

# COVID-19

## *Mitigating Spread on College Campuses*

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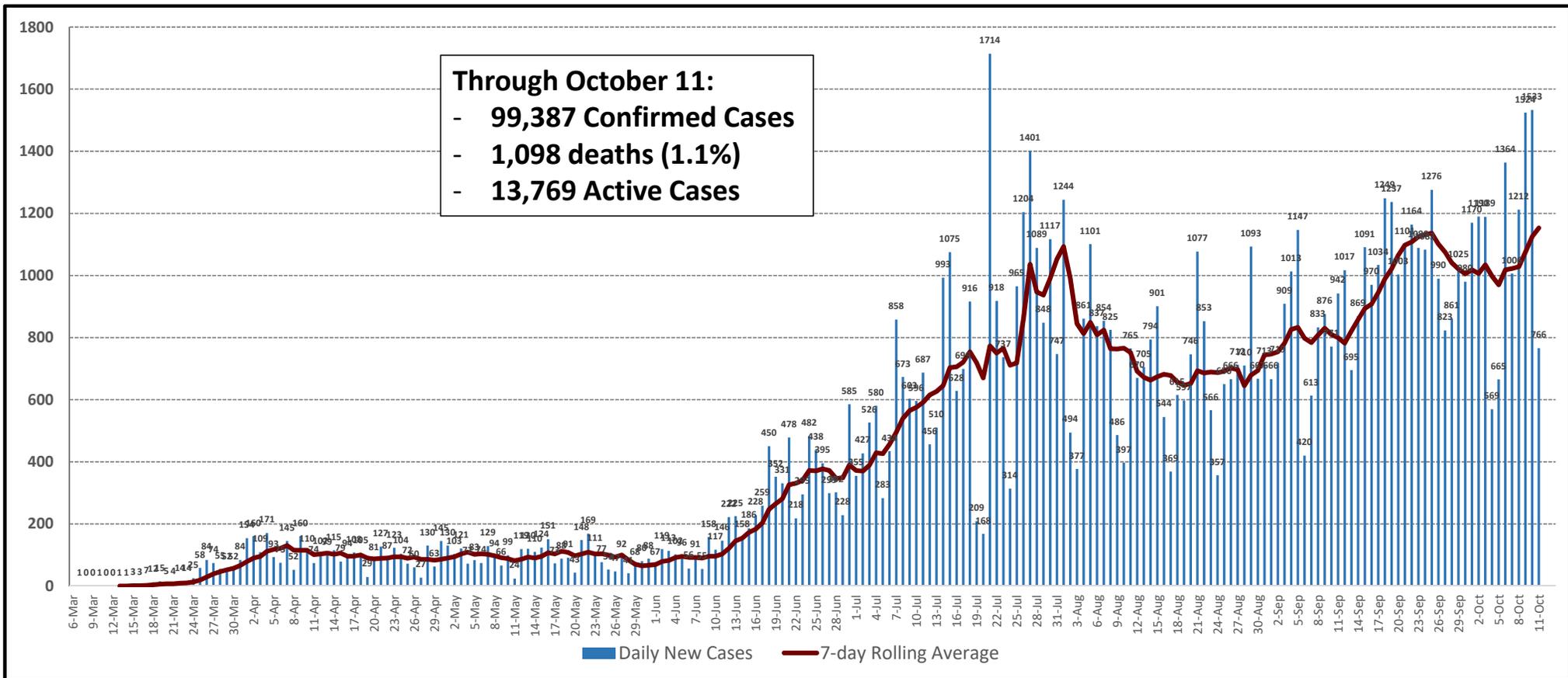
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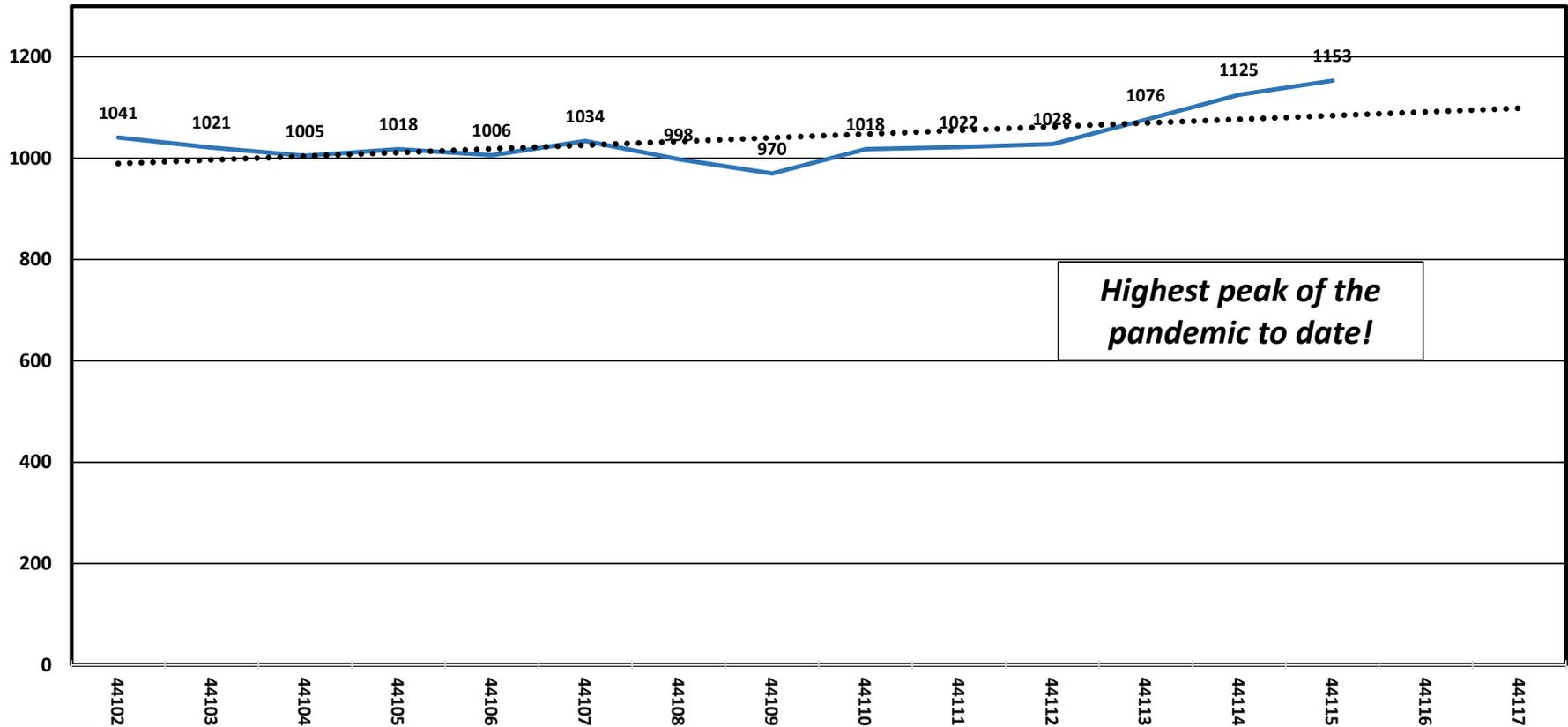
# Daily New Cases with 7-day Rolling Average

