



**NYSAC**<sup>®</sup>  
NEW YORK STATE  
ASSOCIATION OF COUNTIES

# Slowing the Spread of COVID-19

## Part 3 of 3: **Diagnostic Testing 101**

May 22, 2020

**Stephen J . Acquario**

Executive Director

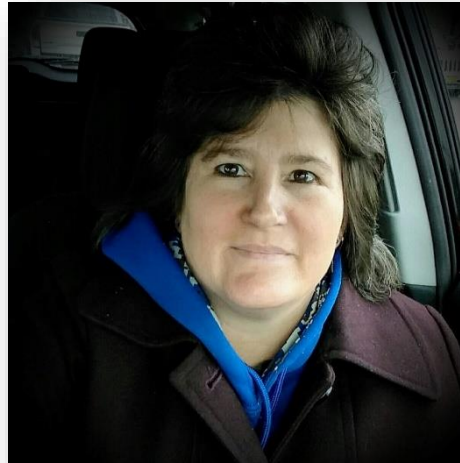
NYSAC



Presenters:



**Gale R. Burstein,  
MD, MPH, FAAP**  
Commissioner of  
Health  
Erie County



**Nancy McGraw,  
LCSW, MBA, MPH**  
Public Health Director  
Sullivan County



**Rebecca A. Kaufman, MS**  
Public Health Director  
Broome County



**Erie County  
Department of  
Health**



**Public Health**  
Prevent. Promote. Protect.

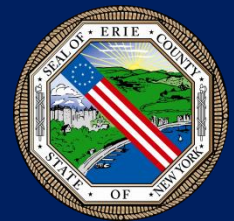
# COVID-19 TESTING IN ERIE COUNTY

Gale R Burstein, MD, MPH, FAAP

May 22, 2020

# Overview

- **Erie County**
  - Population: 919,000
  - Urban, suburban and rural communities
- **Public Health Lab – part of CDC's Laboratory Response Network**



# Diagnostic vs. Antibody Testing

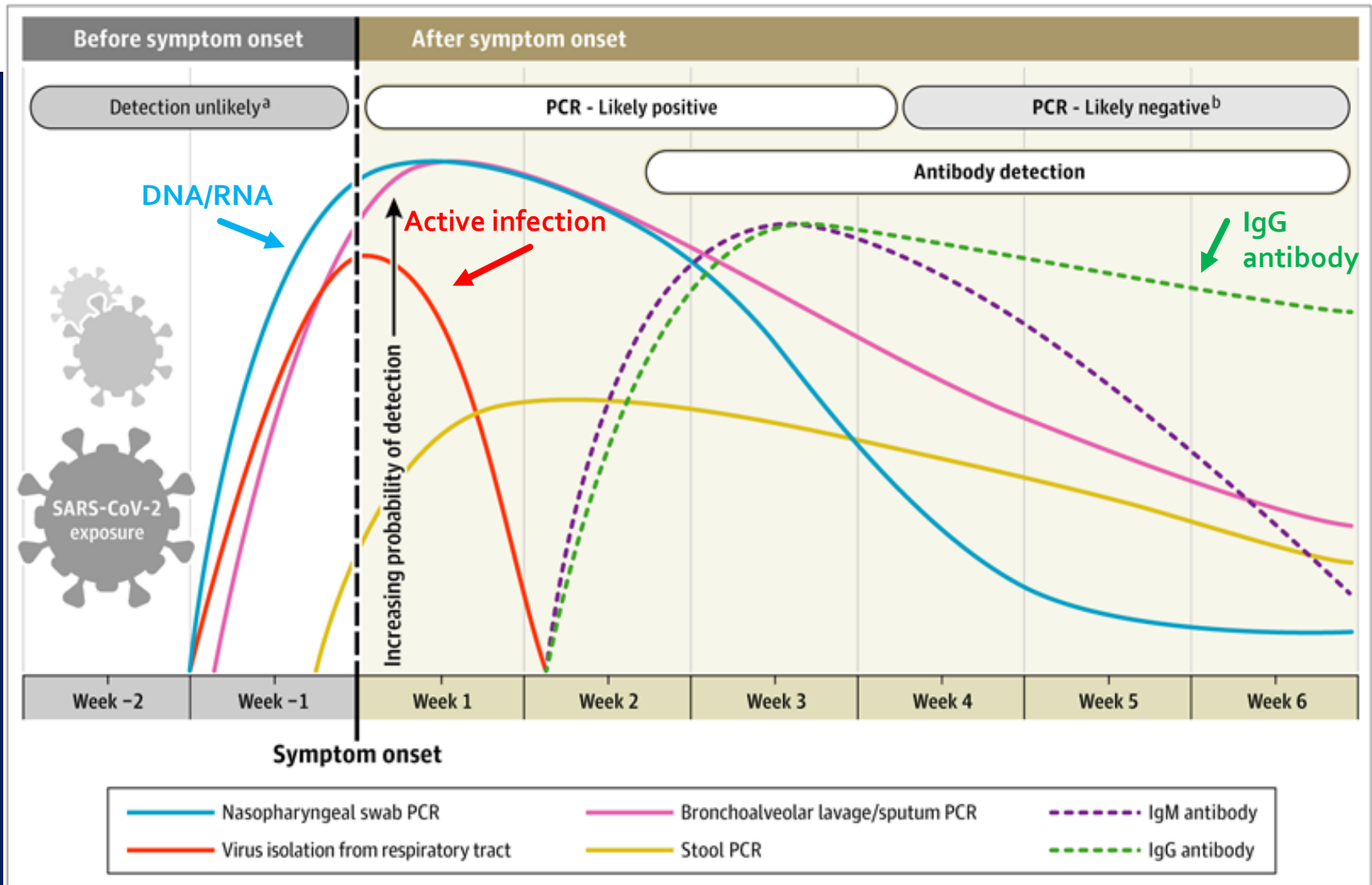
## DIAGNOSTIC TESTING (PCR)

