Milwaukee County EMS SYSTEM

INFORMATIONAL REPORT

EMS System Overview

Guiding Principles

The Guiding Principles

EMS systems in 2050 will be designed around these six Guiding Principles to provide a framework for addressing the most critical aspects of developing a people-centered EMS system.

[EMS 2050 Agenda for the Future]

Terminology

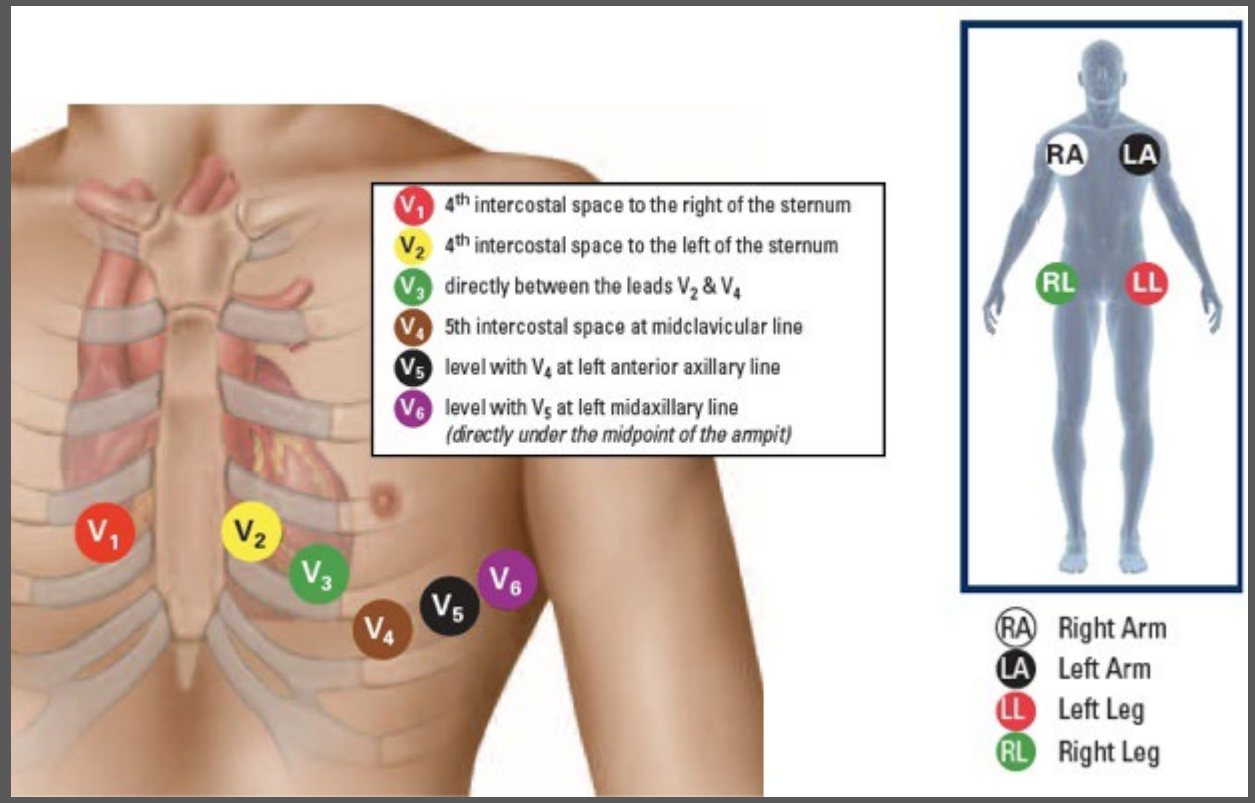
- BLS – Basic Life Support
- ALS – Advanced Life Support
- EMT-B - Basic level trained provider
- Paramedic – ALS level trained provider, extensive training.

EMS System Stats

- 112,000 patient contact annually
- 76,800 transports annually
- 15 EMS agencies:
  - 9 ALS transport
  - 3 BLS Transport
  - 1 ALS non-transport
  - 2 BLS non-transport
- Milwaukee County subsidizes EMS with $3.0M annually to improve healthcare operations.

