Environmental Monitoring

Environmental monitoring (regularly testing wastewater, indoor air, and certain surfaces) for the presence of the virus that causes COVID-19 serves as a double-check to ensure that everyday protocols (e.g. face coverings, physical distancing) are working, and as an early warning system to preempt spread.



WASTEWATER MONITORING WITHIN THE CITY

Wastewater testing monitors for the presence of the virus that causes COVID-19 to identify infection trends across the city, and act as an early warning system to identify if any new variants are present.



The virus that causes COVID-19 can be found in stool and urine including from people who have not yet experienced symptoms (pre-symptomatic) or will not experience symptoms (asymptomatic) of COVID-19.



Samples are collected bi-weekly from wastewater collection points across the



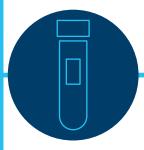
Samples are tested for SARS-CoV-2, the virus that causes COVID-19, at a UC Davis research lab.



Limited or no presence of virus indicates low levels of COVID-19 in a region of the city.



Elevated levels indicate a spike in infections, and action can be taken to reduce the spread of the virus.



If an individual tests positive for COVID-19. they are provided support.



Quarantine support

- Housing
- Food

AIR FILTER AND SURFACE TESTING IN SCHOOLS

Air filter and surface sampling monitor if the virus has been present in a building or room.



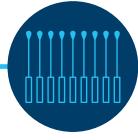
In Davis, every classroom has been fitted with portable HFPA filters



These units force air through Samples can be easily a fine mesh filter that collects collected from the air filters the air, including COVID-19.



and traps particles present in and from surfaces within the classroom.



Air filter and surface swab Davis research lab. Limited or no presence of virus indicates everyday protocols (face coverings, indoor ventilation) are working.



A positive test means samples are processed at a UC COVID-19 has been present in a classroom, and school officials can quickly respond.