

COVID-19 Update & Vaccine

2/10/2021



Testing

of Total PCR tests to date (2/10) = 25,110

Total positive = 1,159

Cumulative totals as of Feb 9, 2021:

- Number of STS tests: 6,413
- Total positive tests: 102
- Test positivity rate: 1.6%

It should be noted that this includes only Stop the Spread asymptomatic tests, and not those who are exposed/asymptomatic who go through NCH portico. We also know that many people may have been symptomatic and/or exposed and sought out STS testing rather than coming to NCH, so as not to reveal that they have been exposed or due to other reasons.

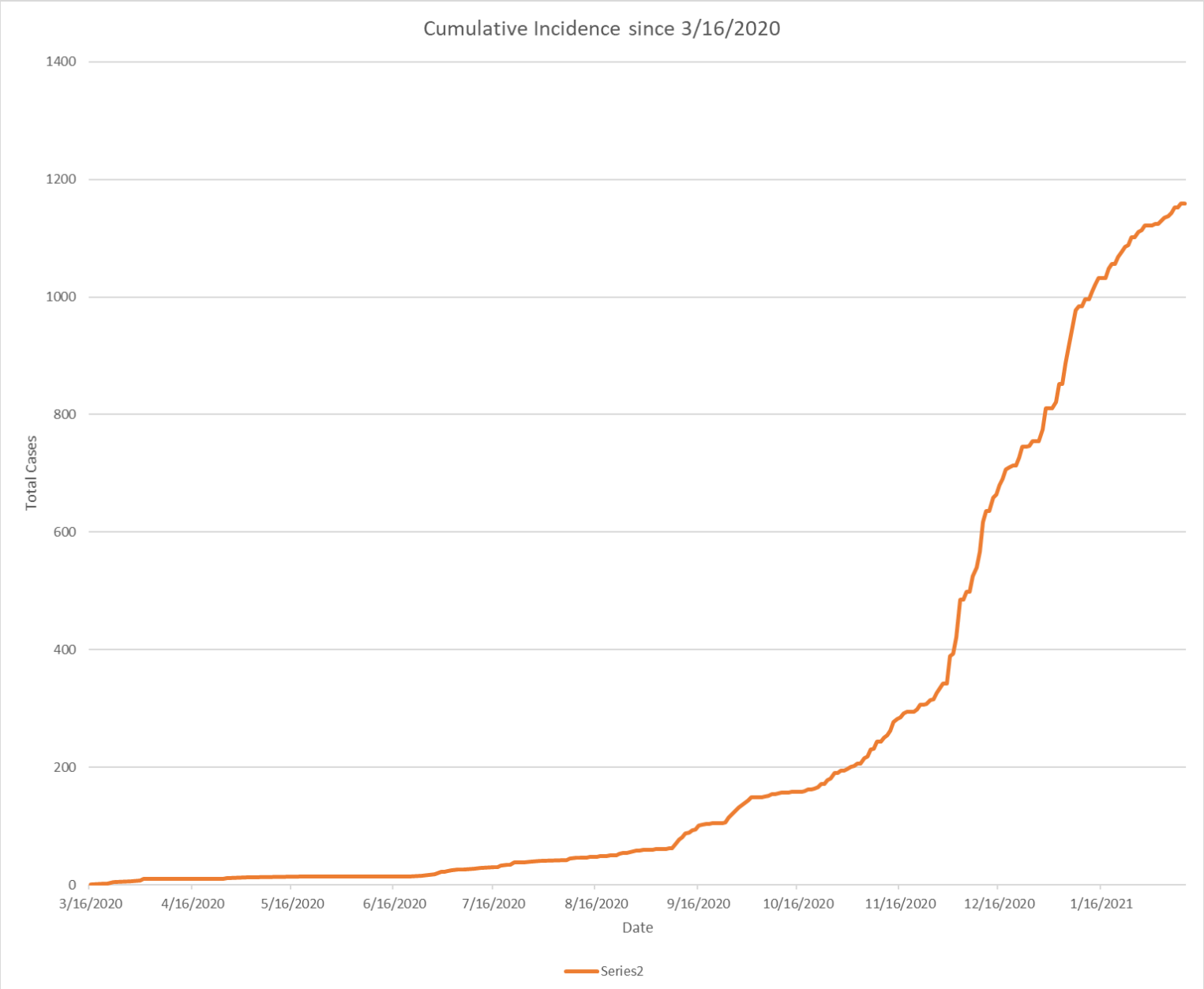
Overview

- There was significant spread caused by a lack of adherence to COVID mitigation measures and household spread.
- We had 29 cases in the last 7 days
 - 19 on 2/3
 - 46 on 1/27
 - 60 on 1/20
 - 109 on 1/13
- Crude death rate: 0.35% (4 in 1,159)

