

SCAN COVID-19 Situation Report Friday May 1, 2020

A report on King County community COVID-19 testing from the Greater Seattle Coronavirus Assessment Network (SCAN)

1. What is SCAN?

SCAN is a disease surveillance platform for SARS-CoV-2 infection in King County designed to help public health officials better understand the COVID-19 outbreak with the help of volunteers who self-collect nasal swabs. More information about SCAN is available at the [SCAN website](#). Please also see our recent [technical report](#) for more detailed information on SCAN data and methodology.

2. What's new this week?

- For the most recent data period, from April 16, 2020 to April 21, 2020, we estimate community prevalence was between 7 in 10,000 and 41 in 10,000. This equates to **between 2 and 9 thousand active infections in the community**.
- We are seeking more participation from kids and teens, whether they have symptoms or not, as well as from residents of South King county.

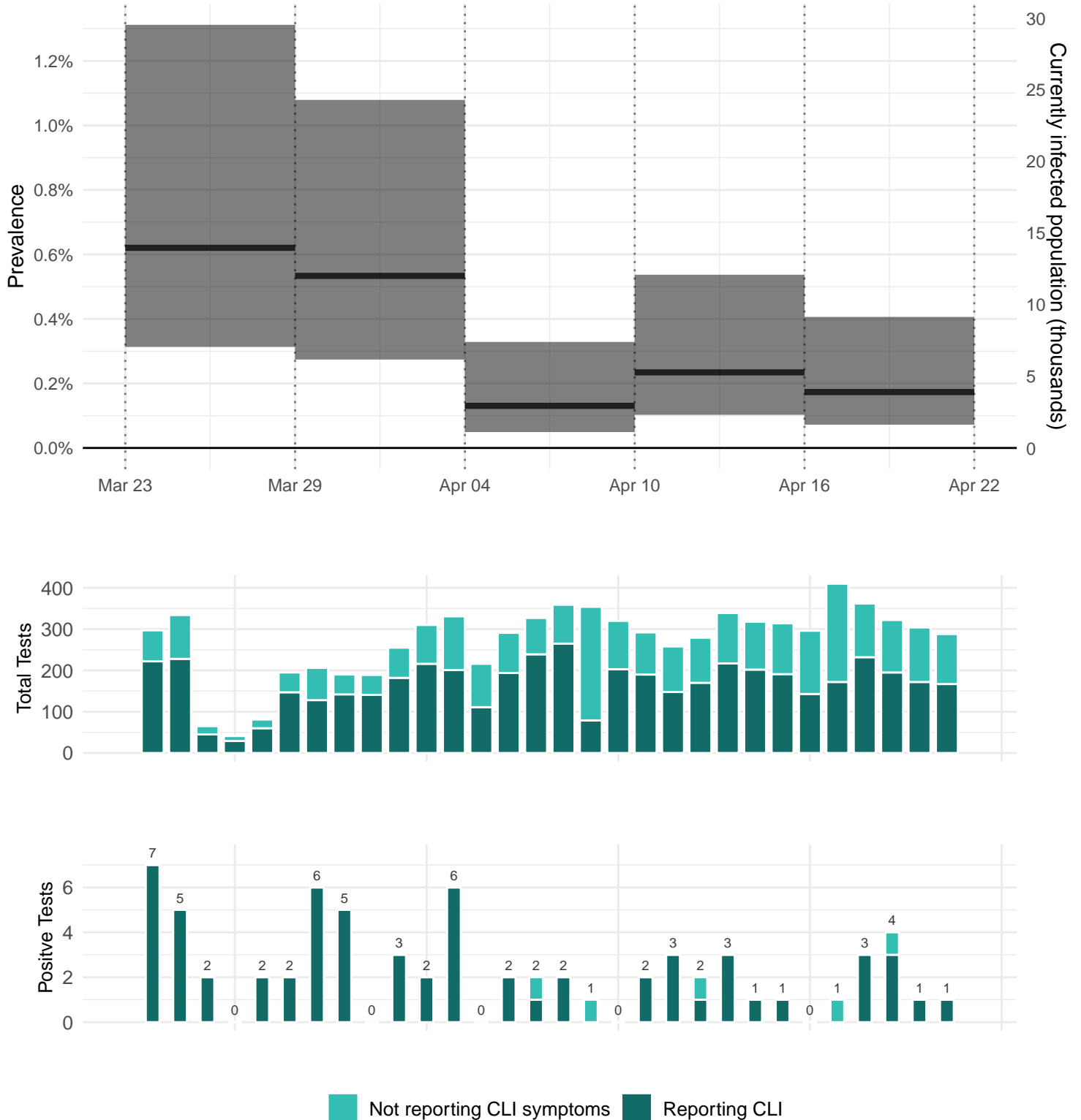
Data Notes

- The results in this report are current as of Sunday April 26th, 2020. SCAN community sampling began March 23th, 2020.
- Respondents in the SCAN community sample are screened into one of two groups based on whether or not they report covid-like illness (CLI) symptoms. Currently, to distinguish these groups, the screener asks: "In the past week, have you been sick with a new fever, a new or worsening cough, or a new or worsening shortness of breath?". We note that some respondents who screened in without CLI symptoms later reported some CLI symptoms individually in the illness questionnaire, while some respondents who screened into the group reporting CLI did not report any CLI symptoms individually in the illness questionnaire. We will explore this further in our next technical report.
- In addition, direct enrollment is now available for participants with priority codes. We have classified these participants into the self-report CLI group if they reported any of the three primary CLI symptoms (cough, fever, shortness of breath) in an illness questionnaire. If they reported none of these symptoms, we classified them as not reporting CLI. SCAN has completed 48 tests from samples enrolled with priority codes, with 1 returning a positive result.
- Since March 23 SCAN has tested 5194 samples from respondents with self-reported CLI symptoms and 3249 samples from respondents without CLI symptoms reported.

