## INFLUENZA SEASON UPDATE

<table>
<thead>
<tr>
<th>FLU SEASON</th>
<th>TOTAL # OF CASES</th>
<th>TOTAL # OF LTCF OUTBREAKS</th>
<th># OF PEDIATRIC DEATHS</th>
<th># ADULT DEATHS</th>
<th>TOTAL # OF DEATHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2014</td>
<td>1,700</td>
<td>12</td>
<td>1</td>
<td>57</td>
<td>58</td>
</tr>
<tr>
<td>2014-2015</td>
<td>1,046</td>
<td>92</td>
<td>3</td>
<td>143</td>
<td>146</td>
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<tr>
<td>2015-2016</td>
<td>3,087</td>
<td>12</td>
<td>3</td>
<td>36</td>
<td>39</td>
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<tr>
<td>2016-2017</td>
<td>3,025</td>
<td>82</td>
<td>0</td>
<td>76</td>
<td>76</td>
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<tr>
<td>2017-2018</td>
<td>10,489</td>
<td>124</td>
<td>5</td>
<td>328</td>
<td>333</td>
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<tr>
<td>2018-2019</td>
<td>9,263</td>
<td>23</td>
<td>1</td>
<td>24</td>
<td>25</td>
</tr>
</tbody>
</table>
HOW DOES FLU SPREAD?

• Respiratory transmission of virus
• Viral shedding
• Fomite transmission
• It takes about 2 weeks after vaccination for protection to set in so get vaccinated as early as possible.

• You can not get the flu from the flu shot.

• As long as flu is circulating in the community, you can still get your flu vaccine.
GOOD HYGIENE MAKES A DIFFERENCE

• Cover your nose and mouth with a tissue or the bend of your elbow when you cough or sneeze.

• Wash your hands often for at least 20 seconds with soap and water – especially after coughing or sneezing.

• If soap and water are not available, use an alcohol-based hand rub.

• Avoid touching your eyes, nose, or mouth to prevent the spread of germs.

• If your doctor prescribes antiviral medications, take them.
ACTIVITY RECOMMENDATIONS

• If you are sick with flu-like illness, CDC recommends you stay home for at least 24 hours after your fever is gone, except to get medical care or for other necessities.

• NOTE: Your fever should be gone without the use of a fever-reducing medicine.

• While sick, limit contact with others as much as possible.
2018-2019 CHANGES TO FLU VACCINE

• Two vaccine strains in the injectable Trivalent vaccine were changed:
  • Influenza A H3N2; and
  • Influenza B (Victoria lineage).
• Influenza A H1N1 was not changed.
• The Quadrivalent vaccine contains the three strains above, plus
  • Influenza B (Yamagata lineage)
## COMPARISON OF VACCINE EFFECTIVENESS
### 2009-2019

<table>
<thead>
<tr>
<th>INFLUENZA SEASON</th>
<th>VACCINE EFFECTIVENESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2010</td>
<td>56%</td>
</tr>
<tr>
<td>2010-2011</td>
<td>60%</td>
</tr>
<tr>
<td>2011-2012</td>
<td>47%</td>
</tr>
<tr>
<td>2012-2013</td>
<td>49%</td>
</tr>
<tr>
<td>2013-2014</td>
<td>52%</td>
</tr>
<tr>
<td><strong>2014-2015</strong></td>
<td><strong>19%</strong></td>
</tr>
<tr>
<td>2015-2016</td>
<td>48%</td>
</tr>
<tr>
<td>2016-2017</td>
<td>40%</td>
</tr>
<tr>
<td>2017-2018</td>
<td>40%</td>
</tr>
<tr>
<td><strong>2018-2019</strong></td>
<td><strong>47%</strong></td>
</tr>
</tbody>
</table>
Where We Fall Short: **Children**

**Influenza Is a Leading Cause of Vaccine-Preventable Deaths in Children in the US**

During 6 influenza seasons in the United States, 2010-2011 through 2015-2016:

- 50% of children who died from the flu were otherwise healthy.
- 78% of children who died from the flu were not fully vaccinated.

Influenza deaths by vaccine-preventable disease, 2005-2014:
- Polio: 0
- Measles: 1
- Hepatitis: 20
- Pertussis: 149
- Meningitis\(^b\): 220
- Influenza: 937

\(^a\) ≤14 years of age.
\(^b\) Meningococcal meningitis.
\(^c\) Based on pediatric patients who died from the flu, whose vaccination status was known and who were eligible to receive a flu vaccine.

References:
2018-2019 Total Laboratory Confirmed Influenza Cases in Kentucky, by Age

Number of Cases Reported

Age

<1 1-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 >90 unknown
WHERE WE FALL SHORT: PREGNANT WOMEN
WHERE WE FALL SHORT: HEALTHCARE WORKERS
KEEP HEALTHY AND GET YOUR FLU SHOT
Thank you!

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https://chfs.ky.gov/agencies/dph/dehp/idb/Pages/influenza.aspx