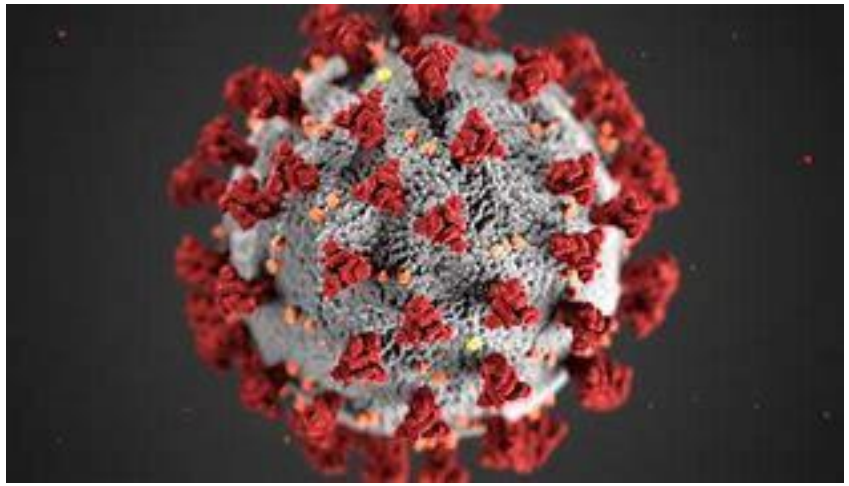


City of Stamford: COVID19 Update

February 16, 2020

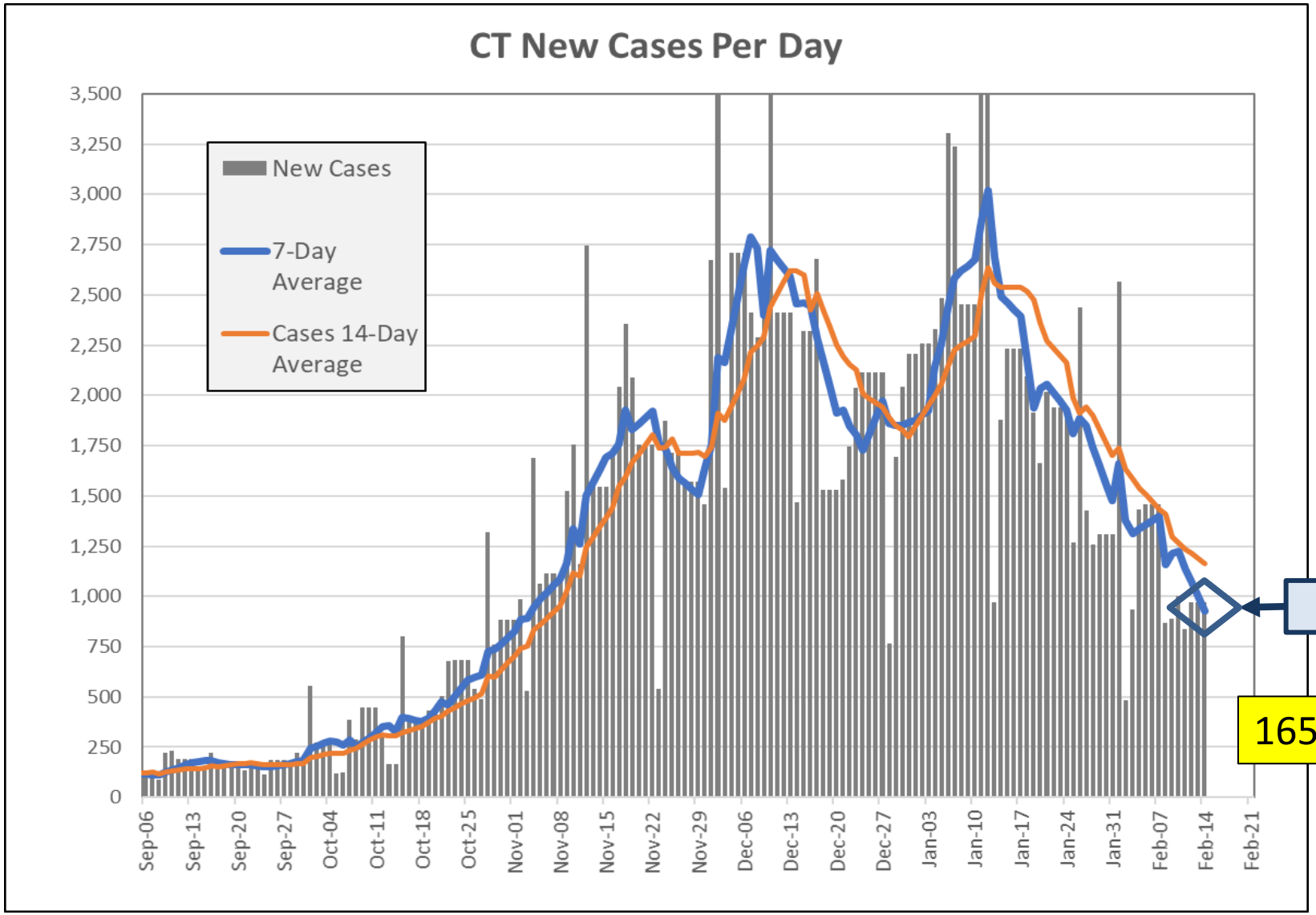
Source: Open ClipArt

State of the City: COVID19 Agenda

COVID-19 in Stamford	Mayor David Martin
Vaccinations in Stamford	
COVID-19 Variants	Dr. Asha Shah
Double masking	Dr. Henry Yoon
Ask Mayor Martin	Mayor David Martin
Conclusion	