## Oklahoma



# Seven-day Rolling Average of New Cases

## Oklahoma – Last 14 days



**Highest peak of the pandemic to date!**

	Cumulative Cases	Cases in the Last 7 Days	Cases per 100,000 in last 7 days	Daily New Cases per 100,000 population over the past week
<b>Oklahoma</b>	<b>99,387</b>	<b>7,873</b>	<b>199</b>	<b>28.4</b>
<b>County:</b>				
Beckham	720	119	544	77.7
Jackson	943	110	448	64.0
Nowata	196	45	447	63.9
Seminole	624	105	433	61.9
Ottawa	1,047	132	424	60.6
Custer	917	119	410	58.6
Roger Mills	78	14	391	55.9
Okfuskee	203	46	384	54.9
Texas	1,673	73	365	52.1
Delaware	1,017	157	365	52.1
Murray	221	50	355	50.7
Harmon	59	9	339	48.4
Craig	572	47	332	47.4
Garfield	2,052	201	329	47.0
Kingfisher	445	49	311	44.4
Kiowa	117	27	310	44.3
Caddo	964	88	306	43.7
Atoka	360	42	305	43.6
Bryan	1,202	145	302	43.1
Pottawatomie	1,749	214	295	42.1
Cimarron	32	6	281	40.1

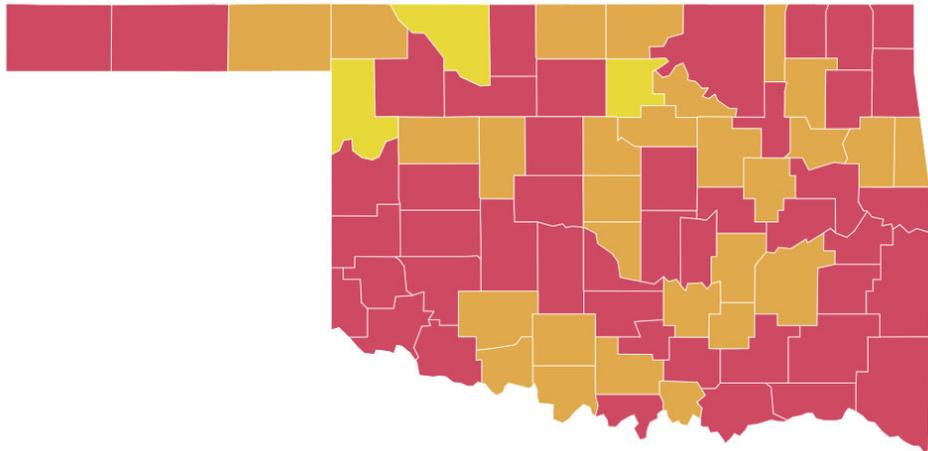
**Population incidence through October 11:**

