

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

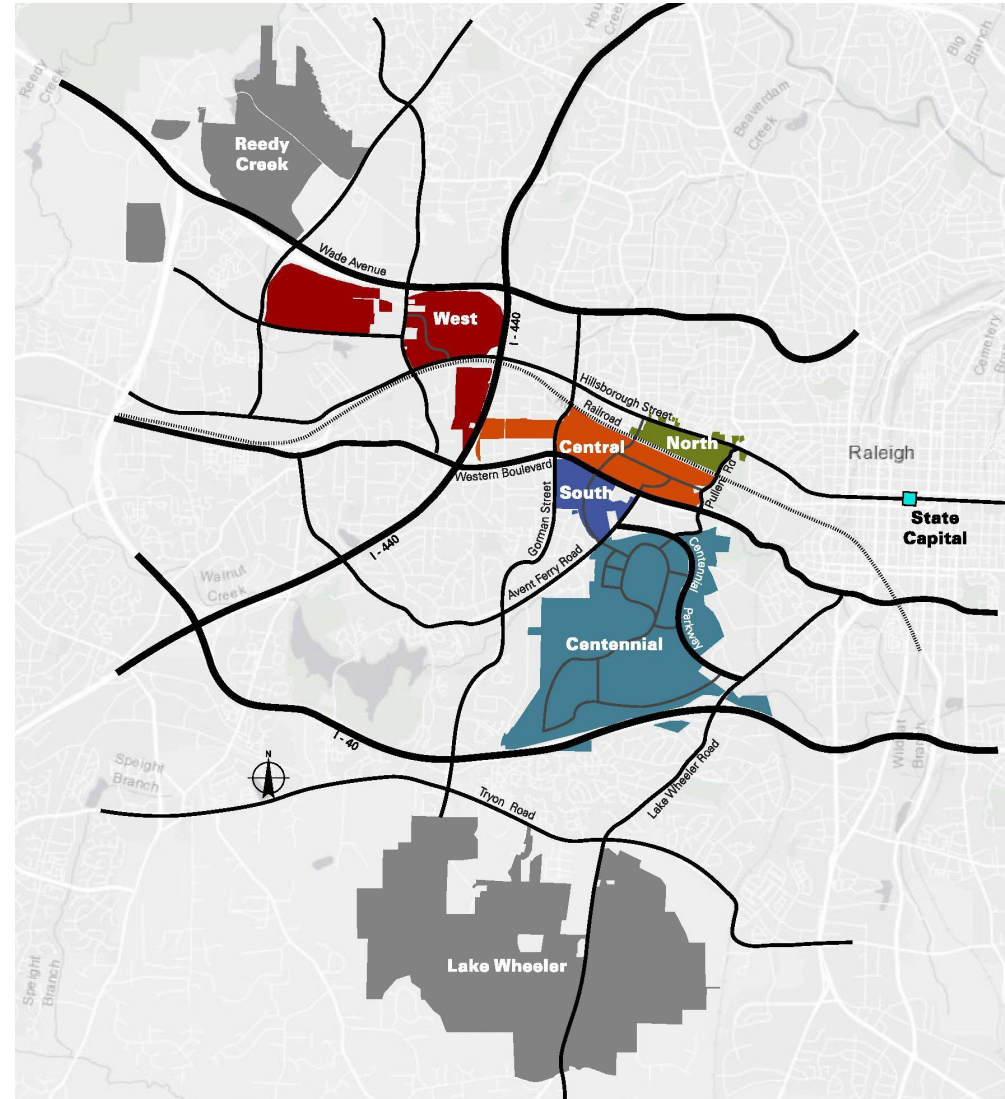
1,116 Acres

Lake Wheeler

1,989 Acres

SCHEDULE

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



Physical Master Plan

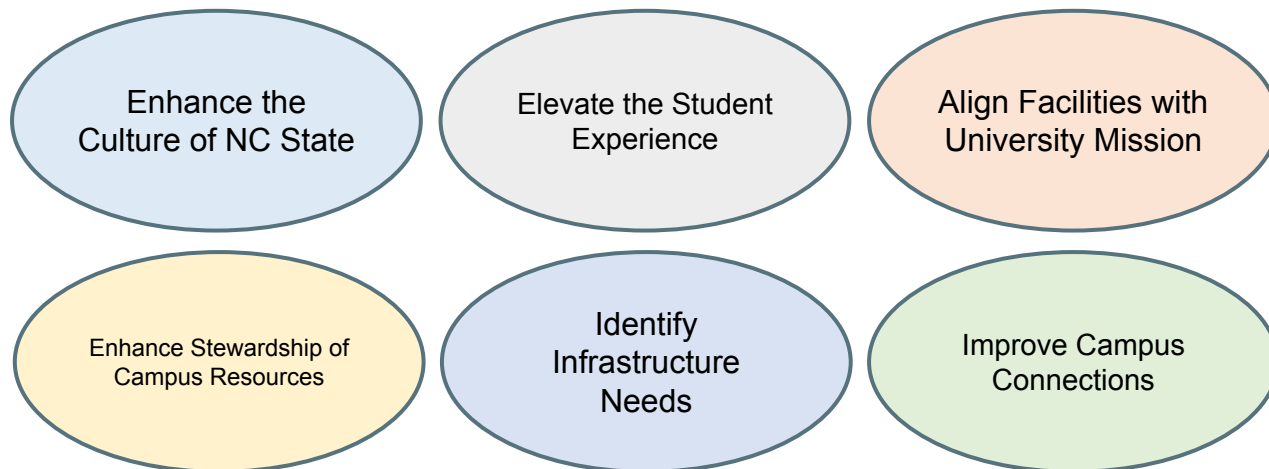
TASK FORCES

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* – 4th 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