- Positive result indicates active infection *at time of specimen collection*
- Nasal (nose) swab specimen
- Looks for virus DNA/RNA
- Positive result: isolate, investigate, contact tracing

## ANTIBODY TESTING

- Positive result indicates *past exposure to disease*
  - does not mean immunity
- Blood draw from arm
- Should be done at least 3 wks after symptoms onset
- False positive or false negative result possible
  - Make sure test is FDA authorized

# Estimated Variation Over Time in Tests for Detection of SARS-CoV-2 Infection Relative to Symptom Onset



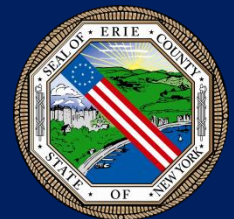
JAMA. Published online May 6, 2020.

<https://jamanetwork.com/journals/jama/fullarticle/2765837>



# Diagnostic Testing

- March 3 – first nasal swab specimens sent to CDC & NYS Wadsworth Lab
- March 9 – EC Public Health Lab able to test
  - Obtained reagents from CDC
  - Tested nasal specimens from Erie County and other counties
  - Early challenges
    - Reagent supply
    - Swab availability





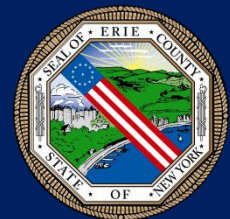
# Diagnostic Testing: Eligibility criteria

- Follow CDC and NYS guidance
- Started with testing symptomatic, travel-related or close contact of confirmed case
- Expanded to include health care and other essential workers
- Expanded to include anyone who feels they have been exposed or is at risk regardless of symptoms



# Diagnostic Testing Capacity

- Scheduling done through ECDOH call center
- 5 specimen collection clinics/week rotating throughout Erie County
- Erie County Public Health lab running ~ 100 specimens/day
  - Working to expand number tests/day with newer tests



# Antibody Testing

- April 2020: Public Health Lab able to perform Abbott Labs SARS-COV-2 IgG Assay
- 100,000 test capacity
- Started with “beta” group of Erie County personnel
  - Scheduling
  - Collecting samples
  - Processing samples at Public Health Lab
  - Mailing results



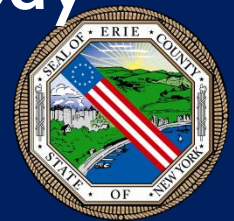
# Antibody Testing Roll Out

- Opened to general public in May 2020
- Strong demand after we opened for appointments
- 3 specimen collection clinics per week
  - rotate locations throughout Erie County
- 500 samples per clinic
- Scheduling through call center
- Results mailed within 7-10 days



