

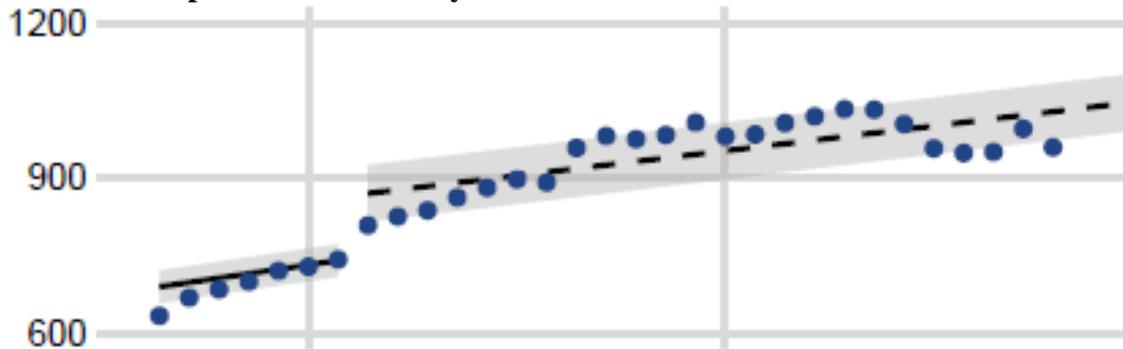
Infection Control and Public Health Weekly Meeting

Thursday, January 27, 2022; 12:30 – 1:00 pm

COVID-19 and Public Health Updates (Health Commissioners)

- Region Six ... 959 COVID-19 hospitalized (33%) / 193 ICU (20%) / 128 vents
- COVID-19 inpatients peaked at 1,033 (39%) and 200 ICU last week
- 29.9% 14 county positive test rate (3,935 tests)
- Definition of a “cluster” and outbreak for targeted investigations, continue to investigate outbreaks in congregate care settings. Shifting more responsibility back to the community.
- Demand for vaccines has decreased significantly. Clermont County had Saturday clinic to accommodate schools but discontinued due to low turnout.

COVID-19 Inpatients Last 30 Days



Public Health - Change in Contact Tracing

- Health departments transitioning from universal case investigation and contact tracing to outbreak investigations and targeted case investigations
- Universal case investigation and contact tracing was implemented in spring 2020 changing to more strategic approach at this point in COVID-19 pandemic
- Next phase of the pandemic approaching endemic. PCG (PCG = public consulting group, state assistance with contact tracing) only able to reach 15% for universal contact tracing in December.
- Implications for schools – discontinue tracing “probable” cases, continue what is working
- Classifications of unvaccinated, vaccinated, and vaccinated and boosted (up to date)

Delta vs. Omicron SARS-CoV-2 Variant Surge Comparison

Peak Seven Day Average	Delta	Omicron
Case Rate	164,374 (Sept 2)	806,801 (Jan 15)
Hospitalizations	102,782 (Sept 4)	159,595 (Jan 20)
Deaths	2,100 (late Sept)	2,230 (Jan 15)
Vaccine effectiveness*	94%	90%

*2-dose mRNA vaccine (Delta) / 3-dose mRNA vaccine (Omicron)

Post-Discharge COVID-19 Patients

- Baricitinib study was while hospitalized for 14 day or until discharge (not prescribed if less than 10 days). Patient cost > \$500 if available, NOT available at Mercy retail pharmacies.
- Continuation of dexamethasone or systemic steroid is the norm but without evidence, emerging consensus for fewer days of steroid, similar to COPD
- Post COVID Conditions (long COVID) treatment algorithms, including pulmonary rehab, PT/OT, speech.
- Cleveland Clinic treated positive EBV antibody patients with acyclovir. Infectious Disease working group had not heard of this as a potential treatment.
- OSU study with amantadine for post COVID “brain fog” – Mercy Care Clinics participating

Evusheld (tixagevimab 150 mg / cilgavimab 150 mg IM injection)

- Pre-exposure prophylaxis for whom vaccination not effective or not recommended
- Still available locally, specifically for defined immunosuppressed