EMS Division

- EMS Director's Office
  - EMS Education and Training
  - EMS Quality Assurance
  - EMS Data Analytics and Strategy
  - Special Operations
  - Medical Direction
  - EMS Research
  - EMS Council – Chapter 97



Major Accomplishments
COVID-19 Dashboard

Milwaukee County COVID-19 Surveillance Dashboard

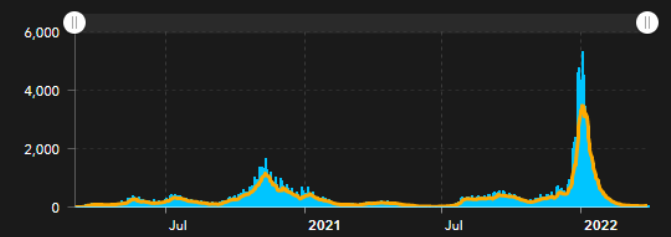
Click here to view the Milwaukee County COVID-19 Dashboard that tracked the first 19 months of the pandemic

Click here to view mobile version

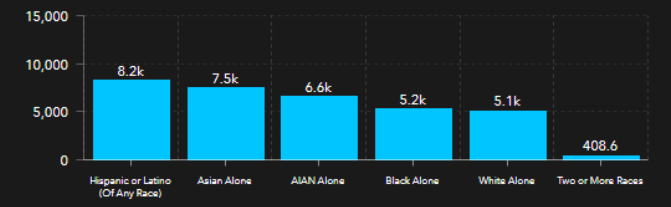
Need to get vaccinated? Click here:

Primary Metrics - Updated Tuesday - Friday at 1:00 AM pending data availability

New Positive Cases Per Day [1]

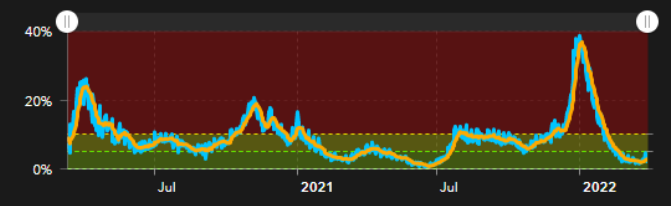


New Case Rates Per 100K by Race/Ethnicity in Last 90 Days [1,3]



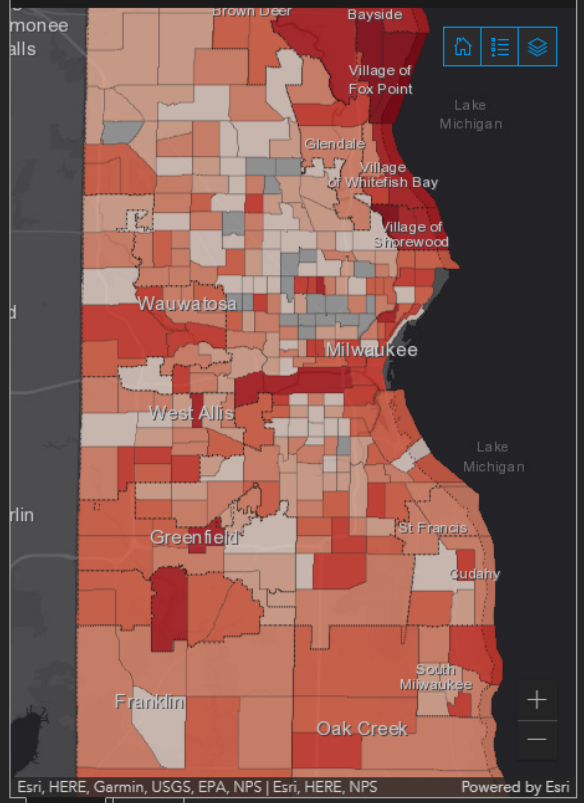
Race/Eth Rate | Race/Eth Count | Age

Percentage of Tests Resulted as Positive by Day [4]



% Positive | Total Tests

COVID-19 Case Rates in Last 30 Days [1]



Cases | Tests

Notes (use icon in right corner of box to expand)

New Cases – 7-Day Average [1]

39

▲ 4 from Previous Week

% of Tests as Positive – 7-Day Average [4]

2.2%

No Change from Previous Week

Count of COVID-19 Hospitalizations [5]

55

▼ 2 from Previous Week

ME COVID-19 Deaths – Last 7 Days [2]

4

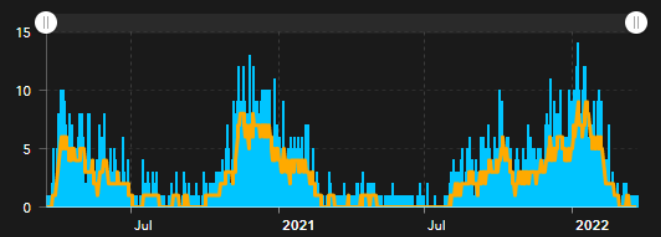
▲ 1 from Previous Week

Residents Received 1st Vaccine Dose – All Time [6]