# Antibody Testing Availability

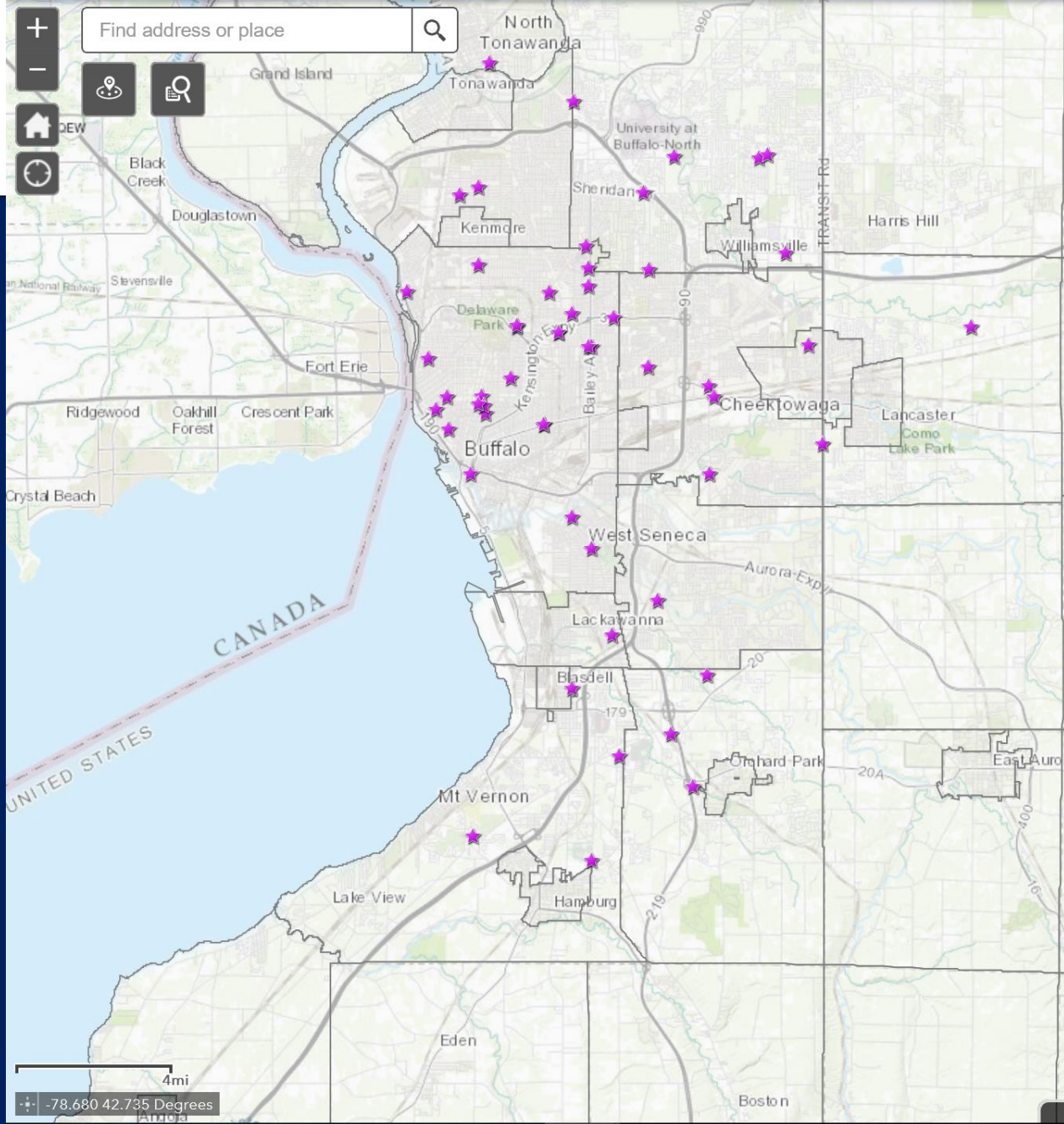
- Erie County antibody testing available to Erie County residents ages 11 and older
- Many other community sites available for antibody test
  - Easy to collect specimen
  - Physicians and other medical providers can order test
  - Urgent care centers, hospital systems, clinical labs can collect blood samples for antibody tests