National Guard Testing Sites

- Number going down, consider moving one of the sites

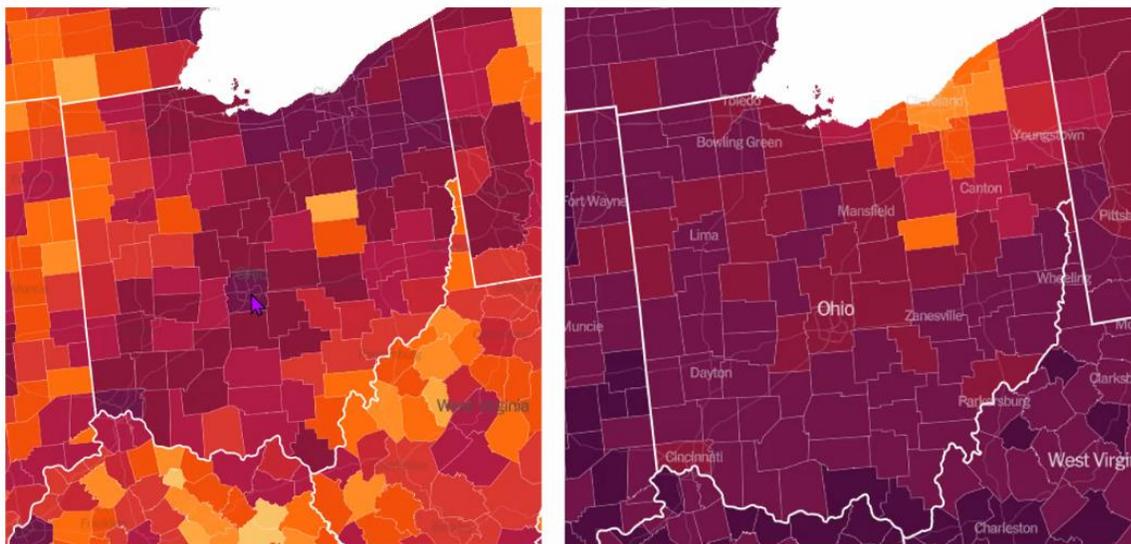
Long Term Care and Post-Acute Vaccination Data and COVID-19 Cases (Chris Chirumbolo)

Next Zoom Call ... **Thursday, February 3** (12:30 – 1:00 pm)

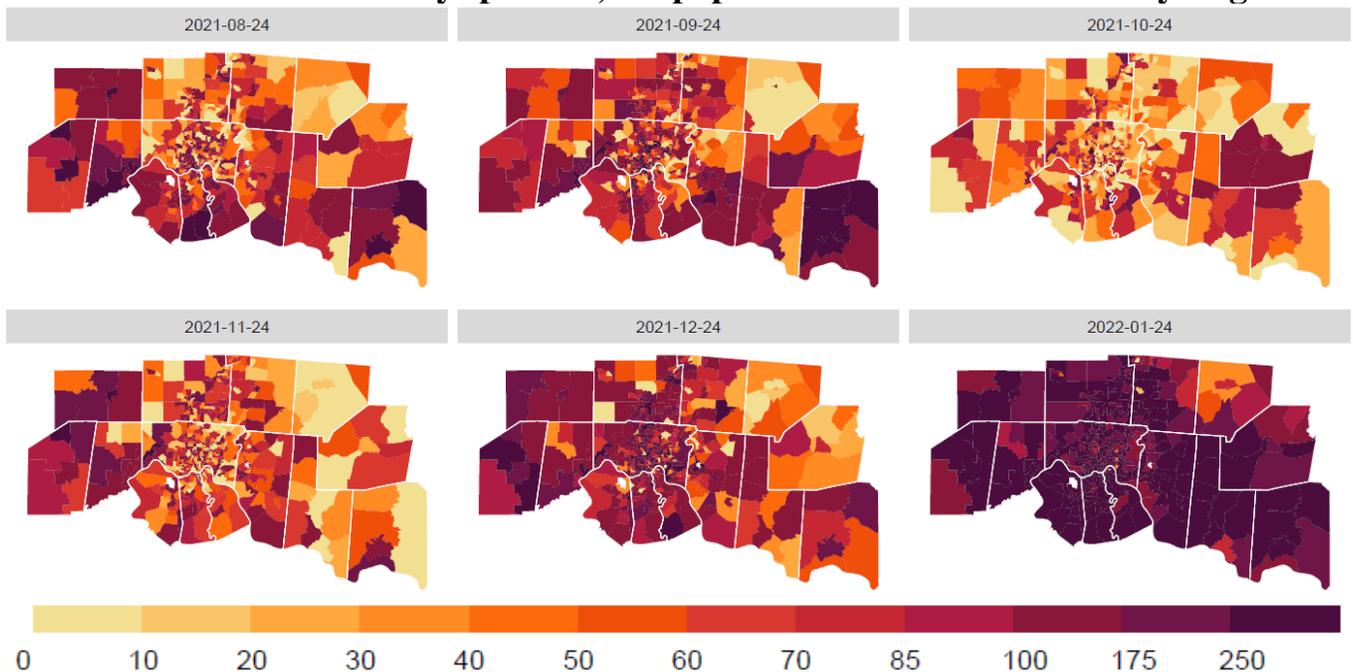
Positive Cases per 100,000 population in Ohio

