COVID-19 VACCINE UPDATE

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Learn more: covid19.mcw.edu
COVID-19 DIAGNOSTIC TESTING – 12.21.2020

DAILY POSITIVE CASES

Wisconsin
1,435
% Case Positivity
22.1%
7-day average 29.1% - trending stable

Milwaukee
146
% Case Positivity
18.4%
7-day average 29.6% - trending unfavorably

DAILY HOSPITALIZATIONS AND DEATHS

Wisconsin
Hospitalizations
1,268
ICU Census
272
Deaths
8

SE Wisconsin
Hospitalizations
581
ICU Census
132
Deaths
6

- # of people tested reported yesterday in WI = 6,502
- Highest single daily total of people tested was 49,029 on 11.19.2020
- Testing capacity: Up to 59,735. 134 laboratories currently testing. 17 planning to test.

- Daily cases have exceeded 7,000 seven times since the beginning of November
- Previous highest daily positive cases:
  WI: 7,989 on 11.18.2020
  MKE: 1,649 on 11.09.2020
COVID-19 IS DECELERATING IN WISCONSIN

There are three potential reasons:

• People are being more diligent about protecting themselves.
• Low hanging fruit hypothesis.
  - The most susceptible individuals have gotten infected
    • Different behavior; Higher risk groups
• Network hypothesis.
  - Key people at the nexus of social networks have been infected

Not likely to be from:

• Herd immunity (not close to 70% of population infected).
• Less testing (see hospital and death trends).
COVID-19 VACCINE PROGRESS

• Several safe and effective COVID-19 vaccines are in development
• Pfizer vaccine received FDA emergency use authorization (EUA) 12/11;
• Moderna vaccine received EUA 12/18
• No single drug company will be able to meet the short-term demand; many 100’s of millions of doses needed.
• Multiple other vaccines will likely receive EUA over time – AZ and J&J will likely be next
• Strategy and framework in place to ramp up vaccinations to all Americans
TENTATIVE PLANS FOR VACCINE DISTRIBUTION

**Number of People Eligible for Vaccination**

**Late Dec – Early Feb**
- Healthcare Personnel
- Long Term Care Facilities (personnel and residents)

**Late Jan – Late March**
- Frontline Essential Workers
- 75+ years of age

**Mid-March – Late May**
- 65-74 years of age
- Other essential workers
- Individuals w/ high risk medical conditions

**May and Beyond**
- General Population

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* CDC defines “frontline essential workers” as first responders, (firefighters and police officers), teachers and others in education, food and agriculture workers (including grocery stores), correctional facility staff, U.S. postal workers, public transit workers, and some manufacturing (49 million people)

* State further defining
Will COVID-19 vaccines be safe?

- A vaccine to prevent COVID-19 offers the safest and swiftest approach to end the pandemic.
- The safety and effectiveness of the COVID-19 vaccine is assessed and approved by scientists, the medical community, governing bodies like the FDA, etc.
- The COVID-19 vaccines underwent testing in trials in which no serious safety concerns were reported.
- Testing of COVID-19 vaccines shows that they are effective for diverse ethnic groups, every adult age group and those with existing comorbidities, however, there has not yet been comprehensive testing on pregnant women or children.
- Nine vaccine manufacturers signed a vaccine pledge committing to maintaining high ethical standards, sound scientific principles, and making safety a top priority.
How is the Vaccine Given?
• The vaccine is given in the upper arm
• It is a two-dose vaccine, so two shots, at different times, are necessary for it to be effective

How Will I Feel After Getting the Vaccine?
• After receiving the vaccination, your body may have a response. This can include injection site tenderness, redness or swelling, fever, fatigue, muscle aches, joint pain or nausea. These are common signs that the vaccine is working, and your body is starting to build immunity.

How Soon Will the Vaccine Work?
• It will take several weeks after receiving both injections for your body to achieve immunity, so you will still need to practice the 3 Ws: Wear a mask, Watch your distance, and Wash your hands
VACCINE SCREENING & TRACKING

• Complete brief health status form
• CDC wallet vaccination record card with type of vaccine, date and location for each dose
• Vaccine record also stored in state/local immunization system for tracking
• v-safe is a smartphone-based tool that uses text messaging and web surveys to provide personalized health check-ins after you receive a COVID-19 vaccination
• Through v-safe, you can quickly tell CDC if you have any side effects after getting the COVID-19 vaccine
• v-safe will remind you to get your second COVID-19 vaccine dose if you need one
• Your information is confidential and private
HERD IMMUNITY = COMMUNITY PROTECTION

COVID-19 travels quickly through communities, leaving many sick and hospitalized.

When enough people are vaccinated against COVID-19, the virus can’t travel as easily from person to person, and the entire community is less likely to get the disease.

Estimates suggest 70-85% of people must receive vaccine for community protection.

In June 40-45% if people said they would take vaccine. Now 65-85% say they will take it.
STILL LEARNING

• People who get the vaccine are less likely to get sick from Covid-19 and if they do get sick it is mild - prevent hospitalizations and deaths
• Studying how long immunity lasts and if we need a yearly booster shot
• Studying whether the vaccine prevents people from spreading the virus
• If people have recovered from COVID-19 it is unclear how long that immunity may last but WE DO KNOW immunity is stronger with vaccines
• Beginning to include children in COVID-19 vaccine trials to provide protection for them

Wear a mask
Watch your distance
Wash your hands
COVID-19 VACCINE FACTS NOT MYTHS

• COVID-19 vaccines will not give you COVID-19 or the flu
• Vaccines do not contain toxic ingredients
• The Moderna, Pfizer, and AZ Oxford vaccines do not contain pork gelatin
• Vaccine-induced immunity is safer and healthier than natural immunity
• The vaccine will not alter your DNA
• Current mRNA COVID-19 vaccines were not created with and do not require the use of fetal cell cultures in the production process
VACCINE RESOURCES

• https://covid19.mcw.edu/vaccine-basics

• https://www.cdc.gov/vaccines/covid-19/index.html

• https://www.niaid.nih.gov/clinical-trials/vaccine-clinical-studies-faq


• FDA: Emergency Use Authorization

• https://coronavirus.jhu.edu/vaccines

Learn more: covid19.mcw.edu
POLL