487,000 Total U.S. Fatalities from COVID-19

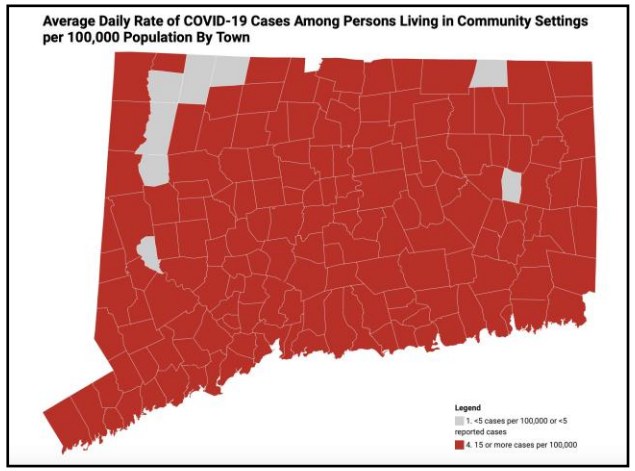
State of the State: COVID19



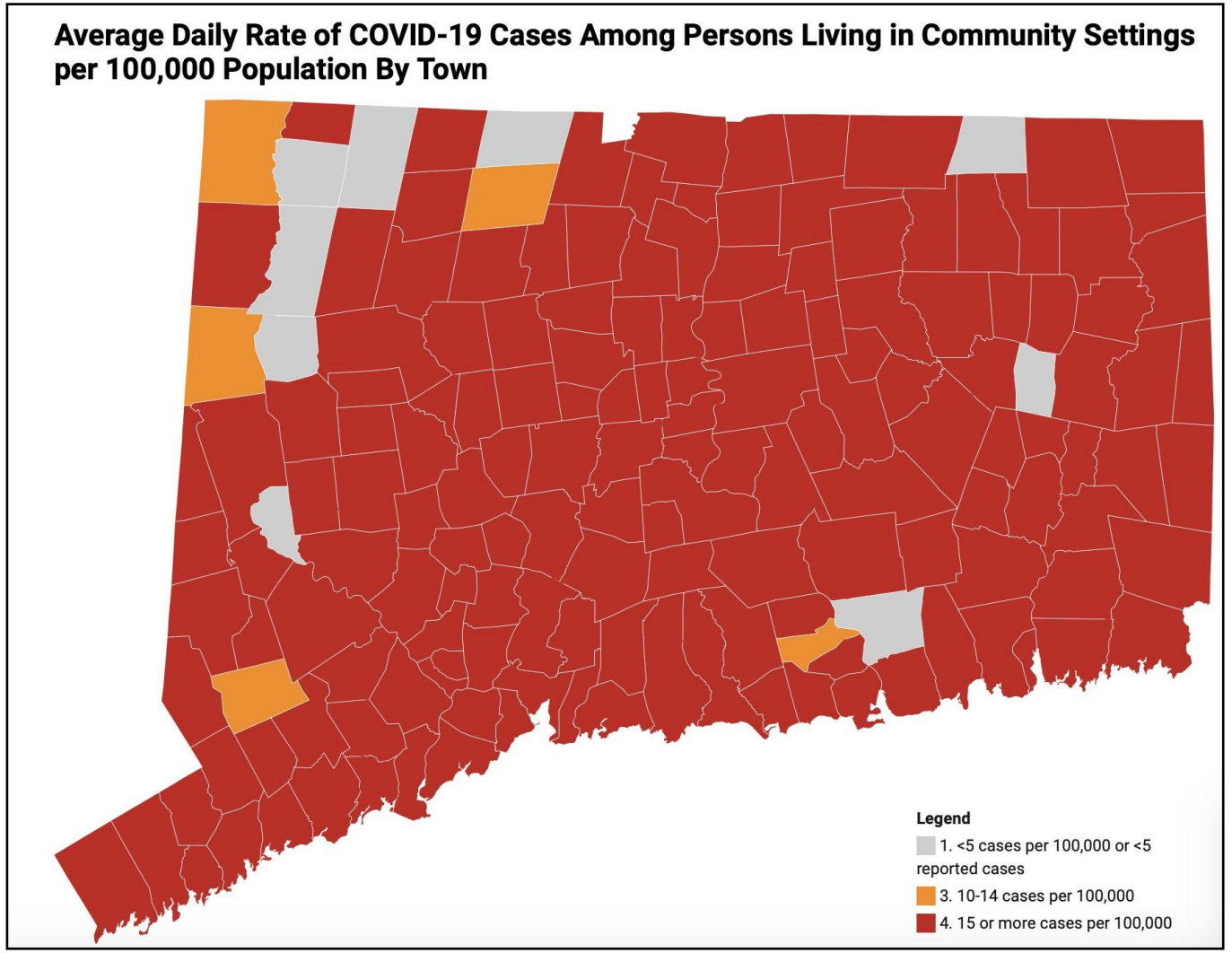
929 new cases/day

165 Fatalities in last week

State of the State: COVID19

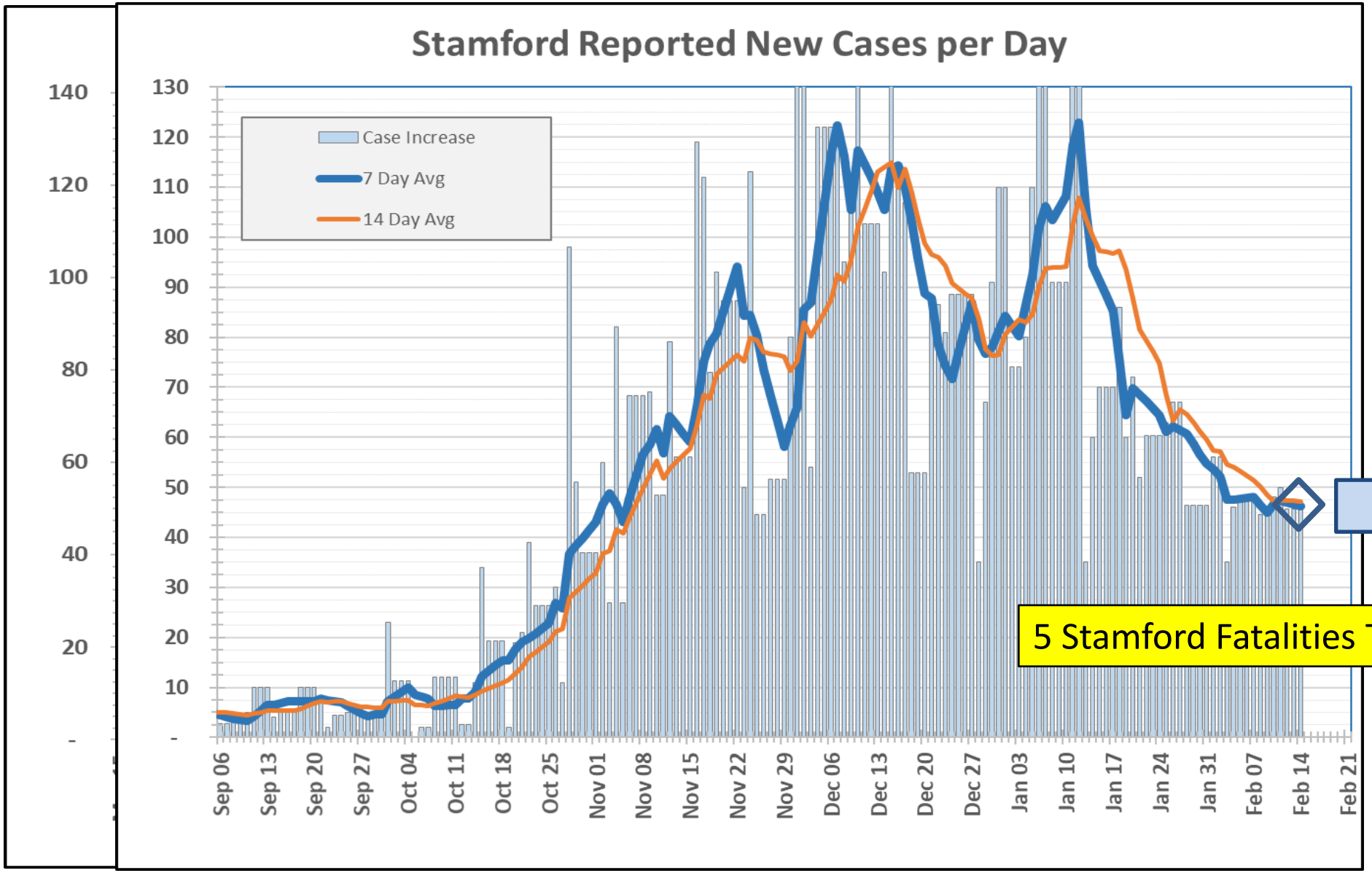


Prior Week



Source: CT.GOV, data as of 2/11/21 (centered), 2/04 /21 (top left)