**Oklahoma County – 24.0\***

**Tulsa County – 27.3\***

**Cleveland County – 26.0\***

**\*Daily New Cases per 100,000 population in the past week.**



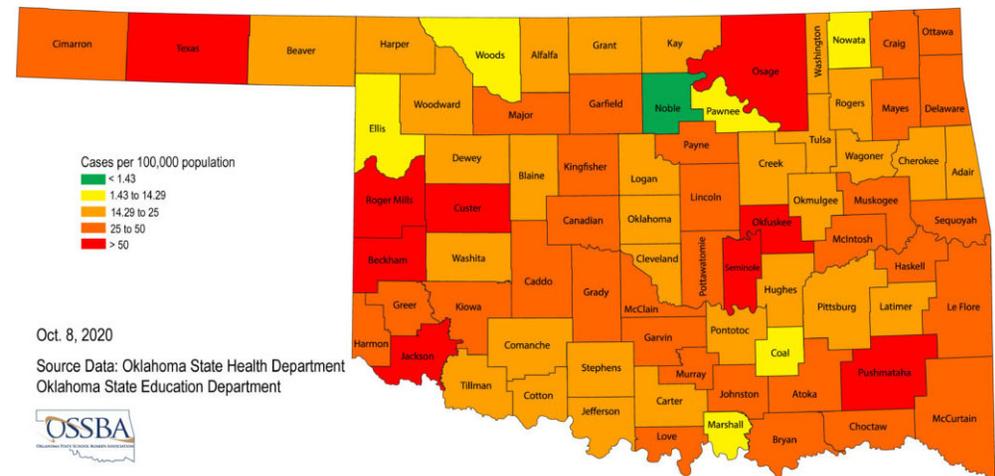
<b>Green</b>	< 1 case per 100,000 persons
<b>Yellow</b>	1-9 cases per 100,000 persons
<b>Orange</b>	10-24 cases per 100,000 persons
<b>Red</b>	>24 cases per 100,000 persons

Harvard Global Institute/Brown University  
<https://globalepidemics.org/key-metrics-for-covid-suppression/>

## COVID-19 is a rural disease now!

<b>Green</b>	< 1.43 case per 100,000 persons
<b>Yellow</b>	1.43-14.29 cases per 100,000 persons
<b>Orange 1</b>	14.29-24.99 cases per 100,000 persons
<b>Orange 2</b>	25-50 cases per 100,000 persons
<b>Red</b>	>50 cases per 100,000 persons

Oklahoma State School Boards Association



Oct. 8, 2020  
 Source Data: Oklahoma State Health Department  
 Oklahoma State Education Department



<https://www.ossba.org/resources/coronavirus/covid-19-map/>

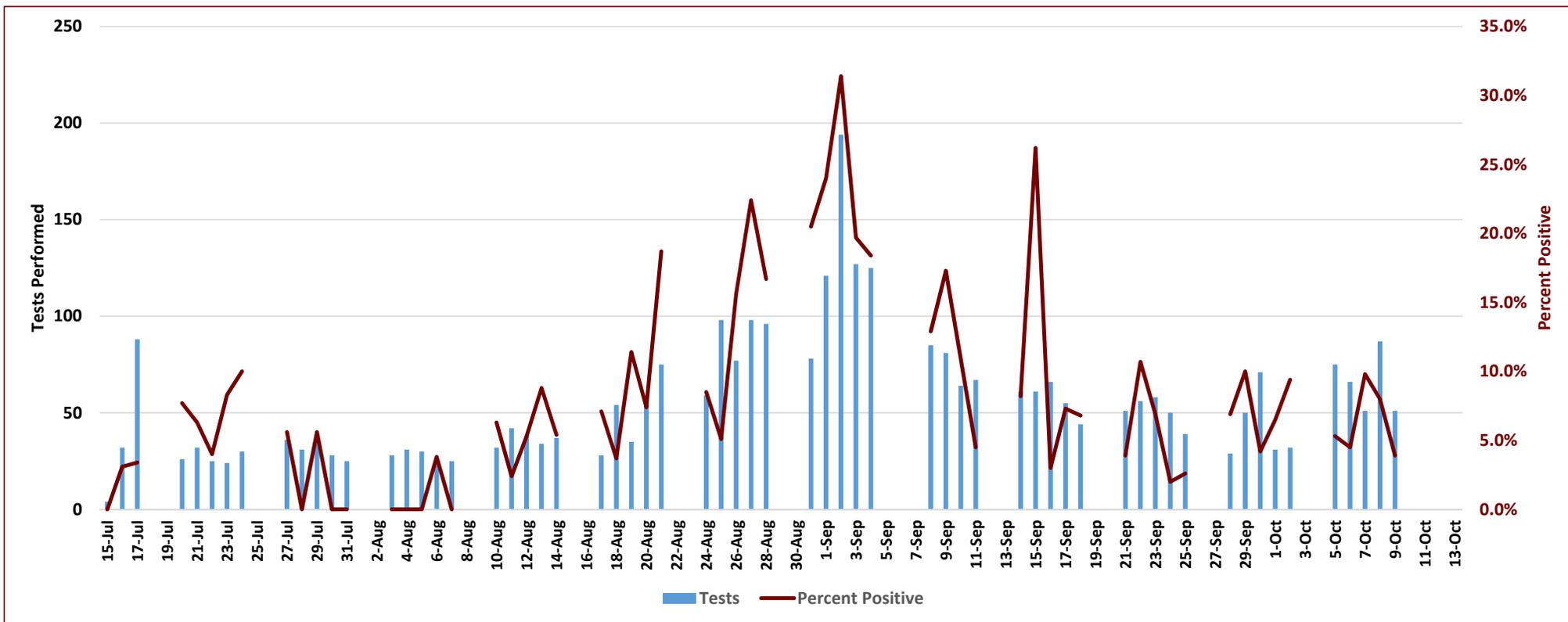
# How have we monitored through the Fall Semester?

