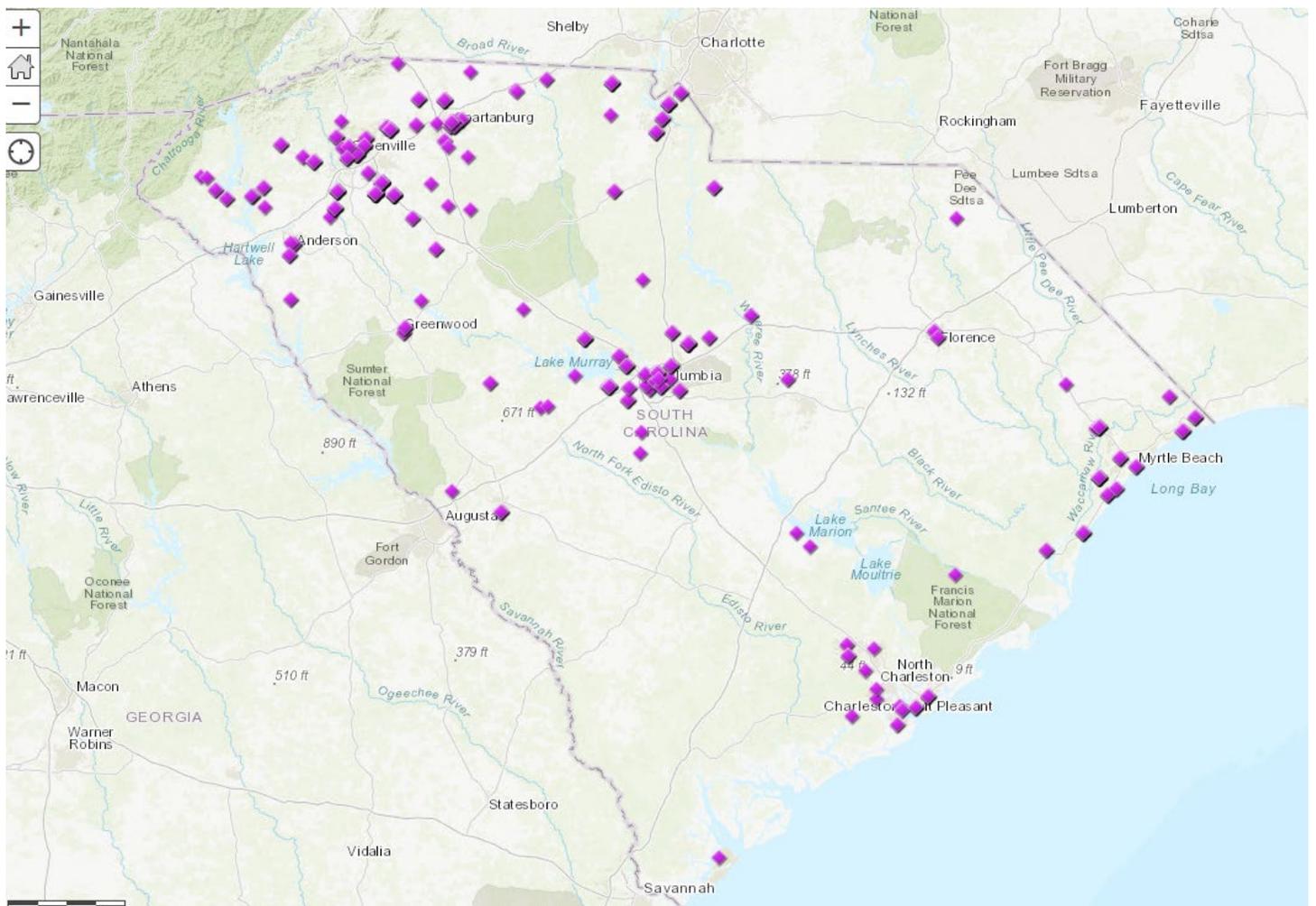


SC STRONG: South Carolina Sampling and Testing Representative Outreach for Novel coronavirus Guidance
Cohort 1: November 2020

