S2 Figure. Sampling process

Californians are laboratory tested for SARS-CoV-2 infection daily

Local health juristictions (n=61) mandatory report results to California Reportable Diseases Information Exchange (CalREDIE)

Call list generation

Randomly ordered call lists of potential participants generated every 48 hours for each multi-county region.*

Each regional call list contains all potential case participants for that region and 30 or more potential control participants matched to each potential case participant by age group, birth sex, and region.

* See Supplement **Figure S1** for map of multi-county study regions

Assignment of call lists

Randomized assignment of regional call lists to interviewers each day. Person-hours assigned to each of the nine study regions are balanced across each week.

Alternating sexes assigned each day of the week to balance sampling across birth sexes.

Enrollment of case-control pairs

Calls placed between 8am-9pm, every day of the week using a web-based phone number (soft phone). Local area codes used to improve probability of picking up the phone and protect interviewer privacy.

Calls begin with first **case** listed in the randomly ordered call list.

Answers the phone. If minor, a legal guardian is requested

Does not answer the phone

Indicates no time to talk

Does not give informed consent

Process of recruitment repeated with a matched **control** until a case-control pair successfully enrolled

Gives informed consent

Eligibility criteria not met

Eligibility criteria met

Early termination of survey unrelated to eligibilty

Successful completion of survey