- **Working under several assumptions –**
  - Students, staff, or faculty will acquire COVID-19 during the semester
  - No amount of screening can keep them out of the classroom
    - Remember that 40-45% of individuals who get this infection will have no symptoms and look just fine!
    - The classrooms and labs have to be safe
  - Some students will go off campus for testing, and may not report a positive test to the University as required
  - The riskiest aspect of campus life for virus transmission is residential housing, and off campus activities and events
  - Virus transmission occurs when people are close together and breath in the droplets/aerosols that come out of someone else's mouth
    - Masks have been clearly shown to mitigate this risk

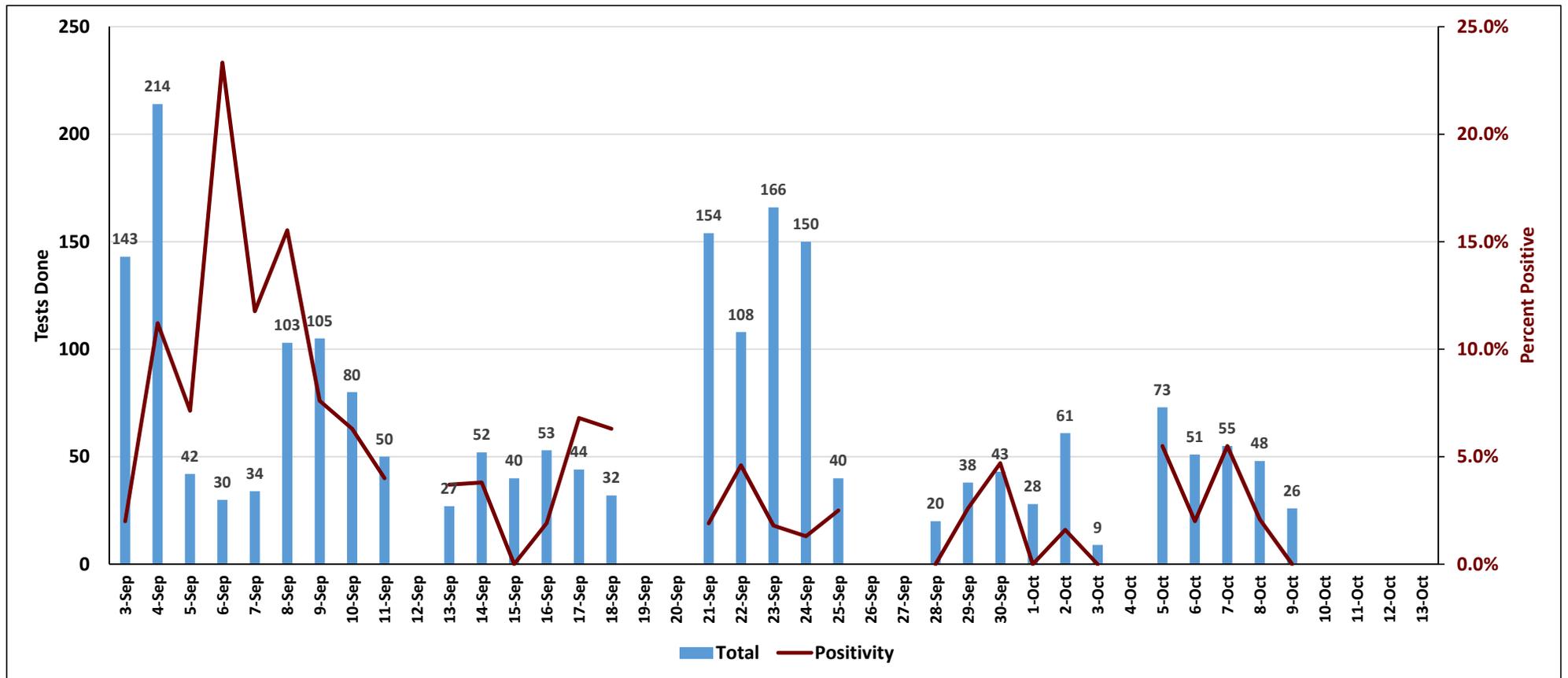
# Interventions to keep the classrooms and labs safe -

- At least 6 feet of physical distancing between students (large classes online)
- Mask mandate in all University facilities
- Revisions to HVAC systems (increased air exchanges and high efficiency filters)
- Enhanced disinfection/touchless devices
- Accommodate students who are in isolation or quarantine
- Isolation beds available

