

# Administrative Leadership Meeting

Randy Woodson

Chancellor

Tuesday, September 14, 2021

## Upcoming ALMs

Nov. 9, 2021	North and Central Campus Electrical Distribution System Upgrade	Titmus
Jan. 11, 2022	TBD	Titmus

# Physical Master Plan

## Reedy Creek

702 Acres

## West Precinct

501 Acres

## Central Precinct

303 Acres

## North Precinct

95 Acres

## South Precinct

122 Acres

## Centennial Precinct

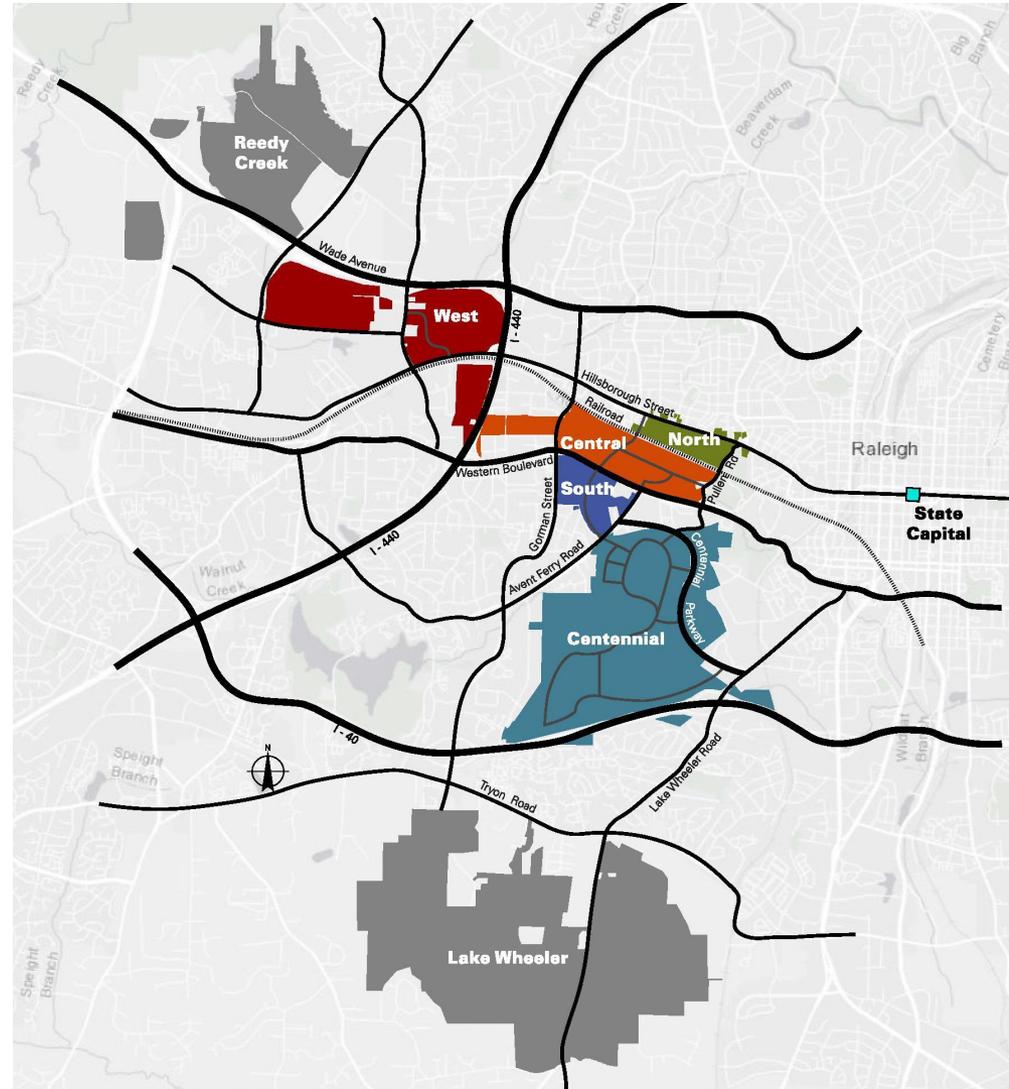
1,116 Acres

## Lake Wheeler

1,989 Acres

## SCHEDULE

- Spring 2021 SmithGroup hired
- Sept. 13-17, 2021 Campus Kick-off
- December 2022 Completion



# Physical Master Plan

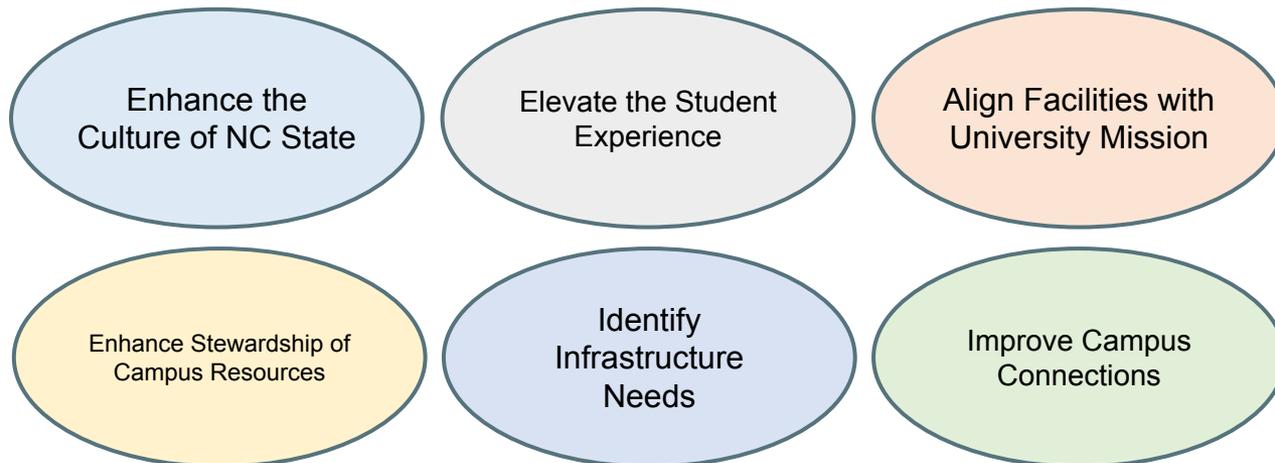
## TASK FORCES

### CHARGE:

Provide specialized and technical expertise to the planning team during the duration of the master planning process.

