**Week in Review**

**March 23, 2020**

**Flu News**

Interim Estimates of 2019-2020 Seasonal Influenza Vaccine Effectiveness – United States, February 2020 - [https://www.cdc.gov/mmwr/volumes/69/wr/mm6907a1.htm](https://www.cdc.gov/mmwr/volumes/69/wr/mm6907a1.htm)

Upcoming Flu Clinics:

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Clinic</th>
<th>Phone Number</th>
<th>Ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday – Friday</td>
<td>Hudson State SC 501 Ogletown Road Newark</td>
<td>302-283-7587 Option 2</td>
<td>6 months and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>Porter State SC 511 W. 8th Street Wilmington</td>
<td>No appointment needed</td>
<td>9 years and older</td>
</tr>
<tr>
<td>Monday – Friday</td>
<td>Williams State SC 805 River Road Dover</td>
<td>302-857-5140</td>
<td>6 months and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>Milford State SC 253 NE Front Street Milford</td>
<td>302-424-7130</td>
<td>9 years and older</td>
</tr>
<tr>
<td>Fridays</td>
<td>Adams State SC 544 S. Bedford Street Georgetown</td>
<td>302-515-3220</td>
<td>6 months and older</td>
</tr>
<tr>
<td>By Appointment Only</td>
<td>Shipley State SC 350 Virginia Avenue Seaford</td>
<td>No appointment needed</td>
<td>6 months and older</td>
</tr>
</tbody>
</table>

**Continuing Education!**


**2019 Novel Coronavirus:**


Confirmed Cases

<table>
<thead>
<tr>
<th></th>
<th>Total Confirmed</th>
<th>349,211</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within 50 United States</td>
<td>15,219</td>
<td>China 81,496</td>
</tr>
<tr>
<td></td>
<td>337</td>
<td>Italy 59,138</td>
</tr>
<tr>
<td></td>
<td>321</td>
<td>Spain 33,089</td>
</tr>
<tr>
<td>Total Deaths</td>
<td>201</td>
<td>Germany 26,220</td>
</tr>
</tbody>
</table>
COVID-19 cases in the United States by date of illness onset, January 12, 2020, to March 18, 2020, at 4pm ET (n=2,267)**

**News**
- Delaware ([https://de.gov/coronavirus](https://de.gov/coronavirus))
  - **Cases increase to 56** (NCC 39, KC 5, SC 12)
  - Governor Carney issues a **Stay-At-Home Order** effective Tuesday, March 24, 2020 at 8:00 am - [https://news.delaware.gov/2020/03/22/governor-carney-issues-stay-at-home-order-for-delawareans/](https://news.delaware.gov/2020/03/22/governor-carney-issues-stay-at-home-order-for-delawareans/)
www.cdc.gov/flu/weekly

Week 11 (Week ending March 14, 2020).

Laboratory confirmed flu activity as reported by clinical laboratories continued to decrease; however, influenza-like illness activity increased. Influenza severity indicators remain moderate to low overall, but hospitalization rates differ by age group, with high rates among children and young adults.

- Clinical lab: 15.3% of specimens positive for influenza virus
- Public health lab: A(H1N1)pdm09 viruses are now the most commonly reported.
- ILI Activity
- **Geographic Spread**
  
  - Widespread: Puerto Rico and 47 states (including Delaware)
  - Regional: two states
  - Local: the District of Colombia and one state
  - Sporadic: the US Virgin Islands
  - No Report: Guam

**Burden Estimates**

The CDC estimates that, from October 1, 2019 through March 7, 2020, there have been:

- **High**: The District of Colombia, Puerto Rico, New York City, and 37 states.
- **Moderate**: Four states
- **Low**: Five states (including Delaware)
- **Minimal**: the US Virgin Islands and four states
Flu illnesses: 38 million – 54 million
Medical visits: 17 million – 25 million
Flu hospitalizations: 390,000 – 710,000
Flu deaths: 23,000 – 59,000