# Tests at Student Health Center and Percent Positive

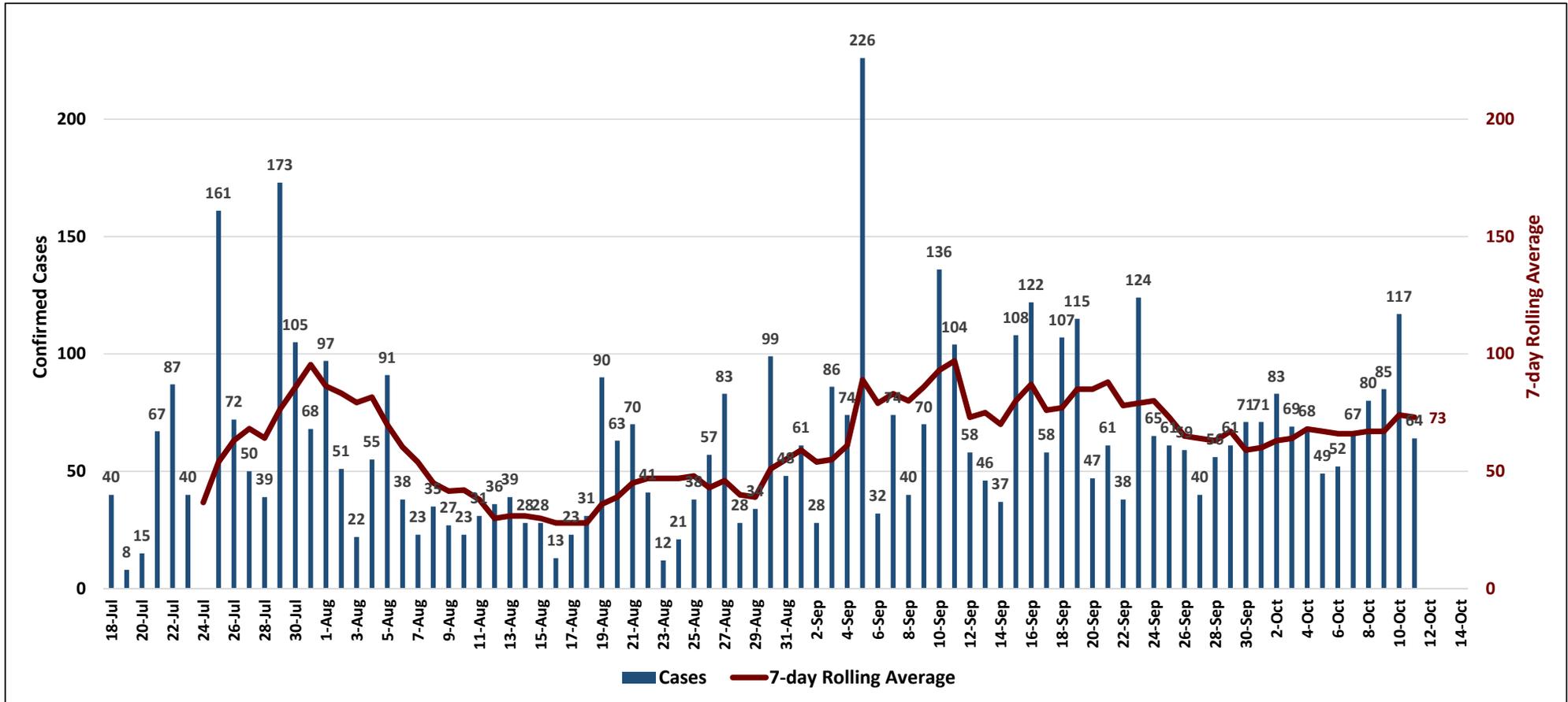


# Cate Voluntary Tests and Percent Positive

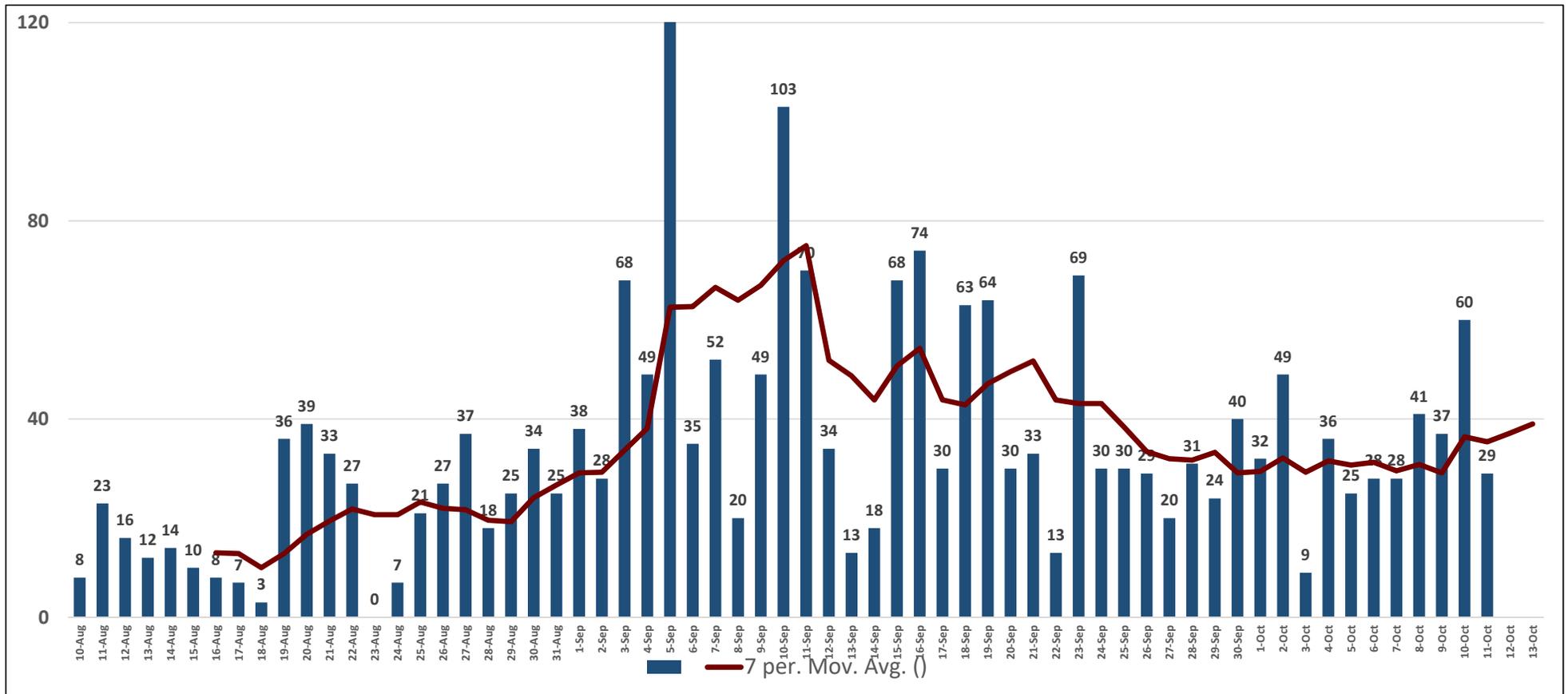