### THEMES

- Task forces are organized by overall master planning themes
- Members are mixed from different colleges and departments
- Provides transparency across precincts
- Members can gain a better understanding of the whole picture



# Rankings of Note



- *Forbes* – 4<sup>th</sup> best employer in North Carolina
- *Washington Monthly* – Top 30 National University



**COVID-19 Testing and Vaccination Programming**

Dr. Julie Casani, Dr. Amy Orders

# Agenda

Fall COVID-19 Operations

COVID-19 Surveillance Testing

PackVax Clinic and Vaccinations

Campus Programming and Contact Tracing

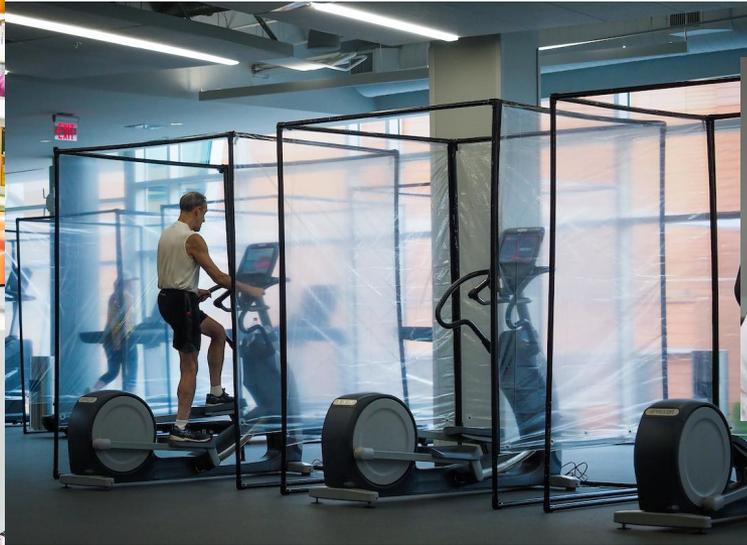
Communications



Our sincerest THANK YOU for the partnerships

# COVID Operations

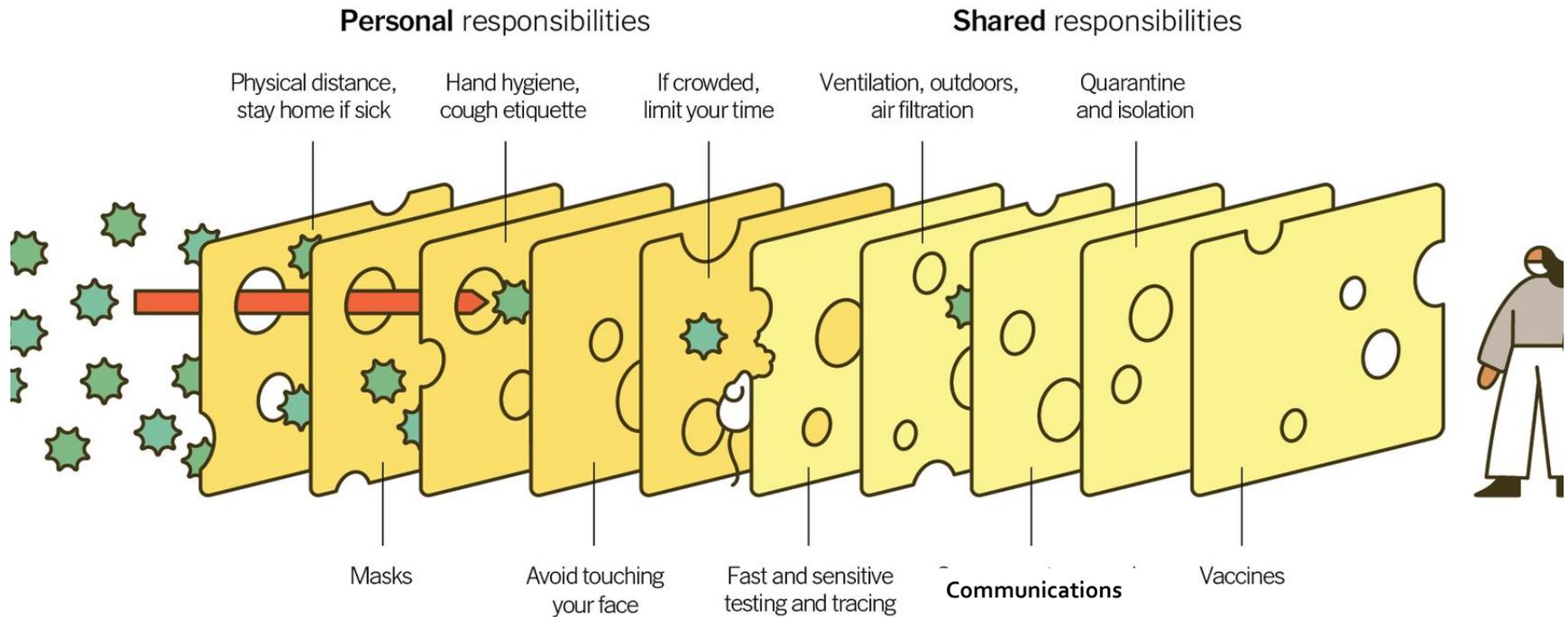
# Evolution of COVID Operations



# Campus evolution with COVID

## Multiple Layers Improve Success

The Swiss Cheese Respiratory Pandemic Defense recognizes that no single intervention is perfect at preventing the spread of the coronavirus. Each intervention (layer) has holes.

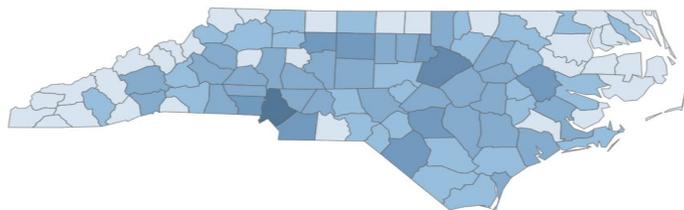


# NC COVID: Then and Now

Fall 2020

Spring 2021

County Map by Cases (Molecular (PCR) and Antigen)  
(Click to highlight map, unclick to revert map)



Map Credit: NCDHHS

- 27-700
- 701-1800
- 1801-5000
- 5001-12000
- 12001-21015
- 21015+

Select Geography

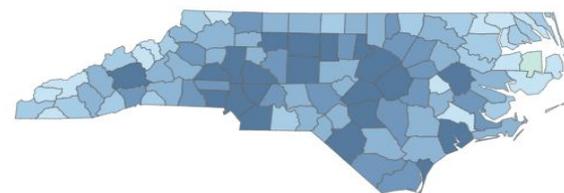
- County
- ZIP Code

Search for County

Select Metric

- Cases
- Cases per 10,000 Residents

County Map by Cases (Molecular (PCR) and Antigen)  
(Click to highlight map, unclick to revert map)