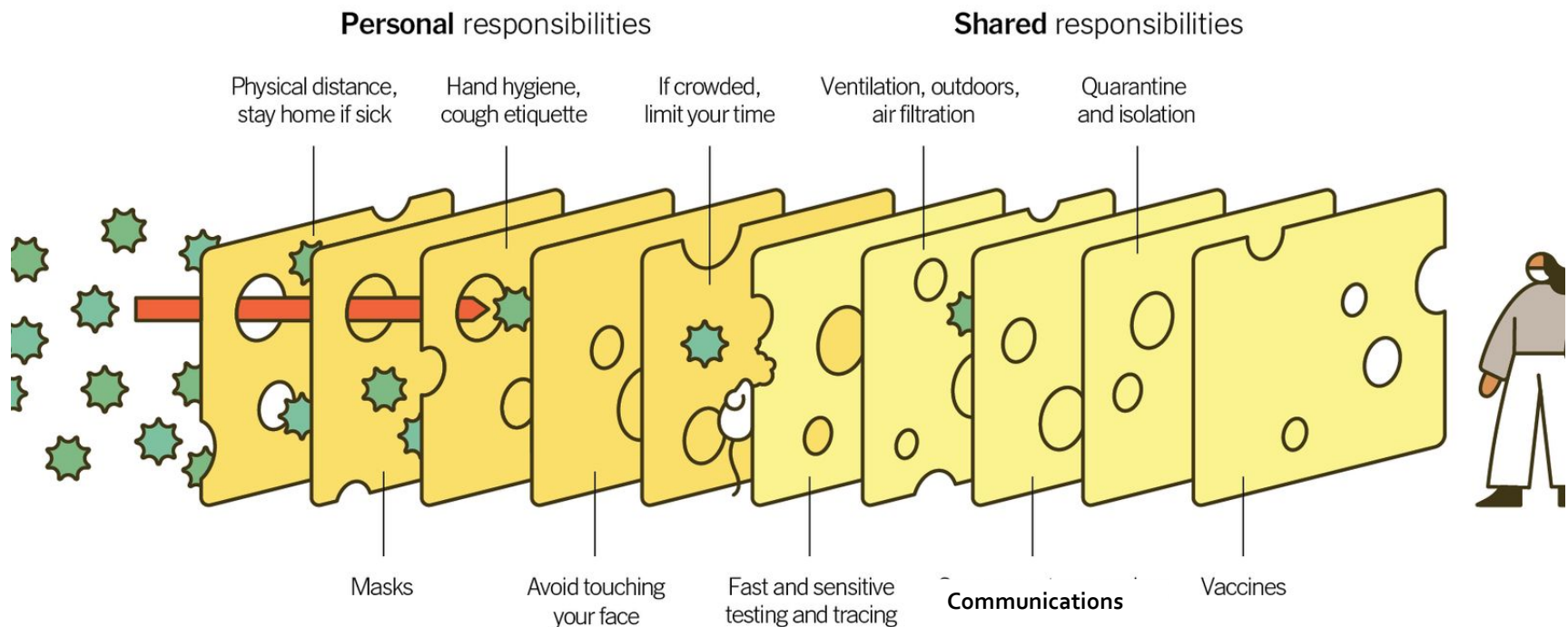
Evolution of COVID Operations



Campus evolution with COVID

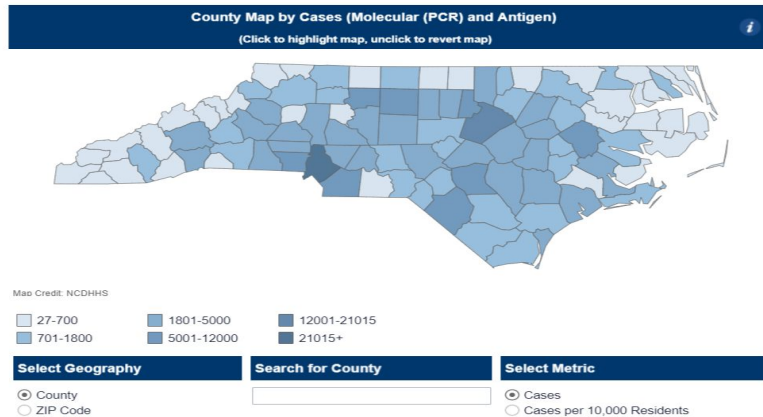
Multiple Layers Improve Success

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.

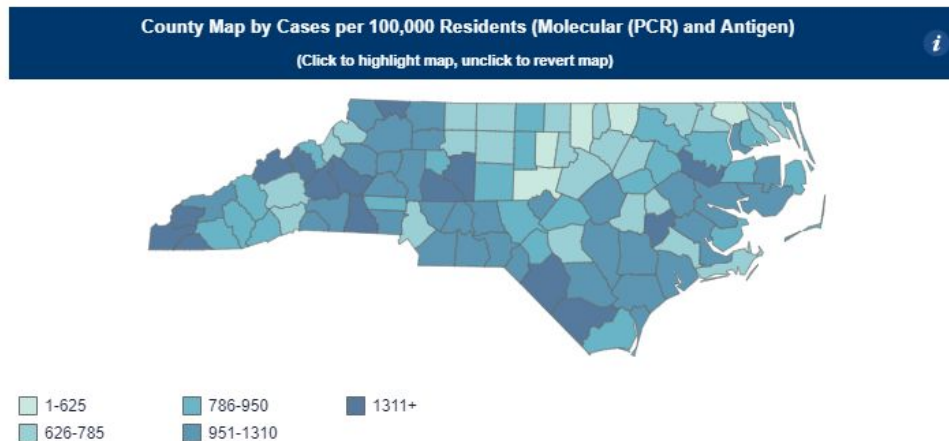
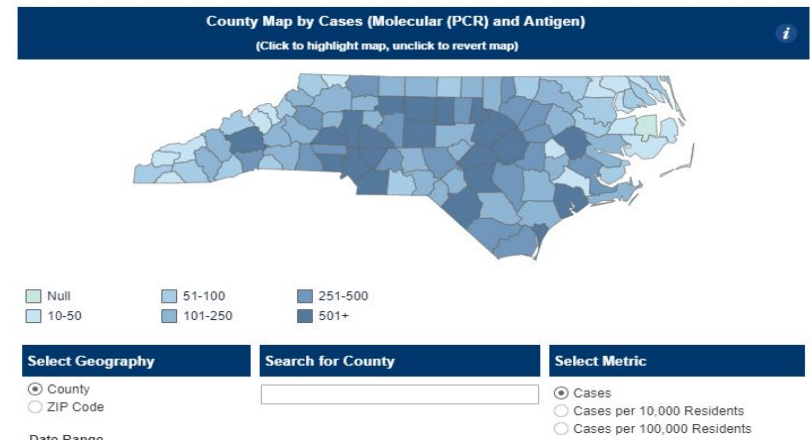