Enhanced random testing - September 21-24.

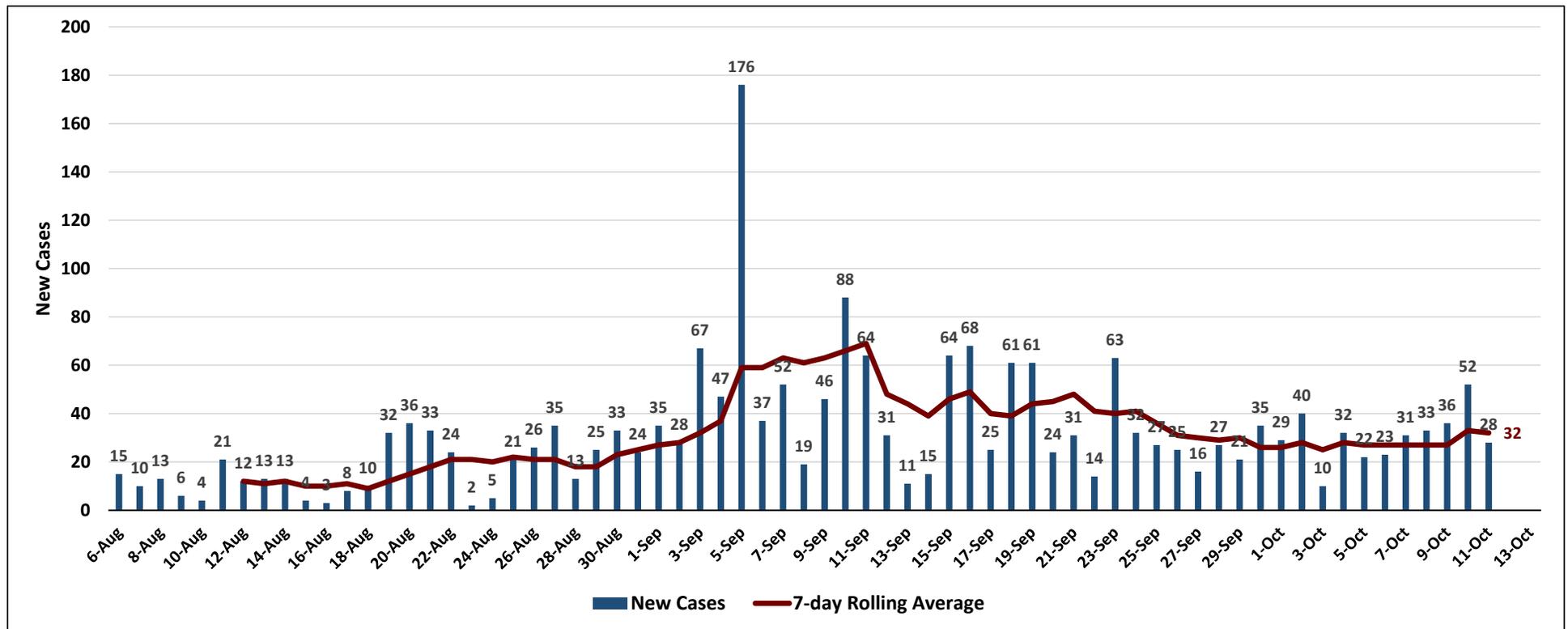
# Cleveland County Confirmed Cases and 7-day Rolling Average



