COVID-19 & K-12 Schools

Departments of Health & Senior Services and Elementary & Secondary Education

September 9, 2020
SARS-CoV-2 & Children
Epidemiology

SARS-CoV-2 Cases by Age Group

SARS-CoV-2 Deaths by Age Group

National data

COVID-19 & K-12 Schools

COVID-19 Cases by Age Group

<table>
<thead>
<tr>
<th>Age Group (Years)</th>
<th>Percentage (Cases)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>1.07% (936)</td>
</tr>
<tr>
<td>5-12</td>
<td>5.80% (5,095)</td>
</tr>
<tr>
<td>13-17</td>
<td>15.05% (13,215)</td>
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<tr>
<td>18-29</td>
<td>28.44% (25,055)</td>
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<tr>
<td>30-49</td>
<td>20.08% (17,582)</td>
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<tr>
<td>50-64</td>
<td>7.97% (6,597)</td>
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<tr>
<td>65-74</td>
<td>4.62% (4,057)</td>
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<tr>
<td>75-84</td>
<td>3.58% (3,146)</td>
</tr>
<tr>
<td>85+</td>
<td>0.00% (0)</td>
</tr>
</tbody>
</table>

COVID-19 Deaths by Age Group

<table>
<thead>
<tr>
<th>Age Group (Years)</th>
<th>Percentage (Deaths)</th>
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</thead>
<tbody>
<tr>
<td>0-4</td>
<td>0.00% (0)</td>
</tr>
<tr>
<td>5-12</td>
<td>0.00% (0)</td>
</tr>
<tr>
<td>13-17</td>
<td>0.33% (5)</td>
</tr>
<tr>
<td>18-29</td>
<td>0.78% (12)</td>
</tr>
<tr>
<td>30-49</td>
<td>1.09% (29)</td>
</tr>
<tr>
<td>50-64</td>
<td>12.00% (184)</td>
</tr>
<tr>
<td>65-74</td>
<td>18.92% (280)</td>
</tr>
<tr>
<td>75-84</td>
<td>27.14% (416)</td>
</tr>
<tr>
<td>85+</td>
<td>38.04% (597)</td>
</tr>
</tbody>
</table>

Missouri data by age available as of 9/9/20
SARS-CoV-2 & Children
Transmission & Infection

• Probability of clinically symptomatic infection is age-dependent
• Children are appear 40-50% less likely to become infected
• 45% of infections in children are asymptomatic
SARS-CoV-2 & Children

Schools

• Daycares and day camps have operated with little spread of SARS-CoV-2

• Schools which reopened **with mitigation** in place have seen little transmission *in* schools

• Transmissions in schools primarily between adults

• Transmission in adolescent occurs readily with unmasked and social encounters
Mitigation Strategies in Schools are Important

Low risk symptoms:
- Fever (>100.4°F)
- Sore throat
- Congestion/runny nose
- Headache
- Nausea/vomiting/diarrhea
- Body aches

High risk symptoms:
- Cough
- Difficulty breathing
- Loss of taste/smell

Exposure to COVID-19 positive person?
- Close contact: less than 6 feet, more than 15 min

NO:
- 1 low risk symptom → Stay home → Return to school 24 hr after symptom resolution
- ≥2 low risk symptoms OR 1 high risk symptom → Stay home → Evaluation by Healthcare Provider

YES:
- Stay home

Healthcare provider confirms alternative diagnosis for symptoms. A healthcare provider’s note must be on file.

1. Negative SARS-CoV-2 PCR test → Return to school after 24 hours without fever and symptoms improving

2. Positive SARS-CoV-2 PCR test → Return to school only after 10 days since symptoms onset, 24 hours without fever, and approval of local health department; quarantine contacts

3. Return to school after 14 days from last contact unless symptoms develop. If symptoms develop, perform SARS-CoV-2 PCR test

3-6 feet
COVID-19 & K-12 Schools

Missouri School Reopening Guidance
Frequently Asked Health-Related COVID-19 Questions

Look for update icon to see new information
COVID-19 & K-12 Schools

• Issue: Positive case reporting & communication
  - Schools notify LPHAs if/when family self-reports positive case to school office
  - LPHAs notify schools if/when unaware of positive case when notified by DHSS
• Issue: Contact tracing
  - LPHAs begin within 24 hours when positive case is a school-aged child
  - LPHAs review school documentation & only exclude the necessary close contacts
    - Schools may assist, but LPHAs have legal authority to quarantine
  - Schools must alter procedures to limit contacts

dese.mo.gov/covid19
• Issue: Quarantining close contacts
  - LPHAs “recommend” vs. “order”
  - Inconsistencies in directives
    - Problematic for neighboring districts or districts crossing county lines
    - Negative test can’t shorten time frame
• Issue: Masks/face coverings
  - DHSS/DESE guidance strongly urges school leaders to require students & staff wear masks
  - While masks do not limit close contacts (per CDC), research shows masks limit transmission of the virus
Start Date: September 17, 2020
Held weekly on Thursdays
4:00-5:00 PM

GOALS:
- Bring together pediatric infectious disease specialists, school leaders, school nurses, LPHAs & primary care physicians to discuss COVID-19 & kids
- Share timely information about COVID-19 & kids
- Provide a platform for information sharing & learning across communities caring for children
Email live webinar questions to: Communications@dese.mo.gov
Updates: dese.mo.gov/covid19