute flaccid paralysis, malaria) are complicating the situation.
  - Central African Republic. Despite a signed peace agreement in February, the crisis continues. Traffic between Cameroon and the CAR has been frozen since March due to the activities of two armed groups. Gender-based violence has been reported, and outbreaks of yellow fever, hepatitis E, measles, bloody diarrhea, and meningitis continue.

WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 4/04: DRC – Ebola Virus Disease

CDC Current Outbreak List (https://www.cdc.gov/outbreaks/index.html)
- Raw Milk – Drug-resistant Brucella (Feb 2019)
- Measles – January 2019
- Pet Hedgehogs – Salmonella (Jan 2019)

Travel Notices
- March
  - Cyclone Idai (Mozambique, Malawi, Zimbabwe)
  - Mexico - Drug-Resistant Infections, Bariatric Surgery
  - Philippines – Measles
- February
  - Indonesia – Polio
  - India – Zika
  - Fiji – Leptospirosis
- January
  - Nigeria – Yellow Fever
### 2019 US Zika Case Counts


<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>
</tr>
</thead>
<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>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td><strong>5,746</strong></td>
<td>0</td>
<td><strong>37,304</strong></td>
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</tbody>
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### From the Immunization Action Coalition

![From the Immunization Action Coalition](http://www.immunize.org/express/issue1419.asp)

**Issue 1419:** April 3, 2019


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### In other news…

A Mysterious Infection, Spanning the Globe in a Climate of Secrecy


Cholera vaccination campaign begins in Mozambique


Court halts New York county’s anti-measles emergency order

[https://www.apnews.com/4c1bab66e5744a35b8a620ed6fbeffcc](https://www.apnews.com/4c1bab66e5744a35b8a620ed6fbeffcc)

NIH begins first-in-human trial of a universal influenza vaccine candidate


Opioid epidemic is increasing rates of some infectious disease

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