# Norman Confirmed Cases and 7-day Rolling Average

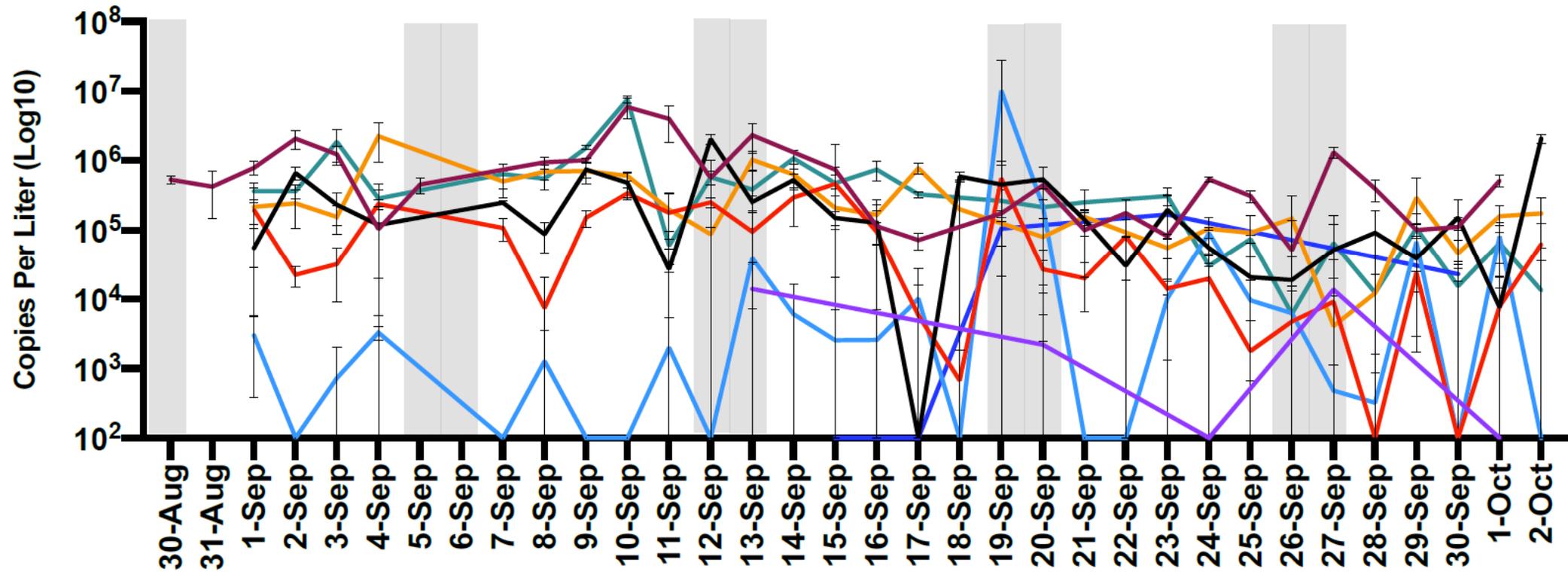


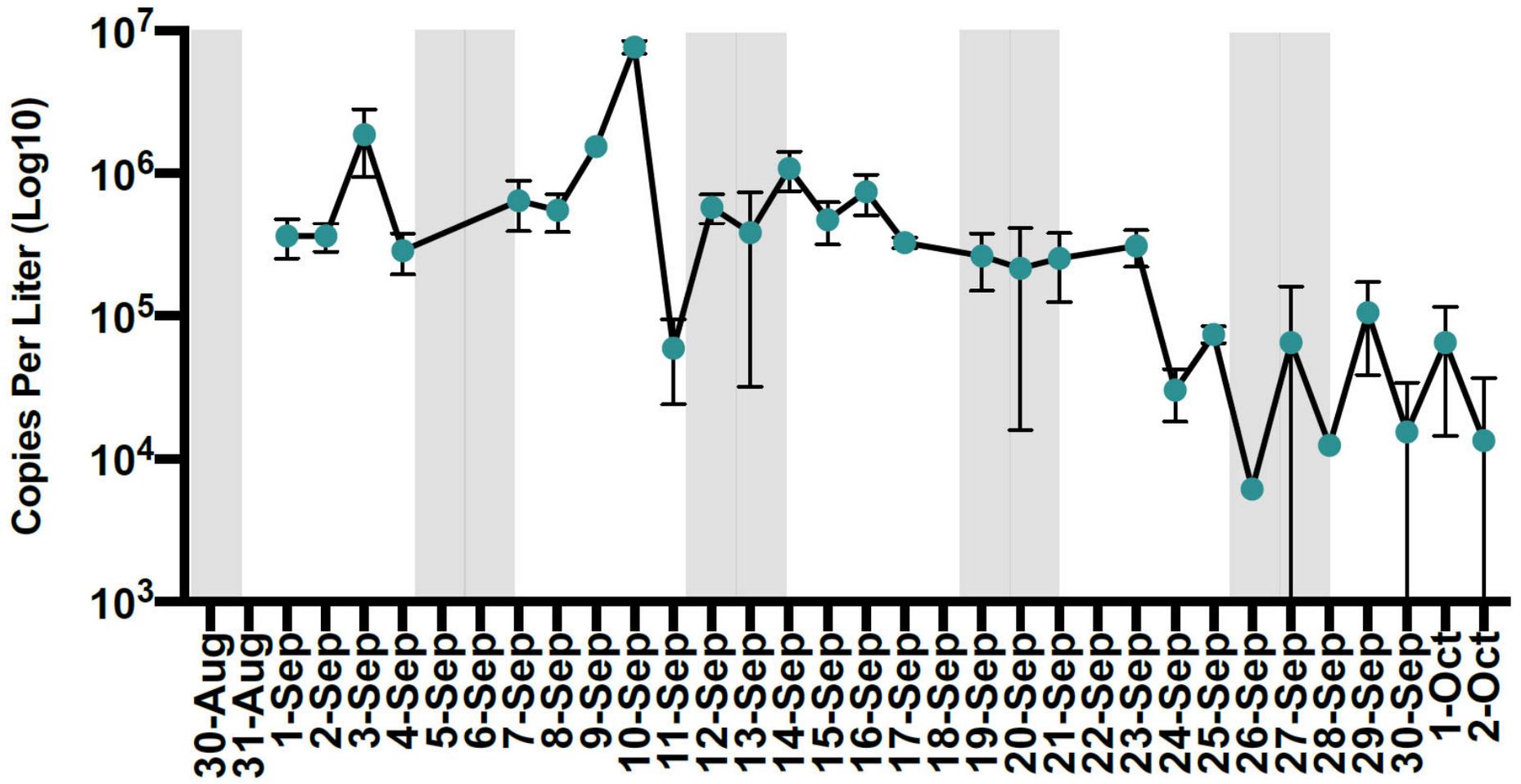
# Norman ZIP Codes (069, 071, 072) - Cases