- Null
- 10-50
- 51-100
- 101-250
- 251-500
- 501+

Select Geography

- County
- ZIP Code

Date Range

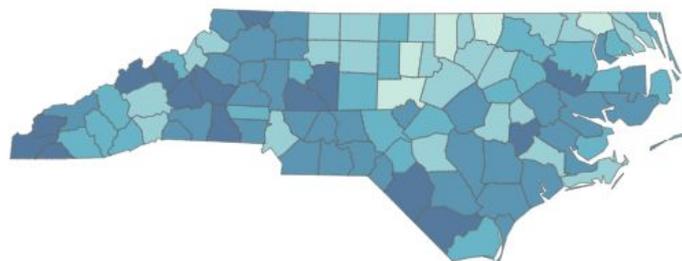
Search for County

Select Metric

- Cases
- Cases per 10,000 Residents
- Cases per 100,000 Residents

County Map by Cases per 100,000 Residents (Molecular (PCR) and Antigen)

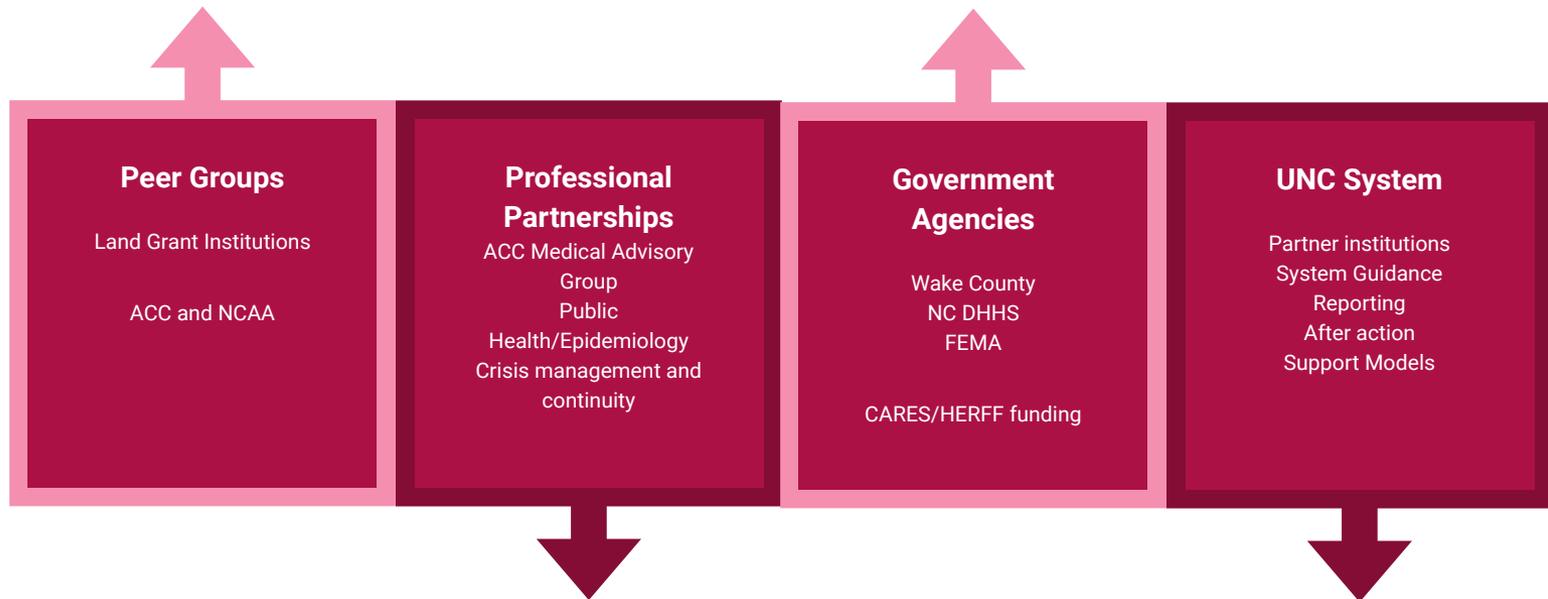
(Click to highlight map, unclick to revert map)



- 1-625
- 626-785
- 786-950
- 951-1310
- 1311+

Fall 2021

# Peer Communications, Professional Partnerships, System Support Teams



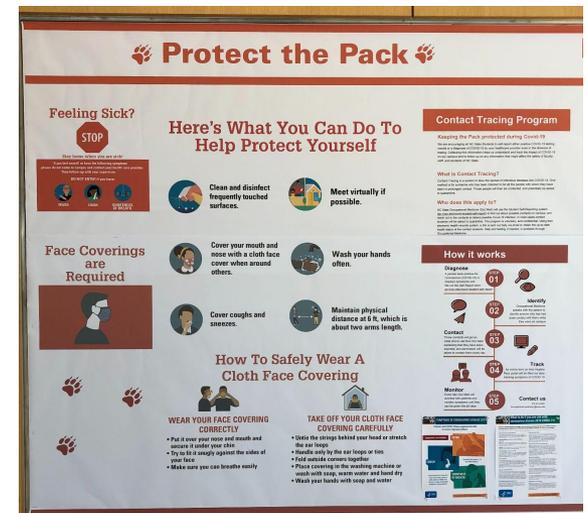
# Operational Considerations for Campus Programming

## What's Changed?

- CDC Guidance and Institutions of Higher Education recommendations
- Face coverings are highly effective
- Availability and access to vaccine, efficacy of vaccine
- Building reviews and ventilation filtration increase
- World Health Organization, Department of State and CDC guidance for travel
- Proactive, widespread testing - responsiveness of community
- Testing exemption process
- Surveillance testing communications and compliance programming

## What's the impact?

- Engineering controls
- Personal masking
- Personal responsibility shift
- Behavior modeling