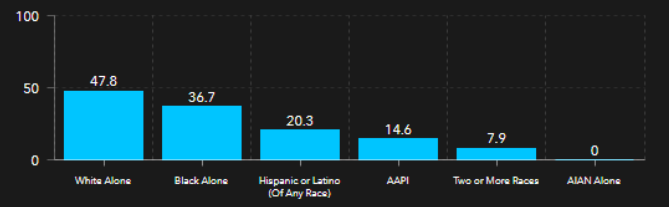
61.8%

▲ <0.1% from Previous Week

Medical Examiner Reported Deaths Per Day [2]

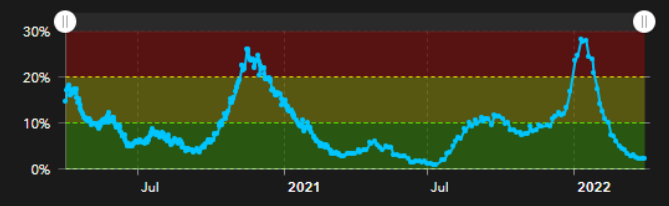


Death Rate Per 100K by Race/Ethnicity in Last 90 Days [2,3]



Race/Eth Rate | Race/Eth Count | Age | Gender

Percentage of Hospital Beds In Use by COVID-19 Positive Patients [5]



Percentage | Total

Primary Metrics | Municipality Trends | Vaccine Data | EVE Model | Key Indicators | CDC Community Level

Major Accomplishments
EVE Model

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Need to get v… Click …e:

EVE Model

Evaluating **V**ulnerability and **E**quity - Updated Tuesday - Friday at 1:00 AM pending data availability

About the EVE Model

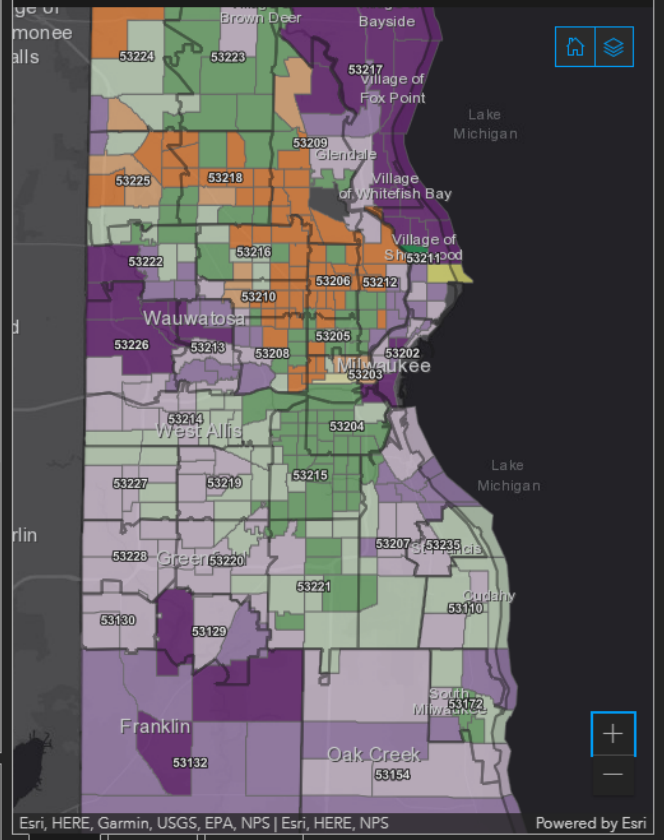
The COVID-19 pandemic highlighted systemic health inequities based on race and ethnicity. These tools are intended to enhance equity as we prioritize our most vulnerable residents for vaccine administration.

The EVE Model proposes that we view community vaccination rates alongside the CDC Social Vulnerability Index (SVI) to inform equitable allocation of this essential resource. Regularly mapping these results allows for targeted messaging and resource allocation in a dynamic, needs-focused manner. Furthermore, tracking vaccination rates based on SVI groupings provides an objective and transparent method of communicating progress.