1. Participation and Activity

1A. Study participation- From November 4 to December 31, 2020, a total 691 residents completed a viral test, 684 completed an antibody test, and 358 completed at least one test and a matched health survey. A response rate of 2.2% was noted, from an original 32,500 initially selected participants. Support and efforts to enroll participants were successful. The project phone bank received 886 emails and voicemails. A 24 to 48 hour turnaround response time was achieved by 7 dedicated UofSC project staff. Primary project contact requests were: 60% of calls related to participants seeking testing sites near them, 10% reporting having trouble making appointments at participating study sites, 15% wanting to take the survey by phone, 5% general questions about the project, 5% concerns that the letter was incorrectly addressed, and 5% other miscellaneous concerns. Additionally, three weekly email chatbot messages were sent in the month of November in an effort to re-engage participants beyond their original mailed invitation letter and to help streamline potential concerns. In total 5,757 unique emails were valid and received outreach messages. These messages resulted in 74 unique responses from selected participants. Approximately 30% indicated they had not received the original hardcopy mail and were mailed new letters after updating their address. An additional 18% responded stating that they did not have any testing locations near them but were interested. Lastly, 23% requested a callback from someone at the hotline to help answer their individual concerns.

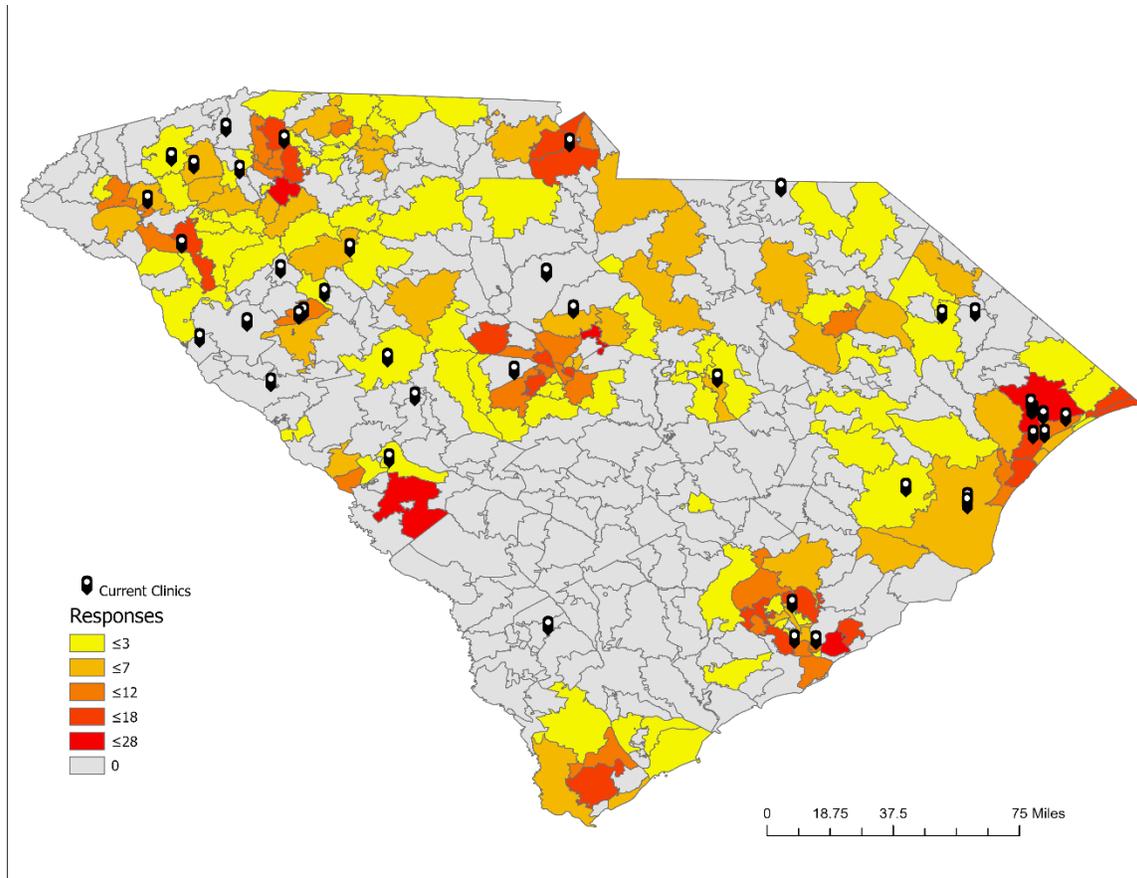
1B. Participant originating locations – Participants originated from a variety of zipcodes, dispersed across the state. Purple diagonals represent a zipcode that had at least one participant in the SC Strong Cohort 1, with most participants originated from the four major metropolitan regions. Low clinic participation in Cohort 1 impacted participation.