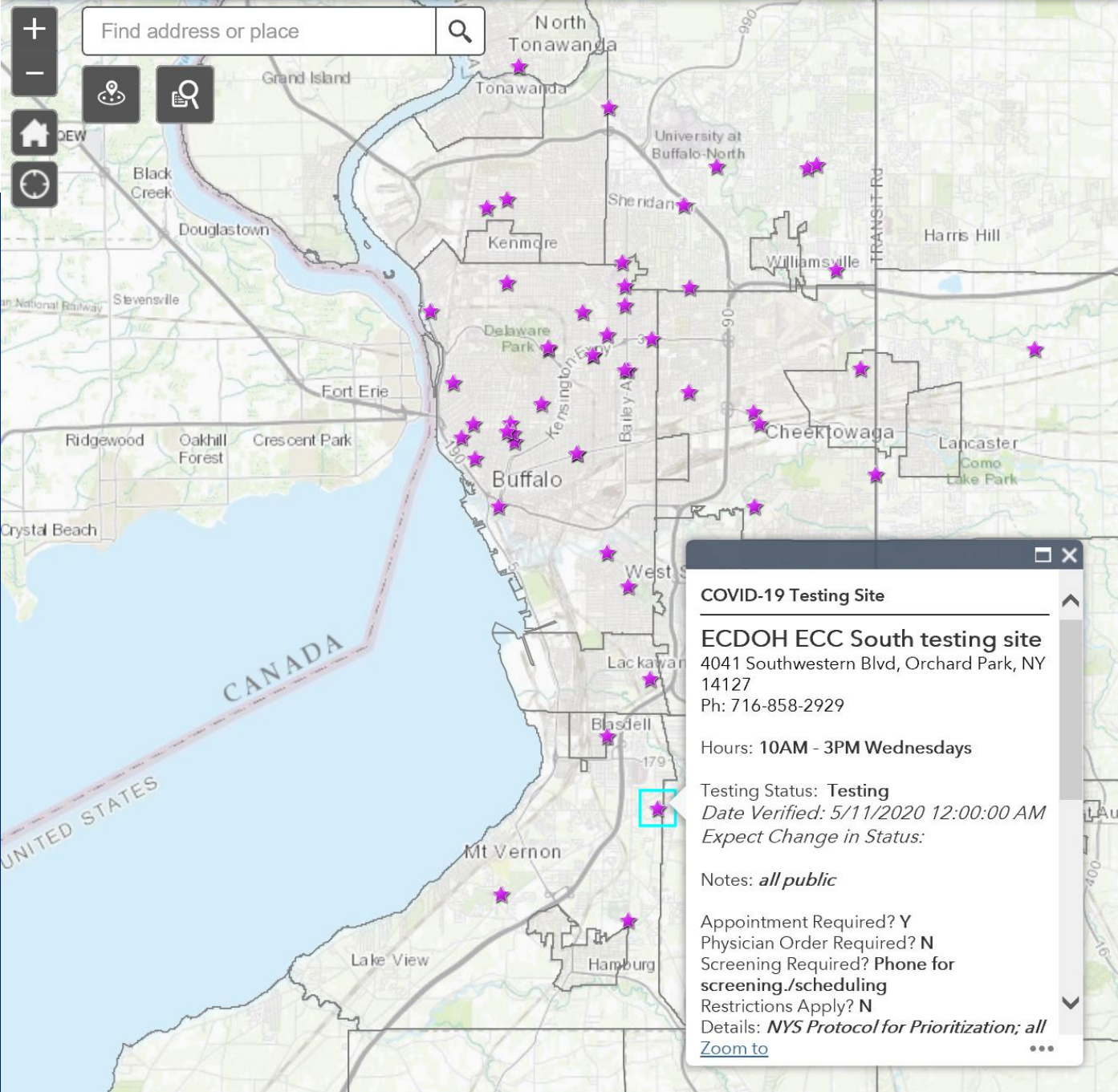
# Erie County COVID-19 Testing Sites

Site Locations Updated 5/19/2020



-78.680 42.735 Degrees





### COVID-19 Testing Site

#### ECCDOH ECC South testing site

4041 Southwestern Blvd, Orchard Park, NY  
14127  
Ph: 716-858-2929

Hours: 10AM - 3PM Wednesdays

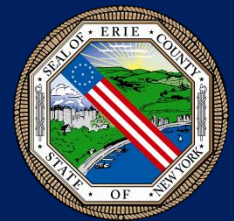
Testing Status: **Testing**  
Date Verified: 5/11/2020 12:00:00 AM  
Expect Change in Status:

