

# COVID-19 Epidemiology and Vaccine Update

The current situation and  
how and what's next?

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University of Florida Faculty Senate Meeting

Perfect numbers,  
like perfect men,  
are very rare.

-Rene Descartes

# Florida

 SHARE

 RECEIVE ALERTS



COVID RISK LEVEL

## Active or imminent outbreak


Florida is either actively experiencing an outbreak or is at extreme risk. COVID cases are exponentially growing and/or Florida's COVID preparedness is significantly below international standards.



ALERT

The U.S. is in a third COVID wave. Exercise extra caution in order to reduce your risk of infection, to avoid infecting others, and to avoid overwhelming our healthcare system. [Learn more](#).

### DAILY NEW CASES

 **43.4** PER 100K


Dangerous number of new cases

### INFECTION RATE

 **1.09**

COVID is still spreading, but slowly

### POSITIVE TEST RATE

 **10.6%**

Indicates insufficient testing

### ICU HEADROOM USED

 **48%**

Can likely handle a new wave of COVID

Beta

### TRACERS HIRED

 **6%**

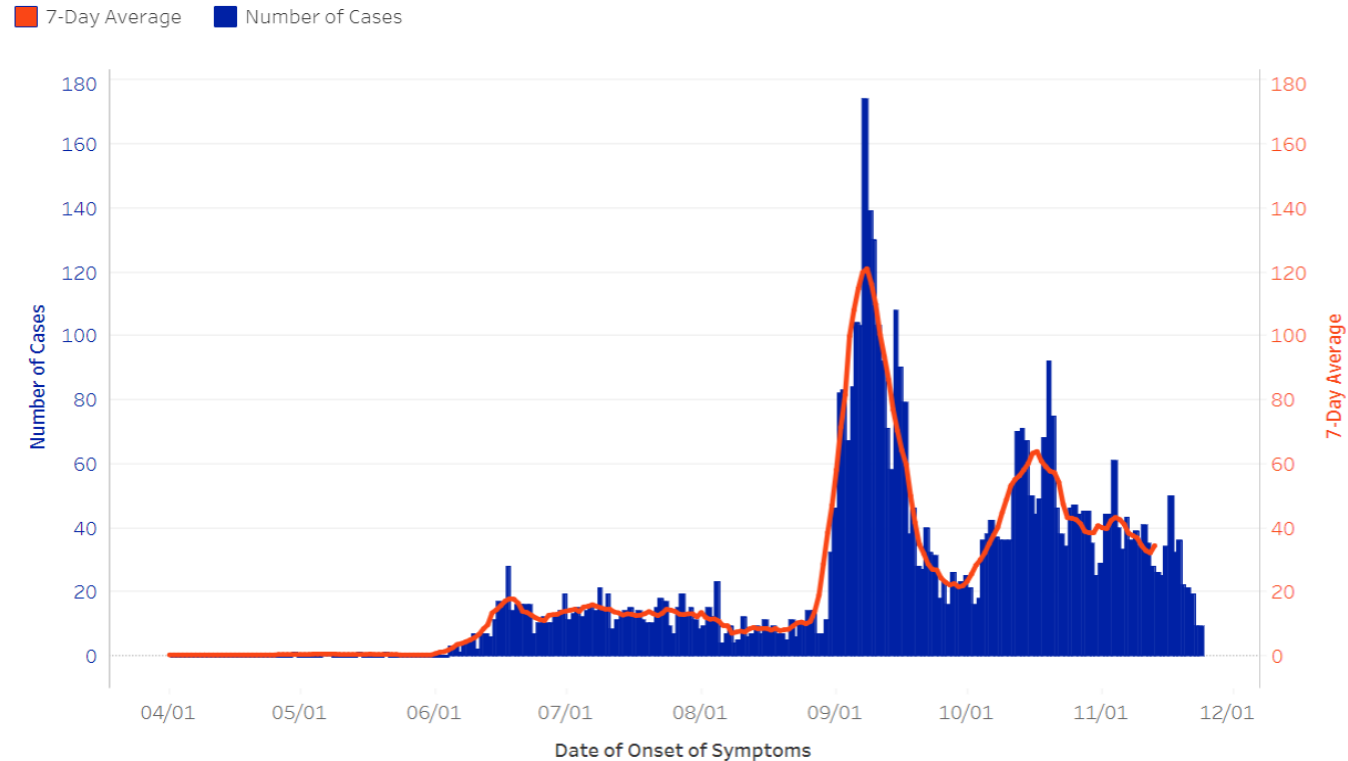
Too many cases and too few tracers hired