NC COVID: Then and Now

Fall 2020

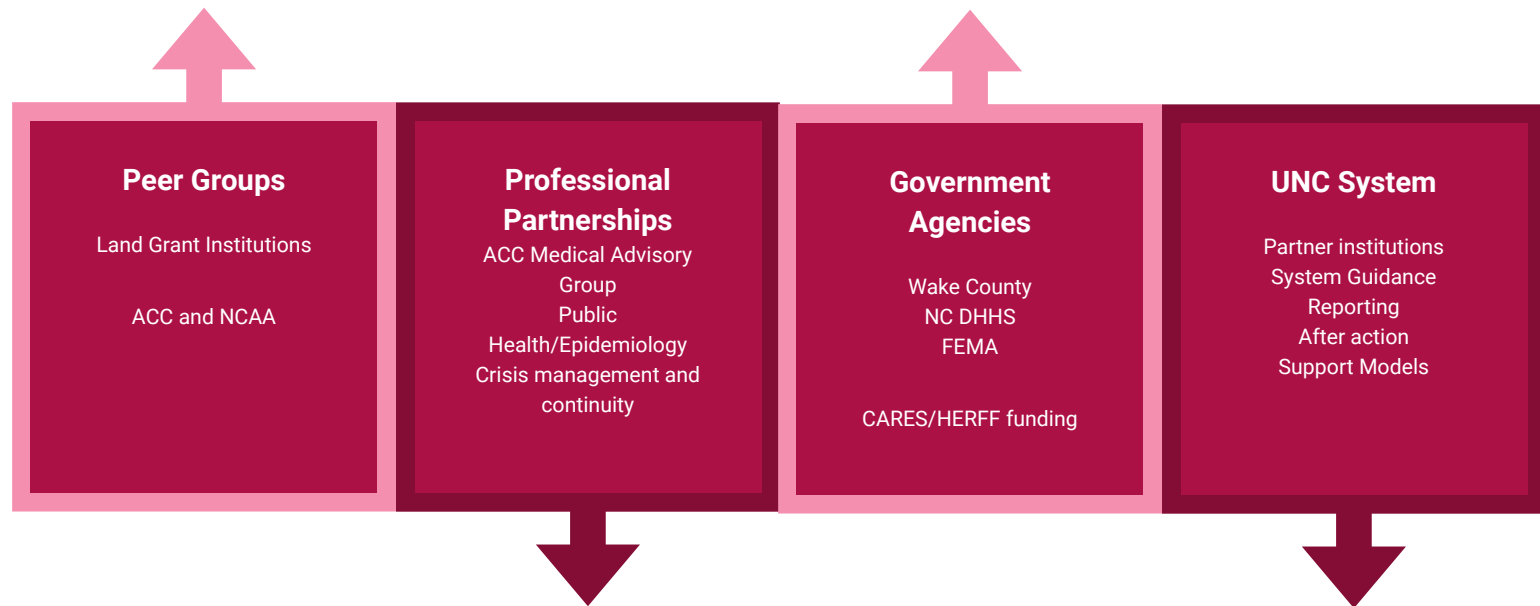


Spring 2021



Fall 2021

Peer Communications, Professional Partnerships, System Support Teams



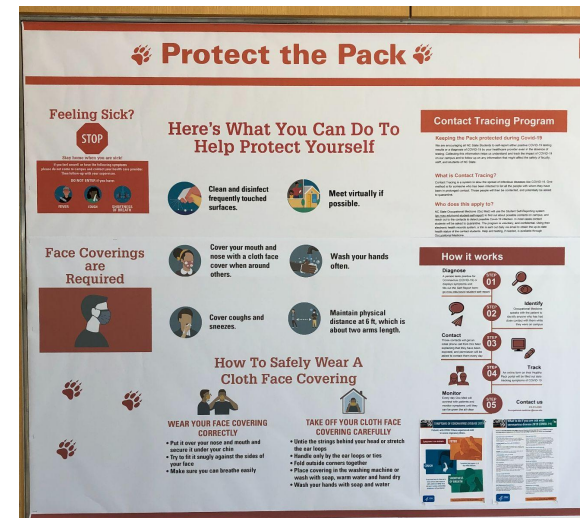
Operational Considerations for Campus Programming

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



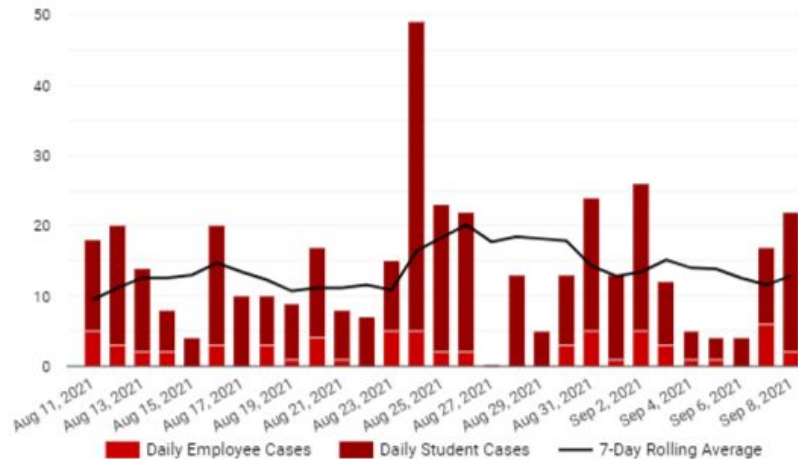
NC STATE COVID-19 Dashboard

Positive Cases

From Campus Testing and Self-Reports

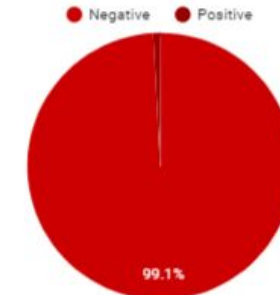
	Daily New Cases 9/8/2021	Active Cases Since 8/30/2021	Total Cases Last 30 Days	Fall '21 Cases Since 8/1/2021
Employees	2	27	70	88
Students	20	113	361	390
Total	22	140	431	478

Daily Positive Cases



Fall '21 Campus Testing

Since 8/1/2021


[Mobile View](#)
[View Annotations](#)

