Notes & Updates
This week is National Influenza Vaccination Week!
https://www.cdc.gov/flu/resource-center/nivw/about.htm

Next Monday is the Communicable Disease Summit (December 10)! Have you registered yet???
http://events.r20.constantcontact.com/register/event?llr=pgcxumfab&oeidk=a07efqp2krw0d54becf

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

Addressing Vaccine Hesitancy: Intervening to Increase HPV Vaccine Uptake

While vaccines to prevent Human Papillomavirus (HPV) infection have proven to be extremely effective both in protecting against HPV, as well as reducing the risk of cervical cancer caused by HPV strains, acceptance of this cancer-preventing vaccine has struggled to reach the same level of acceptance as other vaccines recommended at this age. Providers have a unique opportunity to address vaccine hesitancy and reinforce the decision to vaccinate.

Tuesday, December 11, 2018 at 3:00 pm
Register here

Medscape: Prevention of Pertussis, Tetanus, and Diphtheria with Vaccines in the United States
The goal of this activity is to describe current recommendations from the Advisory Committee on Immunization Practices (ACIP) regarding prevention and control of tetanus, diphtheria, and pertussis in the United States, based on a comprehensive summary of previously published recommendations. Continuing Education credits available (physicians, ABIM, Nurses, Pharmacists).
https://t.co/06Pgc1xKE2

Save the Date: #HowIReadcomend Flu Webinar
Hosted by the Public Health Foundation, This webinar will focus on better understanding the severity and burden of last year’s flu season and why flu vaccine is so important and will offer tips on how to make stronger and more effective flu vaccine recommendations.

Wednesday, December 5, 2018 at 1:00 pm
Need a Flu Shot? Upcoming 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 - WEDNESDAYS</td>
<td>1:00p – 3:00p</td>
<td>Milford State Service Center</td>
<td>253 NE Front Street, Milford 302-424-7130</td>
<td>Kent</td>
</tr>
<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</td>
<td></td>
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<tr>
<td>FRIDAYS</td>
<td>9:00a – 11:30a</td>
<td>Shipley State Service Center</td>
<td>350 Virginia Ave Seaford 302-628-6772</td>
<td>Sussex</td>
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<tr>
<td>THURSDAYS</td>
<td>9:00a – 11:00a</td>
<td>Adams State Service Center</td>
<td>544 S. Bedford St Georgetown 302-515-3174</td>
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Week 47 (November 18 - 24, 2018):

Influenza activity in the United States increased slightly.

Influenza-like Illness (ILI) Activity:
- Two states (Georgia and Louisiana) experienced high ILI activity.
- Three states (Alabama, Oklahoma, and Utah) experienced moderate ILI activity.
- New York City, the District of Colombia, Puerto Rico, and eight states experienced low ILI activity.
- 37 states (including Delaware) experienced minimal ILI activity.
- Data were insufficient to calculate an ILI activity level from Puerto Rico.

Geographic Spread:
- Regional influenza activity was reported by five states.
- Local influenza activity was reported by 16 states.
- Sporadic influenza activity was reported by the District of Columbia, Puerto Rico, the U.S. Virgin Islands and 28 states (including Delaware).
Since 9/30/2018

<table>
<thead>
<tr>
<th></th>
<th>Week 47</th>
<th>Since 9/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimens tested</td>
<td>374</td>
<td>6,567</td>
</tr>
<tr>
<td>Positive Specimens</td>
<td>88 (23.5%)</td>
<td>776 (11.8%)</td>
</tr>
<tr>
<td>Influenza A</td>
<td>84 (95.5%)</td>
<td>689 (88.8%)</td>
</tr>
<tr>
<td>Influenza B</td>
<td>4 (4.5%)</td>
<td>87 (11.2%)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 47</td>
<td>Total</td>
</tr>
<tr>
<td>Delaware</td>
<td>21</td>
<td>93</td>
</tr>
<tr>
<td>New Castle</td>
<td>5</td>
<td>29</td>
</tr>
<tr>
<td>Kent</td>
<td>12</td>
<td>51</td>
</tr>
<tr>
<td>Sussex</td>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

November 2018, Volume 24, Issue 12 – Zoonotic Infections
https://wwwnc.cdc.gov/eid/content/24/12/pdfs/v24-n12.pdf
WHO Afro Outbreaks & Emergencies
Week 47: November 17 - 23, 2018

