Delta Variant Update: Hawaii Data

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Med-Quest Medical Director
August 7, 2021
Case Surge
2021: ~ 3x or more than 2020

Hospital Surge
2021: ~ 1-1.5x 2020

Mortality
2021: ~ < 2020

Case Surge = 2021 curve much higher/wider than 2020
2021 = Oahu + BI + Maui
2020 = Limited to Oahu

Hospital Surge = 2021 fast approaching 2020
2021 likely higher than 2020 but to much less extent than cases
2021 = Oahu + BI + Maui, 2020 Surge = Oahu
2021 = Middle Age > Elderly, 2020 = Elderly > Middle Age

Mortality = 2021 Mortality likely much lower than 2020 mortality

Resources = 2021 much more resources than 2020
PPE, Treatment, Rx, Clinical knowledge, Vaccine 12/2020
CDC: Cases per capita past 7 days (8/10/2020)

US COVID-19 7-Day Case Rate per 100,000, by State/Territory
LEGEND
- 7-day Avg
- Confirmed
- Probable

*Includes all cases diagnosed in the state (residents, non-residents, and military); Excludes residents diagnosed out-of-state; Includes both confirmed and probable cases; Chart excludes 551 probable cases with missing date information
## Covid Cases by Island per capita (DOH 8/8/21)

<table>
<thead>
<tr>
<th>Island</th>
<th>Rate/100K</th>
<th>% Positive</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>3 -&gt; 35</td>
<td>7.3 %</td>
<td></td>
</tr>
<tr>
<td>BI</td>
<td>3 -&gt; 45</td>
<td>8.0 %</td>
<td>Highest Rate</td>
</tr>
<tr>
<td>Oahu**</td>
<td>3 -&gt; 36</td>
<td>8.0 %</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
</tr>
<tr>
<td>Maui</td>
<td>3 -&gt; 31</td>
<td>5.7 %</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
</tr>
<tr>
<td>Kauai</td>
<td>6 -&gt; 16</td>
<td>4.3 %</td>
<td>Lowest</td>
</tr>
</tbody>
</table>

* Rate uses the 7 day average adjusted for island population
** Rate higher for pockets of Oahu such as Leeward Coast and correlation with low vaccination areas.
Covid Cases

Anticipate Covid Case Surge, Prepare

“Don’t Fear Covid, But Respect It”

All surges by definition have an end point

Case vs Hospitalizations vs Mortality
Mortality Data Perspectives

We shall overcome
Hawaii Covid Hospitalizations (Statewide)

Aug 2020  Larger Peak 250-300
Oct-Dec 2020  Low
Jan 2021  Smaller Peak 100-120
Feb – 7/24 2021  Very Low > Low

7/25 → 7/31/21  80’s > 120’s  (Increase 40/wk)
8/1 → 8/7/21  130’s > 180’s  (Increase 50/wk)
8/8 -> 209 > 241 (8/10)  (Increase ? /wk)

Aug 2021 Covid hosp fast approaching Aug 2020 peak
Hospital admissions lag about one week behind case increase
Hawaii State Covid Hospitalizations (Statewide)

Aug 2021 peak approaching Aug 2020 peak
Hawaii Covid Hospitalizations (Statewide)

- Hospital surge is wider (last longer) than case surge
- 2020 Hospital peak predominantly Oahu and predominantly elderly
- 2021 Hospital peak more widespread, Oahu + NI (BI and Maui), more middle age
  - But 2021 mortality likely will be lower than 2020 (more middle age cases)
- Aug 2021 hospital peak fast approaching Aug 2020 peak, likely reach before end of week
- Hospital Admissions surge: Lags ~ 1 week behind Covid case surge
Hawaii Covid Hospitalizations (Data) as of 8/6/21

- Oahu = 75% Covid Inpt, NI = 25% Covid Inpt
- Covid Inpatient as % all Inpatients (% of inpts with Covid)
  - State = 10%, Oahu = 11%, BI = 13%, Maui = 11%
  - % lower at KMCWC, Tripler, Kahi Mohala, HSH
- QMC-P most cases with 50% Oahu and 33% state
- Most hosp average ~ 10%, higher at QMC = 14%
Without Protective Measures