Metrics

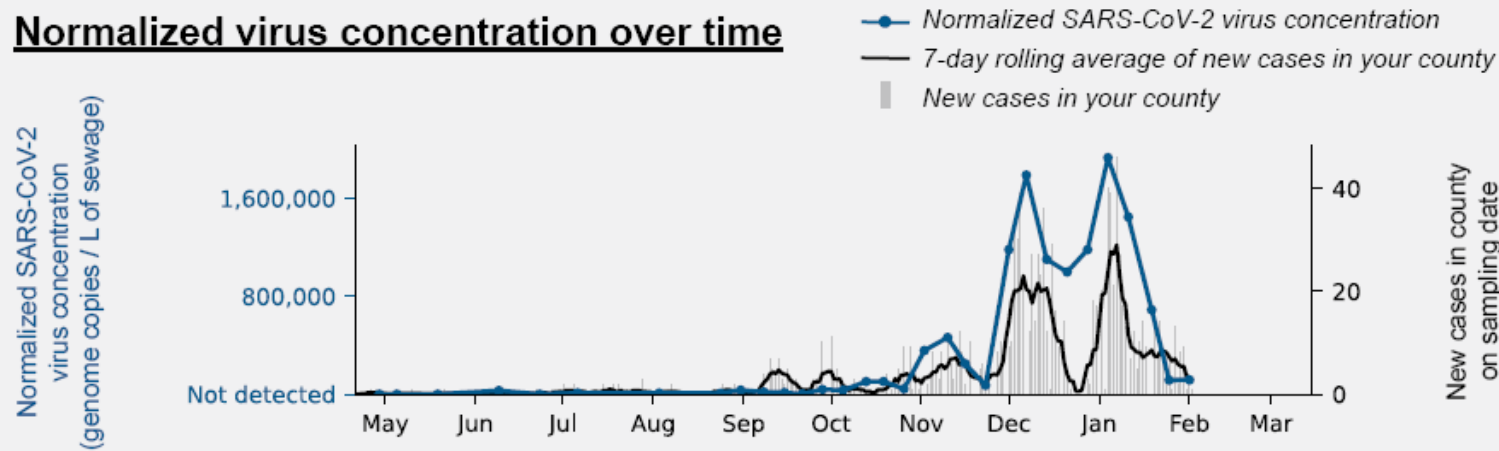
- **COVID-19 positive test rate** – Want to keep this number below 10%. Currently at 4.2% of 7 day average
- **Testing capacity** – Qualitative. Ability to keep up with demand. Currently, “Good”
- **Contact tracing capabilities** – Qualitative. Ability to keep up with demand. Currently “Up to date”
- **Sewer Predictive Incidence** –Qualitative evaluation of a Quantitative graph. Shows a spike is down with 1 case per day

Metrics



Metrics (Sewage)

Normalized virus concentration over time



Population Estimate: 20,182 people

Formula: $\frac{1,110,000 \text{ gal/day}}{20,182 \text{ people}}$
55gal/day/person

Biobot COVID19 incidence estimate*

* using Biobot's current analysis model v2.0, which reflects active R&D and will change over time with developing research

1 to 5 new cases / day
(0.01% incidence rate)

Using a reported flow rate of 1.11 MGD

For more information, read the whitepaper:
<https://doi.org/10.1101/2020.06.15.20117747>

This incidence estimate represents the projected average of **confirmed new clinical cases (per day)** that will be reported in your community 7 days from the sampling date. This estimate reflects active R&D.

This number is derived from Biobot's latest proprietary case model, leveraging thousands of samples analyzed for Covid-19. For context, USAFacts reports **4 new cases** on this sampling date and an average of **5.4 cases** per day for the past 7 days in **Nantucket County, MA**.

Visit our website for more details behind the process:
<https://www.biobot.io/case-estimates>
<https://www.biobot.io/updated-model>

Vaccine Plan

We are Here

We are more than 1 week ahead of the state



The infographic features a circular illustration at the top showing three diverse individuals wearing face masks. Below this, the text 'PHASE TWO' is written in large, bold, blue letters, followed by 'In order of priority' in a smaller, yellow font. A list of four priority groups is presented in a white box with a blue border. At the bottom, a dark blue banner contains the text 'February - April' in white, with a white circle and a dotted line above it.

PHASE TWO
In order of priority

- Individuals 75+
- Individuals 65+, Individuals with 2+ comorbidities (those that are at increased risk for severe illness)
- Early education and K-12 workers, transit, grocery, utility, food and agriculture, sanitation, public works and public health workers
- Individuals with one comorbidity

February - April

Vaccination Progress

- We have ~5,200 people signed up to receive the vaccine in Phase 1 and 2.
- 20% of all those eligible for the vaccine in phase 1 & 2 have received at least 1 dose
- Almost 100% of all Phase 2 tier 1 (75+) candidates have received at least 1 dose.
- Keep an eye out for communication from TON, NCH, & the state DPH for information on tier 2 & 3 openings
- J&J vaccine expected to receive EUA from FDA, this month

Nantucket COVID-19 Vaccine Tracker

Monday, February 8, 2021

First dose vaccinations

1,054

Second dose vaccinations

199



Numbers are updated weekly, and include Phase 1 and Phase 2 vaccinations