Beta

# Epidemiologic Curve COVID-19 on Campus

## Affiliate and Contact Tracing

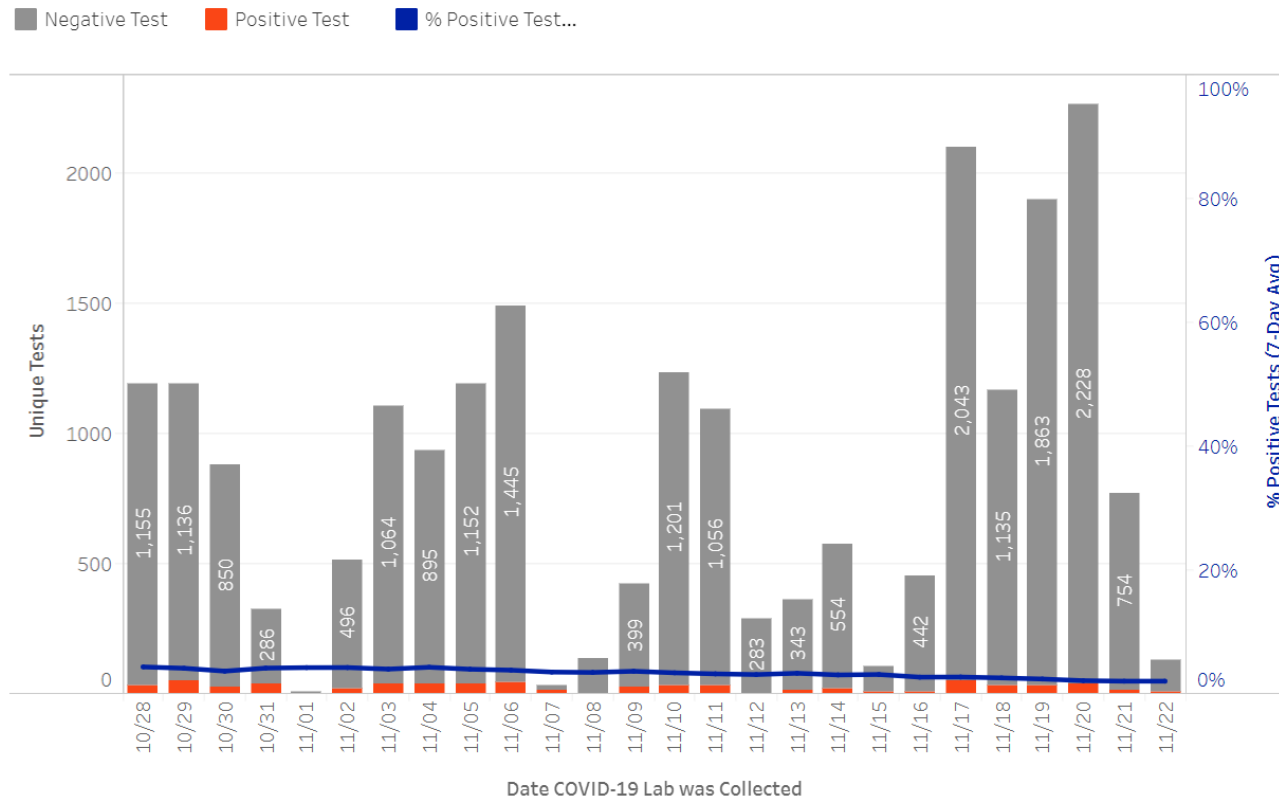
UF-Affiliated Cases by Date of Onset of Symptoms, April 2020 - Present



Last Updated: 11/23/2020

# Targeted and Surveillance Testing COVID-19 on Campus

Number of Daily UF COVID-19 Tests Performed, From the Past Month to the Present



Last Updated: 11/23/2020

# Vaccines





STOP THE SLAUGHTER  
OF THE INNOCENTS!  
PROTEST AGAINST  
COMPULSORY VACCINATION

COMPULSORY VACCINATION  
- GERMAN BORN  
DOWN WITH  
COMPULSION!!