With Protective Measures

Healthcare system capacity

Time since first case

# of cases

Adapted from CDC / The Economist
Hawaii Weekly Mortality from Covid (8-6-2021)

Fatalities by County (cumulative):
- Honolulu: 413
- Maui: 61
- Hawaii: 58
- Kauai: 12

Fatalities by Island (cumulative):
- Oahu: 62
- Hawaii: 58
- Lanai: 0

Number of Total Fatalities
Case Surge
2021: ~ 3x or more than 2020

Hospital Surge
2021: ~ 1-1.5x 2020

Mortality
2021: ~ < 2020
Delta Surge: What can we do

Primary Goals
1) Address Surge Capacity Issues
   Support decompress hospitals esp discharges
   PCP’s (esp ped), FQHC’ also will be overwhelmed

2) Encourage Covid vaccination
   silver lining, recent uptick in vaccines

Other Goals
Obtain more info on contact tracing to share, covid precautions
Hawaii Covid Immunizations (8/6/2021)

<table>
<thead>
<tr>
<th></th>
<th>Total pop</th>
<th>12+ pop</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>60.8 %</td>
<td>71.2 %</td>
</tr>
<tr>
<td>Oahu</td>
<td>63 %</td>
<td>73 %</td>
</tr>
<tr>
<td>BI</td>
<td>57 %</td>
<td>67 %</td>
</tr>
<tr>
<td>Maui</td>
<td>55 %</td>
<td>64 %</td>
</tr>
<tr>
<td>Kauai</td>
<td>60 %</td>
<td>71 %</td>
</tr>
</tbody>
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Targets
- **Short Term**: BI and Maui to 60 % for total pop or 70% 12+
- **Medium Term**: 70 % of total pop and for all islands
- **Longer Term**: Marker higher than 70 % tbd

Trends: Rural, Low Income, Native Hawaiian, Age, Age/County
Covid Vaccine Completed by Geography
All persons age 12 and older are eligible for vaccination

**Percent of Vaccine Recipient Population Compared to State Population**

<table>
<thead>
<tr>
<th>Race</th>
<th>Unknown</th>
<th>Asian</th>
<th>Black</th>
<th>NHPI</th>
<th>Other</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native Hawaiian</td>
<td>19%</td>
<td>53%</td>
<td>39%</td>
<td>25%</td>
<td>26%</td>
<td>25%</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>25%</td>
<td>17%</td>
<td>2%</td>
<td>3%</td>
<td>8%</td>
<td>3%</td>
</tr>
</tbody>
</table>

These figures do **NOT** include doses from Federal Pharmacy Program or Federal Agency Doses.

*These percentages represent the known race/ethnicity as reported in VAMS.  ** Applies only to the subgroup of NHPI persons vaccinated after 3/23.
Covid Immunization Status and Delta Virus

Vaccinated
- Less Likely to get Covid
- Less symptomatic and less likely to spread Covid
- Less “sick”
- Less likely to be hospitalized
- Protects against delta

Unvaccinated
- More likely to get Covid
- More symptomatic and more likely to spread Covid
- More “sick”
- More likely to be hospitalized
- No protection against delta

Third shot booster shot being considered by CDC for immunocompromised and elderly. Guidance soon. Also, possible guidance for second shot J&J.
Going Forward: “Don’t Fear Covid But Respect It”

✓ Stay home if not feeling well.
✓ Be mentally prepared
  • Anticipate increase in cases
✓ Think Positive, but take precautions
  • Any government restrictions are temporary
  • Delta surge will pass as it did in other areas
✓ Think Positive, but get vaccinated
✓ If vaccinated still need to take precautions
✓ If you would like to get tested
  www.oneoahu.org/covid19-testing

Commends on Q&I, contact tracing, vaccination