State of the City: COVID19 Case Trends

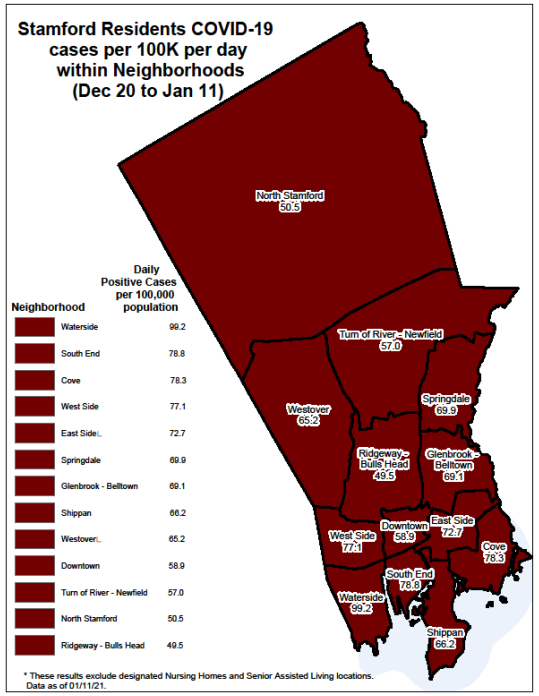


46 cases per day

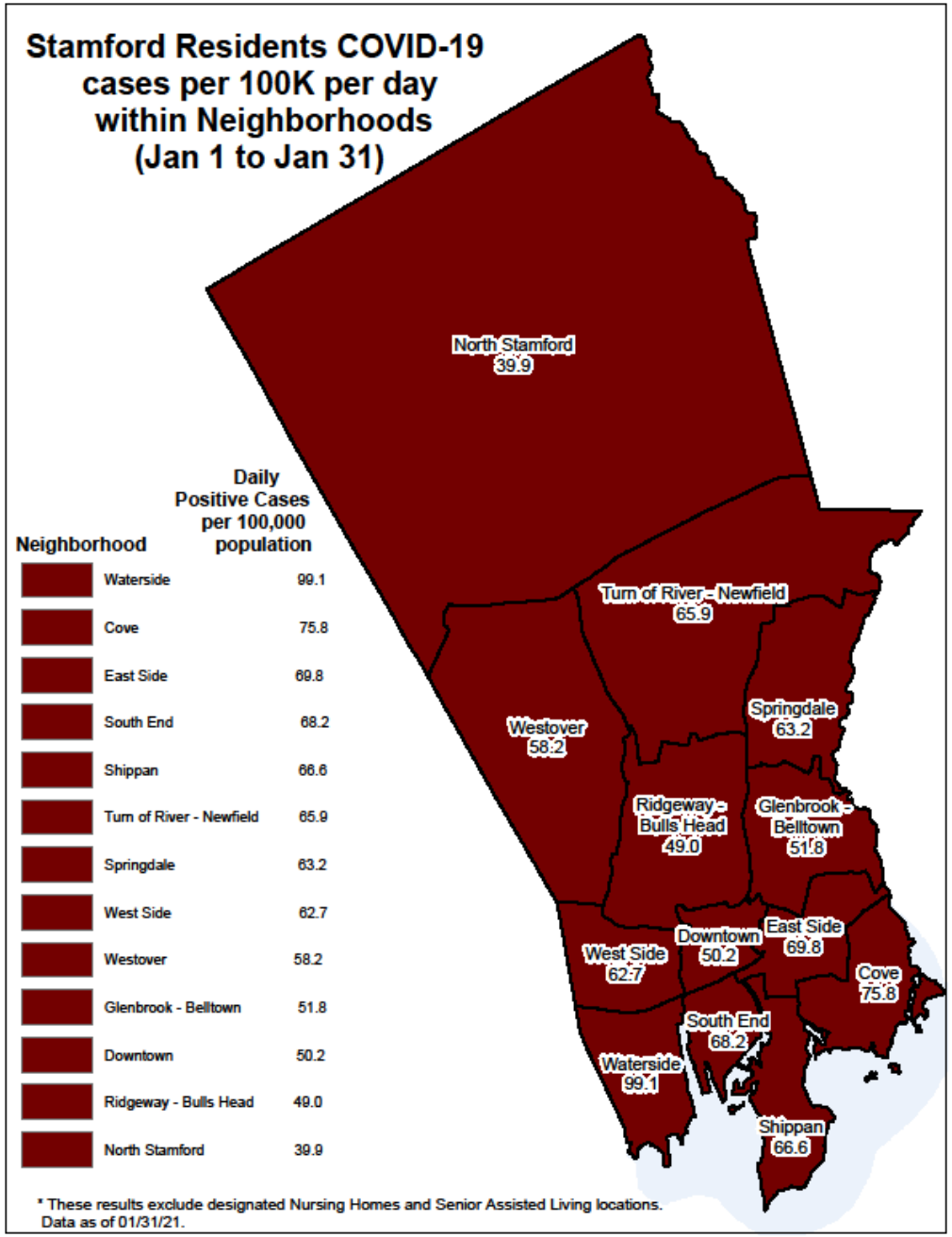
5 Stamford Fatalities This Last Week

State of the City: COVID19 Neighborhood Case Levels

Every Stamford Neighborhood is "Purple-Red" with Coronavirus

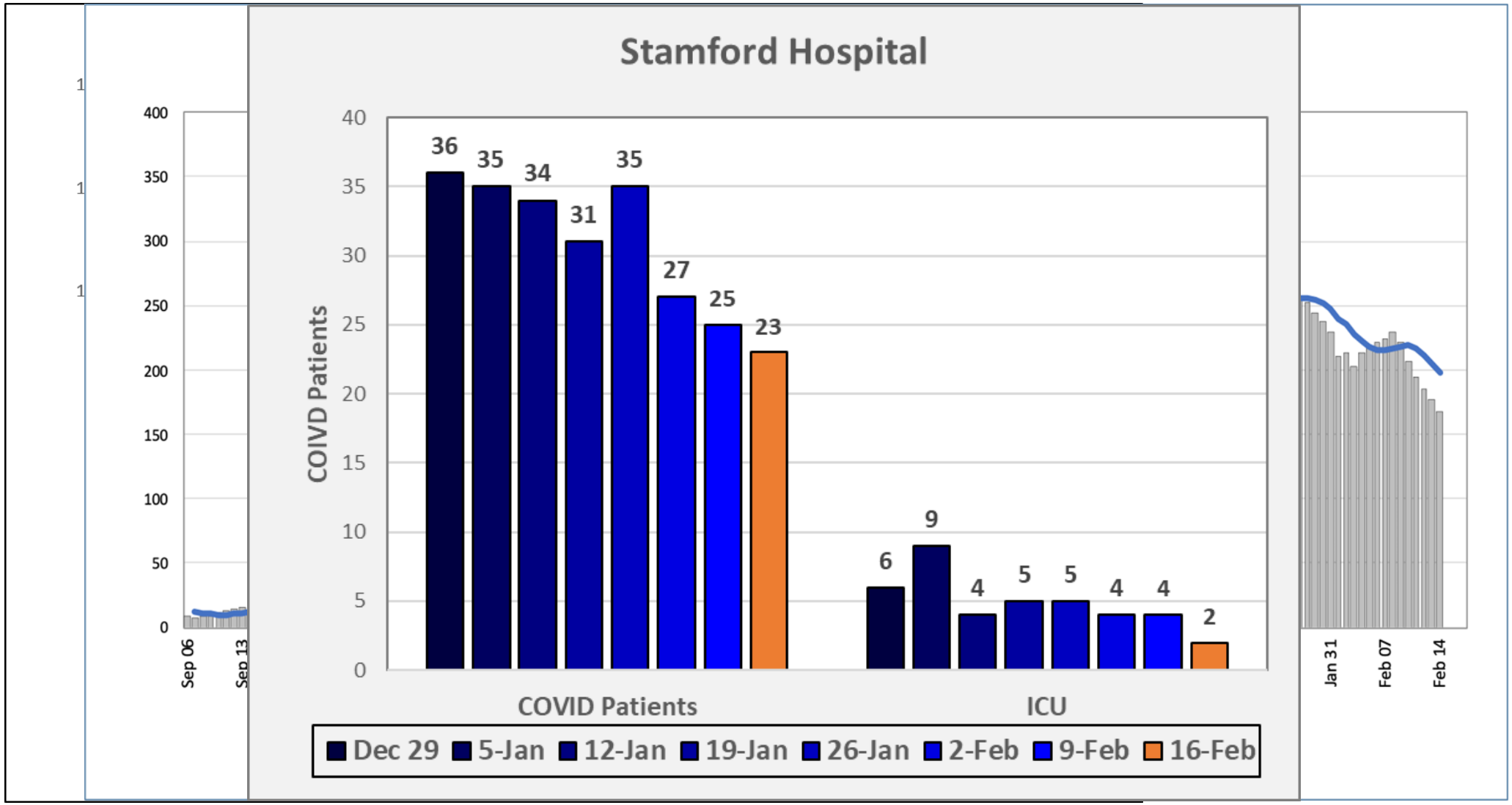


Last Neighborhood Map



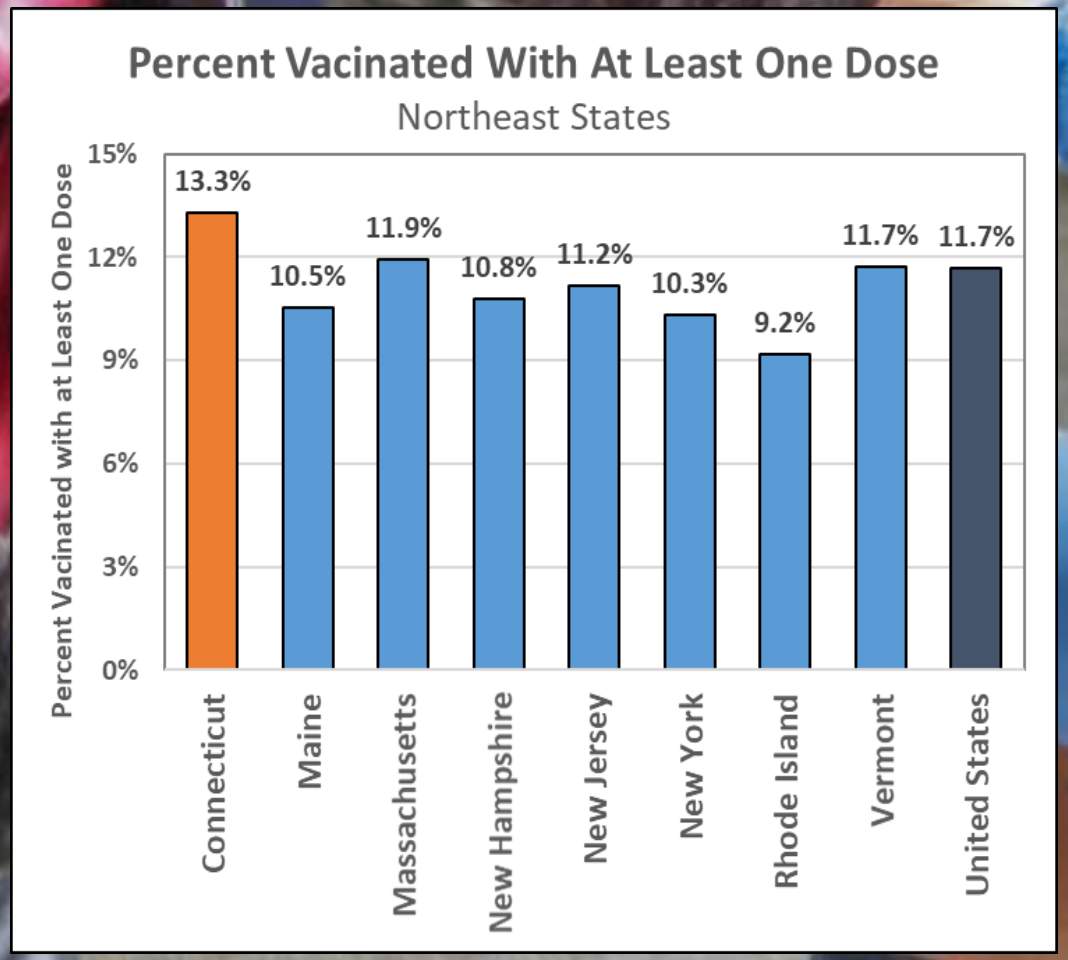
Excludes Nursing Homes/Senior Care Facilities

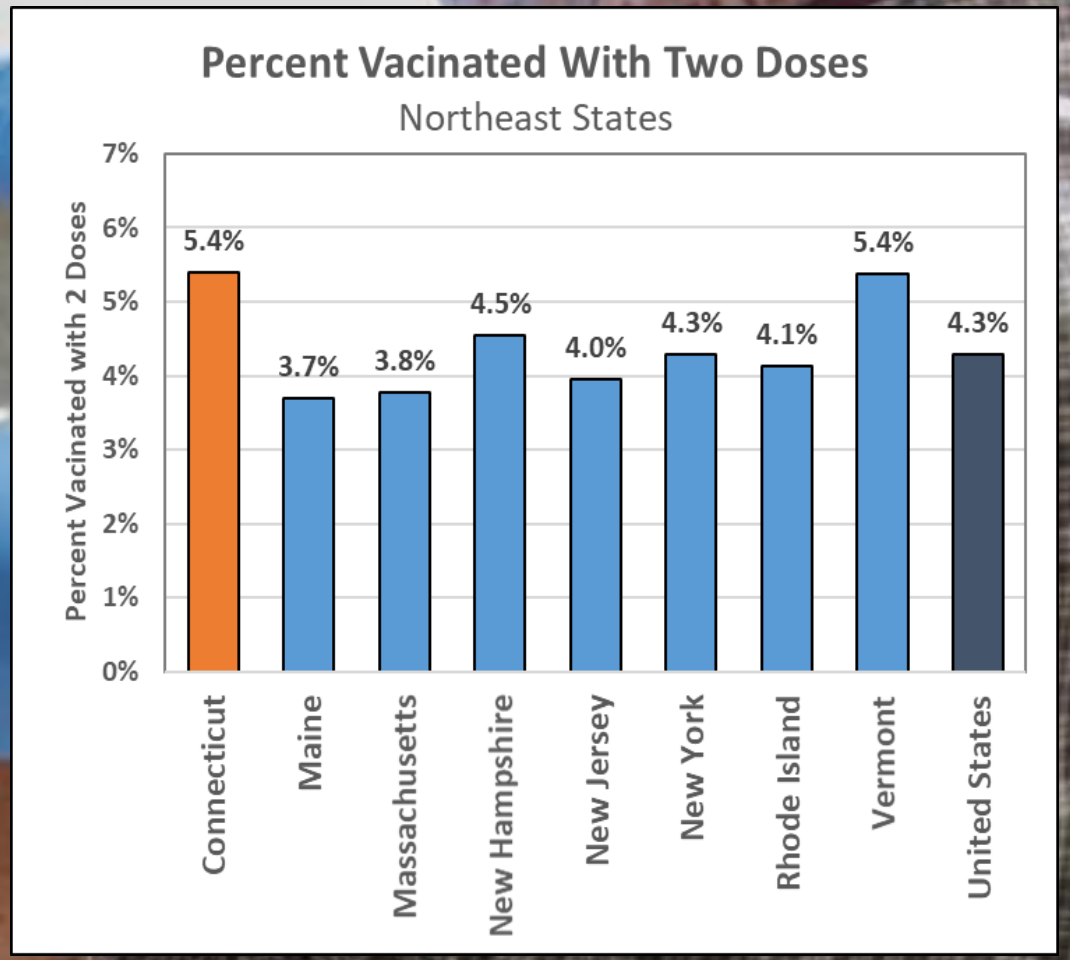
State of the City: COVID19 Hospitalization Rate



Source: CT.GOV, data through 2/14/21, downloaded 2/15/21

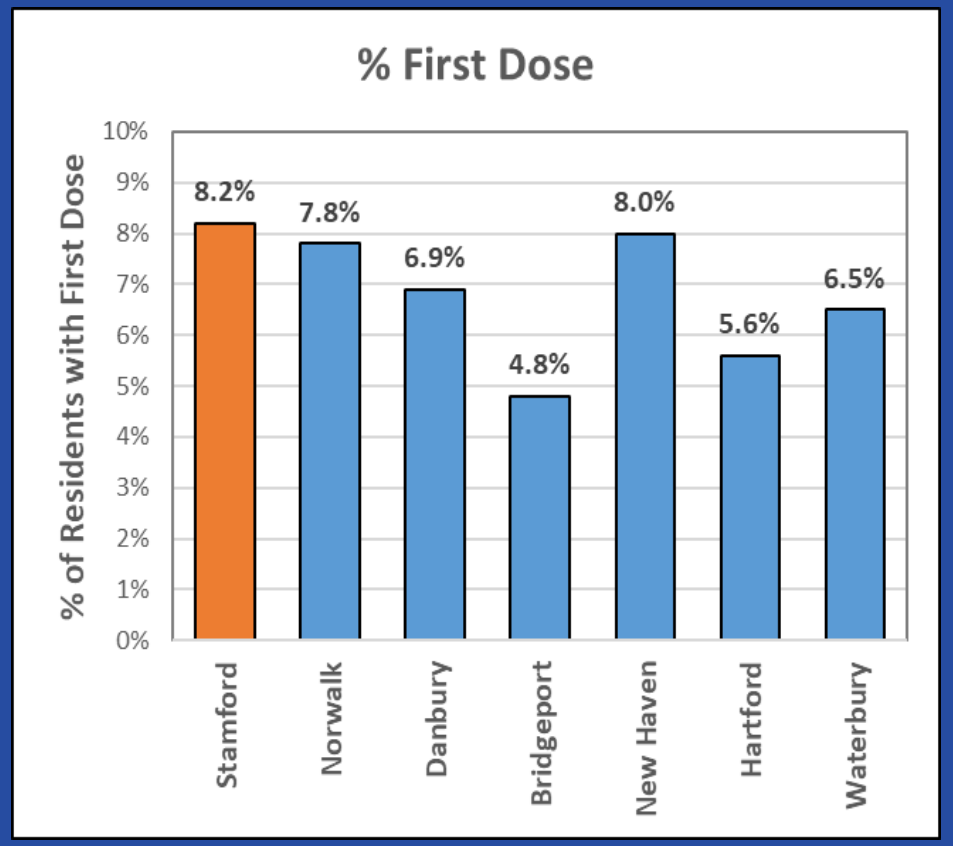
State of Connecticut: Covid 19 Vaccination Rate

