MMAC
COVID-19 Update
03.09.2021

PRESENTED BY:
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COVID-19 UPDATE 03.09.2021

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Presented on 3/9/2021
DAILY POSITIVE CASES
WISCONSIN & MILWAUKEE

178
POSITIVE CASES
IN WISCONSIN
YESTERDAY

8.7%
CASE POSITIVITY
IN WISCONSIN
YESTERDAY

11.2%
7-DAY AVERAGE
IN WISCONSIN
TRENDING FAVORABLE

26
POSITIVE CASES
IN MILWAUKEE
YESTERDAY

8.7%
CASE POSITIVITY
IN MILWAUKEE
YESTERDAY

12.3%
7-DAY AVERAGE
IN MILWAUKEE
TRENDING STABLE

566,871 positive cases in WI during pandemic
Presented on 3/9/2021

LEARN MORE AT
Covid19.MCW.com

7,000
DAILY CASES HAVE BEEN
EXCEEDED FIVE TIMES
SINCE THE BEGINNING
OF NOVEMBER

7,989
PREVIOUS HIGHEST
DAILY POSITIVE CASES IN
WISCONSIN
11.18.2020

1,649
PREVIOUS HIGHEST
DAILY POSITIVE CASES IN
MILWAUKEE
11.09.2020
<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
<th>Trend</th>
<th>Specific Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumulative Hospitalized</td>
<td>26,484</td>
<td>Trending down</td>
<td>4.5% of positive cases</td>
</tr>
<tr>
<td>Inpatients</td>
<td>255</td>
<td>Decreasing</td>
<td>Down 32 W/W; Previous high: 2,277 on 11.17.2020; Low: 235 on 7.05.2020</td>
</tr>
<tr>
<td>ICU Patients</td>
<td>61</td>
<td>Decreasing</td>
<td>Down 12 W/W; Previous high: 456 on 11.16.2020; Low: 65 on 7.05.2020</td>
</tr>
<tr>
<td>Available ICU Beds</td>
<td>305</td>
<td>Increasing slowly</td>
<td>Stability</td>
</tr>
<tr>
<td>Ventilator Capacity</td>
<td>2,002</td>
<td>Stable</td>
<td>Stability</td>
</tr>
<tr>
<td>PPE Trends</td>
<td></td>
<td>Stable</td>
<td>Most critical needs: gowns, goggles, and paper masks</td>
</tr>
</tbody>
</table>
**CUMULATIVE DEATHS**

**WISCONSIN & MILWAUKEE**

**IN WISCONSIN**
- **6,481**
- **7.2% BLACK/AFRICAN AMERICAN**
- **54.2% MALE**
- **45.8% FEMALE**

**IN MILWAUKEE**
- **1,244**
- **26.1% BLACK/AFRICAN AMERICAN**
- **54.0% MALE**
- **46.0% FEMALE**

**% OF CASES BY RECOVERY STATUS**
- **97.7% RECOVERED**
- **1.2% ACTIVE**
- **1.1% DIED**

**Presented on 3/9/2021**

**Learn more at Covid19.MCW.com**
KEY TAKEAWAYS

• WI is doing better now than during the Spring, Summer and November surges.

• Decrease has slowed or stalled in the US but continues to trend downward in Wisconsin. US seven-day average of 59,000 daily cases is close to 2020 US Summer peak. US routinely still is reporting 2,000 deaths per day.

• There are still concerns about a potential fourth surge, especially as new strains of the virus continue to spread, and as some states relax mandates (MS, TX, FL, CA, SC, AZ and others).

