

Update on SARS CoV-2 Testing and Tracing



Phillip F. Bressoud, MD, MS, FACP
Associate Professor of Medicine
and Executive Director
Campus Health Services
University of Louisville

UofL Dashboard Data

TOTAL NUMBER OF TESTS

44,324

NUMBER OF POSITIVE CASES

878

NUMBER OF NEGATIVE CASES

43,446

POSITIVITY RATE

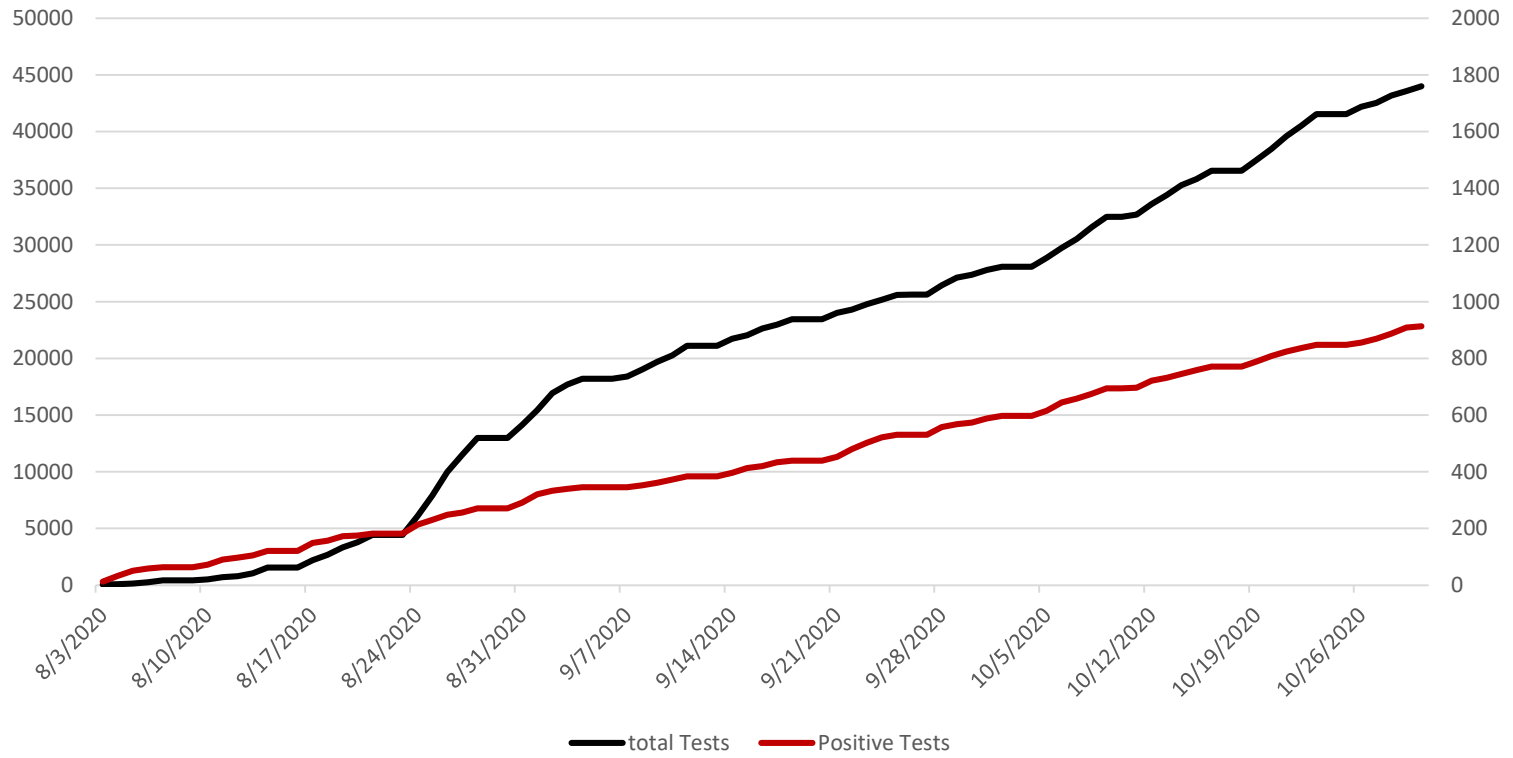
1.98%

- <https://louisville.edu/coronavirus/dashboard>

Testing Summary As of 11/4

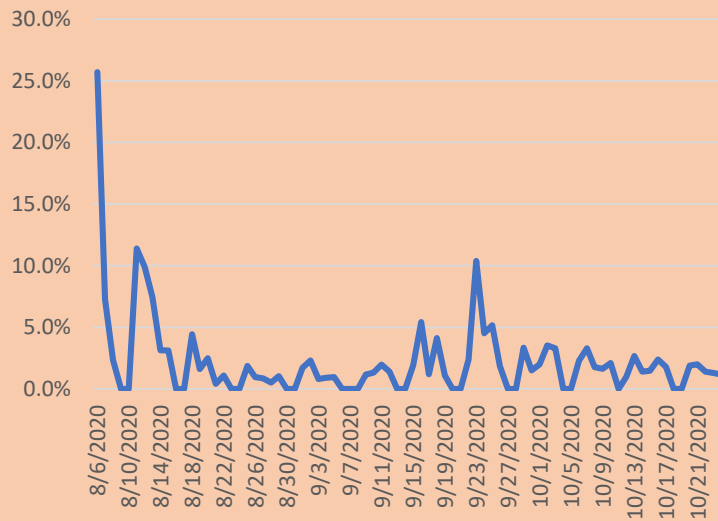
	Bluewater	CHS Belknap	CHS HSC	Grand Total
Positives	555	317	69	943
Negatives	34,278	7,235	913	43,255
Total	34,833	7,552	982	44,198

Cumulative Testing All Sources



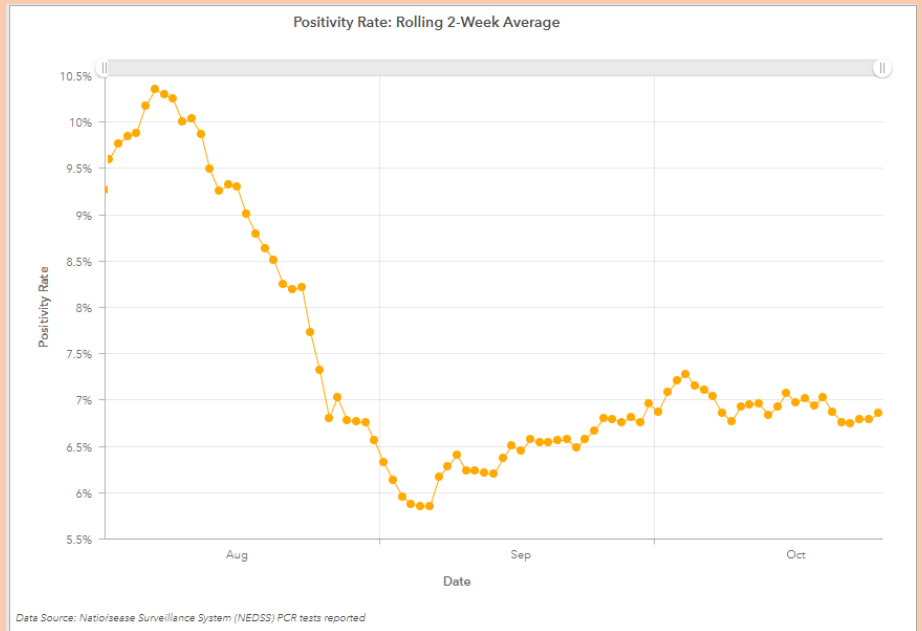
Positivity Rate

Daily Percent Positive



UofL 14-rolling positive rate: 2.1%

Positivity Rate: Rolling 2-Week Average



Jefferson County 14-rolling positive rate: 6.9%

Sources of Test Results

In-Office Testing

Bluewater

University Hospital

Self-reported outside

Types of Testing Available

Molecular (also known PCR, RT-PCR, genetic)

- detects genetic material of the virus
- can continue detecting it for weeks to months after an initial infection.
- Available through Bluewater for AYMPTOMATIC screening

Antigen

- determines if viral coat proteins are present, which is associated with an active coronavirus infection
- confirms you are positive for COVID-19 if you are *currently* shedding the virus.
- Will only remain positive for about a week.
- Available CHS for symptomatic testing

- **Antibody Testing**

- No mans land

New Testing Options

- Campus Health Service adding molecular Helicase Chain Reaction(HCR) Testing on new platform that we hope to have available within 4-6 weeks.
- Testing costs approximately $\frac{1}{2}$ of traditional PCR.

Case Management

Campus Health

- Identify cases
- Contact case and gather housing and other information
- Contacts Housing and Internal contact tracing team

Housing

- Works with student on isolation plan: Home vs moved to off-site hotel
- Arranges food delivery, laundry, etc.
- Housing