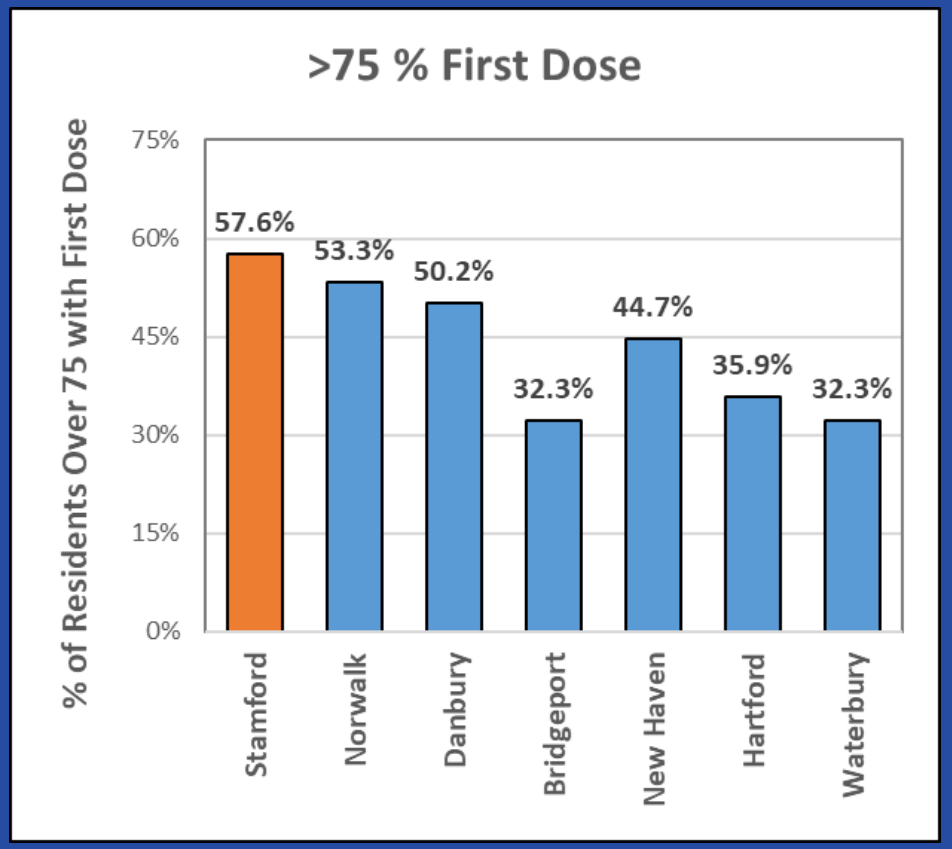




Source: Center for Disease Control
Data updated 2/15

State of the City: COVID19 Vaccinations





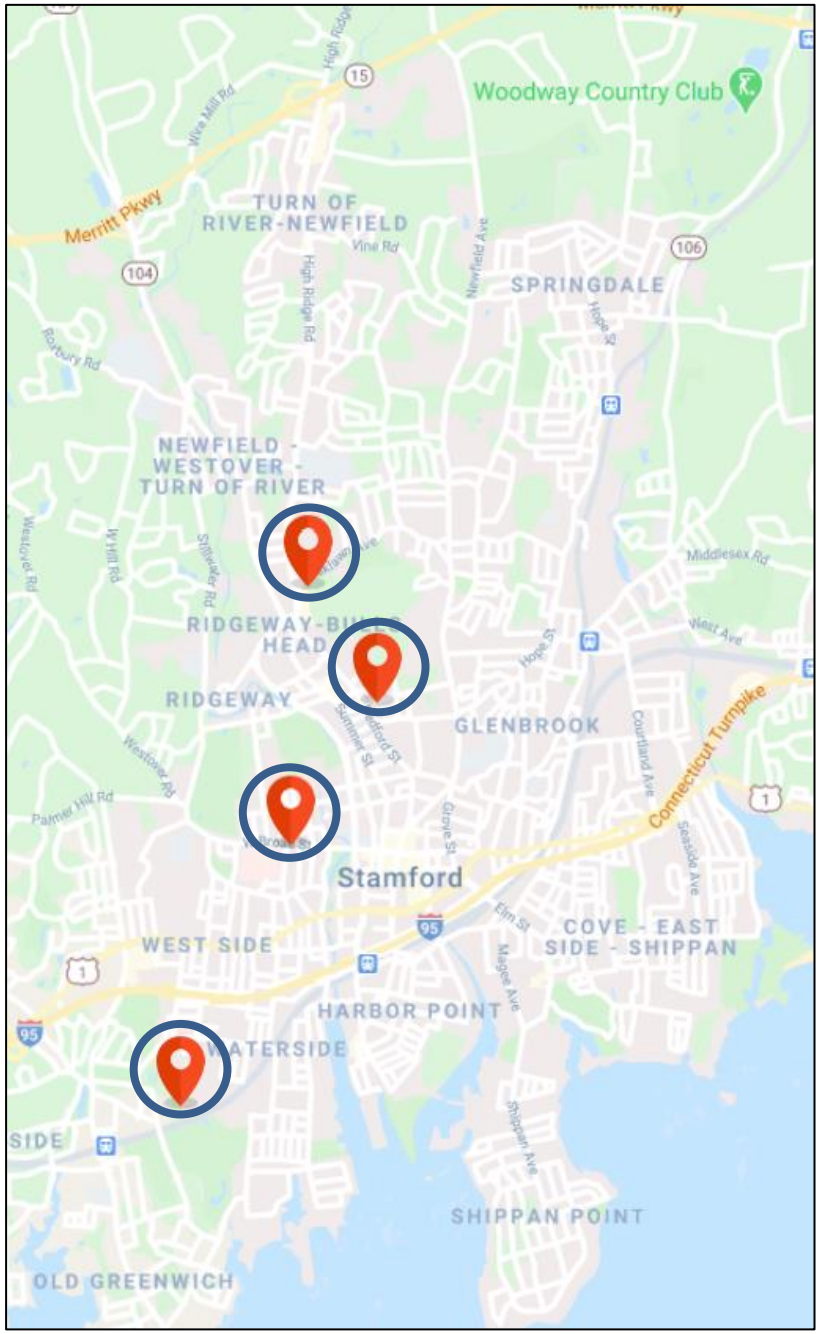
As of last Thursday Feb. 11

Phases of Vaccination

- **Phase 1A:** Very high risk and Frontline workers (started December)
  - Healthcare workers
  - First responders
  - COVID-19 vaccinators (healthcare professionals and support)
  - Long-term care
- **Phase 1B:** Essential functions of society/risk of severe COVID-19 illness
  - Persons 75 years and older
  - Persons 65 years and older
  - Critical municipal employees
  - Teachers
  - Persons with underlying medical conditions
- **Phase 2 - 3**
  - People at increased risk of acquiring or transmitting COVID-19
  - People with limited access to routine vaccination services
  - General population

How to Get a Covid-19 Vaccine

- **Stamford Hospital / City of Stamford**
  - https://www.stamfordhealth.org/covid-19-update/covid-19-vaccination-information/ , OR
  - Call Vaccine Appointment Line **(203) 276-7300**
- **Other Providers:**
  - **CHC**
    - **CHC** – 22 Fifth Street, Stamford. **Register through VAMS.**
    - **CHC** – Lord & Taylor Drive Through; 110 High Ridge Road, Stamford. Dial **877-918-2224** or **211** in Connecticut
  - **Yale New Haven Health**
    - https://www.ynhhs.org/patient-care/covid-19/vaccine/get-your-covid-vaccine.aspx, OR
    - Call the Yale COVID Hotline **833-275-9644**
  - **UConn Health**
    - https://health.uconn.edu/coronavirus/covid-vaccine/
  - **Hartford Health**
    - https://hartfordhealthcare.org/health-wellness/covid-vaccine
- **VAMS (U.S. CDC)** – https://vams.cdc.gov/vaccineportal/s/landingpage
  - **CHC** – 22 Fifth Street, Stamford
  - **CHC** – Lord & Taylor Drive Through; 110 High Ridge Road, Stamford
  - **Family Centers** – Old Greenwich Civic Center, 90 Harding Road, Greenwich
  - **Greenwich Health Department** - 101 Field Point Road, Greenwich
  - **Griebs Pharmacy** – 1021 Post Road, Darien
  - **Norwalk Hospital** – 34 Maple Street, Norwalk
  - **Norwalk Community Health Center** – 120 Connecticut Ave, Norwalk



Vaccination sites in Stamford (211ct.org)

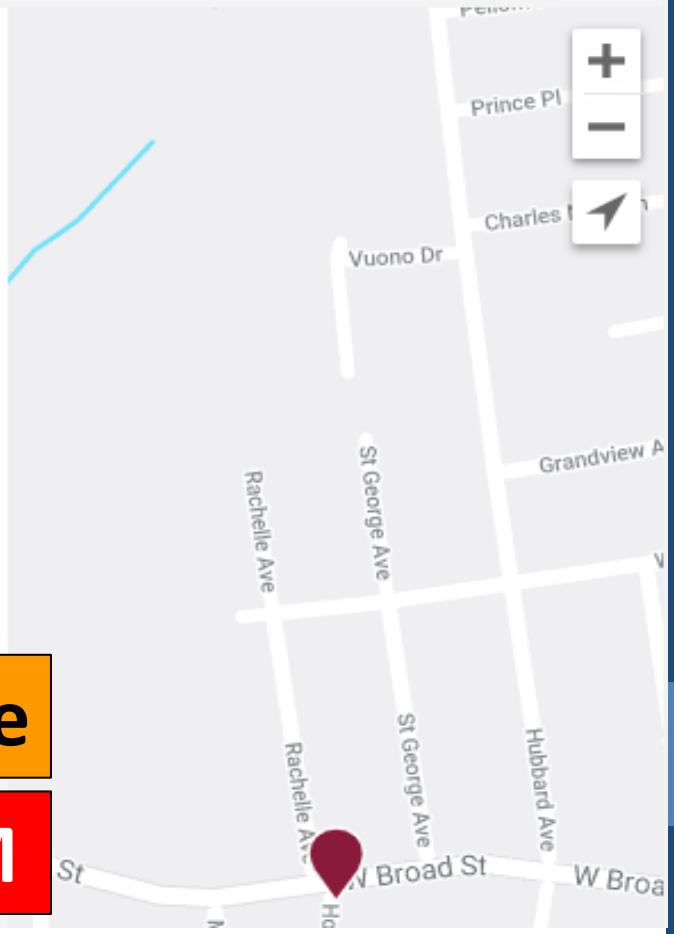
Sign Up for the Vaccine: Stamford Health