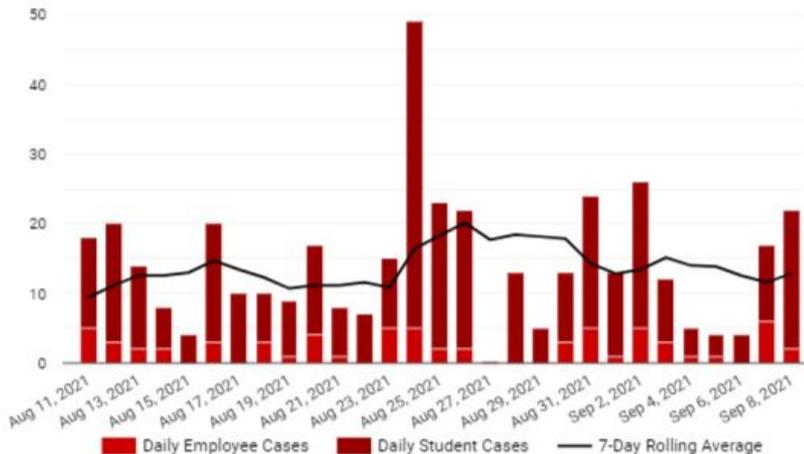
## NC STATE COVID-19 Dashboard

### Positive Cases

From Campus Testing and Self-Reports

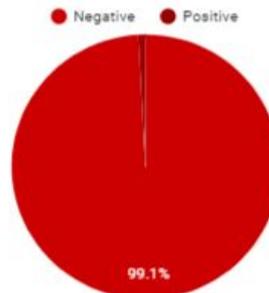
	Daily New Cases 9/8/2021	Active Cases Since 8/30/2021	Total Cases Last 30 Days	Fall '21 Cases Since 8/1/2021
Employees	2	27	70	88
Students	20	113	361	390
<b>Total</b>	<b>22</b>	<b>140</b>	<b>431</b>	<b>478</b>

### Daily Positive Cases



### Fall '21 Campus Testing

Since 8/1/2021



Mobile View

View Annotations

Employee Tests	7,725
Student Tests	27,250
<b>Total Tests</b>	<b>34,975</b>
<b>Total Positives</b>	<b>307</b>

### Isolation and Quarantine

As of 9/8/2021

	Students		Employees
	On Campus	Off Campus	
Isolation	14	158	26
Quarantine	3	486	19
<b>Total</b>	<b>17</b>	<b>644</b>	<b>45</b>

# COVID Operations



Well checks, supplies, emotional/physical support

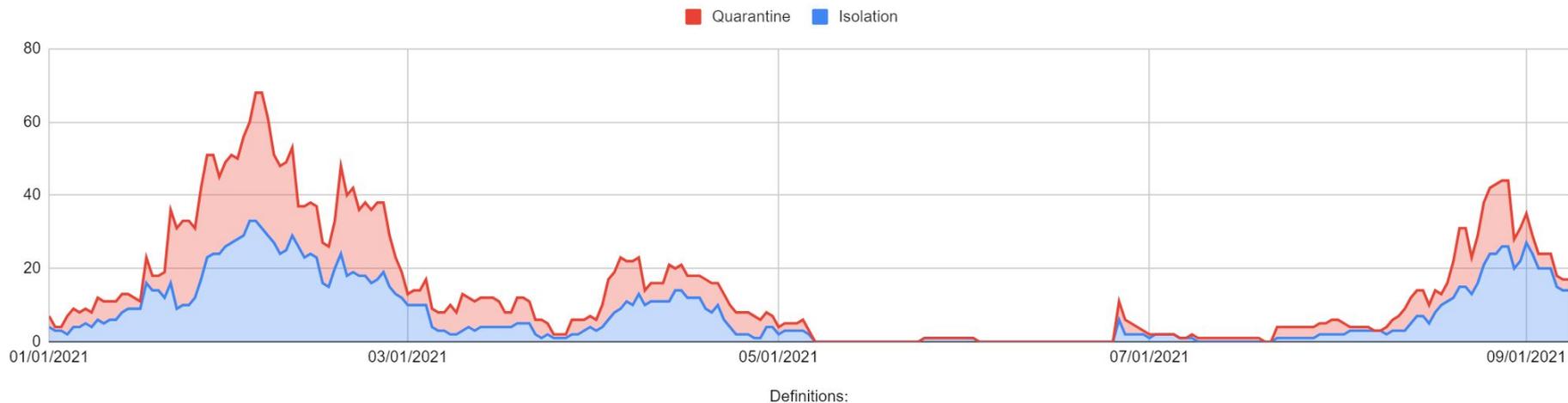
Wellness kits, snack bags, meals, dietary assistance

On Campus - Housing, linens, supplies, IT  
Off Campus - Well check, support models

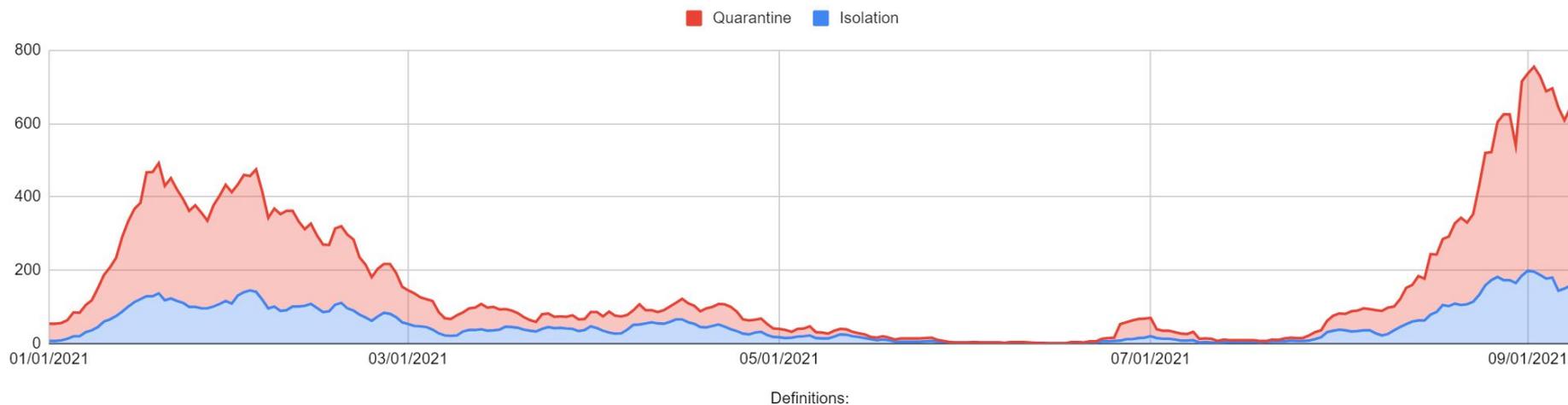
It begins here.