Our Network Partners

3. How has community prevalence changed since March 23?

The figure below shows the number of completed tests and positive results by sample collection date since SCAN launch on Monday 23 March, 2020. The top figure shows our estimate of community prevalence; please see our recent [technical report](#) for detailed information on how to best interpret our prevalence estimates. Grey boxes represent 95% confidence intervals of the prevalence estimates.



4. How do test results break down by demographics?

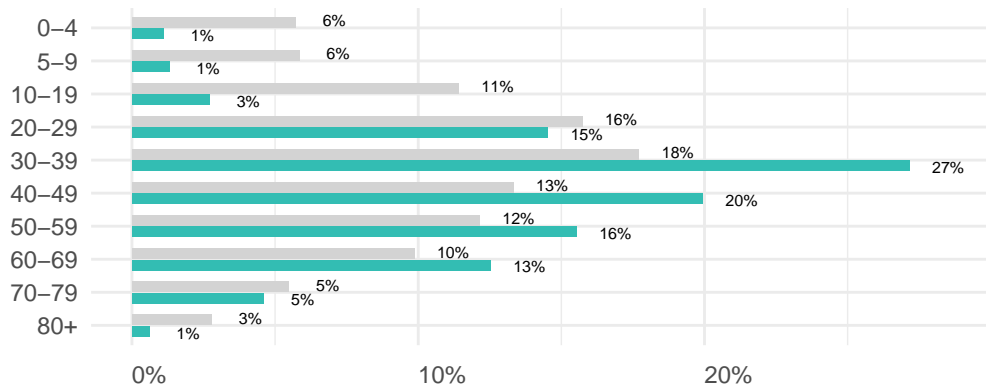
The table below summarizes test results for SCAN community samples for participants reporting CLI symptoms and for those not reporting CLI symptoms enrolled since March 23 by age, sex, and race and ethnicity. We also list the individual symptoms reported by respondents in an illness questionnaire.

	Reporting CLI symptoms			Not reporting CLI symptoms		
	Tests	Positives	Positive %	Tests	Positives	Positive %
All						
all	5194	67	1.3%	3249	5	0.2%
Sex						
Female	2842	36	1.3%	1799	3	0.2%
Male	2331	30	1.3%	1444	2	0.1%
Other	3	0	0%	0	0	-
Unknown	18	1	5.6%	6	0	0%
Age Group						
0-4	61	1	1.6%	20	0	0%
5-9	75	0	0%	31	0	0%
10-19	133	2	1.5%	69	0	0%
20-29	781	17	2.2%	415	0	0%
30-39	1558	10	0.6%	821	2	0.2%
40-49	1106	12	1.1%	648	2	0.3%
50-59	782	10	1.3%	549	1	0.2%
60-69	504	11	2.2%	493	0	0%
70-79	162	2	1.2%	184	0	0%
80+	29	2	6.9%	19	0	0%
unknown	3	0	0%	0	0	-
Race and Ethnicity						
Amer. Indian or Alaska Native	26	0	0%	13	0	0%
Asian, not Hispanic	1041	11	1.1%	415	1	0.2%
Black, not Hispanic	130	1	0.8%	37	0	0%
Hispanic or Latino, any Race	342	9	2.6%	167	1	0.6%
Native Hawaiian or Pacific Islander	37	0	0%	11	0	0%
Other or multi-racial, not Hispanic	291	3	1%	155	1	0.6%
White, not Hispanic	3212	42	1.3%	2401	2	0.1%
missing	115	1	0.9%	50	0	0%
Symptoms						
Chills or Shivering	1033	25	2.4%	63	3	4.8%
Cough	3235	45	1.4%	269	2	0.7%
Diarrhea	930	22	2.4%	171	0	0%
Ear pain or ear discharge	437	5	1.1%	76	0	0%
Fatigue	2767	41	1.5%	447	3	0.7%
Feeling feverish	1545	38	2.5%	55	0	0%
Headaches	2451	35	1.4%	488	4	0.8%
Increased trouble Breathing	1254	9	0.7%	61	0	0%
Muscle or body muscle aches	1720	37	2.2%	223	3	1.3%
Nausea or Vomiting	526	9	1.7%	72	0	0%
Rash	123	0	0%	39	0	0%
Runny or stuffy nose	2274	34	1.5%	672	2	0.3%
Sore throat	2580	33	1.3%	503	1	0.2%
Sweats	800	17	2.1%	62	2	3.2%
Eye Pain	200	3	1.5%	32	0	0%
missing	271	3	1.1%	2068	0	0%