• It is still critically important to wear masks, minimize potential exposures by watching your distance and avoiding gatherings, and washing your hands regularly.
Several safe and effective COVID-19 vaccines are in development

- No single drug company will be able to meet the short-term demand; many 100’s of millions of doses needed.
- Strategy and framework in place to ramp up vaccinations to all Americans

**APPROVED VACCINES**

- **PFIZER VACCINE**
  - Received FDA emergency use authorization EUA 12/11/2020
- **MODERNA VACCINE**
  - Received EUA 12/18/2020
- **JOHNSON+JOHNSON - JANSSEN**
  - Received EUA 2/27/2021

**MULTIPLE OTHER VACCINES**

- AstraZeneca April 2021?
- **NOVAVAX** April 2021?
- **CureVac** June/July 2021?
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AS OF 03.08 WISCONSIN WAS 13th of 55 US STATES & TERRITORIES
IN % COMPLETED COURSES - US Average = 9.5%

20% (1.1+ M) OF WISCONSIN POPULATION
HAD RECEIVED AT LEAST ONE VACCINATION

11% (640 K) OF WI POPULATION
HAD COMPLETED VACCINATION COURSE

17% of AMERICAN SOMOA
COMPLETED VACCINATION COURSE.

Wisconsin is #1!
in % doses used 94%

WISCONSIN POPULATION WHO HAVE RECEIVED ONE VACCINATION

https://coronavirus.jhu.edu/region/us/wisconsin#vaccine-tracker
https://www.dhs.wisconsin.gov/covid-19/vaccine-data.htm#day
CURRENTLY ELIGIBLE:

• Frontline healthcare personnel
• Residents in skilled nursing and long-term care facilities
• Police and fire personnel
• Adults 65 years and over
• Educators and childcare workers
• Individuals enrolled in Medicaid long-term care programs
• Some public-facing essential workers
• Non-frontline essential healthcare personnel
• Facility staff and residents in congregate living settings
1. When we’ve reached herd immunity (70-80%)
   - Because new strains can reinfect people, vaccines are critical

2. Burden of disease is considered “Low” by DHS
   - Currently, four counties in Wisconsin are considered to have “low activity”: Douglas, Green Lake, Marinette and Taylor Counties.
   - Ten counties had “medium activity”; 56 counties had “high levels”, and two had “very high levels” (Iron and Green).

3. We need to know more about the effectiveness of the vaccines for the new strains, and how well previous infection prevents reinfection. The Brazilian “P1” strain is of concern for re-infection; and the South African “B.1.351” strain is of concern for vaccine effectiveness. No P1 has been detected in WI, and only one case of B1.351 thus far. 26 UK B.1.1.7 have been detected.
VACCINE KEY TAKEAWAYS

• US is first in world for total vaccinations (92.1 M); and has higher percentage of individuals who have completed the series (9.2%) than much of the rest of the world. We are behind Israel (43.4%); Seychelles (25.4%); and Bahrain (12.7%).

• Wisconsin has a higher percentage of individuals who have received at least one vaccine dose (20%) than much of the rest of the country and is on par with neighboring states.

• All the vaccines are highly effective – differences in reported efficacy should not be directly compared to each other.
  - No trials have been done to compare efficacy
  - They were tested at different points in time, with different test subjects, different strains, and different outcome measures.
  - One caveat is that the AstraZeneca-Oxford vaccine has not been widely embraced in some countries, despite being available.
WE USE MULTIPLE EXTERNAL DATA SOURCES FOR THESE PRESENTATIONS

- Wisconsin Hospital Association: wha.org/COVID-19Update
- Wisconsin Department of Health Services: https://www.dhs.wisconsin.gov/covid-19/index.htm
- Milwaukee County: https://county.milwaukee.gov/EN/COVID-19
- https://covidtracking.com/
- Wisconsin Electronic Disease Surveillance System (secure access required)
- Milwaukee County Unified Emergency Operations Center (secure access required)
- Worldometers: https://www.worldometers.info/coronavirus/
- Johns Hopkins: https://coronavirus.jhu.edu/vaccines

MEDICAL COLLEGE OF WISCONSIN ANALYTICS

- Institute for Health and Equity
- Division of Epidemiology
- Epidemiology Data Resource Center and Geographic Information System

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