Employee Tests 7,725

Student Tests 27,250

Total Tests 34,975

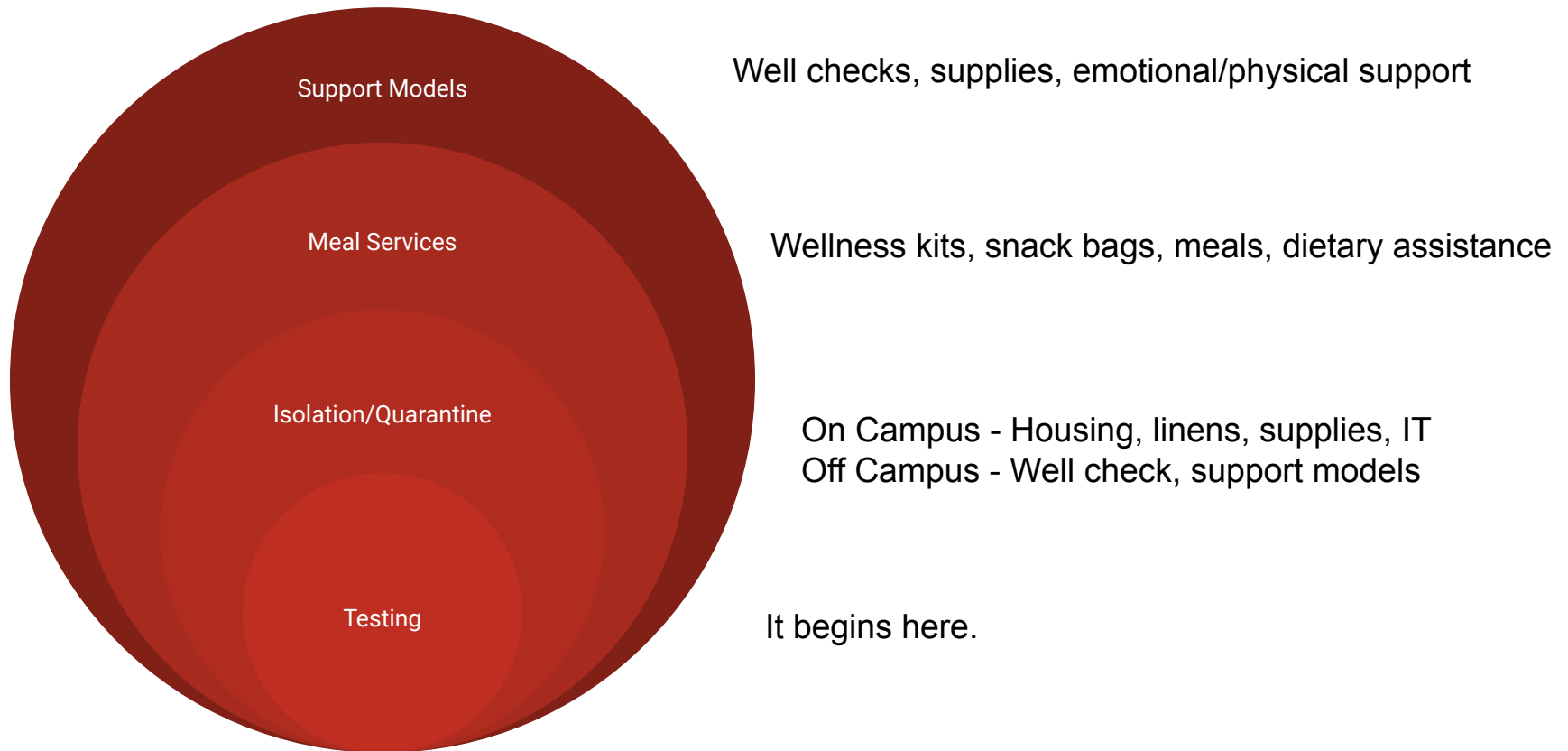
Total Positives 307

Isolation and Quarantine

As of 9/8/2021

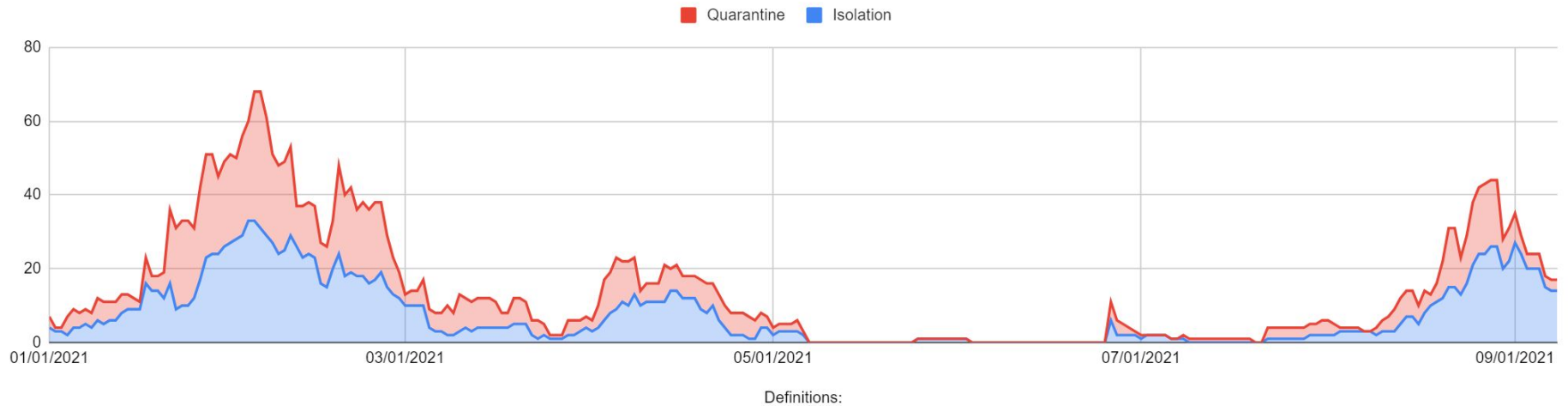
	Students		Employees
	On Campus	Off Campus	
Isolation	14	158	26
Quarantine	3	486	19
Total	17	644	45