# Total Student Isolation and Quarantine

Total Student Isolations/Quarantine - On Campus

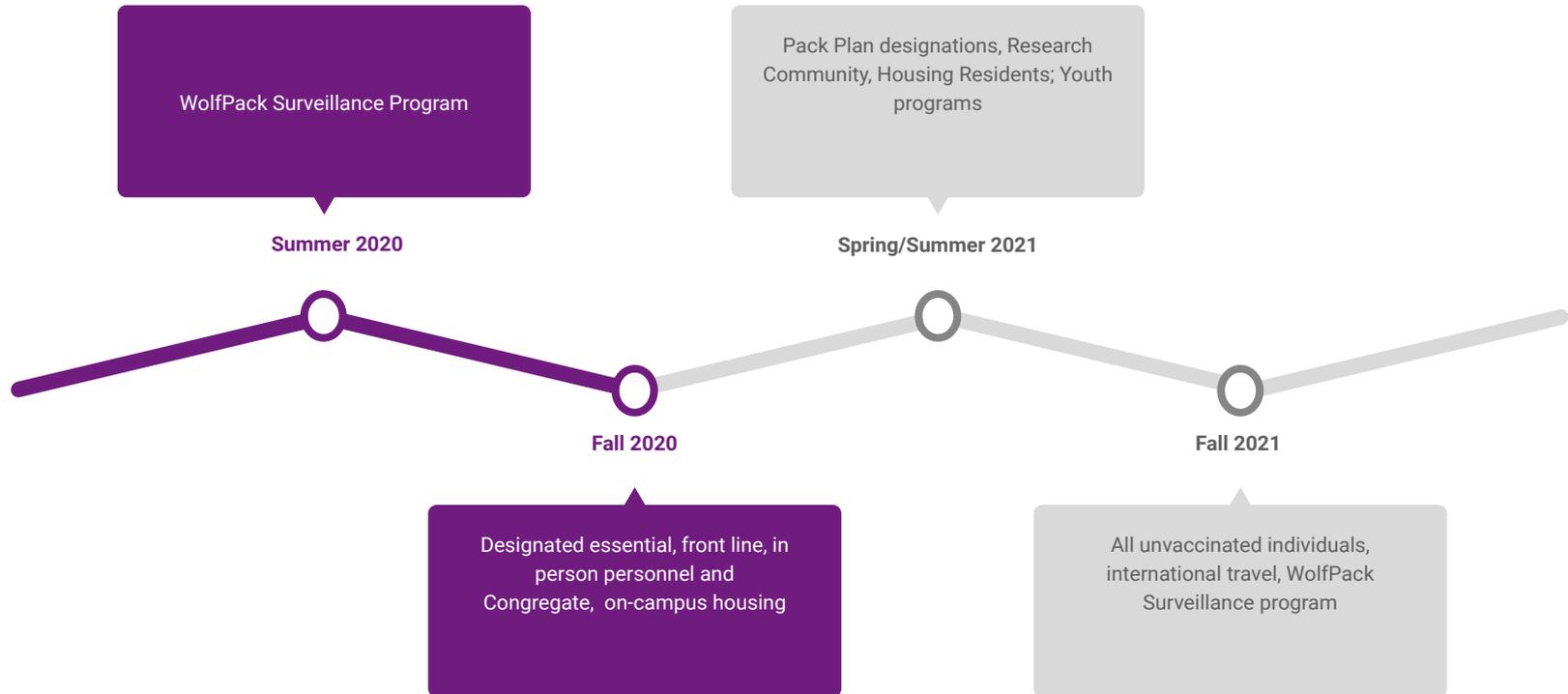


Total Student Isolations/Quarantine - Off Campus



# COVID Testing - by the numbers

# COVID-19 Testing Evolution



# Testing Metrics

Surveillance testing by week while processing vaccine records				
8/9/2021	8/16/2021	8/23/2021	8/30/2021	9/6/2021
3,957	4,568	8,791	10,180	7,945

Testing includes on and off campus surveillance results. The total testing statistics includes elective testing, testing for travel requirements as well as required surveillance testing.

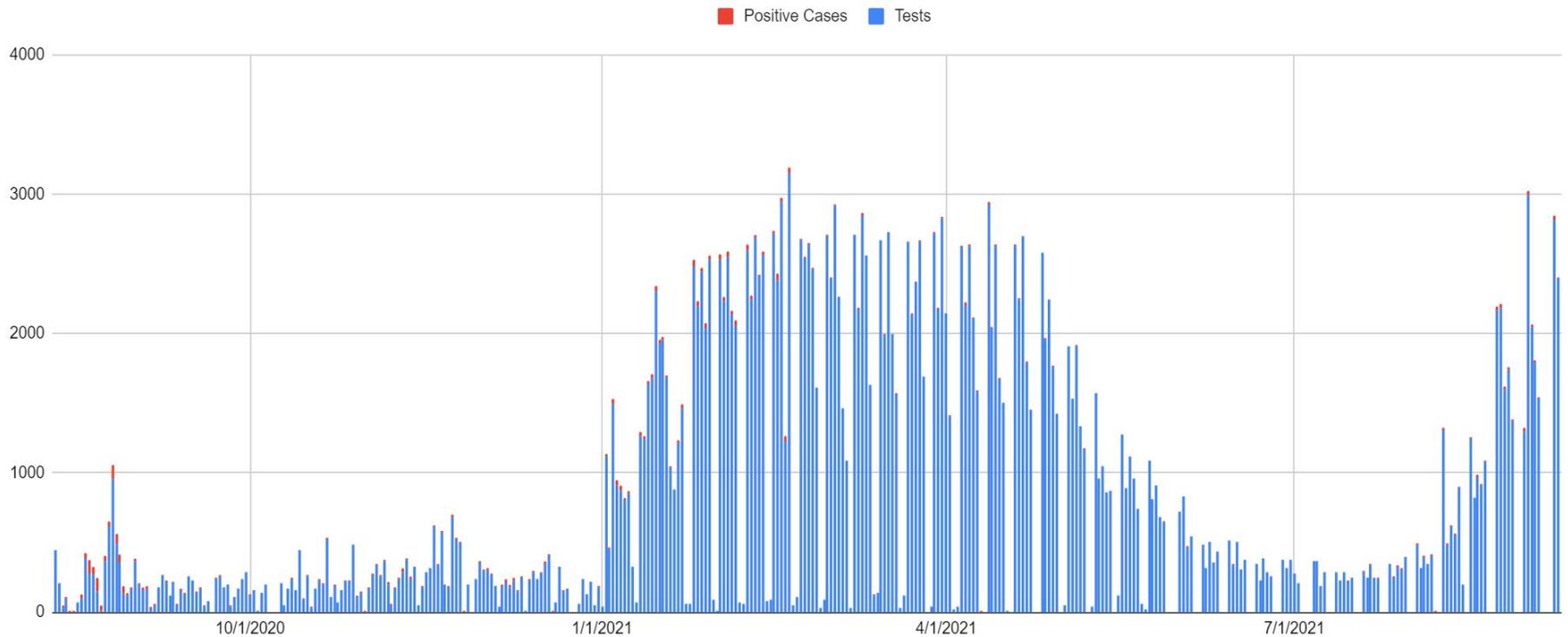
# COVID 19 Testing

- 5 testing locations, geographically situated for access.
- Weekday testing, with hours that meet the predictive models.
- Scaled modeling with IES informed testing programming.
- Test processing via WolfTracs lab on CVM Biomedical Campus.
- PCR testing with less than 24 hour processing time.
- Testing exception process continues.