Book an appointment

Filter by: specialty: choose a specialty visit reason: COVID-19 Vaccine Dose 1

Stamford Hospital - COVID-19 Vaccination
COVID-19 Vaccination Facility

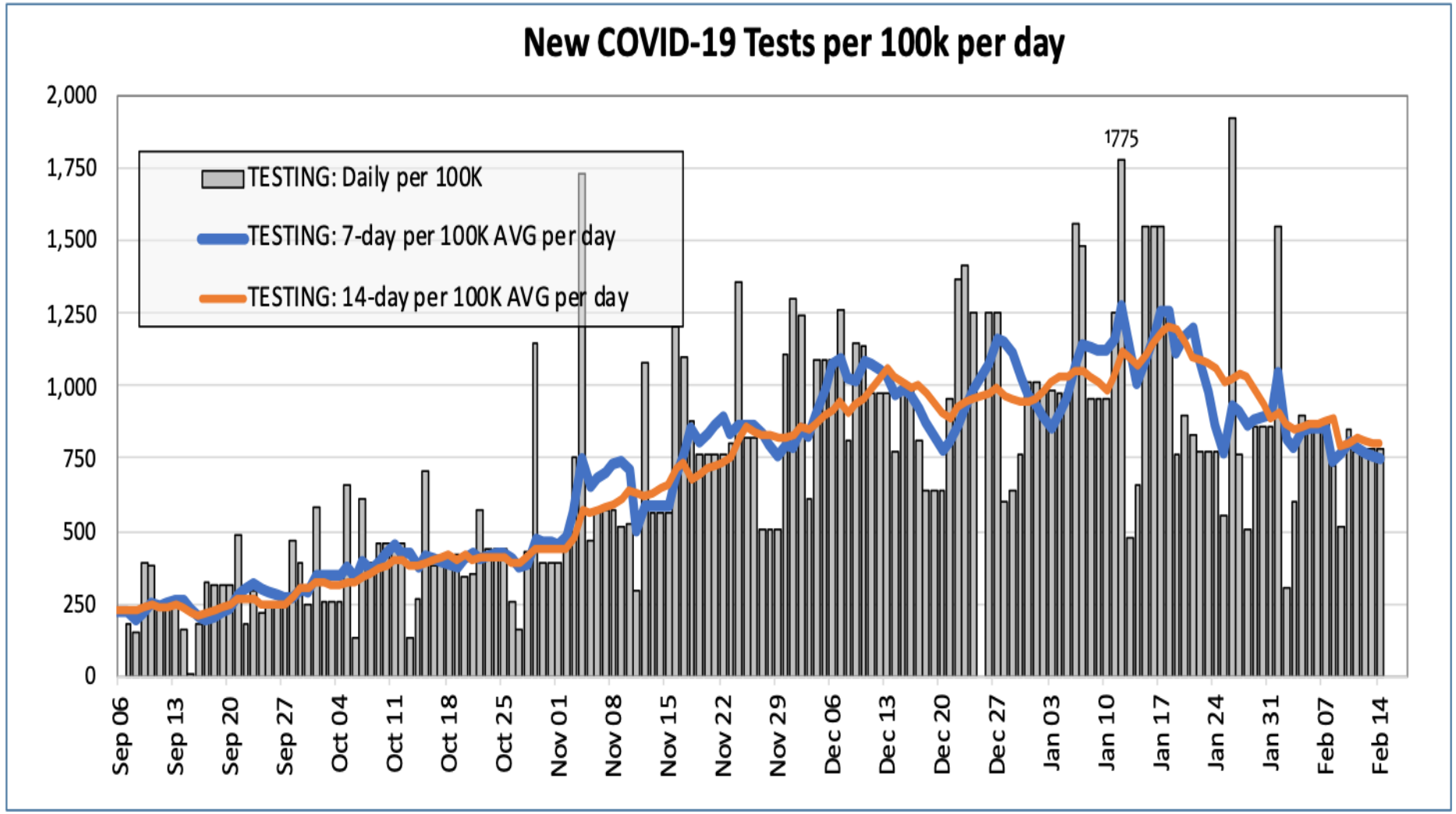
	Tue Jan 26	Wed Jan 27	Thu Jan 28	Fri Jan 29
Stamford Hospital - COVID-19 Vaccination 1 Hospital Plz, 2nd Fl Stamford, CT, 06902	–	9:10 am	8:10 am	8:00 am
	–	9:50 am	8:20 am	8:10 am
	–	10:50 am	8:30 am	8:20 am
	–	more	more	more



Online: StamfordHealth.org/Covid19Vaccine

Phone: (203) 276-7300 Mon-Fri 9AM-4PM

State of the City: COVID19 Testing Trends

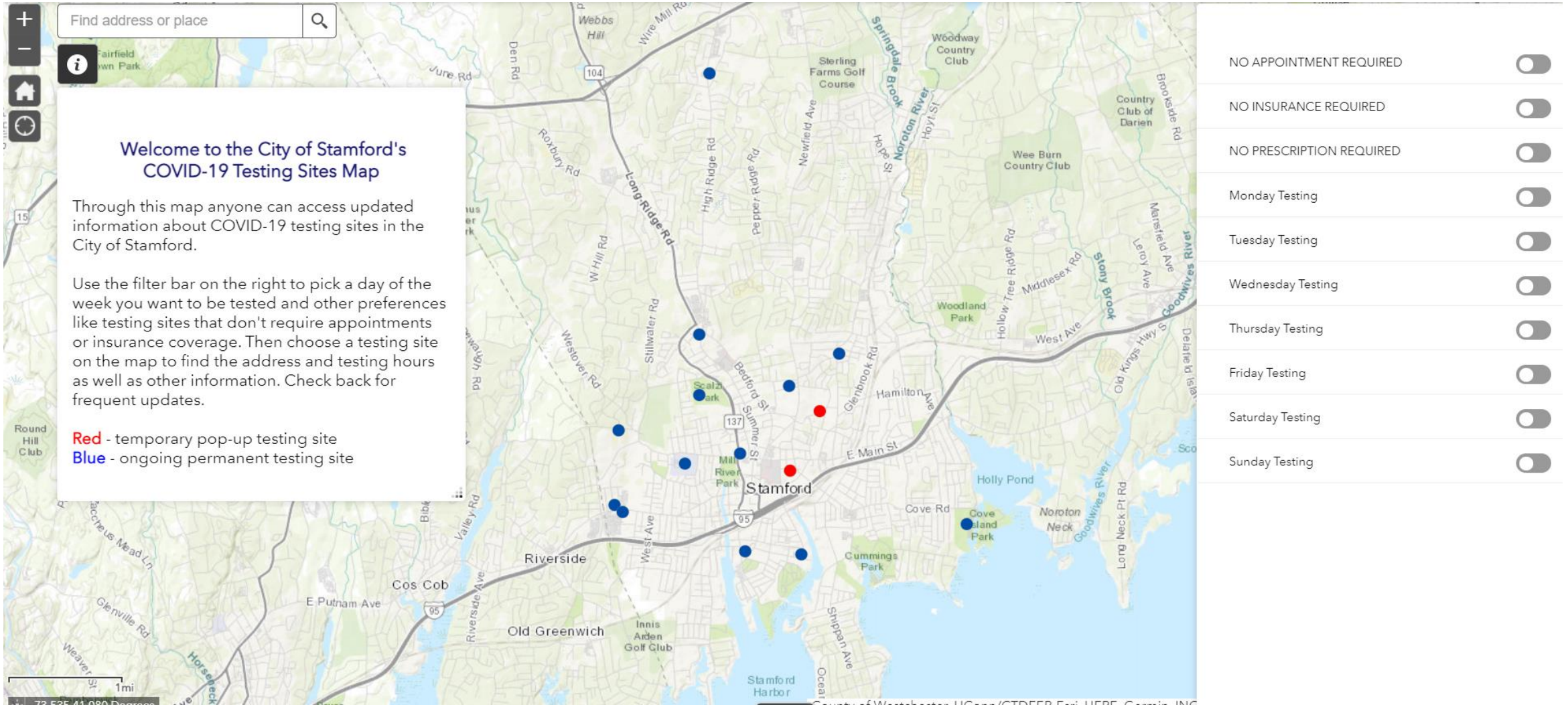


Source: CT.GOV, data through 2/14/21, downloaded 2/15/21

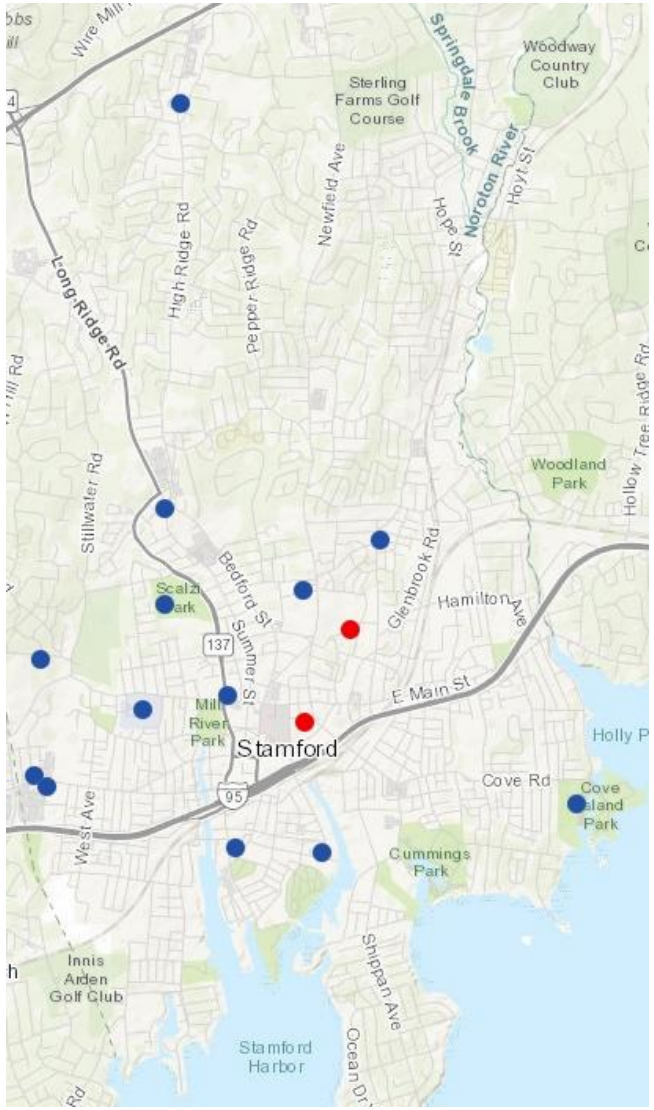
COVID-19 Testing

Click Here to View Our Interactive Map of Testing Sites

www.stamfordct.gov/covid-testing



COVID-19 Testing Update



FREE Test Sites with Quick Throughput and Results

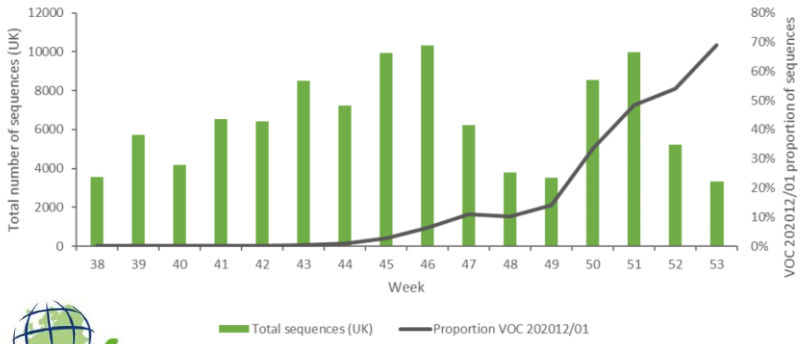
- CIC Health at Dinosaur BBQ Site – 845 Canal Street
  - https://www.cic-health.com/test
  - Walk-in; self administered PCR Test
  - Appointments Required
  - Results in 24-36 hours
  - Monday – Friday 8am-7:45pm
  - Saturday-Sunday 12pm-5pm

- Sema 4 at Stamford High School Hillandale Parking Lot
  - Drive Through
  - Results in 24-48 hours
  - Sunday, 10am-2pm
  - Monday- Friday, 4pm-7pm

Variant mutations may increase COVID rates over the next several months

STAMFORD HEALTH
Healing. Reimagined.