COVID Operations

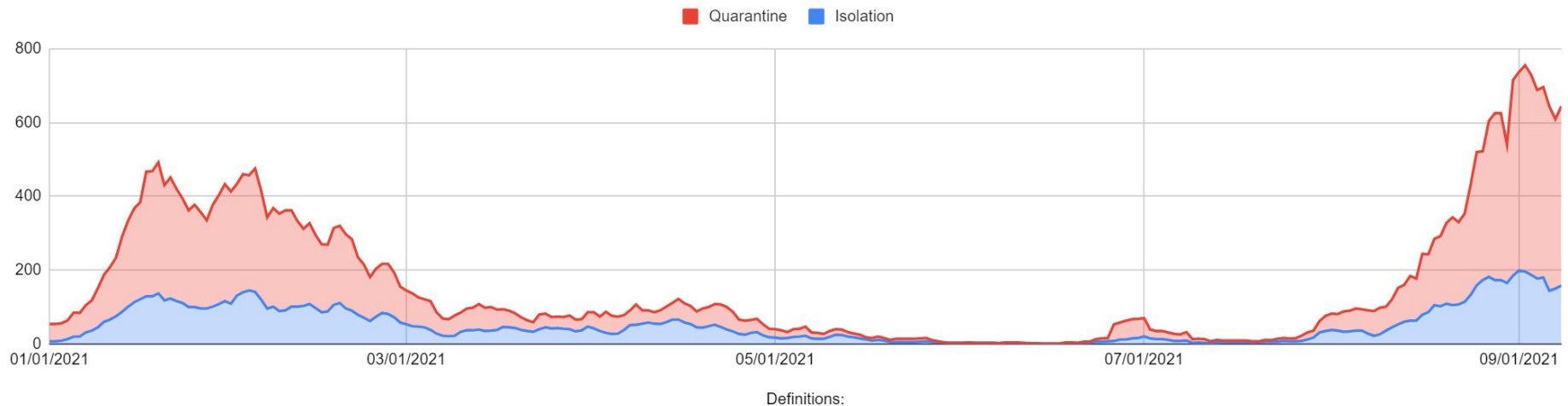


Total Student Isolation and Quarantine

Total Student Isolations/Quarantine - On Campus

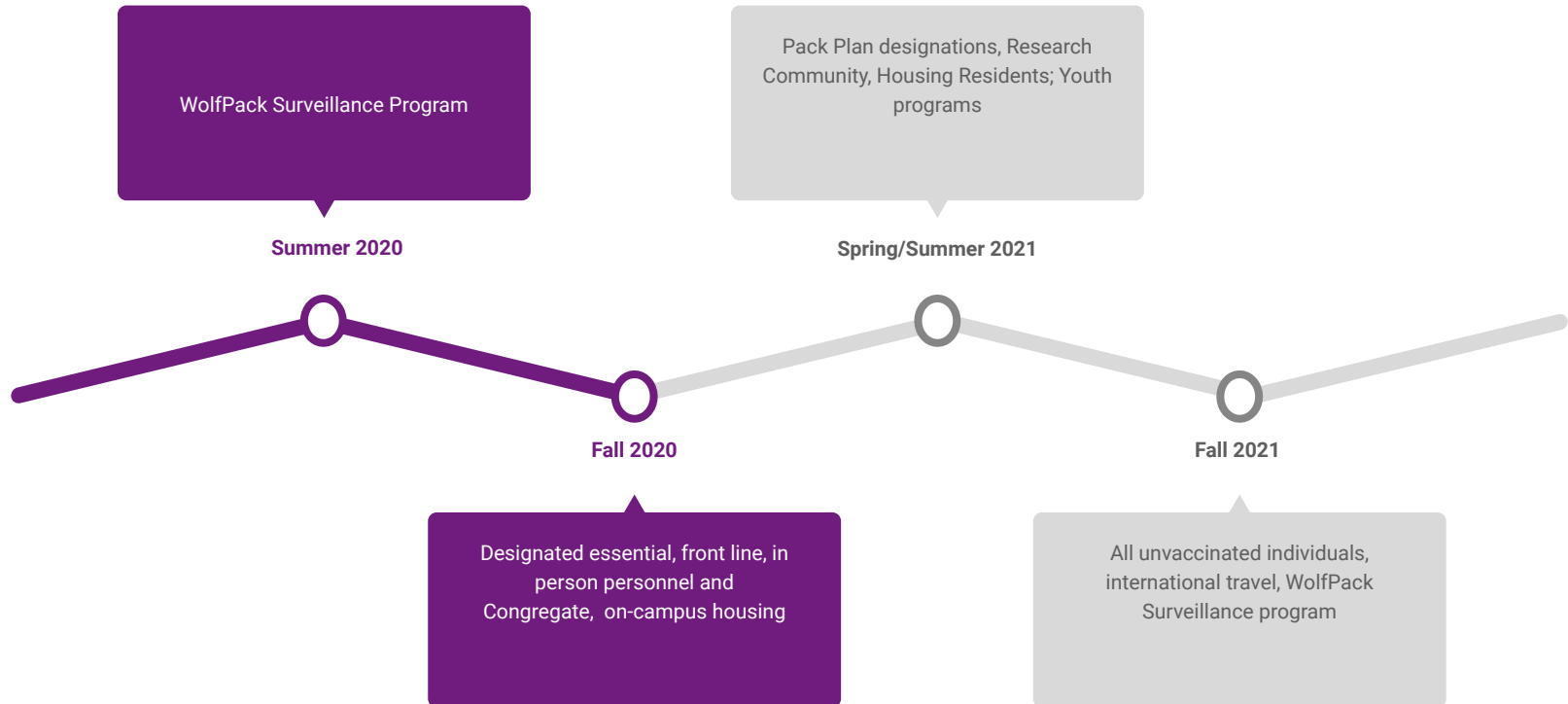


Total Student Isolations/Quarantine - Off Campus



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.