January 3, 2022

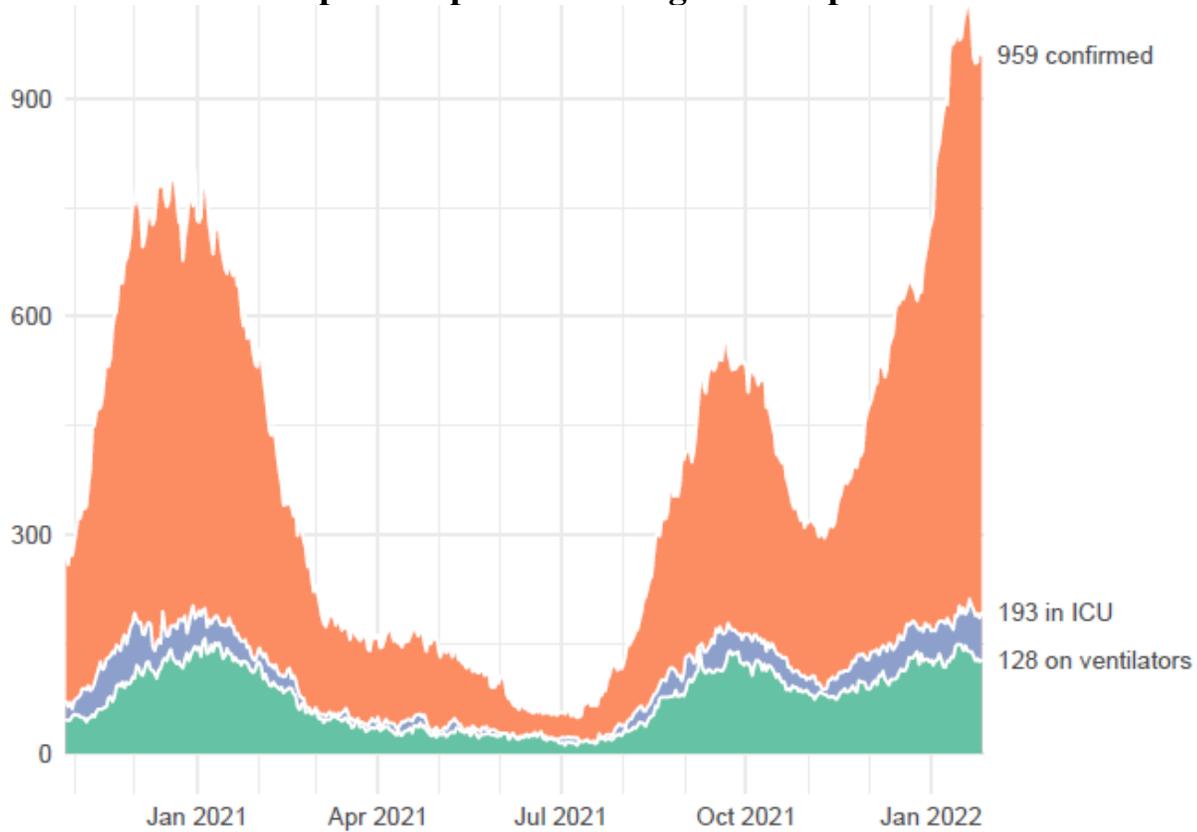
January 25, 2022



Positive cases over last 7 days per 100,000 population over time 14 County Region



