COVID-19 UPDATE

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WHAT ACHI IS DOING

- Established analytic surge capacity support for:
  - Arkansas Department of Health
  - Arkansas Department of Education
  - Employment Benefits Division of Arkansas Dept. of Shared Services

- Utilizes legislative authorization of Arkansas Health Data Initiative and Arkansas Healthcare Transparency Initiative, as well as authority under declared public health emergency
TO DATE, ACHI HAS PROVIDED:

- New cases heat-mapped across the state
- Risk of adverse events (hospitalization, intubation, death) with COVID-19 calculated for state, insured public school, and insured state employee populations
- Arkansas community-level cumulative and active COVID-19 cases listed
COVID-19 POSITIVE CASE HEAT MAP AND TOTAL TESTS BY COUNTY, AS OF AUG. 23, 2020

Source: Arkansas Department of Health
COVID-19 in Arkansas

The COVID-19 pandemic is affecting people around the world, including Arkansans. ACHI will provide updates and insights on this evolving public health crisis including tables with cumulative and active positive COVID-19 cases in communities across the state.

CLICK HERE FOR THE LATEST COVID-19 UPDATES

achi.net/covid19
COVID-19: A LOCAL VIEW

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COVID-19: A LOCAL VIEW

Rates of New Cases Over Past 14 Days per 10K Residents in the Community by School District: As of August 24, 2020

Rate Over Past 14 Days per 10K Residents
- 0 - 9
- 10 - 19
- 20 - 29
- 30 - 49
- 50 or more
## ADJUSTED RELATIVE RISK OF SEVERE OUTCOMES FOR SELECTED CONDITIONS

<table>
<thead>
<tr>
<th>Condition</th>
<th>Hospitalization</th>
<th>ICU admission</th>
<th>Intubation</th>
<th>Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kidney Failure</td>
<td>+60%</td>
<td>+80%</td>
<td>+140%</td>
<td>+100%</td>
</tr>
<tr>
<td>Immunocompromised</td>
<td>+80%</td>
<td>+90%</td>
<td>+160%</td>
<td>+70%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>+60%</td>
<td>+60%</td>
<td>+60%</td>
<td>+70%</td>
</tr>
<tr>
<td>CHF</td>
<td>+50%</td>
<td>+70%</td>
<td>+40%</td>
<td>+60%</td>
</tr>
<tr>
<td>Dementia</td>
<td>-10%</td>
<td>-10%</td>
<td>-50%</td>
<td>+50%</td>
</tr>
<tr>
<td>COPD</td>
<td>+40%</td>
<td>+50%</td>
<td>-10%</td>
<td>+20%</td>
</tr>
<tr>
<td>Asthma</td>
<td>+30%</td>
<td>+30%</td>
<td>+20%</td>
<td>+20%</td>
</tr>
<tr>
<td>CHD</td>
<td>+30%</td>
<td>+20%</td>
<td>+30%</td>
<td>0%</td>
</tr>
<tr>
<td>Other Heart Diseases</td>
<td>+20%</td>
<td>+20%</td>
<td>-10%</td>
<td>-10%</td>
</tr>
<tr>
<td>Mental and Behavioral Disorders</td>
<td>+10%</td>
<td>-10%</td>
<td>-20%</td>
<td>+10%</td>
</tr>
<tr>
<td>Essential Hypertension</td>
<td>0%</td>
<td>+10%</td>
<td>0%</td>
<td>-30%</td>
</tr>
</tbody>
</table>

Note: Sample size more than 17,000 COVID-19 patients, chosen based upon data availability.
BY THE HUNDREDS: COVID-19 DEATHS

Length of time for deaths in Arkansas to reach the 100, 200, 300, 400 level and so on.

Source: COVID Tracking Project. Dates are assigned based on when they were reported by the COVID Tracking Project, although some deaths may have occurred earlier.
## COUNTS (PREVALENCE) OF ASE/PSE PRIMARY MEMBERS WITH SELECTED CONDITIONS

<table>
<thead>
<tr>
<th>Condition</th>
<th>ASE</th>
<th>PSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kidney Failure</td>
<td>824 (1.7%)</td>
<td>866 (1.0%)</td>
</tr>
<tr>
<td>Immunocompromised</td>
<td>536 (1.1%)</td>
<td>695 (0.8%)</td>
</tr>
<tr>
<td>Diabetes</td>
<td>4,968 (10.4%)</td>
<td>5,519 (6.4%)</td>
</tr>
<tr>
<td>COPD</td>
<td>731 (1.5%)</td>
<td>559 (0.7%)</td>
</tr>
<tr>
<td>Coronary Heart Disease</td>
<td>1,959 (4.1%)</td>
<td>1,860 (2.2%)</td>
</tr>
</tbody>
</table>

Source: Arkansas Center for Health Improvement
ASE/PSE PLANS COVID-19 ANALYSES

- Data from March 17–August 24, 2020
- Estimated total of members ever tested: 37,228
- Total with positive test: 2,675 (ASE=1,474, PSE=1,201)
- Total members ever hospitalized: 182 (ASE=100, PSE=82)
- Total members ever in ICU: 66
- Total members ever intubated: 23
- Deaths: 16

Source: Arkansas Center for Health Improvement, as of August 24
DAILY POSITIVE TEST COUNTS: ASE/PSE MEMBERS

Source: Arkansas Center for Health Improvement, as of August 24
TELEMEDICINE SERVICES: EBD PLAN PAID AMOUNT & MEMBER OUT-OF-POCKET AMOUNT

Source: Arkansas Center for Health Improvement
ACHI FRAMEWORK FOR STATEWIDE TELEMEDICINE UTILIZATION PROFILE

- Geographic profile based on originating sites (patient location) and distant sites (eligible telemedicine provider location)
- Ongoing analyses includes groupings by type and location
  - Provider to patient: Non-hospital based (e.g., patient residence)
  - Provider to patient: hospital discharge or ED/Inpatient
  - Specialist provider to patient with provider
  - Telephone only
- Includes associated diagnoses and costs
- Includes COVID-19 related changes
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QUESTIONS?