**What does the data say?**

# Testing: Academic Year '20-'21

Total COVID Testing and Positive Cases

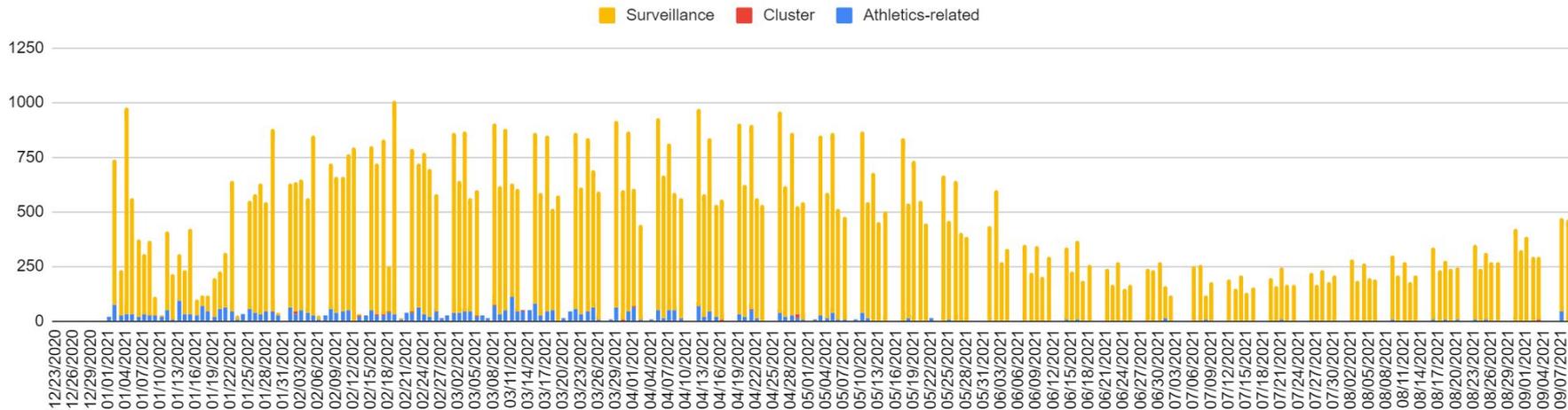


# Employee Cases and Testing

Employee Cases

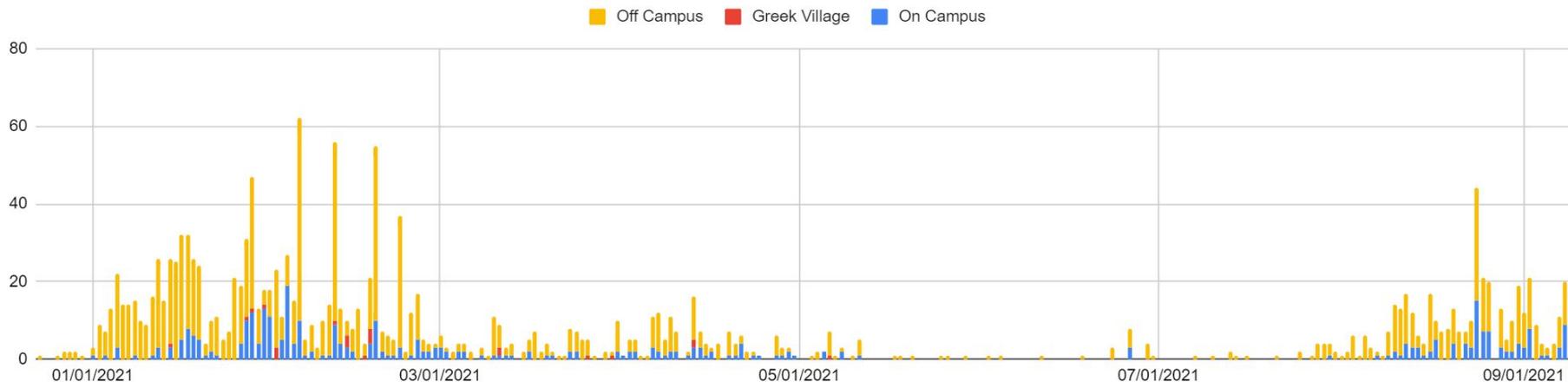


Employee Testing

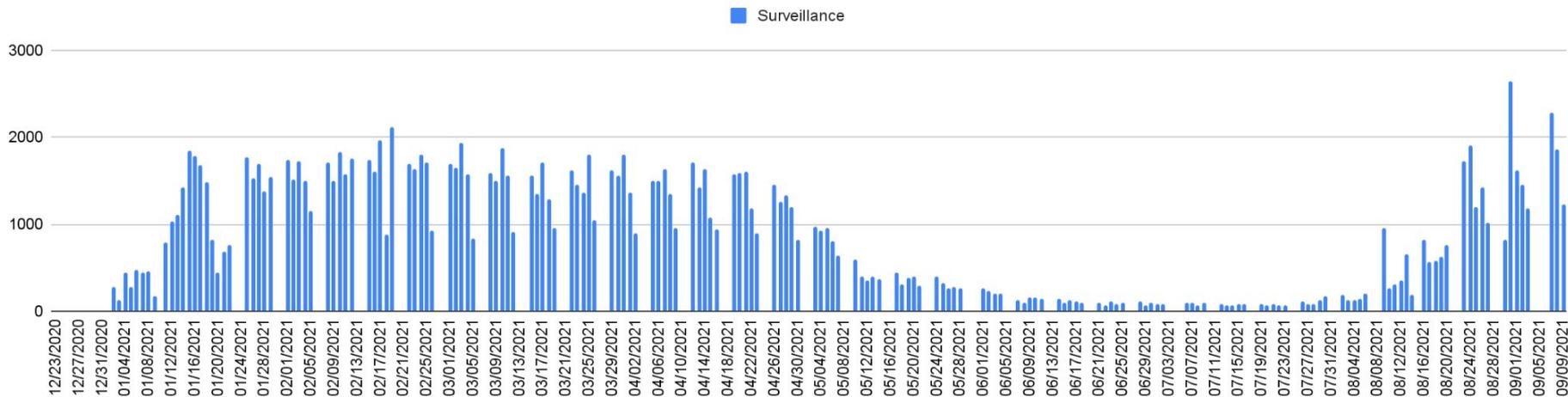


# Student Cases and Testing

Student Cases



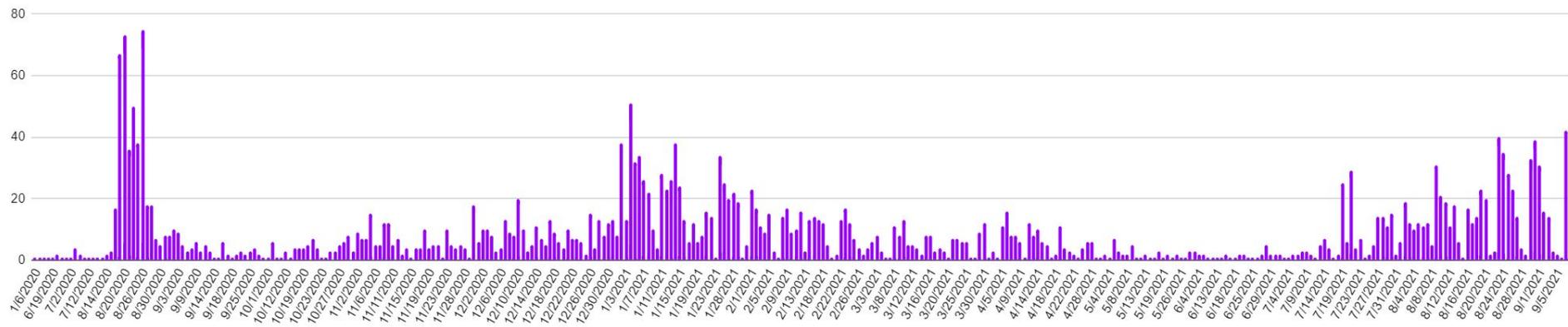
Student Testing



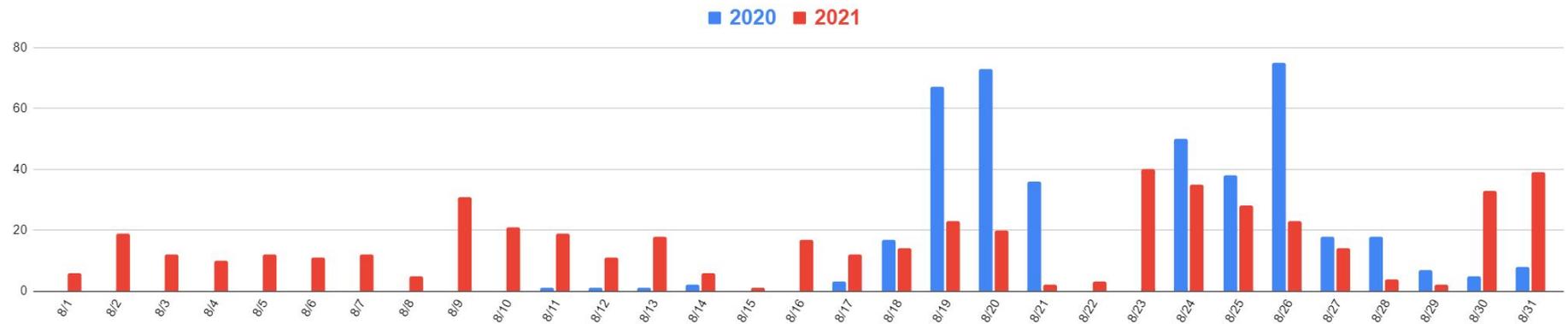
# PackVax & COVID Vaccinations

# NC State Epi-Curve

COVID-19 Positives Cases - All



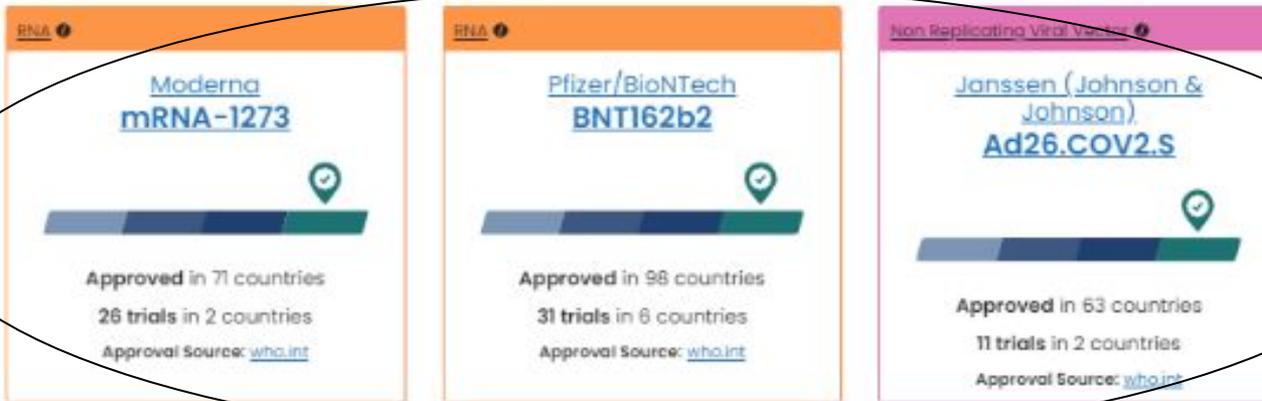
COVID-19 Positive Cases - August 2020/2021



**2020 August Cases = 420**

**2021 August Cases = 503**

FDA  
Authorized/A  
pproved



WHO  
Authorized



As of 8/31, CDC considers those who participated in the Novavax trials and completed both doses to be “fully vaccinated”

# Advantages of Vaccination

Effective June 1, 2021, all those who have received vaccines on campus or who provide proof of vaccination status through the HealthyPack Portal (see instructions, below) *will be exempt* from the following:

Any required [surveillance testing](#).

Mandatory [quarantine](#), in most cases, as part of the contact tracing program.

Even if you are fully vaccinated, everyone in the community is expected to continue adhering to NC State's [community standards](#), including wearing a face covering, washing hands regularly, staying home when sick and practicing physical distancing.



## “Breakthrough” cases

Expected infections in vaccinated individuals. No vaccine is 100% effective

Variants “break through” and cause infections.

Infections in the vaccinated tend to be less severe and significantly do not result in hospitalization and death

# **“I uploaded my card and I still get weekly testing reminders”**

SHS has validated > 30,000 cards since early August

In most cards that are still “in process” at SHS

- Manufacturers and both dates are not entered

- Both doses are not documented

- Multiple uploads are being compared and validated.