Figure 2. Proportion of UK SARS-CoV-2 sequences classified as VOC 202012/01 per week, and total sequences per week from the UK



ecdc EUROPEAN CENTRE FOR DISEASE PREVENTION AND CONTROL

21 January 2021

STATE OF CONNECTICUT
GOVERNOR NED LAMONT

01/25/2021

Governor Lamont Announces UK Variant of COVID-19 Detected in Four Additional Connecticut Residents, Bringing Total Number of Cases in the State To Eight

(HARTFORD, CT) – Governor Ned Lamont today announced that Connecticut public health officials have confirmed that the COVID-19 variant B.1.1.7, commonly known as the UK variant, has been detected in four additional individuals in the state who recently tested positive for COVID-19. This brings the total number of confirmed cases of the UK variant in Connecticut to eight. The eight individuals, who live in New Haven (2), Oxford (3), and West Haven (3), range in age from 15 to 50.

- Mutations and recombination occur randomly, common among RNA viruses (e.g. influenza)
- Often undetected due to requirement for viral gene sequencing
- Potential issues of infectivity, lethality, immune recognition (vaccine and MAB)
- New strains
  - B117 – UK, EU (now predominating in UK)
  - B1351 – South Africa
  - P.1 variant -- Brazil
- **Very high community spread**
  - **75% more transmissible**
  - **Reinfection documented**
  - Increased cases, hospitalizations, deaths
  - Increased PPE, lab tests, beds
  - Increase need for travel restrictions, public health measures
- **No evidence yet that these are more lethal**
- **Need to accelerate vaccination campaigns**
  - Accelerate vaccine deployment

Projections for US spread of B1.1.7 (UK) strains

The Coming Storm

Genomic epidemiology identifies emergence and rapid transmission of SARS-CoV-2 B.1.1.7 in the United States

Nicole L. Washington[1,*,@], Karthik Gangavarapu[2,*,@], Mark Zeller[2], Alexandre Bolze[1], Elizabeth T. Cirulli[1], Kelly M. Schiabor Barrett[1], Brendan B. Larsen[3], Catelyn Anderson[2], Simon White[1], Tyler Cassens[1], Sharoni Jacobs[1], Geraint Levan[1], Jason Nguyen[1], Jimmy M. Ramirez III[1], Charlotte Rivera-Garcia[1], Efren Sandoval[1], Xueqing Wang[1], David Wong[1], Emily Spencer[2], Refugio Robles-Sikisaka[2], Ezra Kurzban[2], Laura D. Hughes[12], Xianding Deng[4], Candace Wang[4], Venice Servellita[4], Holly Valentine[5], Peter De Hoff[5], Phoebe Seaver[5], Shashank Sathe[5], Kimberly Gietzen[6], Brad Sickler[6], Jay Antico[6], Kelly Hoon[6], Jingtao Liu[6], Aaron Harding[7], Omid Bakhtar[7], Tracy Basler[8], Brett Austin[8], Magnus Isaksson[1], Phillip G. Febbo[6], David Becker[1], Marc Laurent[1], Eric McDonald[8], Gene W. Yeo[3], Rob Knight[5], Louise C. Laurent[5], Eileen de Feo[6], Michael Worobey[3], Charles Chiu[4,9], Marc A. Suchard[10], James T. Lu[1], William Lee[1,#], Kristian G. Andersen[2,11,#,@]

[1]Helix, San Mateo, CA
[2]Department of Immunology and Microbiology, The Scripps Research Institute, La Jolla, CA
[3]Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ
[4]Department of Laboratory Medicine, University of California San Francisco, San Francisco, CA
[5]University of California, San Diego, CA
[6]Illumina, San Diego, CA
[7]Sharp Healthcare, San Diego, CA
[8]San Diego County Health and Human Services Agency, San Diego, CA
[9]Innovative Genomics Institute, Berkeley, CA
[10]Department of Biostatistics, Fielding School of Public Health, and Departments of Biomathematics and Human Genetics, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA
[11]Scripps Research Translational Institute, La Jolla, CA
[12]Department of Integrative, Structural and Computational Biology, The Scripps Research Institute, La Jolla, CA 92037, USA

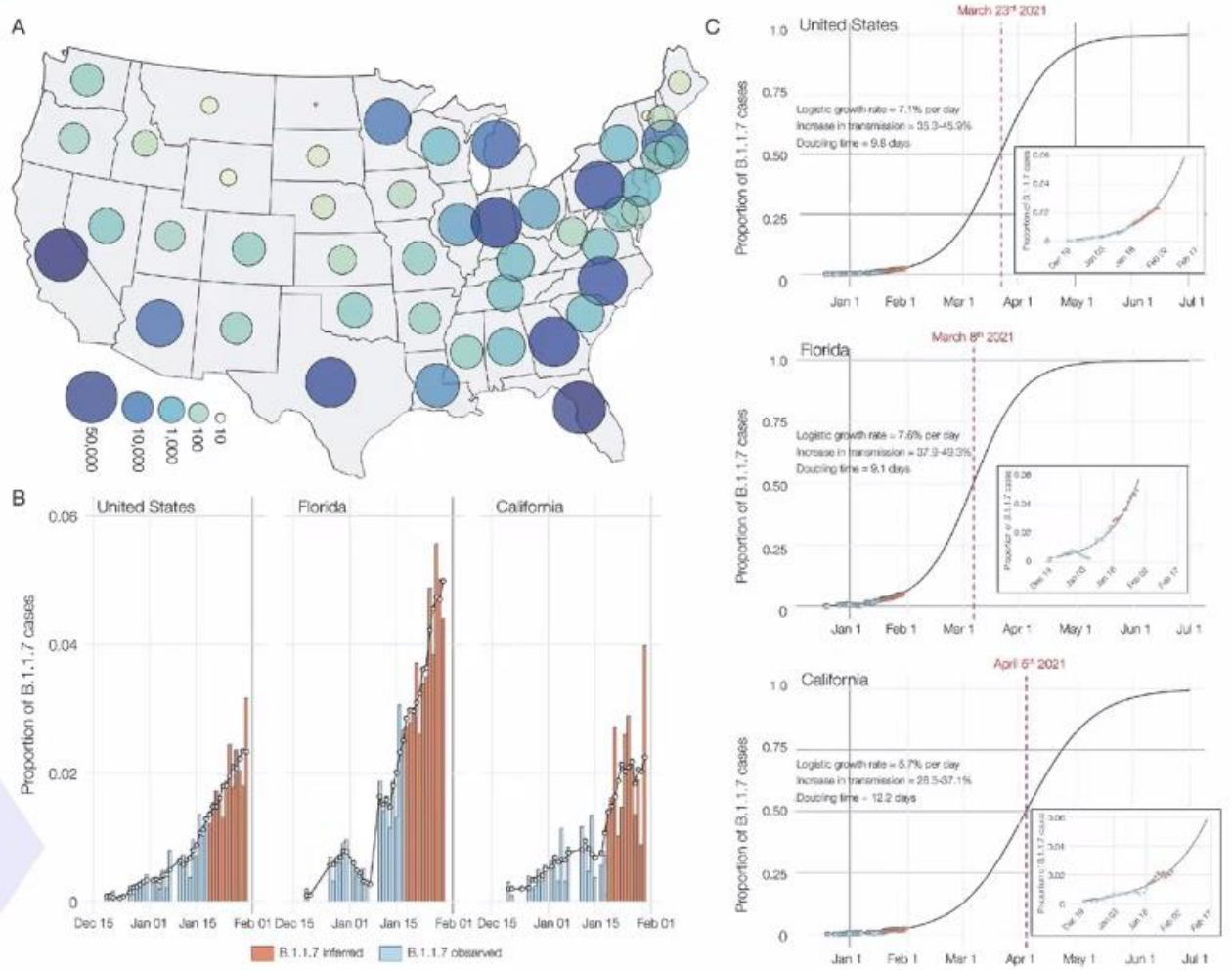


Figure 1. Download figure | Open in new tab

SGTF and B.1.1.7 in SARS-CoV-2 tests at Helix since December 15, 2020.
(A) Map of contiguous states in the USA with each bubble representing the number of positive tests from each state. **(B)** Estimated proportion of B.1.1.7 in total number of positive tests with Cq(N gene) < 27, in the U.S., California and Florida from December 15th, 2020 to January 30th, 2021. The proportion of B.1.1.7 samples was estimated using: (Observed B.1.1.7 sequences/Sequenced SGTF samples) * (Positive tests with SGTF/Total positive tests). Due to the lag in sequencing, the average proportion of B.1.1.7 sequences in sequenced samples with SGTF from the last five days (January 13-18) was used to infer the proportion of B.1.1.7 cases in total positive tests for the January 19-30 time period between. The black line shows the 5-day rolling average of the estimated proportion of B.1.1.7 in total positives. **(C)** Logistic growth curves fit to the rolling average of the estimated proportion of B.1.1.7 in total positives for the U.S., Florida and California. The predicted time when the estimated proportion of B.1.1.7 cases crosses 0.5 is indicated in red.

https://www.medrxiv.org/content/10.1101/2021.02.06.21251159v1.full

Projections for B1.351 (South African) strains

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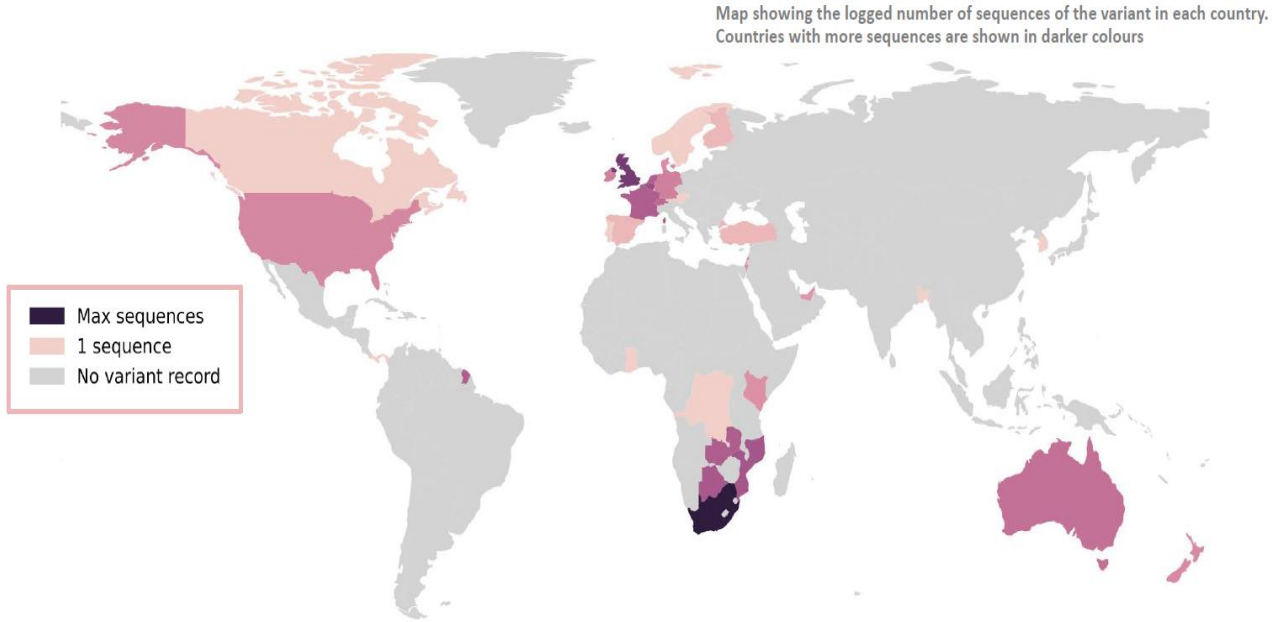
Variant B1.351

AKA "South Africa variant"; "501Y.V2"



- Increasing in frequency
- Multiple mutations
  - N501Y, E484K, K417N
  - receptor binding domain
- Binds more readily to ACE2 receptor; higher viral loads
- More easily transmissable
- Less susceptible to antibodies
  - Monoclonal, vaccine
- Responsible for reinfection

What do we know already about wearing masks?

