

Antibody Testing at Ciao Corona Schools



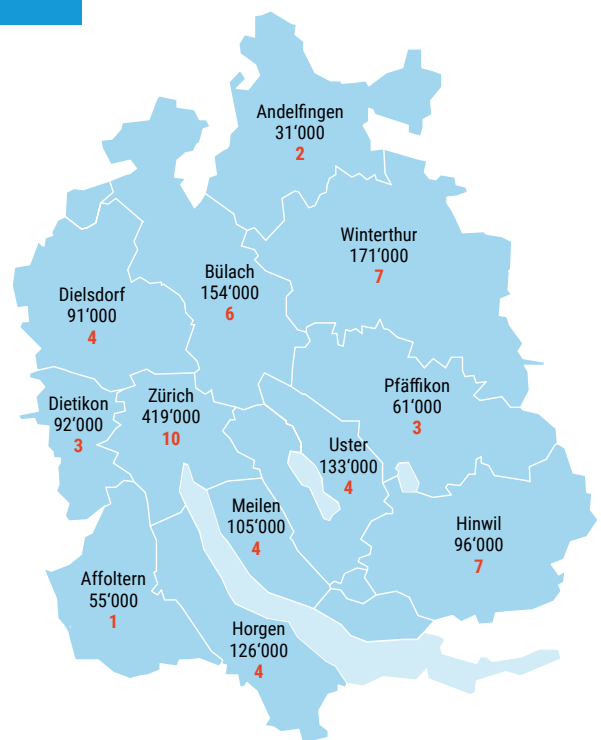
The Ciao Corona study, initiated by researchers at the University of Zurich, investigates the development of antibodies against the new coronavirus (=immunity) in schoolchildren using a longitudinal study design. Detailed information about the study: ciao-corona.ch

Canton of Zurich ▶

Total population in the districts and number of participating schools (red) within a district.

Participants & collaborators

- 55 Schools
- 275 classes
- 2'831 School children (age 6-16 y.)
- 757 Lower grades (1-3)
- 880 Middle grades (4-6)
- 915 Upper grades (7-9)



Clustering of seropositive school children in classes

There were only few clusters of seropositive school children in classes. In 7 (red) out of 130 classes (blue) ≥ 3 schoolchildren had coronavirus antibodies.

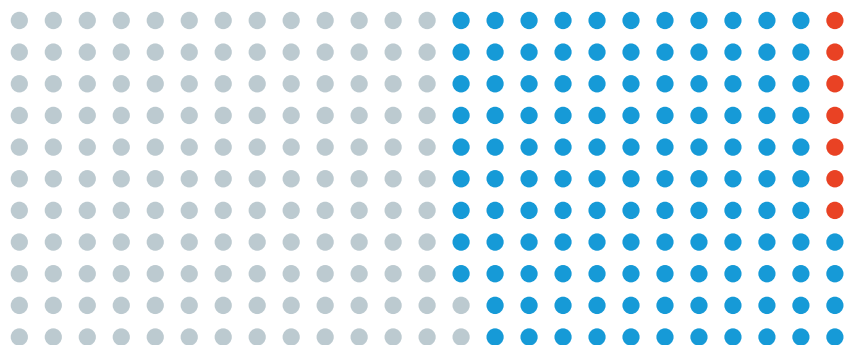
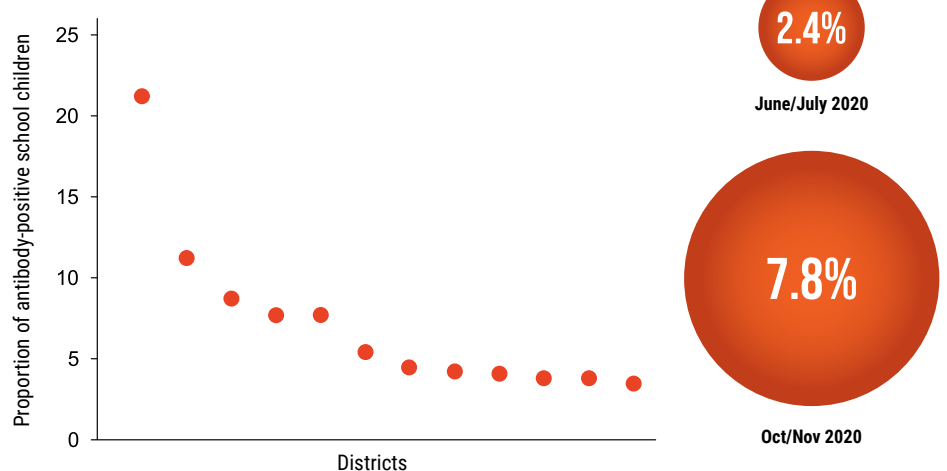


Figure: Overview of 275 participating classes in the canton of Zurich, Switzerland
grey: low participation rate, blue: high participation rate

Positive antibodies among schoolchildren

High variation of antibody-positive school children among districts (4 to 21%). Significant increase in antibody-positive schoolchildren between summer and autumn 2020.



Details about symptoms:

Neither in summer nor fall, there was a difference in self-reported symptoms between children who were seropositive or seronegative.