Louisiana ACP Annual Meeting

COVID-19 Update

Lee S. Engel MD, PhD FACP
Governor, Louisiana Chapter
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New Orleans
Nomenclature

- **COVID-19**
  - WHO abbreviation for: Coronavirus Disease 2019

- **SARS-CoV-2**
  - Name of this coronavirus
WHO COVID-19 Situation: March 5, 2019
COVID-19: U.S. at a Glance*

- Total cases: 99
- Total deaths: 10
- States reporting cases: 13
CDC COVID-19 States reporting cases

COVID-19: U.S. at a Glance*

- Total cases: 164
- Total deaths: 11
- States reporting cases: 19
# PERSPECTIVES: COVID-19 Compared to Influenza

<table>
<thead>
<tr>
<th></th>
<th><strong>COVID-19</strong></th>
<th><strong>Influenza</strong></th>
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</thead>
<tbody>
<tr>
<td>World Wide Cases</td>
<td>95,270</td>
<td>MANY MILLIONS</td>
</tr>
<tr>
<td>World Wide Deaths</td>
<td>3,280</td>
<td>291,000 – 646,000</td>
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<tr>
<td>US Cases</td>
<td>164</td>
<td>32 million</td>
</tr>
<tr>
<td>US Deaths</td>
<td>11</td>
<td>18,000</td>
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<tr>
<td>Louisiana Cases</td>
<td>0</td>
<td>83,707</td>
</tr>
<tr>
<td>Louisiana Deaths</td>
<td>0</td>
<td>500 - 1,000/year</td>
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<tr>
<td>Ro</td>
<td>2-3</td>
<td>1-2</td>
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<tr>
<td>Case Fatality Rate</td>
<td>1-2% (but Likely &lt;1%) (SARS -10% and MERS – 36%)</td>
<td>0.1%</td>
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</tbody>
</table>
Only 5% of infections have been identified

- even a travel reduction that is 99% effective may reduce the epidemic outside Wuhan province by no more than 24.9%
- Estimate 59,000 cases occurred in Wuhan and 3500 in other regions of China before the travel ban was implemented
  - The ban may simply reduce the progression of the outbreak by only 3 to 5 days
- 46% of cases would be missed by airport-based screening
Travel interventions will not prevent transmission to new region

Vigilant infection control measures are critical
- aggressive patient screening
- active contact tracing
- Isolation
- Respiratory viruses reduced:
  - 46% hand washing
  - 77% with masks
  - 33% with gowns and masks
COVID BREAKING NEWS

- Scientists say they've identified 2 strains of COVID-19 (CHINA)
  - L strain – more aggressive (70% of isolates)
  - S strain – less aggressive (30% of isolates)

- Coronavirus: Hong Kong warns people not to kiss their pets after dog tests positive for COVID-19
  - Authorities say it was likely to be a case of human-to-animal transmission.
Resources

▪ CDC Coronavirus Disease 2019
▪ World Health Organization Coronavirus Disease (COVID-19) outbreak
▪ ACP: Coronavirus Disease 2019 (COVID-19): Information for Internists
▪ NEJM
Thank you . . .

...for your continued support of ACP and your commitment to internal medicine.