Number of COVID positive patients in Region 6 hospitals

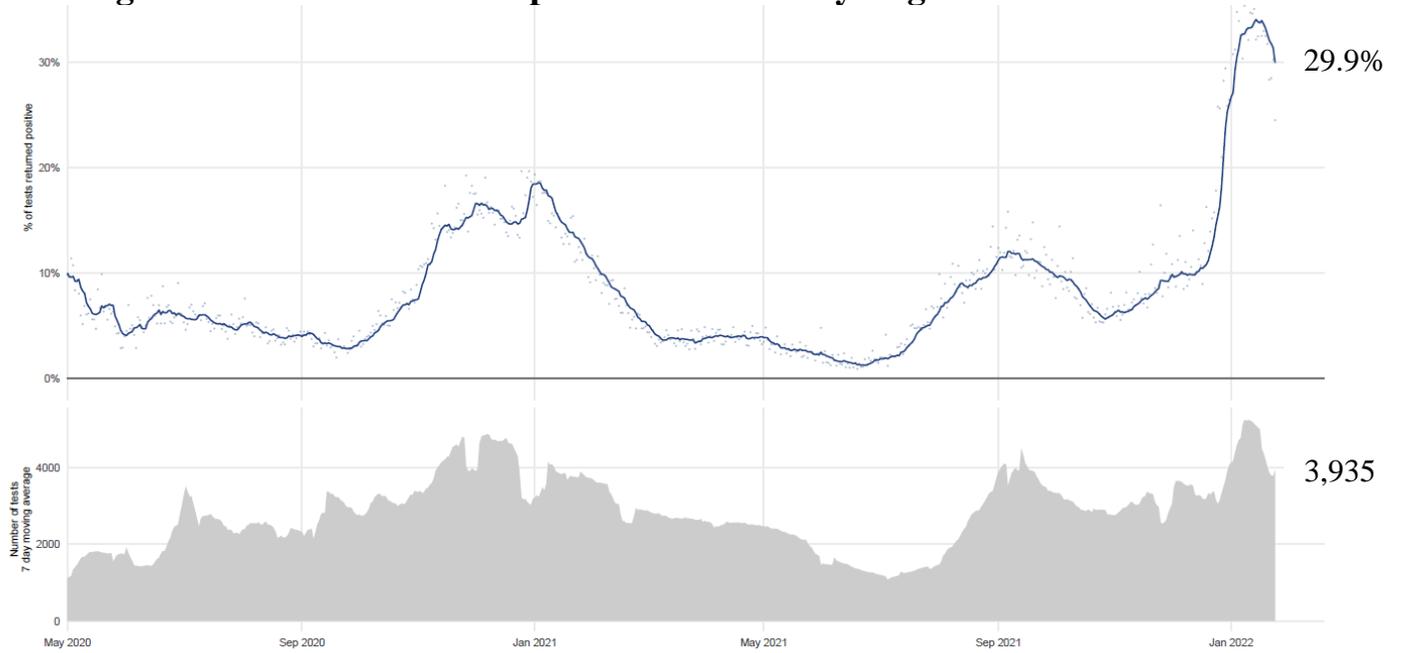


Ohio Incidence Rate Cases per day (7-day average) by Region



Region	Incidence Rate (cases/day/100K)
1	155.1
2	46.3
3	198.1
4	151
5	89.7
6	189.4
7	247.1
8	179.8