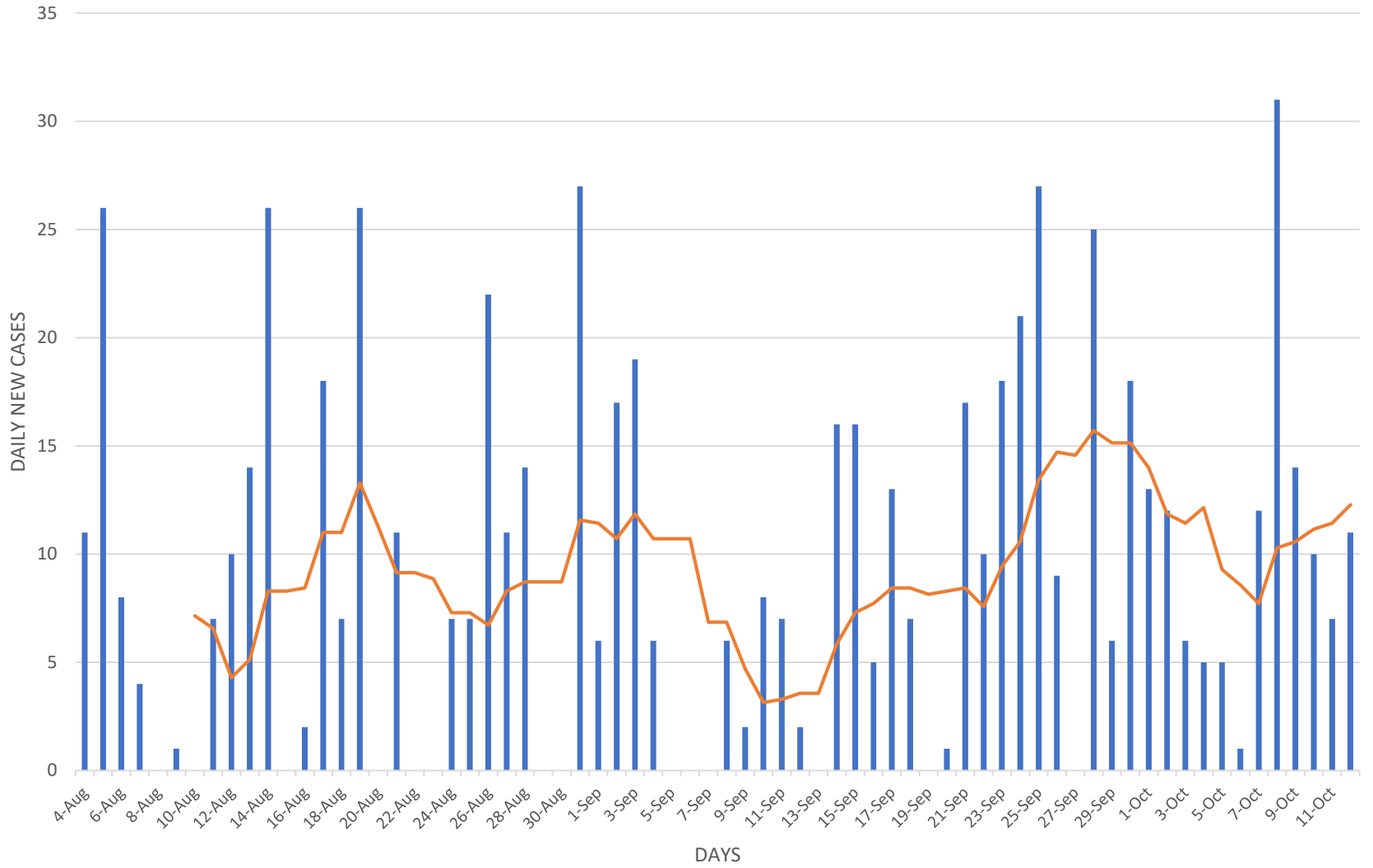
Contact Tracing

- Contact student and reviews activities and contacts
- Notifies contacts and determines if exposure
- Recommends isolation and quarantine periods based on agreed upon protocols
- Completes required reportable disease forms and forwards to health dept.

Metro Health Department

- Follow up contact tracing
- Assist with complex outbreak analysis

7 Day Rolling Average UofL COVID-19 Cases



Case Status

from 8/3 – 11/4

Isolation	75
Open	0
Added/New	11
Closed	755
Contacts → Case	317
Unable to reach	48

Contacts

from 8/3 – 11/4

Quarantine	89
Open	7
Added/New	27
Closed	854
Unable to Contact	9
Total	1297

New Issues and Observations

- Individuals going off campus, so the University doesn't become aware of testing results
- Faculty, staff and students failing to recognize minor symptoms and get tested.
- Failure to maintain mitigation efforts once off campus such as parties, dinners, traveling, etc without appropriate PPE and/or precautions.

New Issues and Observations

- There are reports of individuals trying to change the start date of their symptoms in order to shorten their isolation or quarantine.
- Filling CHS current nursing and clinical staff vacancies ASAP
- Utilizing agency nurses to expand capabilities and meet our short term needs

Plans

- Expand data on dashboard and analytics through Institutional Research
- Developing Winter Break Schedule to continue to provide testing on both campus from 12/18 through 1/4

Plans

- Discussing MANDATORY testing for healthcare students beginning next week and all students in January
- Already working with School of Nursing to expand drive through flu shots for Fall 2021



Questions