Masks work to reduce spread of Coronavirus SARS-CoV2 by substantially reducing exposure from the infected wearers (source control) and of uninfected wearers (wearer exposure)

(live demo in lieu of slide)

Do wear a mask that

- Covers your nose and mouth and secure it under your chin.
- Fits snugly against the sides of your face.

How NOT to wear a mask

Around your neck

On your forehead

Under your nose

Only on your nose

On your chin

Dangling from one ear

On your arm

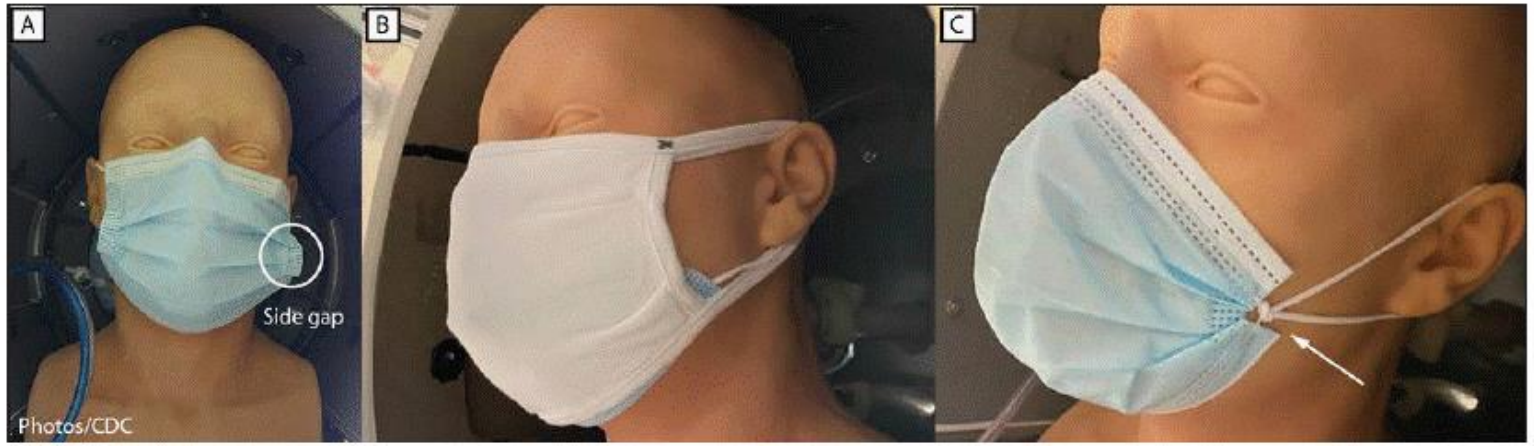
- What do the new studies and CDC updates tell us?
  - Improved fit of masks substantially further improves source control and wearer exposure
    - Using masks with Nose Wires
    - Using Mask Fitters and Braces
    - Knotting and Tucking
  - Layering
    - Cloth masks with multiple layers of fabric
    - “Double Masking” (safely)

Two important ways to make sure your mask works the best it can

1. **Make sure your mask fits snugly against your face.** Gaps can let air with respiratory droplets leak in and out around the edges of the mask

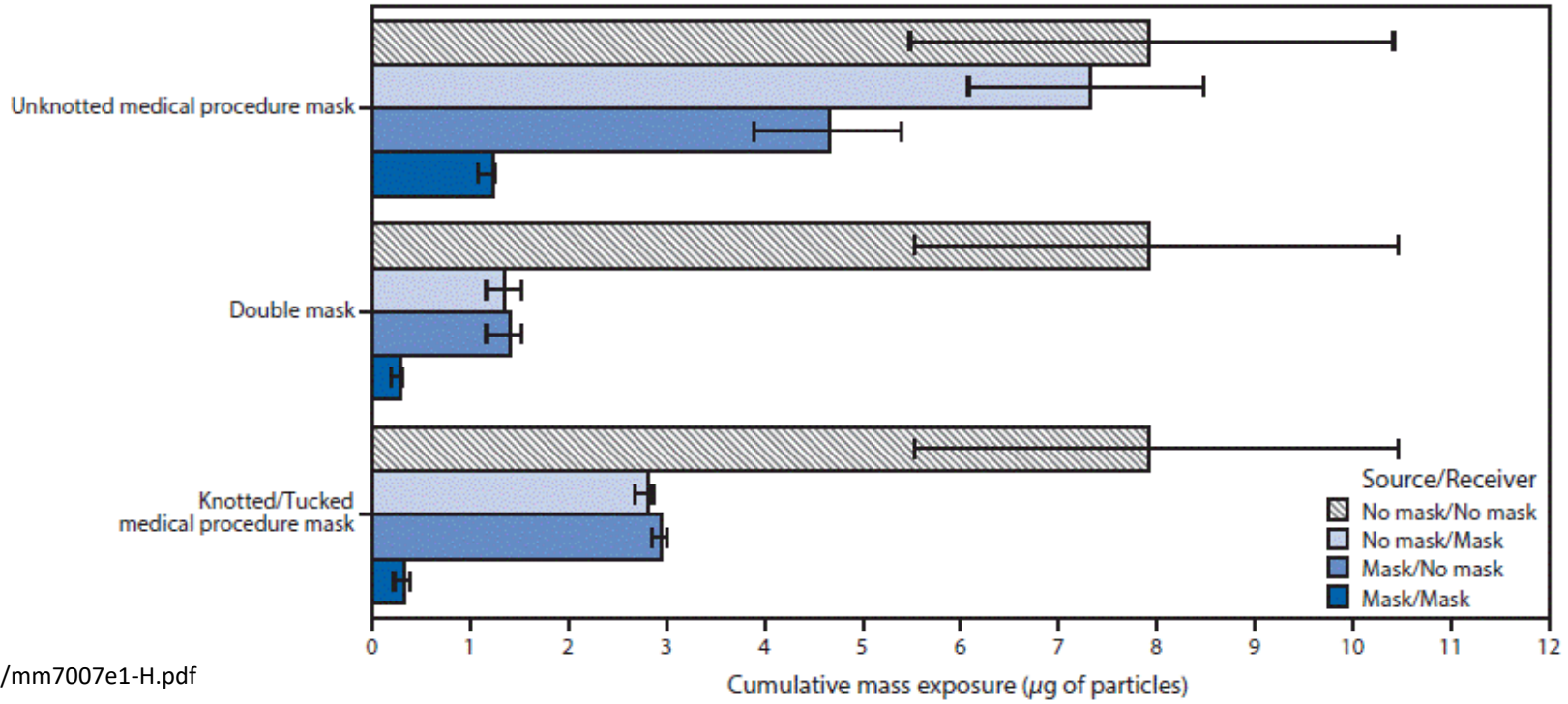
2. **Pick a mask with layers to keep your respiratory droplets in and others’ out.** A mask with layers will stop more respiratory droplets getting inside your mask or escaping from your mask if you are sick.

Masks tested, A, unknotted, B, double mask, and C, knotted/tucked



Mean cumulative exposure for various combination of mask use

1. No one wearing masks had the greatest exposure
2. One person wearing a mask reduced exposure (S > R)
3. Two people wearing masks reduced exposure even more
4. Two people wearing masks with better fit/more layers substantially more reduction in exposure



Source: 2/10/2021; https://www.cdc.gov/mmwr/volumes/70/wr/pdfs/mm7007e1-H.pdf

Do

Choose a mask with a **Nose Wire**

- A nose wire is a metal strip along the top of the mask
- Nose wires prevent air from leaking out of the top of the mask.
- Bend the nose wire over your nose to fit close to your face.

Use a **Mask Fitter or Brace**

- Use a mask fitter or brace over a disposable mask or a cloth mask to prevent air from leaking around the edges of the mask.

Check that it **Fits Snugly** over your nose, mouth, and chin

- Check for gaps by cupping your hands around the outside edges of the mask.
- Make sure no air is flowing from the area near your eyes or from the sides of the mask.
- If the mask has a good fit, you will feel warm air come through the front of the mask and may be able to see the mask material move in and out with each breath.

Do

Add **Layers** of material

2 ways to layer

- Use a cloth mask that has multiple layers of fabric.
- Wear one disposable mask underneath a cloth mask.
  - The second mask should push the edges of the inner mask against your face.

Make sure you can see and breathe easily

Knot and Tuck ear loops of a 3-ply mask

- Knot the ear loops of a 3-ply face mask where they join the edge of the mask
- Fold and tuck the unneeded material under the edges
- For video instructions, see: https://youtu.be/UANi8Cc71A0 .

Use all the mitigating strategies as best you can. The more you use, the lower the risk.

Do NOT

Combine two disposable masks

- Disposable masks are not designed to fit tightly and wearing more than one will not improve fit.

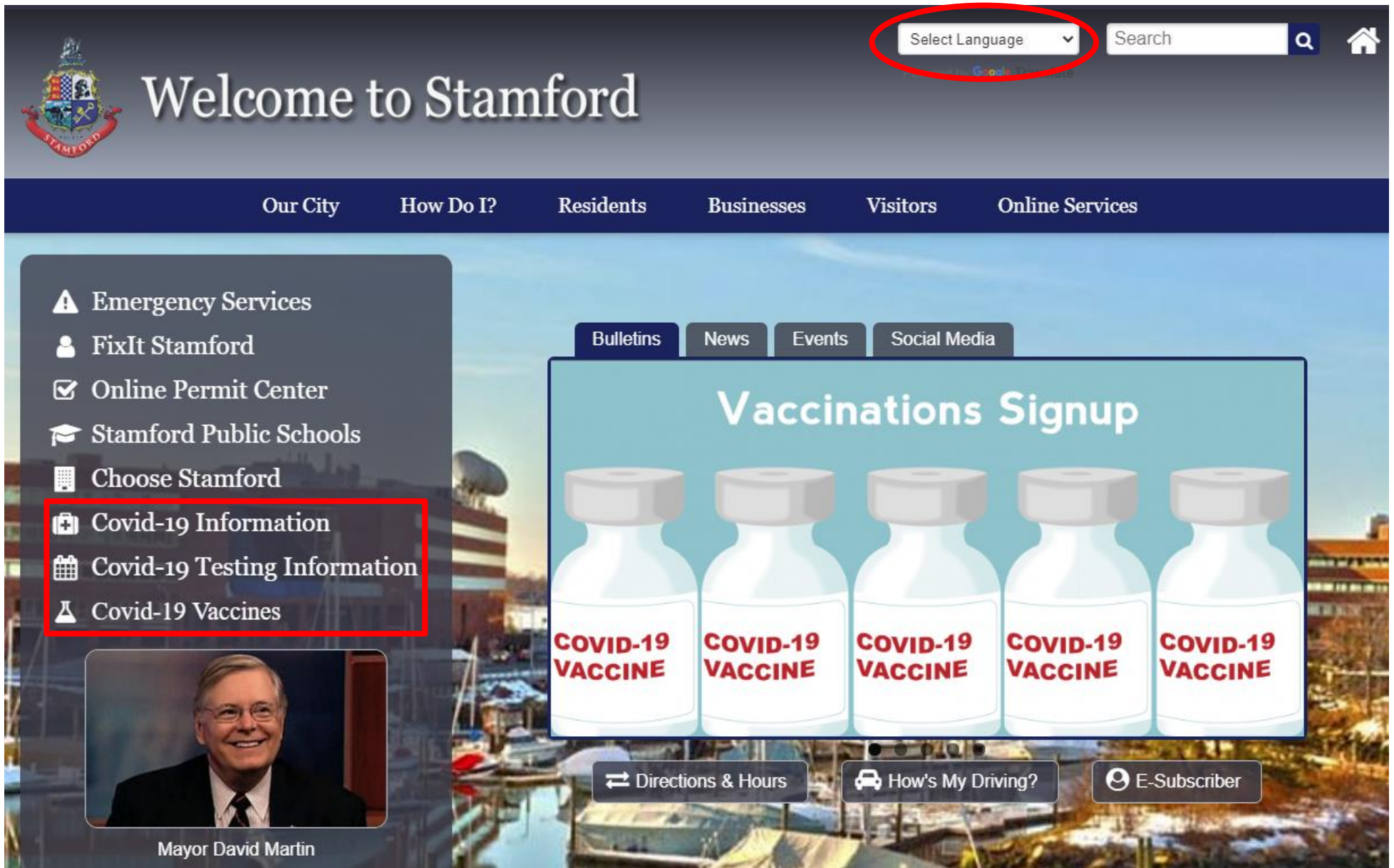
Combine a KN95 mask with any other mask.