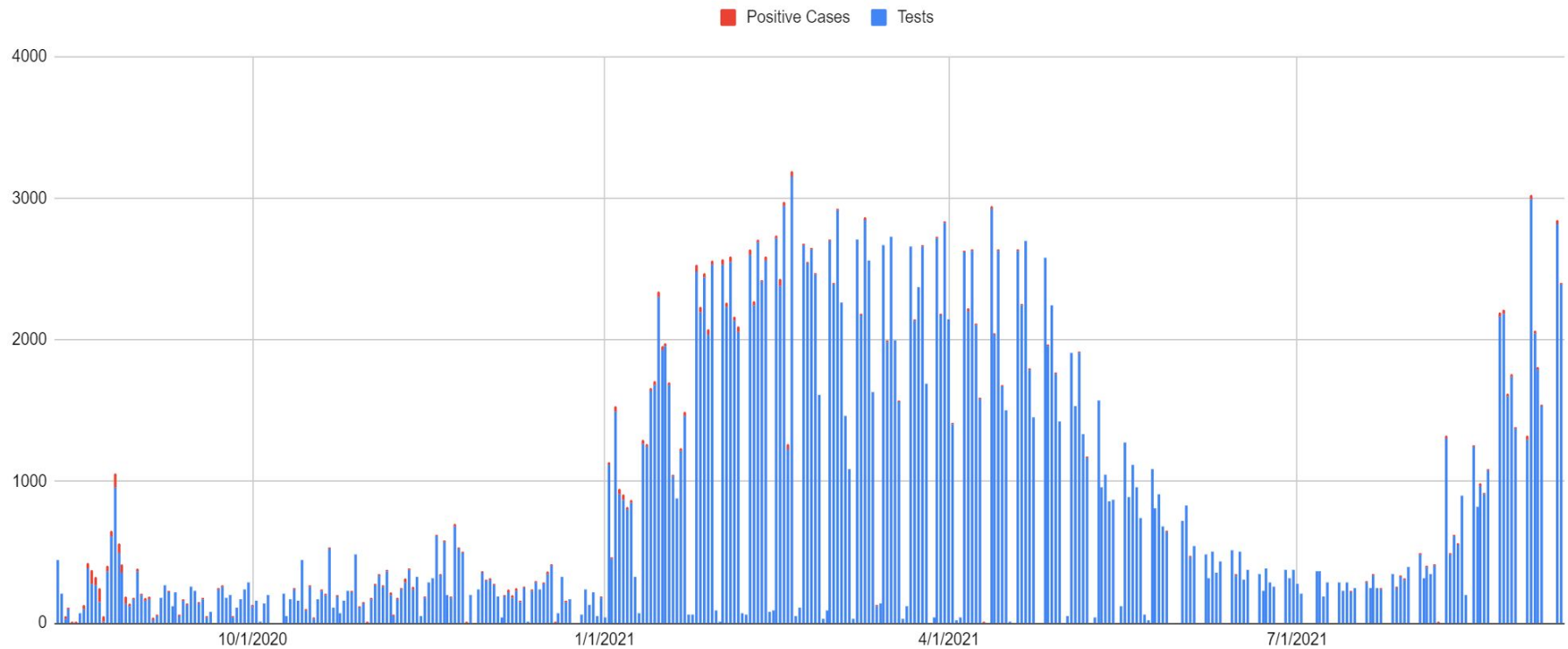
COVID 19 Testing

- 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?