The files are then transferred to EMMC for the system(s) to take people off the rolls for testing.

**PackVax is set to expand, again!**



## Next up? Third shots.

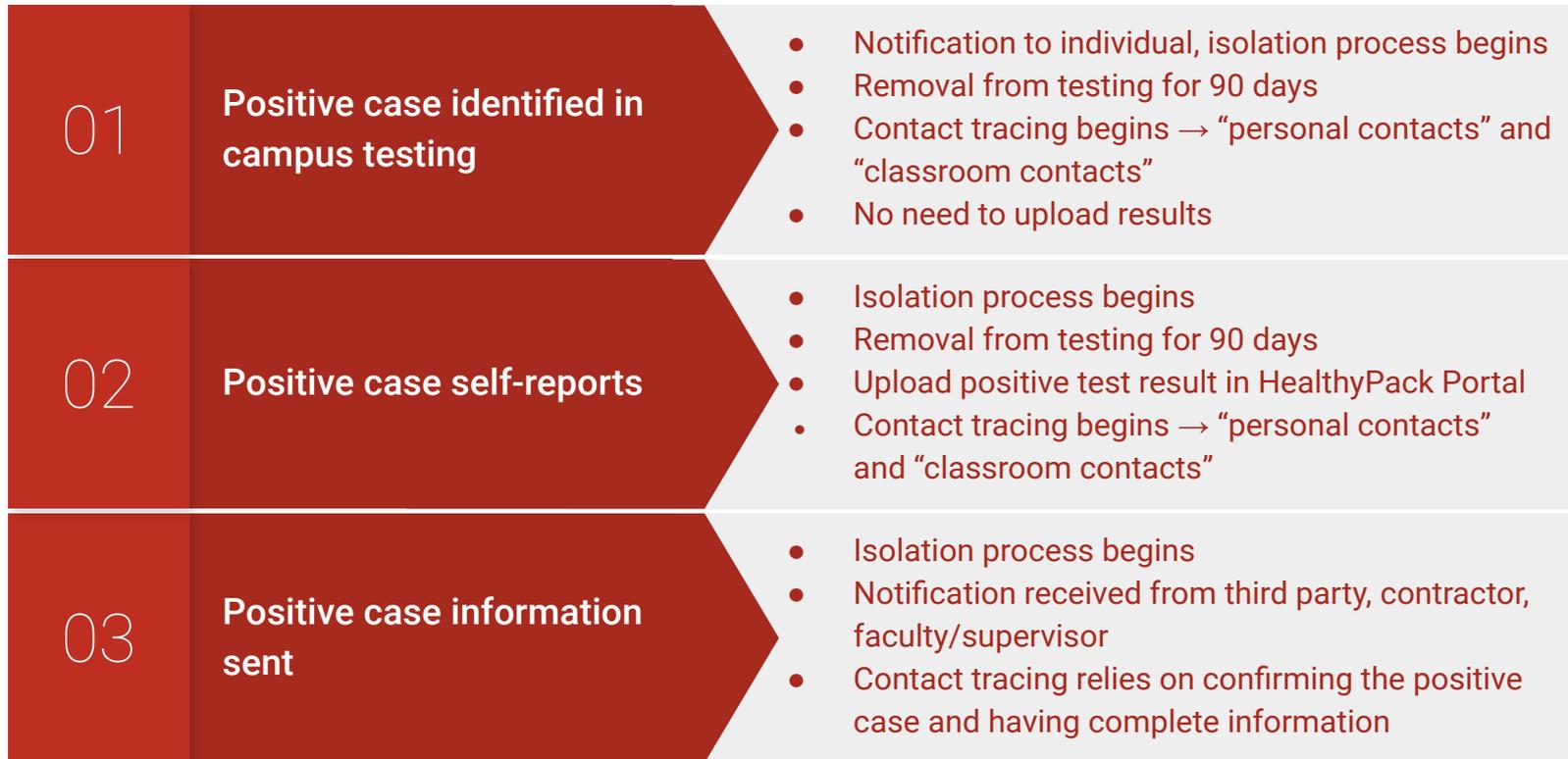
Third doses for moderate to severely immunocompromised individuals → available now

Boosters for immunocompetent individuals → awaiting FDA and ACIP approval

No shifting between mRNA vaccines (Moderna and Pfizer)

# Contact Tracing

# The process.

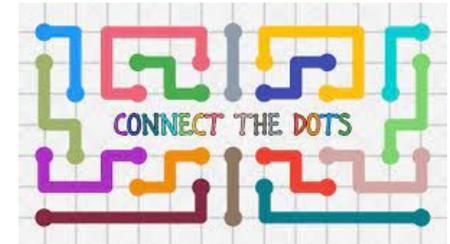


# Process Confounders



# Increased positive cases versus clusters

Cluster: **five** or more cases with illness onsets within a 14-day period and **plausible epidemiologic linkage** between cases.



NC State identified situations of 5 or more COVID-19 cases in residence halls and large classrooms. Positive rate was equivalent to campus-wide positive rate

Discussions with Wake County Health Department and NC DHHS epidemiologists determined these situations did not fit the cluster definition with a plausible epidemiological link.

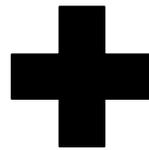
# Why is this important?

- In each of these situations, the number of positive cases represented 3% or less of classroom attendees. This low rate of positive cases is similar to overall rates being seen on campus.
- Finding these cases is the result of rigorous case reporting and contact tracing; all had been previously reported on NC State's [COVID-19 dashboard](#). Many of the individuals have already recovered, are not infectious and have been released from isolation.
- All close and potential contacts, including all members of their classes, had previously been notified and given recommendations on testing and quarantine in both broad class announcements and focused messages based on available seating charts and class rosters.

**We have not seen classroom or random housing contact resulting in increased transmission**

**If you leave home, know your 3 Ws!**

The infographic is divided into three vertical sections. The first section shows a line drawing of a cloth mask with the word 'WEAR' in purple, followed by the text 'a cloth mask over your nose and mouth.' The second section shows two human silhouettes with a red double-headed arrow between them labeled '6 FEET', with the word 'WAIT' in purple below, followed by '6 feet apart. Avoid close contact.' The third section shows a line drawing of hands being washed with purple dots representing water, with the word 'WASH' in purple below, followed by 'your hands or use hand sanitizer.' At the bottom left is '@NCDHHS' and at the bottom right is '#StayStrongNC'.



**Thank You. Questions?**