Percentage of test results returned positive in 14 county Region

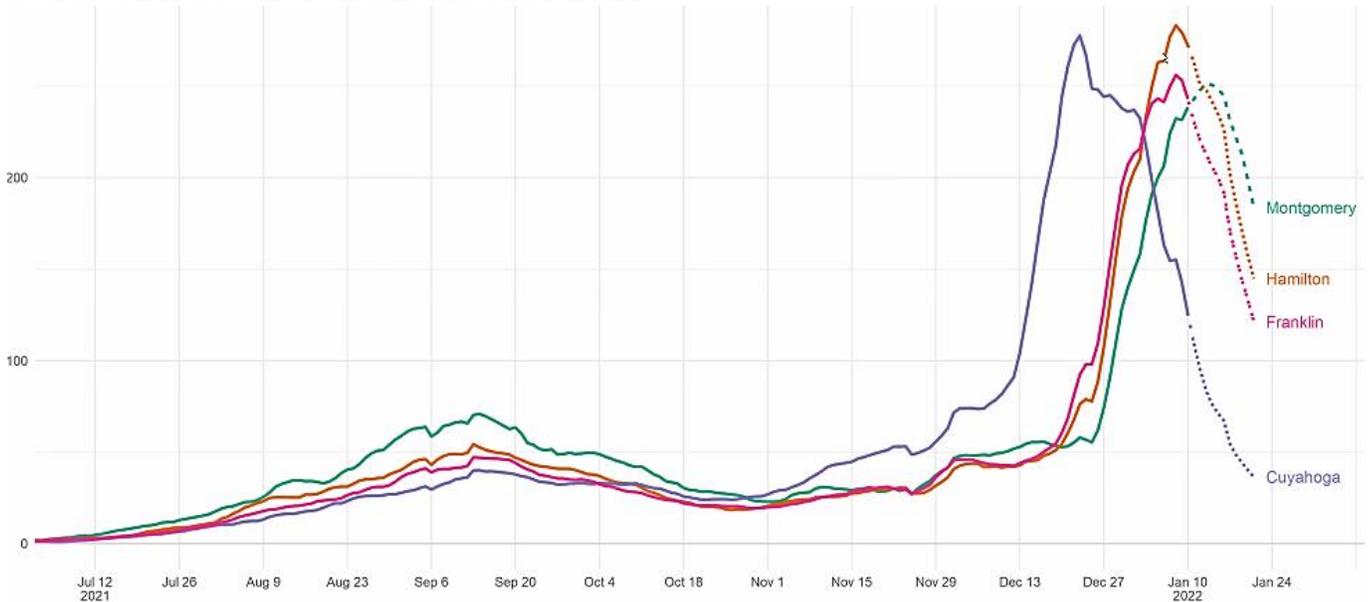


Source: The Health Collaborative data as of 01/26/2022

Seven Day Sum of New COVID cases per 100,000 people in Hamilton (orange), Cuyahoga (blue), Montgomery (green) and Franklin (pink) counties

Dotted lines indicated preliminary data, which should be viewed as a floor on the eventual case count