- Only use one KN95 mask at a time.

Finally, Do NOT get too creative without *scientific evidence* (live demo)…

All information updated on our website

For All Test Site Locations, Times and Changes: www.stamfordct.gov/covid-testing

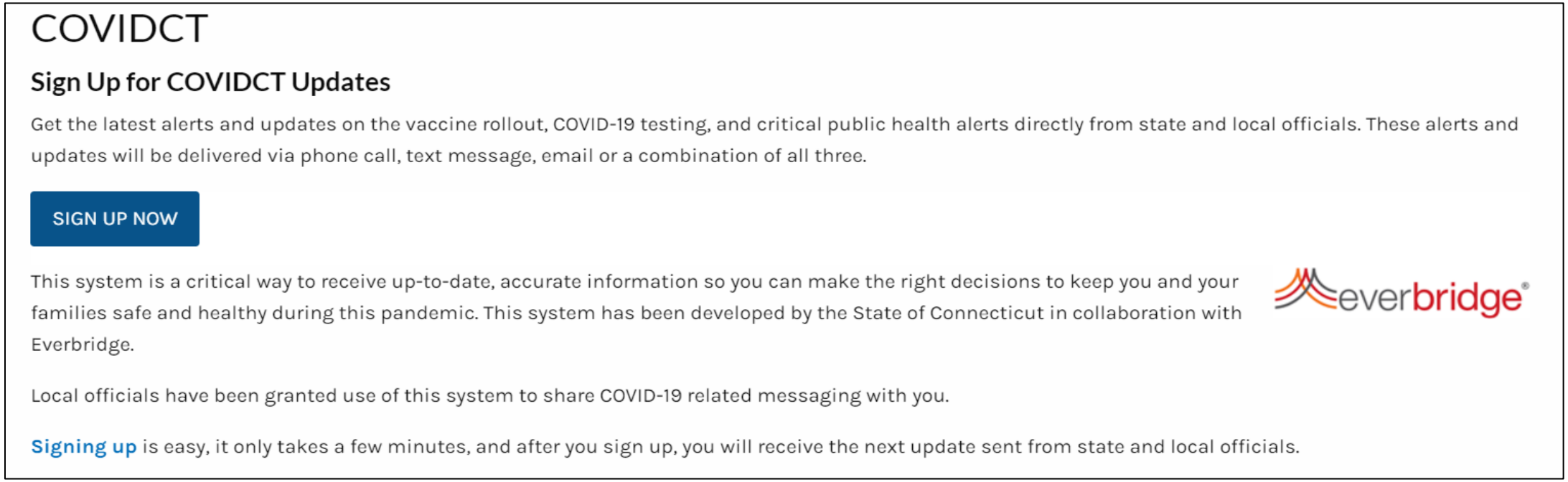


All information available in Spanish (and more)

For All Test Site Locations, Times and Changes: www.stamfordct.gov/covid-testing

Get CT State COVID Updates by Email or Text

- Register at Portal.ct.gov/Coronavirus/COVIDCT



COVIDCT

Sign Up for COVIDCT Updates

Get the latest alerts and updates on the vaccine rollout, COVID-19 testing, and critical public health alerts directly from state and local officials. These alerts and updates will be delivered via phone call, text message, email or a combination of all three.

SIGN UP NOW

This system is a critical way to receive up-to-date, accurate information so you can make the right decisions to keep you and your families safe and healthy during this pandemic. This system has been developed by the State of Connecticut in collaboration with Everbridge.

everbridge

Local officials have been granted use of this system to share COVID-19 related messaging with you.

Signing up is easy, it only takes a few minutes, and after you sign up, you will receive the next update sent from state and local officials.

- Information on:
  - Vaccine eligibility
  - Vaccination sites
  - Test sites
  - And other important updates
- This service alerted residents to the 65+ availability on Monday

COVID Frequently Asked Questions

When can I get vaccinated?

Do I need insurance?

Which form do I fill out?

Will there be a "super site" for vaccinations?

Can I volunteer to help?

Can I get vaccinated with my spouse?

What phase are we in?

Is there transportation to get to a vaccination site?

Which vaccine are you using?

QUESTIONS?

Ask us!

AskMayorMartin@stamfordct.gov

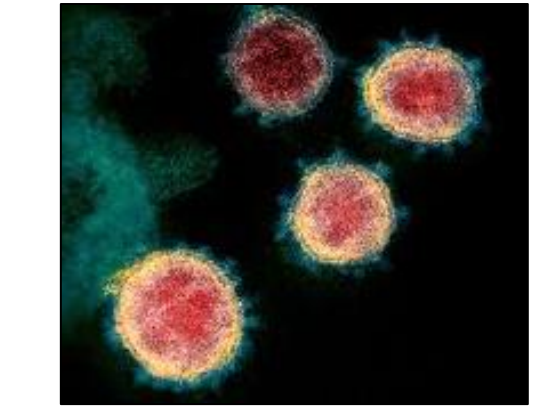
Q&A: AskMayorMartin@stamfordct.gov

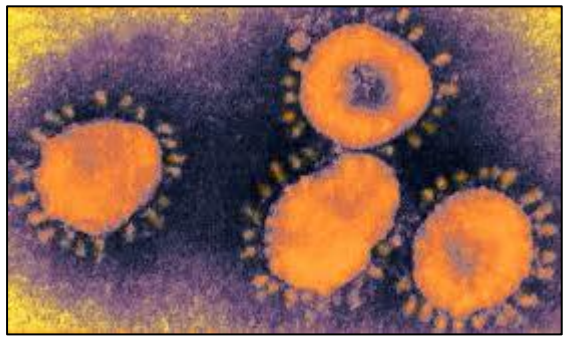
Sarah asks:

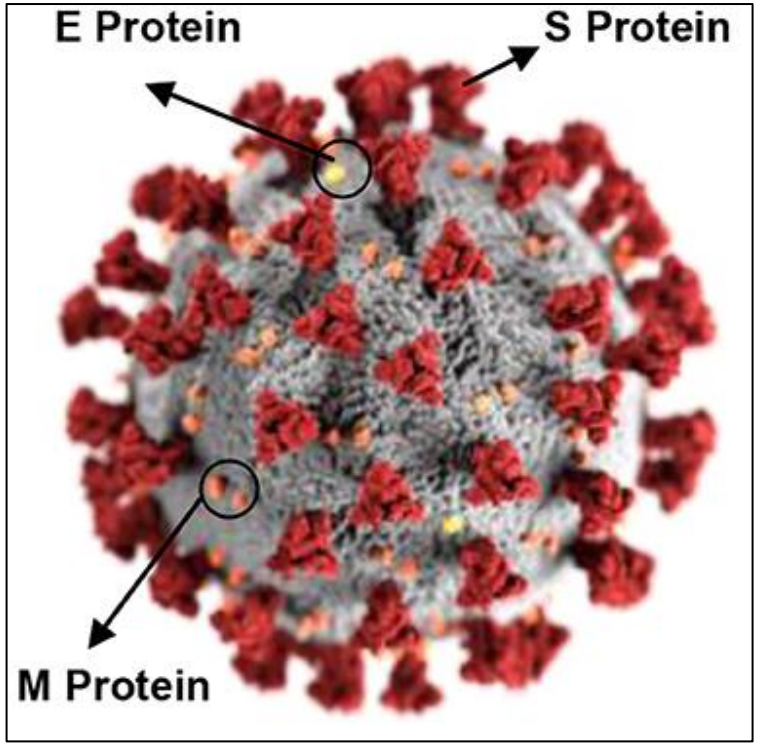
"Once we are fully vaccinated against COVID, how long will we be immune?"

Answer:

Scientists and Medical Doctors are not yet absolutely certain!





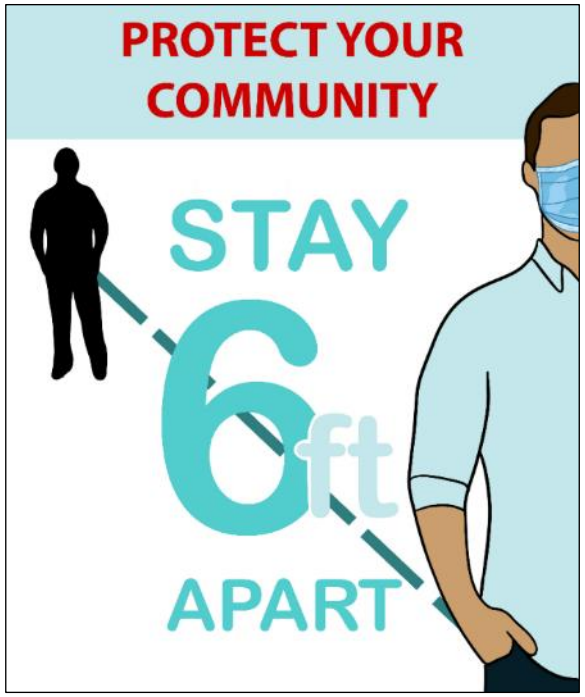


- If there are few minor mutations in the virus spike protein, then the vaccine should help provide immunity for several years . . .
- But significant mutations in the spike protein (variants) may reduce vaccine effectiveness, and may require a new vaccination every year, much like the flu virus.

Vaccines are rolling out . . .

. . .but COVID-19 is still a concern!

Wear Mask Over Nose & Mouth



Social Distancing

Frequent Handwashing

NO LARGE GATHERINGS/PARTIES