- [http://apps.who.int/iris/bitstream/handle/10665/275935/OEW46-1016112018.pdf](http://apps.who.int/iris/bitstream/handle/10665/275935/OEW46-1016112018.pdf)
- New Events
- Ongoing Events
  - **DRC – Ebola Virus Disease** (412 cases, 236 deaths, CFR 57%). Since last week, 46 new confirmed cases and 22 new deaths have occurred. To date, confirmed cases have been reported from 14 health zones. CFR among confirmed cases is 52%. A total of 40 health workers have been infected, including 12 deaths. As of Nov 24, 45 new suspected patients were admitted, bringing the total of admitted patients to 128, all on compassionate therapy. 120 patients have been cured and discharged into the community. Beni (40%), Kalunguta (25%), and Katwa (20%) regions remain the hotspots of the outbreak.
  - **Madagascar – Measles** (3,239 cases, 0 deaths). The country has been experiencing an outbreak since early October, which began in the urban health district of Antananarivo-Renivohitra with three cases. The disease spread to three other health districts, and other parts of the country. The outbreak was formally declared on Oct 26. A total of 23 out of 114 districts in 12 out of 22 regions are currently in the epidemic phase.
  - **Namibia – Anthrax** (52 cases, 0 deaths). A suspected outbreak was reported on November 12 from Opuwo District, in the far north-west of the country, at the border with Angola. Four patients presented to the hospital with skin lesions and swelling on various parts of their bodies, and had a history of handling carcasses of dead goats and/or consuming the meat. The index case was retrospectively found to be an 11-year old boy who was treated as a cellulitis case. About 138 community members reported consumed meat from dead goats and/or handled their carcasses, and have been administered antibiotic prophylaxis.
  - **Zimbabwe – Typhoid Fever** (5,164 cases, 12 deaths, CFR 0.2%). Harare, the capital city, is seeing a resurgence of typhoid fever since mid-September. Weekly incidence rate peaked six weeks ago with 130 cases, and has been gradually declining.

- Humanitarian Crisis
  - **Mali**. The country has seen a complex political and security crisis since 2012. The current situation is deteriorating further, and an increased number of events have affected the civilian population. Population displacement and refugees, departure of humanitarian staff and destruction of infrastructure, food insecurity, and outbreaks of epidemic-prone diseases (measles, meningitis, whooping cough) are all adding to the situation.

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- 11/29: EVD - DRC

**CDC Current Outbreak List** ([https://www.cdc.gov/outbreaks/index.html](https://www.cdc.gov/outbreaks/index.html))
- Tahini - *Salmonella*
- Pork Products - *Listeria*
- Romaine Lettuce – *E. coli* infections
Travel Notices
- Israel – Measles
- Moldova – Measles
- New Zealand – Measles
- Senegal - Dengue


<table>
<thead>
<tr>
<th>As of October 31, 2018</th>
<th>US 2018</th>
<th>Cumulative Since 1/1/15</th>
<th>US Territories 2018</th>
<th>Cumulative Since 1/1/15</th>
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</thead>
<tbody>
<tr>
<td>Travelers</td>
<td>52</td>
<td>5,448</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Local Mosquito-borne infection</td>
<td>0</td>
<td>231</td>
<td>106</td>
<td>37,147</td>
</tr>
<tr>
<td>Other Route</td>
<td>0</td>
<td>55</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>52</td>
<td>5,734</td>
<td>106</td>
<td>37,294</td>
</tr>
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</table>

From the Immunization Action Coalition

Issue 1396: November 28, 2018
http://www.immunize.org/express/issue1396.asp

In other news…

Alexa, Who Should Get A Flu Shot?

Asheville: Chickenpox Outbreak Spreads into the Community

Beating the World’s Deadliest Disease Against All Odds
http://www.vaccineswork.org/beating-the-worlds-deadliest-disease-against-all-odds/

Climate Change Increases Risk of Outbreaks in Africa

Ebola outbreak in DRC is second worst in history
‘Echo Chamber’ surrounds parental decisions about childhood flu vaccine

Florida Issues Hepatitis A Health Advisory: Increases Reported in Tampa and Orlando Areas
http://outbreaknewstoday.com/florida-issues-hepatitis-health-advisory-increases-reported-tampa-orlando-areas-94473/

Measles cases spike globally due to gaps in vaccination coverage

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