Source: ODH COVID-19 Dashboard on 01-24-22



Nursing Home Vaccination Rates

State

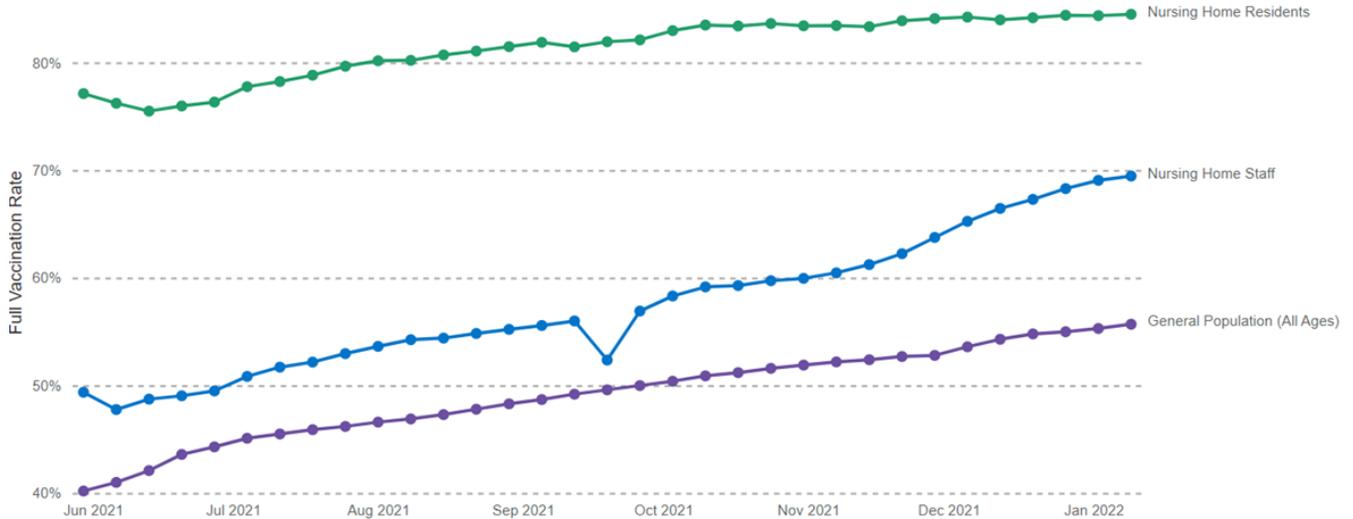
OH

Staff
69.5%

Residents
84.5%

General Population
55.7%

Vaccination Trend



Data Through:

January 9, 2022

Sources: CMS NHSN for nursing home data, CDC for general population data. Notes: Fully vaccinated rates shown (e.g. 2 doses of Pfizer/Moderna or 1 dose of J&J). Only medical exemptions accounted for in the calculations.

COVID-19 Among Nursing Home Residents

State

OH

Timeframe

- Select all
- Before Vaccines
- After LTC Vaccine Clinics Began (12/18/20)

Cases

49,067

Deaths

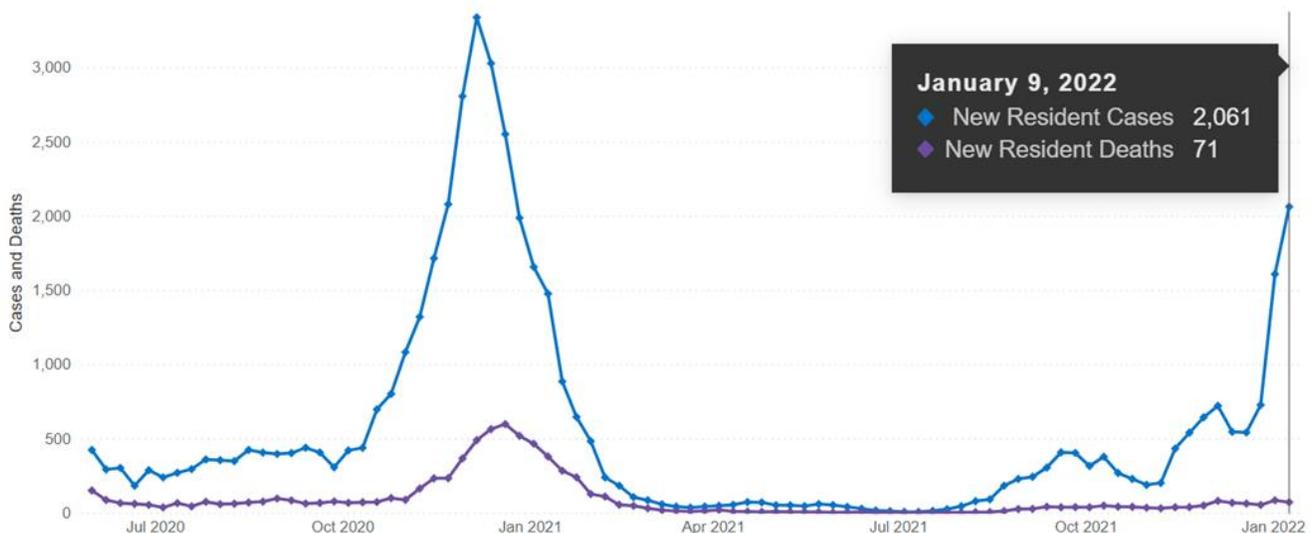
8,478

Estimated Recoveries

34,738

Trend of New Cases and Deaths

◆ New Resident Cases ◆ New Resident Deaths



Data Through: Week ending Jan 9, 2022 (*Latest week's data is preliminary and represents fewer nursing homes than other weeks)

Source: NHSN. Notes: May 24, 2020 includes collective historic data. It is excluded from the graph since it does not capture that specific week, but included in the total value at the top. Estimated recoveries made using a 3-week disease period using NHSN cases and deaths.