PHOTO  
DROME

GERHARD  
HEINTZMAN  
PIANOS

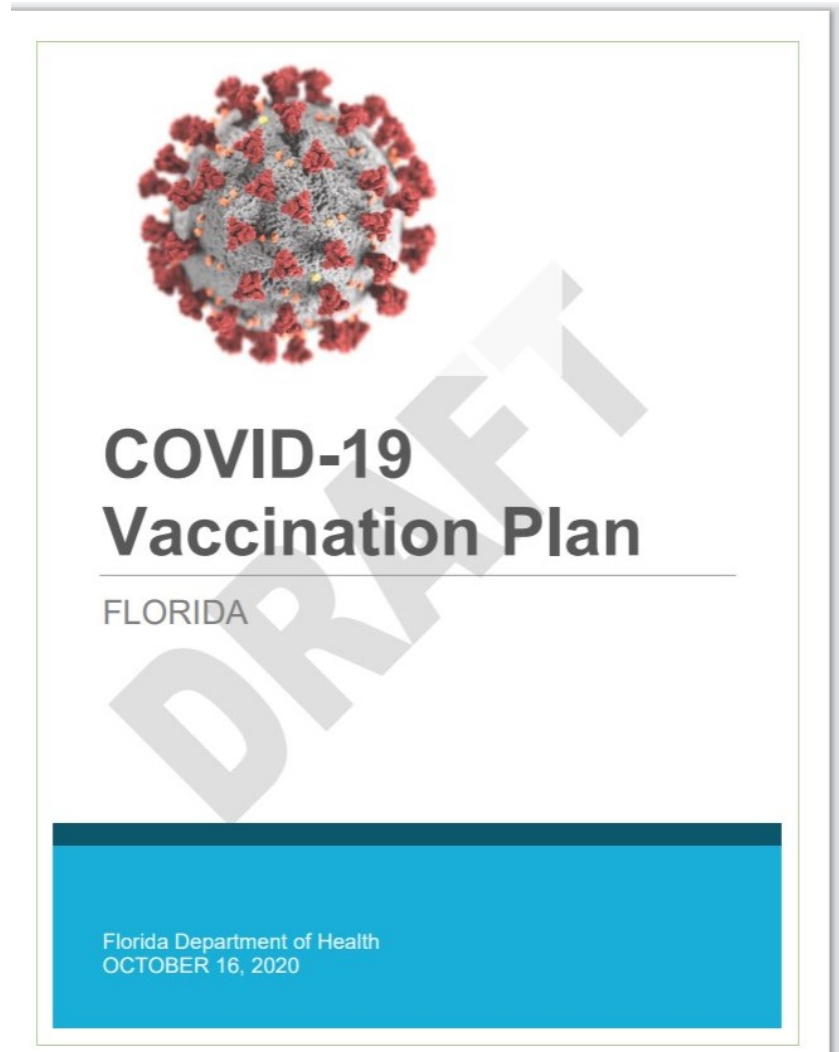
COLONIAL THEATRE

**NO VACUNA**  
 **NO**   
**NO MASCARILLA**





- **Pfizer and BioNTech**
  - mRNA vaccine BNT162b2
  - Encodes the full-length spike protein
- **Moderna**
  - mRNA-1273 vaccine,
  - encodes the S-2P antigen, consisting of the SARS-CoV-2 glycoprotein with a transmembrane anchor and an intact S1–S2 cleavage site.
- **AstraZeneca**
  - Non-replicating viral vector vaccine AZD 1222
- **Johnson&Johnson/Janssen**
  - Non-replicating viral vector AD26.CoV2-S
- **Sanofi**
  - Protein Subunit
- **Novavax**
  - Protein Subunit



# Latest Developments