Notes: *all public*

Appointment Required? **Y**  
Physician Order Required? **N**  
Screening Required? **Phone for screening./scheduling**  
Restrictions Apply? **N**  
Details: *NYS Protocol for Prioritization; all*  
[Zoom to](#)

# Questions and Answers

- [www.erie.gov/covid19](http://www.erie.gov/covid19)
  - Informational web site
- [www.erie.gov/covidmap](http://www.erie.gov/covidmap)
  - Data visualization: case counts, ZIP code and municipality maps
- [www.erie.gov/covidtestsites](http://www.erie.gov/covidtestsites)
  - Searchable map for diagnostic test locations

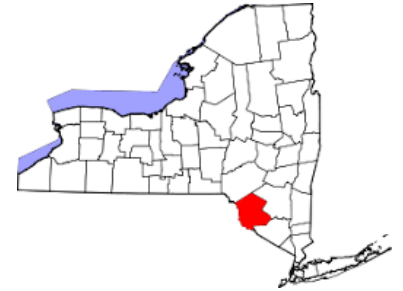




# *Presenter*

**Rebecca Kaufman, MS**  
Public Health Director  
Broome County





**COVID-19 Pandemic Response**  
**March – May 2020**



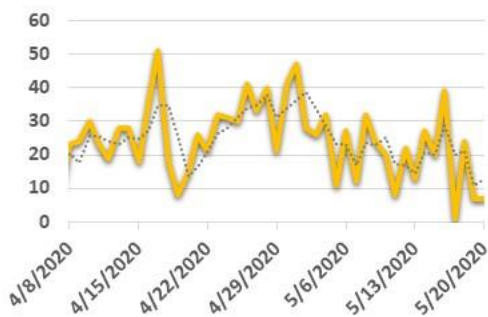


# SULLIVAN COUNTY COVID-19 DASHBOARD

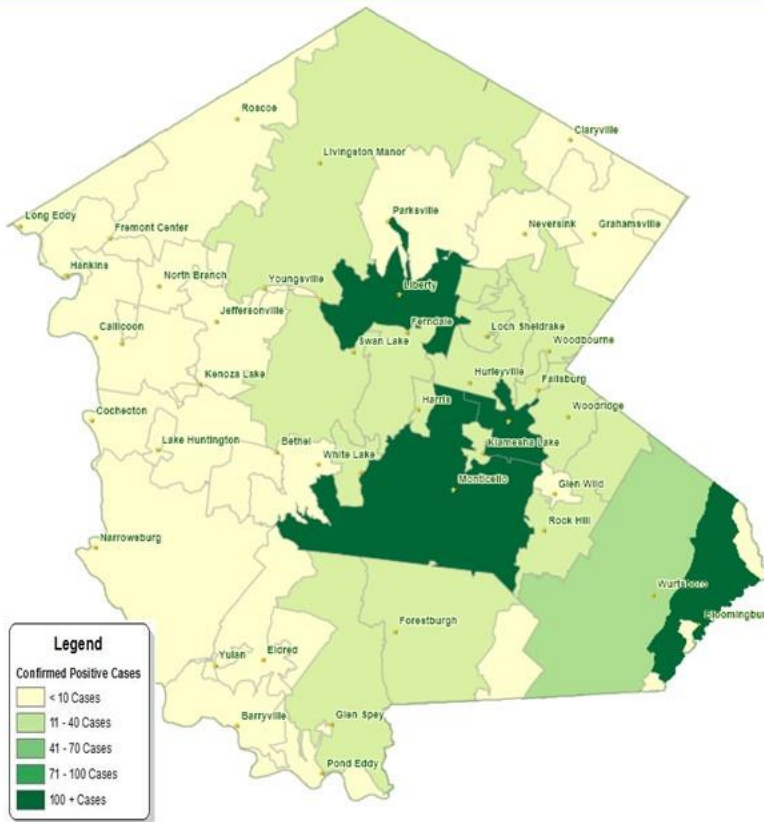
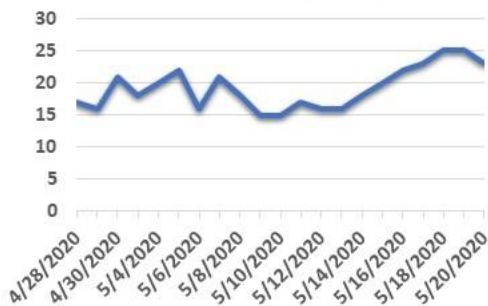