COVID-19 Among Nursing Home Staff

State

OH

Timeframe

- Select all
- Before Vaccines
- After LTC Vaccine Clinics Began (12/18/20)

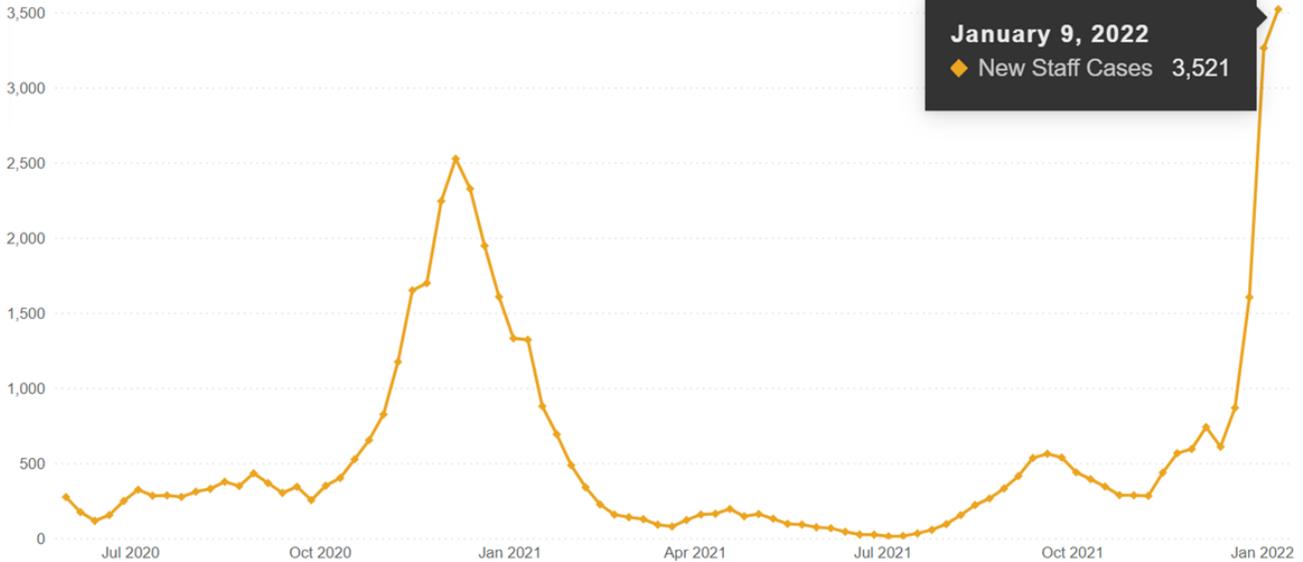
Cases

49,243

Deaths

57

◆ New Staff Cases



Data Through: Week ending Jan 9, 2022 (*Latest week's data is preliminary and represents fewer nursing homes than other weeks)

Source: NHSN Notes: 1) It is indeterminable how staff acquired COVID (whether while at the job or out in the community).

2) May 24, 2020 includes collective historic data. It is excluded from the graph since it does not capture that specific week, but included in the total value at the top.