2. Survey Results

2A. Survey response activity- Over a three-week period, a total of 1,139 unique persons participated in the online health survey. Survey respondents originated from various zipcodes across the state, with several originating from areas with no available nearby clinic.

Figure 1: Red gradient highlights zipcodes of survey respondents



2B. Survey Response Summary: To date, the majority of survey respondents have been older than 50 years, with household yearly income over \$50,000. Approximately 33% (363/1102) of respondents had previously been tested for SARS-CoV-2 with 11% (39/363) of respondents ever testing positive. Of those testing positive, participants last positive test results were between May and November. Most sought testing due to the onset of coronavirus-like symptoms (34%, N=125/363) or due to being a close contact of someone who tested positive (27%, N=96/363). Most respondents (65%, N=235/363) had previously been tested at a community pop-up site. Of the approximately 8% (90/1103) survey respondents who had previously been tested for SARS-CoV-2 antibodies, 4% (4/90) tested positive. The majority of survey participants cited being either ‘A little concerned’ or ‘Concerned’ about themselves or a member of their household becoming infected (66%, N=78/1085), and nearly one quarter of respondents cited being ‘Very concerned’ about someone in their household acquiring the virus (25%, N=267/1085). Nearly half of respondents (47%, N=483/1019) had or have a close contact who has tested positive for the infection.

Question	Selections	Responses
Have you ever been tested for active coronavirus infection?	Yes	363 /1102(33%)
<i>Have you ever tested positive?</i>	Yes	39/363 (11%)
<i>Why did you seek testing?</i>	<i>Close contact tested positive</i>	<i>96/363 (26%)</i>
	<i>Concern due high cases in community</i>	<i>61/363 (17%)</i>
	<i>Had symptoms</i>	<i>125/363 (34%)</i>
	<i>Curious</i>	<i>67/363 (18%)</i>

Have you ever been tested for coronavirus antibodies?	Yes	90/1103 (8%)
Have you ever tested positive for antibodies?	Yes	4/90 (4%)
How concerned are you about yourself or someone in your household getting infected?	Not concerned	100/1085 (9%)
	A little concerned or Concerned	718/1085 (66%)
	Very concerned	267/1085 (25%)
Have any close friends or family had or have COVID-19?	Yes	483/1019 (47%)
Are you one of the following:	Front-line medical care worker	55/1139 (5%)
	Essential worker	193/1139 (17%)

Demographic Indicator	Selections	Responses
Age	<18	34/1066 (3%)
	18-29	22/1066 (2%)
	30-39	60/1066 (5%)
	40-49	139/1066 (13%)
	50-59	219/1066 (20%)
	60-69	326/1066 (30%)
	70+	266/1066 (25%)
Gender	Female	619/1062 (58%)
	Male	442/1062 (42%)
	Non-binary/Third gender	1/1062 (0.09%)
Household income last year	< \$15,000	126/855 (15%)
	\$15,000 - \$49,999	102/855 (12%)
	\$50,000 - \$74,999	160/855 (19%)
	\$75,000 - \$99,999	156/855 (18%)
	\$100,000 - \$150,000+	311/855 (36%)

3. Viral and Serologic Results:

3A: Viral and Antibody tests completed-From November 4 to December 31, 2020, a total of 698 participants completed either a viral or antibody test. Of this cohort, 2.46% (17 out of 691) were positive by PCR, 9.80% 67/684 were antibody positive.

4. Disclaimer-This preliminary report is subject to change. The conclusions, findings, and opinions expressed by authors contributing to this report do not necessarily reflect the official position of the U.S. Department of Health and Human Services, the South Carolina Department of Health and Environmental Control or the authors' affiliated institutions.

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