THURSDAY MAY 21, 2020

DAILY INCREASE # OF CONFIRMED POSITIVE CASES



# OF COVID+ PATIENTS HOSPITALIZED (CRMC)



**Legend**

Confirmed Positive Cases

- < 10 Cases
- 11 - 40 Cases
- 41 - 70 Cases
- 71 - 100 Cases
- 100 + Cases

<b>CURRENT ACTIVE CASES</b>	264
<b>TOTAL OFF ISOLATION</b>	2,270
<b>DEATHS</b>	29
<b># IN QUARANTINE</b>	879
<b>TOTAL TESTED</b>	6,153
<b>TOTAL CONFIRMED CASES</b>	1,259

**DISCLAIMER:**  
*This map is provided for illustrative purposes only and should not be relied upon for guidance in decision-making, nor does the County of Sullivan make any warranties or guarantees in relation to its use.*

# Demographics of Sullivan County, NY

Census Estimate July 1, 2019	Sullivan County	NYS	Town of Fallsburg	Town of Liberty	Town of Thompson (includes Monticello)	Town of Mamakating (includes Wurtsboro and Bloomingburg)
Sullivan County	75,432	--	13,023	9,475	14,993	11,430
Hispanic or Latino	16.6%	19.2%	20.9%	22.6%	24.8%	12.7%
Black	9.9%	17.6%	11.2%	10.4%	20.4%	2.5%
White alone, not Hispanic or Latino	71.2%	55.4%	63.8%	63.8%	49.9%	82.0%



# Using GIS mapping to identify hot spots

Unless otherwise specified applied filters will filter all cases and positive cases. Prior to applying a filter please use the layers list in the upper right hand corner of the map to turn the layer of interest on or off.

**PLEASE NOTE:** Infographics are responsive. Zooming will update the isolation, quarantine, and recovered stats. Clicking on slices in pie graphs will filter data accordingly. Make sure your layers are turned on!

