SUBJECT
Impact of Delta Variant on Public Education (K-20)

APPLICABLE STATUTE, RULE, OR POLICY
Idaho Code § 33-3730

BACKGROUND/DISCUSSION
Dr. Kathy Turner, Deputy State Epidemiologist at Idaho’s Division of Public Health will provide a brief data update on COVID-19 in Idaho. The presidents of Idaho’s public four-year institutions will provide their own current assessment of COVID-19 data points and what public health measures are in place on their respective campuses. Additionally, Andy Grover of the Idaho Association of School Administrators will provide an overview of the current impacts on Idaho public schools (K-12).

IMPACT
Information provided may inform future action or guidance.

ATTACHMENTS
Attachment 1 – Idaho Data Update

STAFF COMMENTS AND RECOMMENDATIONS
This will be an opportunity for the full Board to publically hear and discuss COVID-19 data and mitigation measures on campuses.

BOARD ACTION
This item is for informational purposes only.
Idaho data update
Governor’s Coronavirus Work Group
September 13, 2021
Most Recent Trend of Total Cases

Record: December 9, 2020: 2,298 cases
Most recent daily high rate: September 17, 2021: 1,730 cases

30-day average daily case count: **999**
14-day average daily case count: **1,134**

y = 25.059x + 1E+06
R² = 0.2387
A transmission error resulted in a large hospital system sending 2 days worth of data on one day.
The incidence rate among children 5-12 years reached the highest rate over the course of the outbreak to 319 cases per 100,000 population.
The incidence rate among teens 13-17 years was 589 cases per 100,000 population last week, the highest rate over the course of the outbreak.
Hospitalization for COVID-19 in Idaho*

Patients Currently Hospitalized in an Inpatient Bed Who Have Suspected or Confirmed COVID-19

- 717 patients

Patients Currently Hospitalized in the Intensive Care Unit (ICU) with Confirmed COVID-19

- 192 patients
COVID-19 patients on ventilator: last 30 days

12/18/2020: 63 patients
**Proportion of ICU stays: 2021 complete months**

<table>
<thead>
<tr>
<th>Month</th>
<th>Admissions</th>
<th>Percent of ICU stays</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>704</td>
<td>18.3%</td>
</tr>
<tr>
<td>February</td>
<td>384</td>
<td>15.9%</td>
</tr>
<tr>
<td>March</td>
<td>488</td>
<td>16.6%</td>
</tr>
<tr>
<td>April</td>
<td>428</td>
<td>16.1%</td>
</tr>
<tr>
<td>May</td>
<td>295</td>
<td>18.0%</td>
</tr>
<tr>
<td>June</td>
<td>180</td>
<td>15.6%</td>
</tr>
<tr>
<td>July</td>
<td>271</td>
<td>22.9%</td>
</tr>
<tr>
<td>August*</td>
<td>716</td>
<td>22.9%</td>
</tr>
</tbody>
</table>

*Data are preliminary*
Deaths by age group: mid-April - third week of September

**2020**
- 18-49: 56.0%
- 50-79: 40.8%
- 80+: 3.2%

**2021**
- 18-49: 34.2%
- 50-79: 58.6%
- 80+: 7.3%
Vaccine breakthrough cases

5,605 Cases
Or approximately 0.73% of fully vaccinated people

512 Variants
of public health interest or concern

<table>
<thead>
<tr>
<th>Variant</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>26</td>
</tr>
<tr>
<td>Beta</td>
<td>1</td>
</tr>
<tr>
<td>Delta</td>
<td>355</td>
</tr>
<tr>
<td>Gamma</td>
<td>4</td>
</tr>
<tr>
<td>Iota</td>
<td>1</td>
</tr>
<tr>
<td>Mu</td>
<td>5</td>
</tr>
</tbody>
</table>
Avg time between vaccination and illness: 136 days

Comparison of Month Vaccination Completed and Month of Illness

*Through September 18
Vaccine Type Among Vaccine Breakthrough Cases vs. Vaccinated Idahoans

- Janssen: 11% (Vaccinated Idahoans), 7% (Vaccinated Cases)
- Moderna: 29% (Vaccinated Idahoans), 35% (Vaccinated Cases)
- Pfizer: 60% (Vaccinated Idahoans), 57% (Vaccinated Cases)
## Rates by vaccination status since May 15

<table>
<thead>
<tr>
<th>Event</th>
<th>Total</th>
<th>Total Fully Vaccinated July 17 (mid-date)</th>
<th>Rate Among Fully Vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases</td>
<td>5,319</td>
<td>681,931</td>
<td>780.0 / 100,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fully Vaccinated</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>186</td>
<td>681,931</td>
<td>27.3 / 100,000</td>
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<tr>
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<td></td>
<td>Fully Vaccinated</td>
</tr>
<tr>
<td>Deaths</td>
<td>57</td>
<td>681,931</td>
<td>8.4 / 100,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fully Vaccinated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Event</th>
<th>Total</th>
<th>Total Not Fully Vaccinated July 17 (mid-date)</th>
<th>Rate Among Not Fully Vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases</td>
<td>46,787</td>
<td>1,157,175</td>
<td>4,043 / 100,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Not Fully Vaccinated</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>1,942</td>
<td>1,157,175</td>
<td>167.8 / 100,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Not Fully Vaccinated</td>
</tr>
<tr>
<td>Deaths</td>
<td>457</td>
<td>1,157,175</td>
<td>39.5 / 100,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Not Fully Vaccinated</td>
</tr>
</tbody>
</table>

People who are vaccinated are over 6 times less likely to be hospitalized for COVID-19 if they become infected. However, they are over 5 times less likely to become infected in the first place.

Vaccination status of cases May 15 – Sep 11

Cases
- 39,256 (89.9%)
- 4,416 (10.1%)
- Fully Vaccinated
- Not Fully Vaccinated

Hospitalizations
- 1,683 (91.1%)
- 164 (8.9%)
- Fully Vaccinated
- Not Fully Vaccinated

ICU Stays
- 256 (91.4%)
- 24 (8.6%)
- Fully Vaccinated
- Not Fully Vaccinated

Deaths
- 316 (88.0%)
- 43 (12.0%)
- Fully Vaccinated
- Not Fully Vaccinated

Fully vaccinated:
SARS-CoV-2 was detected ≥14 days after receiving the second dose of a 2-dose series or a dose of 1-dose COVID-19 vaccine, with no history of a positive PCR test in the 45 days prior.
Take away from the rate ratio calculations

During May 15 – September 11 there were about:

- 34,800 cases,
- 1,500 hospitalizations, and
- 250 deaths

That likely would not have occurred if the population were fully vaccinated