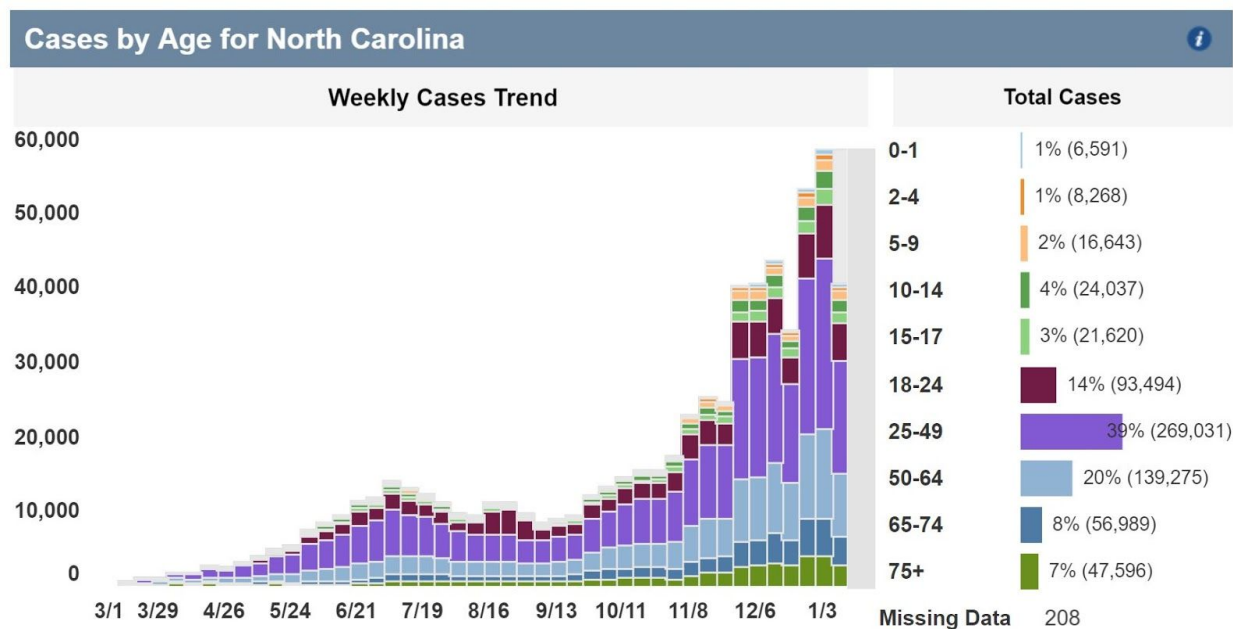


Covid-19 Alert Level Indicators and Thresholds

1. NC Covid Dashboard

<https://covid19.ncdhhs.gov/dashboard>

- Scroll down to see the interactive County Case Map (as of January 23, 2021, Wake County has 892 new cases per 100,000 residents and 413 deaths for the previous 14 days).
- Using the menu on the right, click on "[Cases Demographics](https://covid19.ncdhhs.gov/dashboard/cases-demographics)" (<https://covid19.ncdhhs.gov/dashboard/cases-demographics>) and scroll down to the 3rd graph to see the number of cases broken down by age (15-17 is the newest age range broken out and is very helpful for LSA).



2. CDC Risk of Transmission Table

<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/indicators.html#thresholds>

- At 892 new cases per 100,000 residents, Wake County is well above the >200 threshold for the category of Highest Risk of Transmission in Schools.

CDC indicators and thresholds for risk of introduction and transmission of COVID-19 in schools

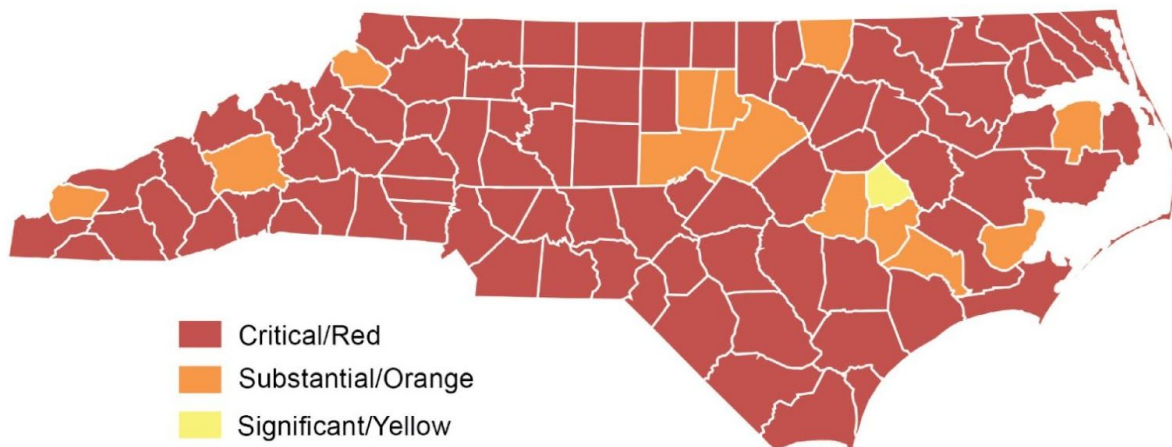
INDICATORS	Lowest risk of transmission in schools	Lower risk of transmission in schools	Moderate risk of transmission in schools	Higher risk of transmission in schools	Highest risk of transmission in schools
CORE INDICATORS					
Number of new cases per 100,000 persons within the last 14 days*	<5	5 to <20	20 to <50	50 to ≤ 200	>200

3. Harvard Global Health

<https://globalhealth.harvard.edu/path-to-zero-schools-achieving-pandemic-resilient-teaching-and-learning-spaces/>

- Scroll down to find the color-coded chart that explains why LSA, as a grades 9-12 school, is not a priority for re-opening when Wake County is at the Orange risk level (as of January 16, 2021, Wake County is in the Orange risk level <https://covid19.ncdhhs.gov/dashboard/county-alert-system>).