COVID-19 New Cases: General Population & Nursing Homes

State

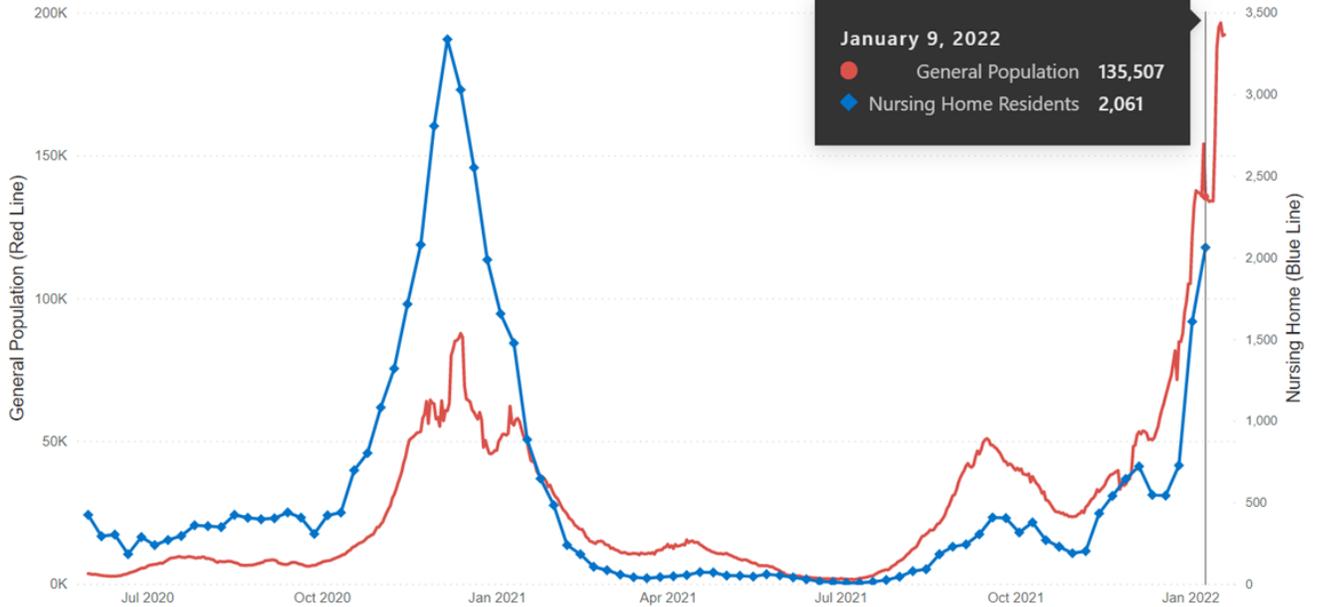
OH

Timeframe

- Before Vaccines
- After LTC Vaccine Clinics Began (12/18/20)

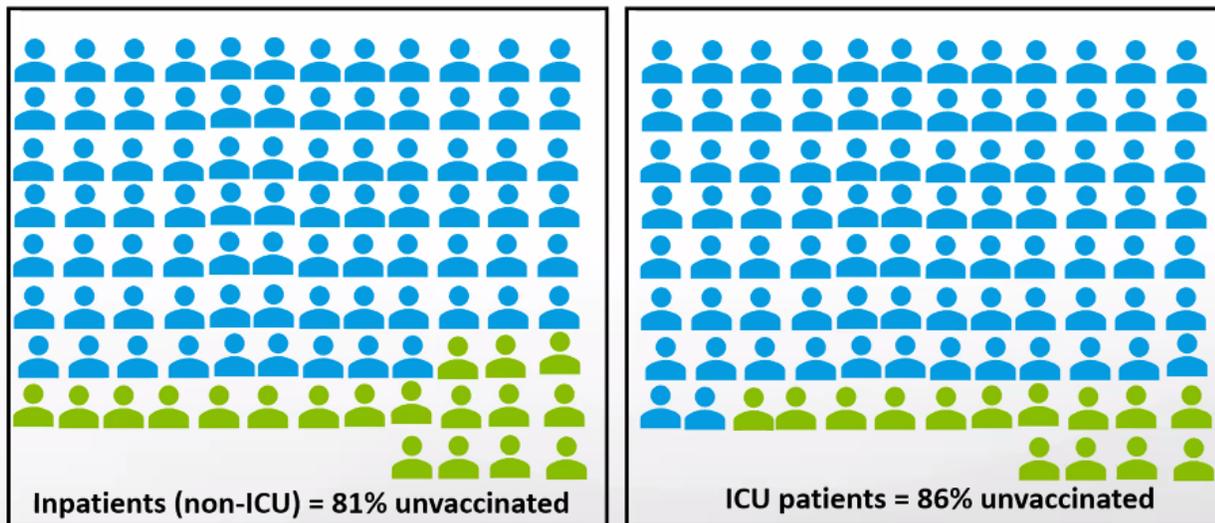
New Case Trends: General Population & Nursing Homes Residents (7-day)

● General Population ◆ Nursing Home Residents



Data Through: Nursing Home - Jan 9, 2022 (*Latest week's data is preliminary); Community - Jan 19, 2022 Sources: NHSN and Johns Hopkins University

COVID-19 Hospitalization Mercy Health System



OHSA Definition of Aerosol Generating Procedures

Bronchoscopy and BAL	Tracheal intubation/extubation
CPR	Sputum Induction
Manual ventilation	High Flow oxygen
Noninvasive ventilation (e.g., BiPAP, CPAP)	Nebulizer treatments
Open suctioning of airways	Tracheostomy

And Sitting on the Bench During Playoff Games