#### Filter Reports by Date

#### Filter Reports by Date Range



#### Filter Positive Cases by Age Group

#### Filter Positive Cases by Gender

#### Filter Reports by Town

**Total Reports**  
**775**  
Entered

Last update: a few seconds ago

**Total Positive**  
**245**  
Reports

Last update: 5 minutes ago

**Currently**  
**36**  
Isolated

Last update: a few seconds ago

**Currently**  
**112**  
Quarantined

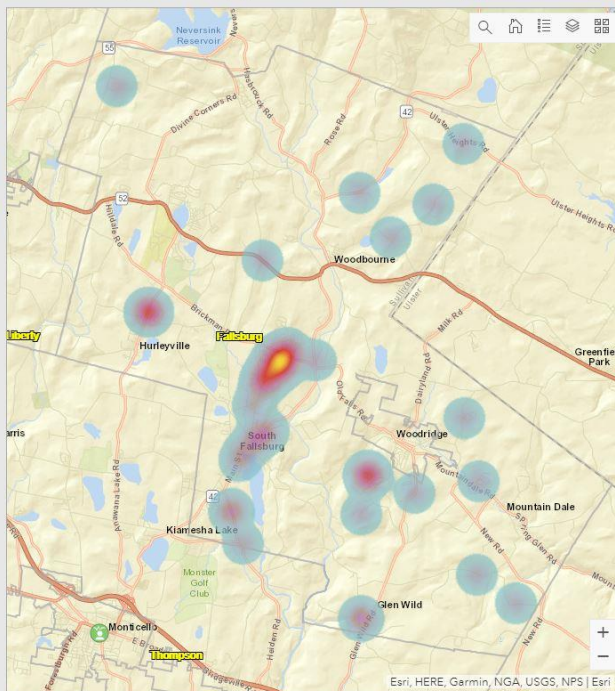
Last update: a few seconds ago

**Recovered &**  
**19**  
Out of Quarantine

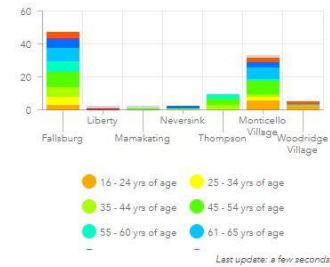
Last update: a few seconds ago

**Patient**  
**2**  
Deaths

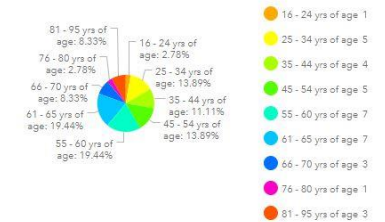
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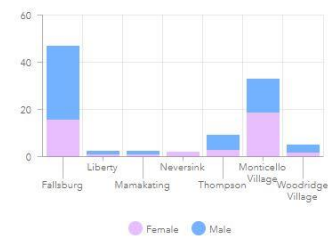
#### Positive Cases by Town and Age Group



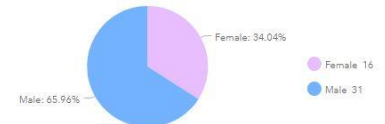
#### Positive Cases by Age Group



#### Positive Cases by Town and Gender



#### Cases by Gender



# Agricultural and Light Manufacturing Plants

Plant	Est. # Employees	% COVID positive as of 5/13	% positive workforce
1	140	9	9%
2	120	18	15%
3	130	16	12.3%
4	321	50	15.6%
5	480	26	5.4%
6	80	7	8.75%
7	50	2	4%
2 other plants	unknown	9	unknown
Totals	At least 1,321	137	About 10 %









**Sullivan County Real Property Tax Services**  
 100 North Street, Monticello, NY 12701 - (845) 807-0221 - Fax: (845) 807-0232  
 Aerial photos were taken Spring 2016

1 inch = 400 feet  
 Date: 4/20/2020  
 Technician: *Eric Knapp*

DISCLAIMER: SULLIVAN COUNTY MAKES NO REPRESENTATIONS AS TO THE ACCURACY OF THE INFORMATION IN THE MAPPING DATA. SULLIVAN COUNTY SPECIFICALLY PROVIDES THIS INFORMATION AS IS. SULLIVAN COUNTY EXPRESSLY DISCLAIMS RESPONSIBILITY FOR DAMAGES OR LIABILITY WHATSOEVER THAT MAY ARISE FROM THE USE OF THIS MAP.



# Weekly COVID-19 Testing Sites

South Fallsburg, Liberty, Woodridge



## Challenges in COVID-19 testing Latino workers in manufacturing and food processing plants

- Language barriers
- Mistrust of government interventions
- Lack of understanding of disease transmission
- Crowded living and working conditions
- Poverty
- Limited access to health care
- Uninsured
- Lack of transportation
- Fear of job loss and retaliation

# Public Health Interventions

- Partnerships with Latino community advocates
- Increase translators in community
- Outreach and Education in Spanish, door to door, social media, zoom meetings, phone calls
- Testing clinics targeted to workplaces and communities
- Distribution of masks
- Enforcement and education with employers
- Notification to USDA and NYS Ag & Markets for site inspections
- Guidance to essential businesses for cleaning, monitoring, work exclusion
- Coordination with emergency community assistance center to distribute food, medicine and cleaning supplies to families on isolation & quarantine
- Assistance from NYSDOH for data analysis and consultation

# Prevent. Promote. Protect.



Contact Information: Sullivan County Public Health Services  
50 Community Lane, Liberty, NY 12754 / (845) 292-5910  
Nancy McGraw, LCSW, MBA, MPH, Public Health Director  
[www.sullivan.ny.us](http://www.sullivan.ny.us) [nancy.mcgraw@co.sullivan.ny.us](mailto:nancy.mcgraw@co.sullivan.ny.us)





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Q & A

Please contact Alex LaMonte at  
[alamonte@nysac.org](mailto:alamonte@nysac.org) with any questions.