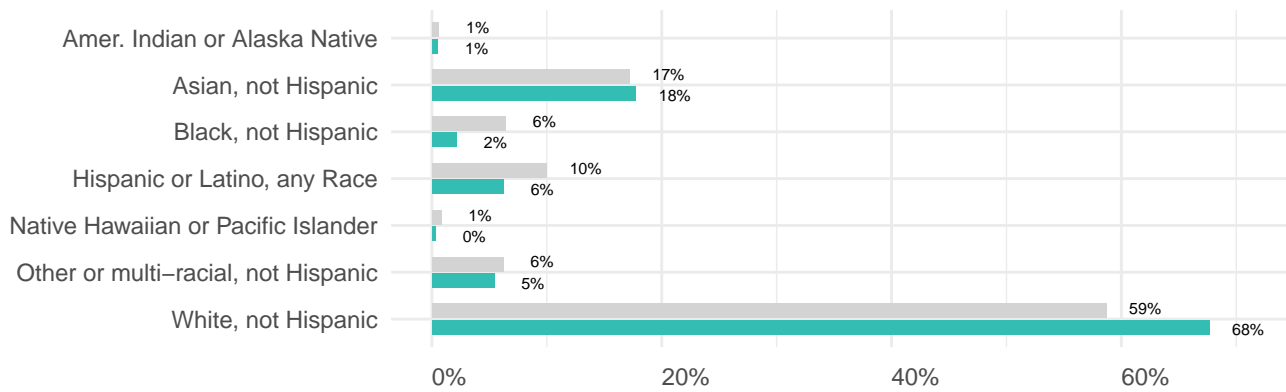
5. How representative are recent SCAN participants of the general King County population?

The figures below compare the distribution of SCAN community samples across sex, age, income, and race and ethnicity groups to the King County population, for data collected since April 9th.

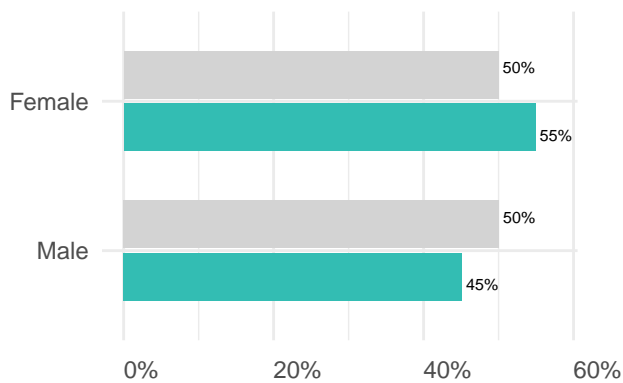
Age Group



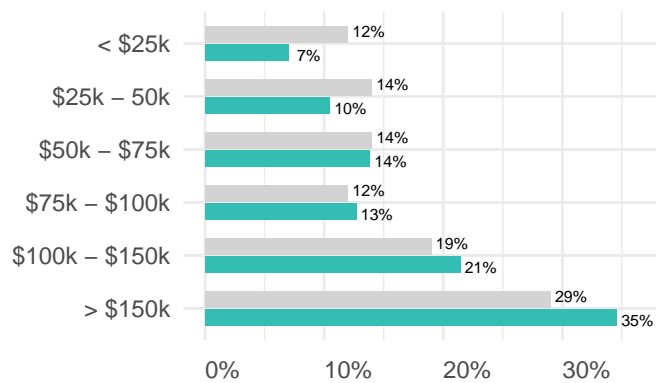
Race and Ethnicity



Sex



Income



King County Population
 SCAN Samples