# Wastewater Sampling – does not rely on student reporting!

## OU Dorms

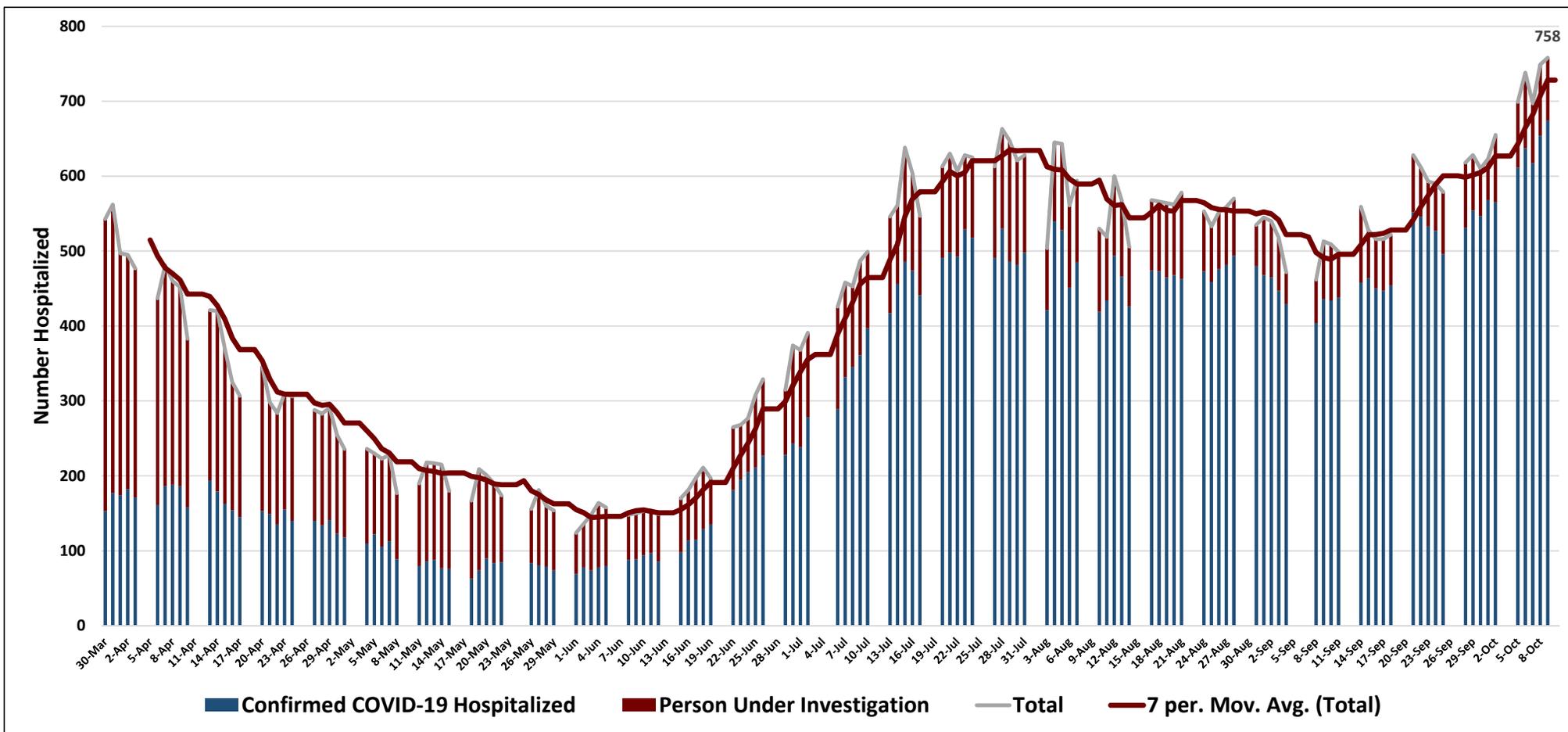




# Triggers to go remote

- Outbreaks, absenteeism (students and faculty)
  - Seeing a lot more absenteeism than we are cases
- Community impact – work closely with the Norman Emergency Operations Council which includes the Cleveland County Health Department
- Percent tests positive
- Hospital capacity – one of our biggest concerns now

# Total Hospitalizations – Confirmed and PUIs



Source: Oklahoma State Department of Health Executive Order Reports.  
Available at: <https://coronavirus.health.ok.gov/executive-order-reports>

# Final Thoughts

- Long discussions about Thanksgiving Break – what were the health implications?
  - Felt we would have a lot of students go home to communities where the population incidence is higher and where masks are not mandated
- A lot of discussion about testing strategies
  - Currently doing mostly voluntary testing but have done targeted random sampling
    - Should you test everyone?
    - We need a low-cost test that can be done frequently
    - Will likely require testing of residential housing before Spring semester
- How will vaccination be rolled out when available?