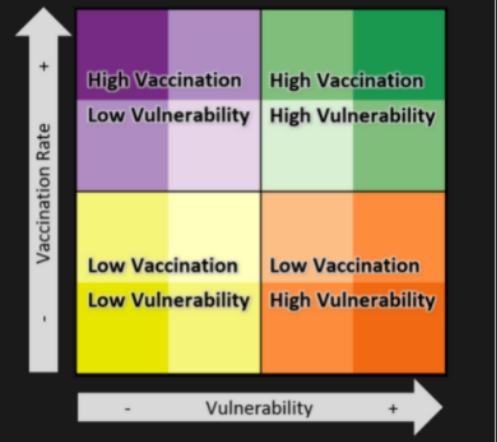
Two models for classifying vaccination rates were applied to census tracts in Milwaukee County, Wisconsin. SVI scores are generated every two years, so the classification of tracts by SVI remains static.

- **Goal-Oriented Classification:** This classification was designed to monitor progress toward the goal of full vaccination for 80% of the county population aged 16 years and older. Census tracts were divided into four groups based on percentage of the population receiving at least one dose: 0-19%, 20-49%, 50-79%, and 80-100%. The color scheme of this map differs slightly from the diagram on this page, with any tract over 80% shown as dark green or dark purple to easily identify areas with goal achievement. Patients receiving at least one dose were used to populate these maps with the assumption that they will complete the vaccine series (those receiving the Johnson & Johnson vaccine need only receive one dose to complete the series).
- **Outlier Classification:** This classification is better suited in

EVE Model - Goal Classification



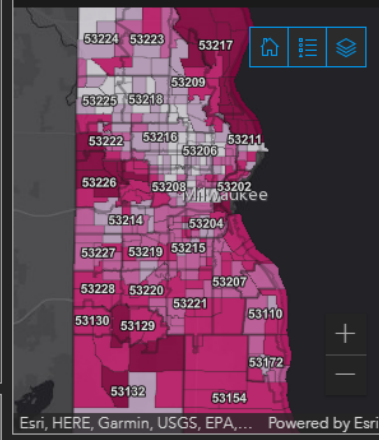
Goal | Outlier | Quartile



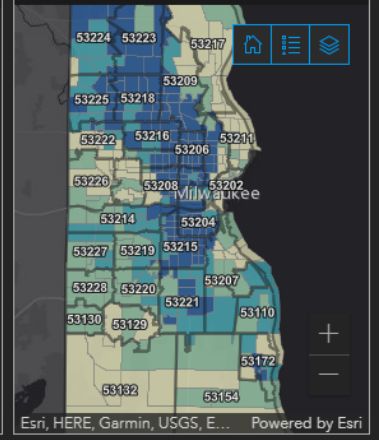
Key Points

- This model was created to assist evaluation and guide vaccine deployment strategies. It is suggested that users focus efforts to shift the orange areas on the map to green, ensuring that the most vulnerable populations are addressed.
- Cut off values for vaccination rates may be dynamic based on real time community values or objective goals. SVI cut off values remain constant ranging from 0 being lowest to 1 being highest.
- Because this model is dynamic and changes each week based on the latest available data, it is recommended that users view the Vaccination Rates by Vulnerability graphs to evaluate the effect of strategies on the four SVI groups over time. The graphs can be found to the right of this text.
- All rate data associated with census numbers will be transitioned over to the 2020 census results once the full data set becomes available.

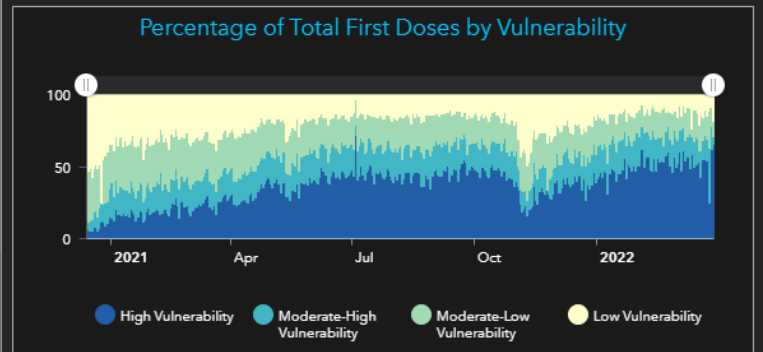
First Doses Administered Per 100K Residents



CDC Social Vulnerability Scores



Percentage of Total First Doses by Vulnerability



Percent of 1st Doses | Cumulative Rate

Major Accomplishments
Vaccine Clinic

- More than 17,000 doses of vaccine administered
- 2nd largest community site
- More than 450 in home vaccines
- Exclusively staffed by EMS providers
- Exposed nearly 10,000 people to hands only CPR training in observation area

Major Accomplishments
Bucks in 6

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