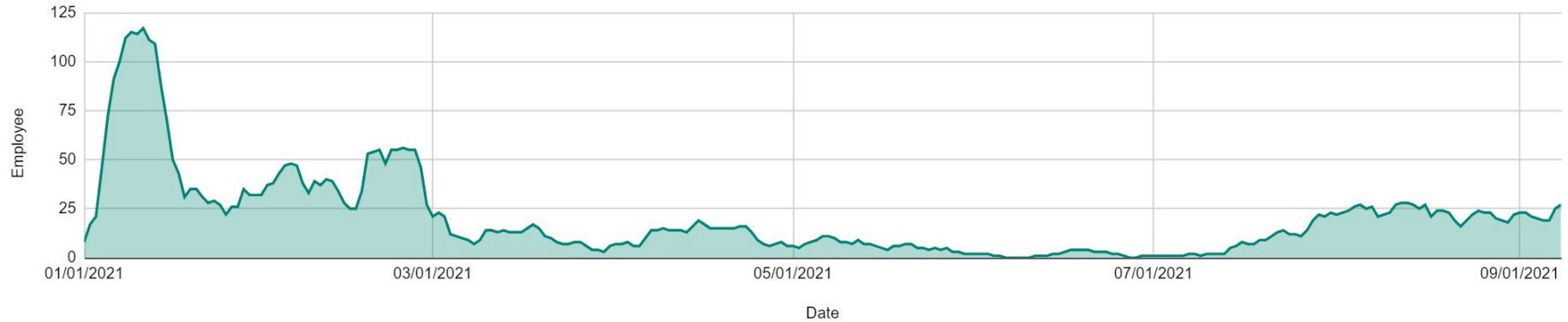
Testing: Academic Year '20-'21

Total COVID Testing and Positive Cases



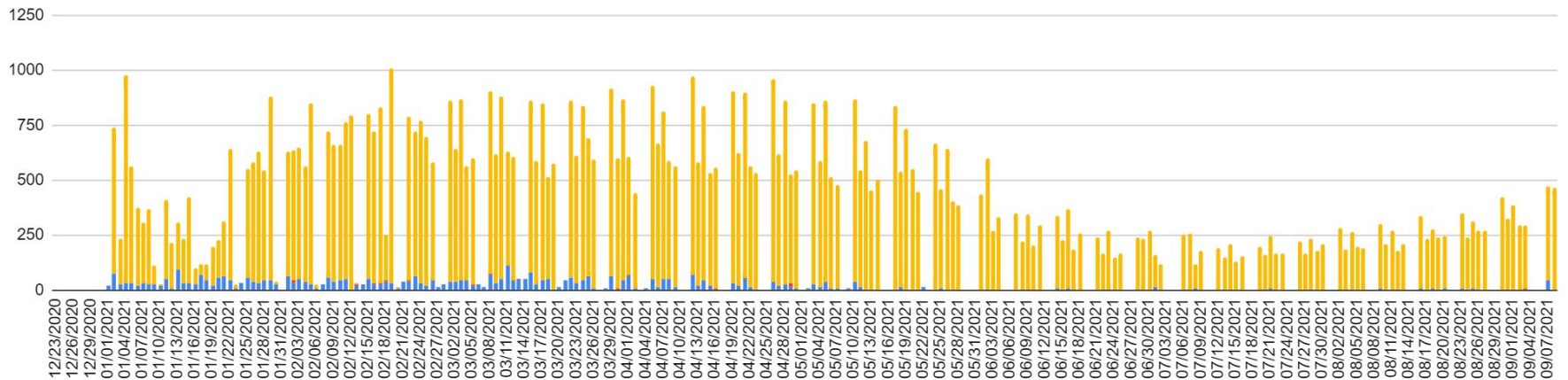
Employee Cases and Testing

Employee Cases



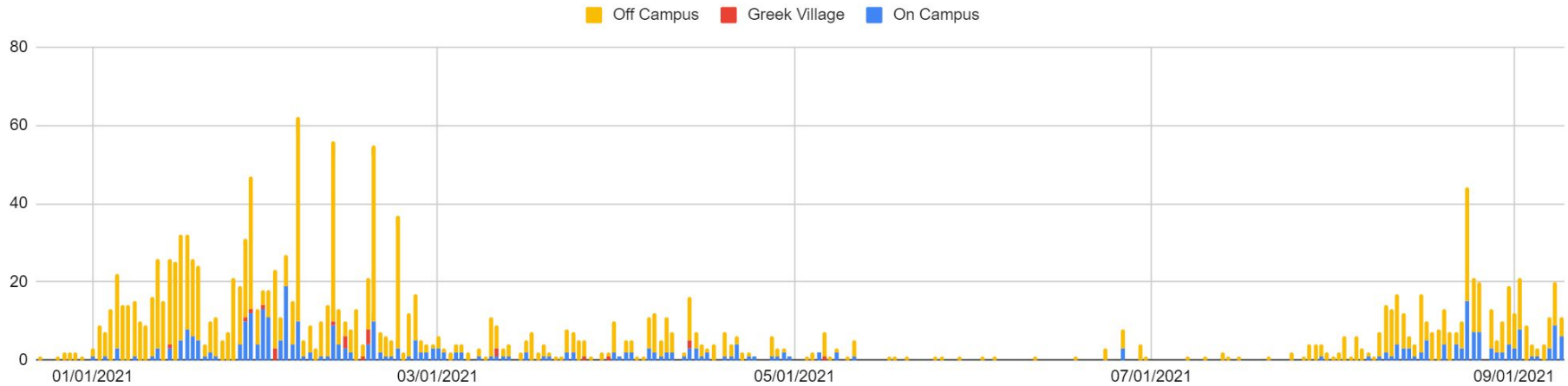
Employee Testing

Surveillance Cluster Athletics-related

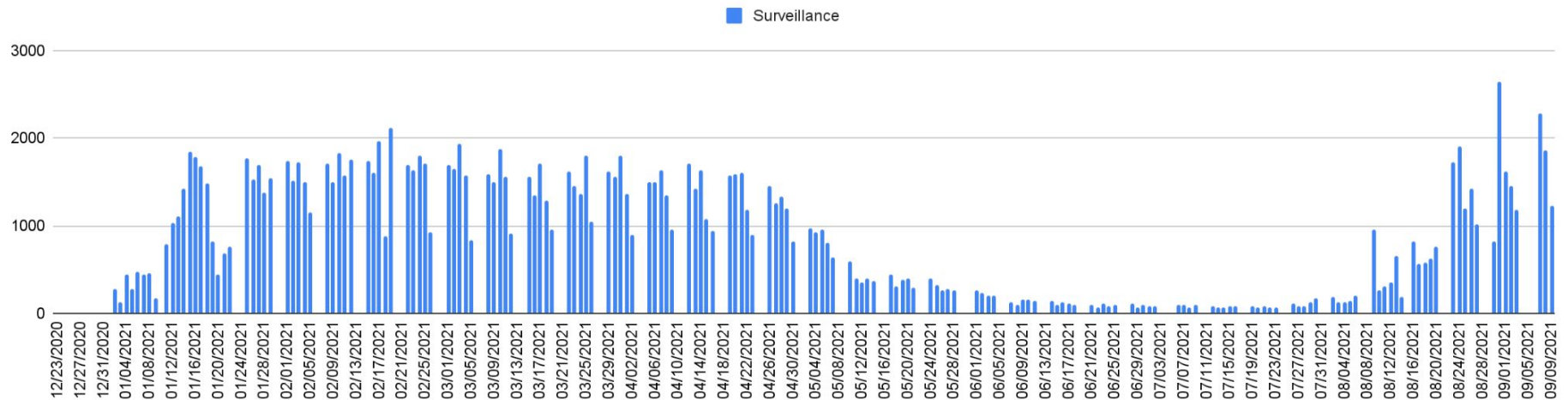


Student Cases and Testing

Student Cases



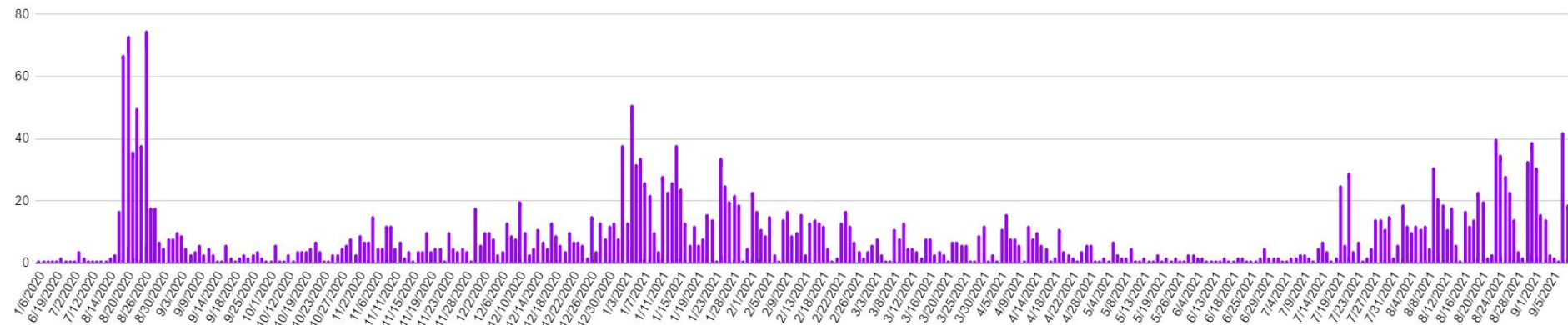
Student Testing



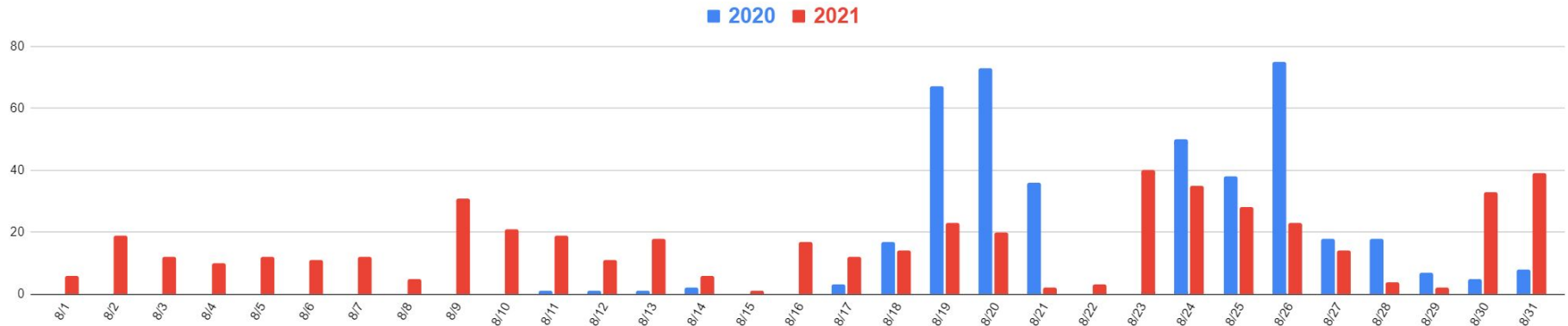
PackVax & COVID Vaccinations

NC State Epi-Curve

COVID-19 Positives Cases - All



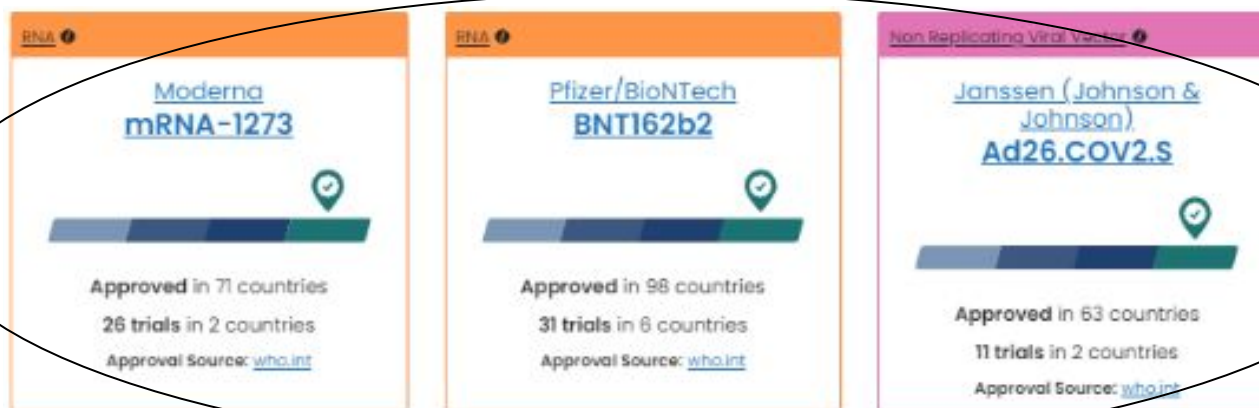