**Delaware Surveillance**

- Activity level: WIDESPREAD.
- Predominant Strain(s): A/2009 H1N1

<table>
<thead>
<tr>
<th>Cases</th>
<th>Week 11</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>395</td>
<td>6,862</td>
</tr>
<tr>
<td>Kent</td>
<td>130</td>
<td>1,747</td>
</tr>
<tr>
<td>New Castle</td>
<td>151</td>
<td>3,114</td>
</tr>
<tr>
<td>Sussex</td>
<td>114</td>
<td>2,001</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>20</td>
<td>353</td>
</tr>
<tr>
<td>Deaths</td>
<td>0</td>
<td>11</td>
</tr>
</tbody>
</table>
Expedited Articles Available
- Detection of Novel Coronavirus by RT-PCR in Stool Specimen from Asymptomatic Child, China | A. Tang et al. | June 2020
- Co-infection with SARS-CoV-2 and Influenza A Virus in Patient with Pneumonia, China | X. Wu et al. | June 2020
- Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with 2019 Novel Coronavirus Disease, United States | J. Harcourt et al. | June 2020
- Epidemiology of 2019 Novel Coronavirus Disease-19 in Gansu Province, China, 2020 | J. Fan et al. | June 2020
- Identifying and Interrupting Superspreading Events—Implications for Control of Severe Acute Respiratory Syndrome Coronavirus 2 | T. R. Frieden and C. T. Lee | June 2020
- Serial Interval of COVID-19 among Publicly Reported Confirmed Cases | Z. Du et al. | June 2020
- Early Introduction of Severe Acute Respiratory Syndrome Coronavirus 2 into Europe | S. J. Olsen et al. | July 2020
- Rhabdomyolysis as Potential Late Complication Associated with COVID-19 | M. Jin and Q. Tong | July 2020

WHO Afro Outbreaks & Emergencies
Week 11: March 9 – 15, 2020
- New Events
  - Coronavirus Disease 2019 (175 cases, 4 deaths, CFR 2.3%). South Africa (51), Algeria (48), Senegal (26), Burkina Faso (7), Cote d’Ivoire (5), Rwanda (5), Ethiopia (4), Cameroon (3), Democratic Republic of the Congo (3), Kenya (3), Seychelles (3), Ghana (2), Namibia (2), Nigeria (2), Benin (1), Central African Republic (1), Equatorial Guinea (1), Eswatini (1), Gabon (1), Guinea (1), Liberia (1), Mauritania (1), Republic of Congo
Of the cumulative cases, 76 had recent history of travel to Europe, United States of America, Japan, and India. Cases of local transmission have been reported from Algeria, Senegal and South Africa.

- **Ongoing Events**
  - **CAR – Measles** (11,496 cases, 108 deaths, CFR 0.9%). The majority of those affected are between the ages of 0 – 4 years (72%) followed by the ages of 5 – 10 (18%). Eight of 21 districts have been affected this year.
  - **DRC – Ebola Virus Disease** (3,444 cases; 2,264 deaths; CFR 66%).
    - 0 new confirmed cases have been reported this week
    - 0 deaths this week
    - 171 health workers have been affected (5%)
    - 29 health zones affected with at least one case
    - 0 health zones with confirmed cases in the last 21 days
    - 1 health zones: ongoing contact tracing
    - The last confirmed EVD case was discharged from the isolation facility on March 3

- **Humanitarian Crisis**
  - **DRC.** Armed group incursions, internally displaced persons, and conflicts over land continue to complicate the EBV outbreak response and this humanitarian crisis. Outbreaks of infectious disease continue (malaria, typhoid fever, EBV, cholera, meningitis, influenza, bubonic plague, vaccine-derived poliomyelitis, monkey pox, and yellow fever). The first confirmed case of COVID-19 was detected on March 10.

### WHO Disease Outbreak News (www.who.int/csr/don/en/)
- 3/19: DRC – Ebola Virus Disease

### CDC Current Outbreak List (https://www.cdc.gov/outbreaks/index.html)
- Coronavirus Disease (COVID-19) – January 2020
- Listeria – Hard-boiled Eggs (January 2020)
- E. Coli – Clover Sprouts (February 2020)
- Listeria – Enoki Mushrooms (March 2020)

### Travel Notices
- March – COVID-19
  - Warnings: Australia, Brazil, Canada, China, Europe, Iran, Israel, Japan, South Korea, UK and Ireland

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**From the Immunization Action Coalition**
In other news…

- Penn State researchers awarded $2.86 M to develop a new oral antibiotic to treat multidrug-resistant gonorrhea - http://outbreaknewstoday.com/penn-state-researchers-awarded-2-86m-to-develop-a-new-oral-antibiotic-to-treat-multidrug-resistant-gonorrhea-25905/

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