NC Counties by Tier: Data from January 3 through January 16, 2021



Covid Risk Level	Case Incidence	
Red	>25	daily new cases per 100,000 people
Orange	10<25	daily new cases per 100,000 people
Yellow	1<10	daily new cases per 100,000 people
Green	<1	daily new case per 100,000 people

As of January 23, 2021, [Wake County is at 61 new cases per 100,000 residents.](#)

Risk Levels	Strategy for Pandemic Resilient Teaching and Learning
Red	Stay-at-home orders in place; all learning remote for all learners; districts, states, and federal government invests in remote learning.
Orange	<p>1st priority for re-opening: Grades preK-5 and in-person special education services at grade levels preK-8 open if conditions for pandemic resilient teaching and learning spaces can be achieved at scale; districts, states, and federal government invest in healthy buildings and healthy classrooms; in the absence of conditions for pandemic resilient teaching and learning spaces, schools continue with remote learning.</p> <p>2nd priority for re-opening: Grades 6-8 and in-person special education services at grade levels 9-12 open if conditions for pandemic resilient teaching and learning spaces can be achieved at scale; districts, states, and federal government invest in healthy buildings and healthy classrooms; in the absence of conditions for pandemic resilient teaching and learning spaces, schools continue with remote learning.</p> <p>Not a priority for re-opening: Grades 9-12 maintain remote learning for all learners; districts, states, and federal government invest in remote learning.</p>
Yellow	<p>1st priority for re-opening: Grades preK-5 and in-person special education services at grade levels preK-8 open if conditions for pandemic resilient teaching and learning spaces can be achieved at scale; districts, states, and federal government invest in healthy buildings and healthy classrooms; in the absence of conditions for pandemic resilient teaching and learning spaces, schools continue with remote learning.</p> <p>2nd priority for re-opening: Grades 6-8 and in-person special education services at grade levels 9-12 open if conditions for pandemic resilient teaching and learning spaces can be achieved at scale; districts, states, and federal government invest in healthy buildings and healthy classrooms; in the absence of conditions for pandemic resilient teaching and learning spaces, schools continue with remote learning. In-person opportunities for special needs students at grade-levels preK-8 are also included.</p> <p>3rd priority for re-opening: If sufficient pandemic resilient learning space is available AFTER allocation to K-8, grades 9-12 open on a hybrid schedule, with only a subset of students on campus at any particular point of time to facilitate de-densification; districts, states, and federal government invest in healthy buildings and healthy classrooms AND in remote learning.</p>
Green	All schools open if conditions for pandemic resilient teaching and learning spaces can be achieved at scale; districts, states, and federal government invest in healthy buildings and healthy classrooms

4. LSA Covid-19 Decision Metrics

Covid 19 Value Score Metrics Formula

Plan A/B Formula

County Alert System + Harvard Global Health Metrics + CDC Positivity Rate (2) + LSA Stakeholder Data (2)

6

(**The formula below is used until the data is in a place to return to the building.)

County Alert System + Harvard Global Health Metrics + CDC Positivity Rate (2)

4

The formula combined with the stated key indicators of the COVID - 19 threat to the Longleaf School of the Arts school community will be used to determine the alert level and learning plan as the decision is made to make immediate adjustments throughout the pandemic.

	Normal Level Plans A and B	Alert Plan B	High Alert Plan C
Description	Identified Cases are rare and transmission controlled	Moderate number of cases with most from a known source	Many Cases including community spread with some undetected cases
Value	3	2	1
Covid-19 County Alert System: Wake County	Significant	Substantial	Critical
Harvard Global Health Metrics - daily new cases Per 100,000 residents	<1	1 to <10	10+
CDC Positivity Rate: 14 Day - cases per 100,000 residents	<5 to <20	20 to <50	50 to 200+
LSA Stakeholder Data: Percentage of students and staff in quarantine, symptomatic, or positive.	<3%	3% to 5%	>5%

LSA Covid-19 Scale for Metrics Formula

Instructional Plan	Value Score	Mitigating Factors
Plan A (In-Person Instruction)	3	State approval, 95% staff availability
Plan B (Blended Instruction)	1.26 - 2.9	State approval, 80% staff availability
Plan C (Remote Instruction)	<1.25	N/A

January 23, 2021 Formula Example:

County Alert System (Wake County--Orange): **Substantial** = 2

Harvard Global Health Metrics (daily new cases per 100,000 residents): **61** = 1

CDC Positivity Rate (14 day cases per 100,000 residents): **892** = 1

$$[2 + 1 + 1(\times 2)] / 4 = 5 / 4 = \mathbf{1.25} = \mathbf{Plan\ C}$$

Two likely ways to move from Plan C to Plan B would be:

1. The CDC Positivity Rate would need to fall to less than 50 (currently **892**).
OR
2. Harvard Global Health Metrics would need to fall below 10 (currently **61**)
AND the County Alert System (Wake County) would need to remain below the Critical level.