COVID-19 Positive Cases - August 2020/2021



2020 August Cases = 420

2021 August Cases = 503

FDA
Authorized/Approved



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.

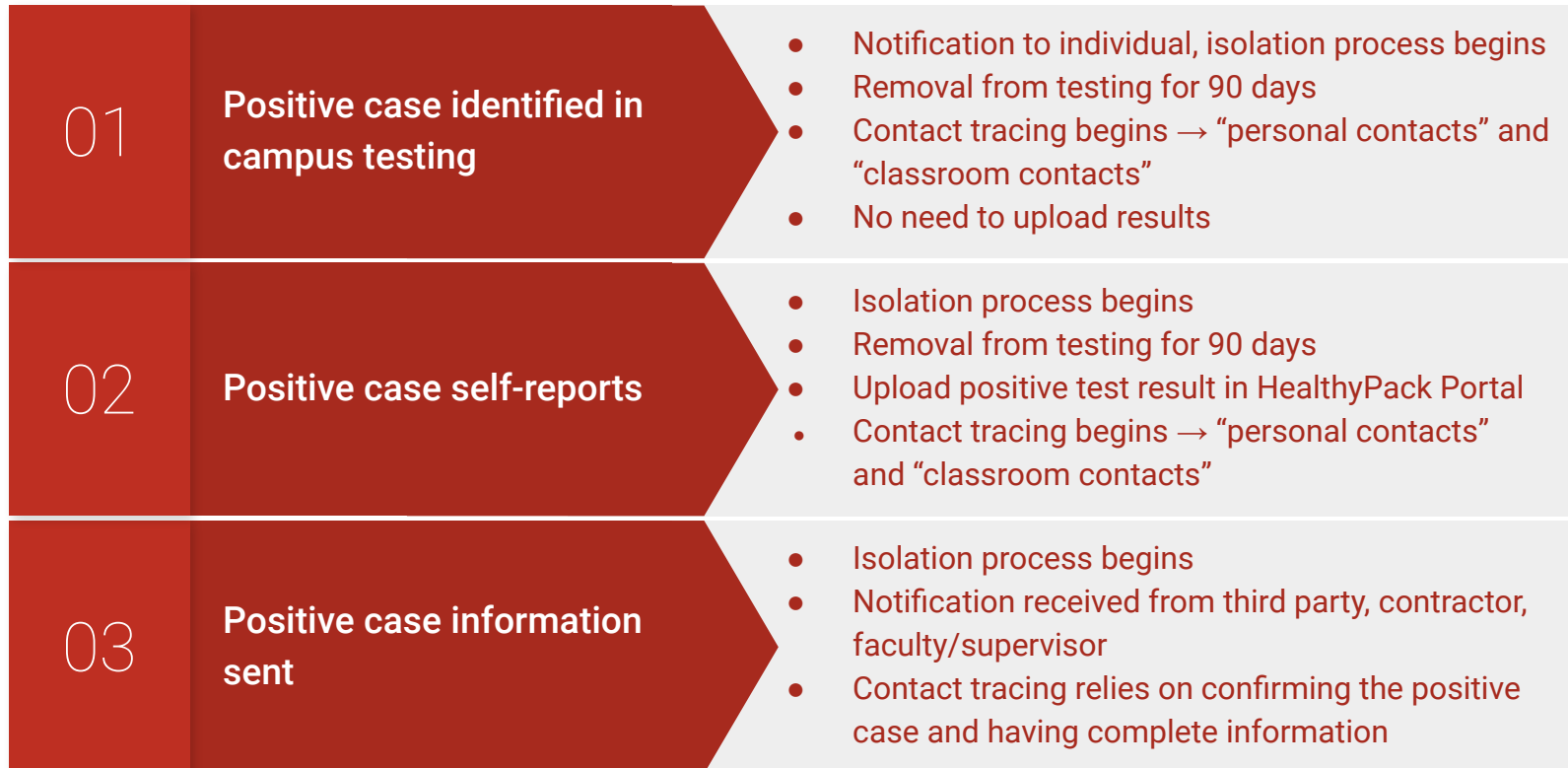
Third doses for moderate to severely immunocompromised individuals → available now

Boosters for immunocompetent individuals → awaiting FDA and ACIP approval

No shifting between mRNA vaccines (Moderna and Pfizer)

Contact Tracing

The process.

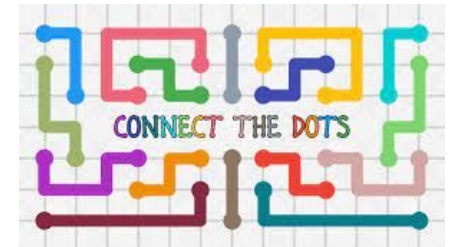


Process Confounders



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



Thank You. Questions?