



Corona Immunitas and associated studies

Swiss TPH Virtual Event Series 2022:

Cohorts and Long-Term Partnerships in Science

September 8, 2022, 10:30-12:00

Milo Puhan, MD, PhD, Prof. Epidemiology & Public Health, University of Zurich





Switzerland wide program to assess the spread and impact of the pandemic



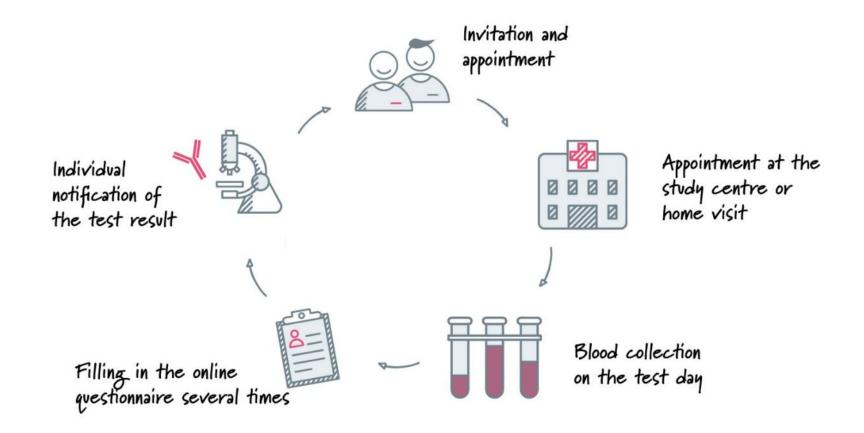








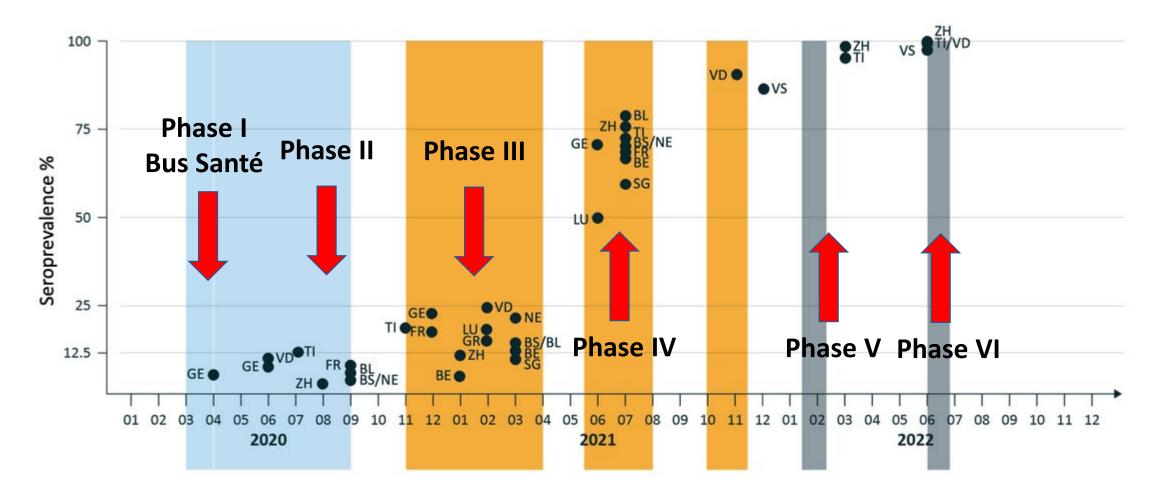
Key principles: Core protocol, maximise synergisms







Increase in seroprevalence (% with antibodies) until July 2022 in 20 to 64 year olds







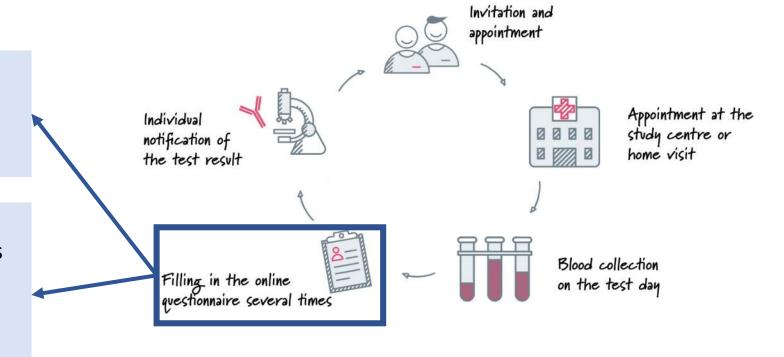
Corona Immunitas Digital Cohort – monitoring population behaviour during the pandemic

Weekly surveys (short):

- Onset of symptoms
- Covid-19 tests
- Adherence to preventive measures

Monthly surveys (more extensive):

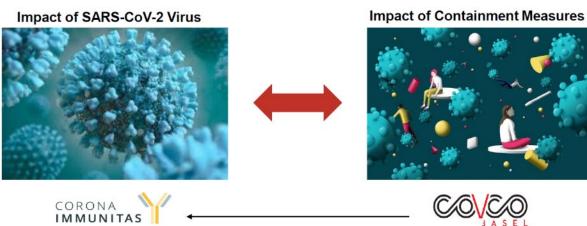
- Perception of health, economic, societal risks
- Mental health, feelings of loneliness
- Use of SwissCovid app
- Vaccination/vaccine hesitancy



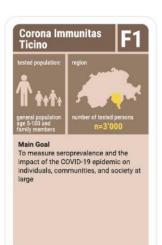


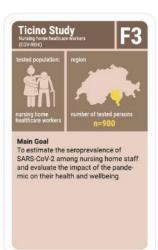


Opportunities for additional studies

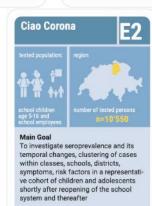


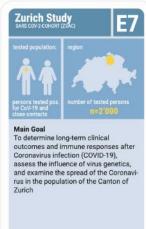








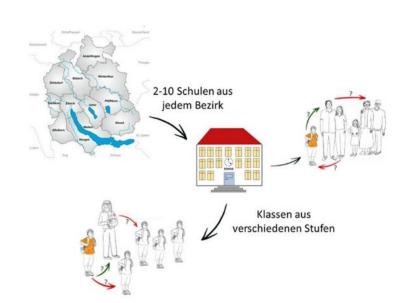








Ciao Corona – Prospective school based cohort study since June 2020



55 schools 275 classes, 2500 children



all children (red) or only non-vaccinated children (blue)

all children

3-11 years

12-15 years

Ciao Corona

Jun/Jul 2020 Oct/Nov 2020

Mar 2021

Nov/Dec 2021

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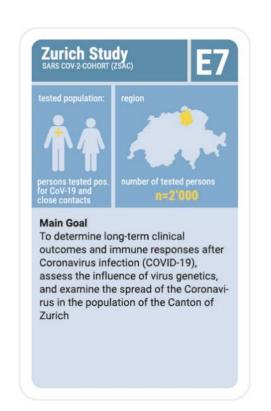
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www.ciao-corona.ch



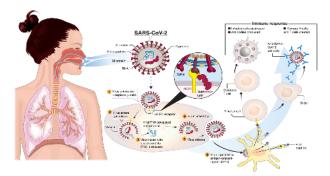


Zurich Coronavirus Cohort Study (ZSAC)





Development immune reaction Isolation & Quarantine



Evaluation Contact tracing and Swiss Covid App











Long Covid – the opportunity to systematically study post viral syndromes

Emerges in pandemics and clinical practice but difficult to study until...

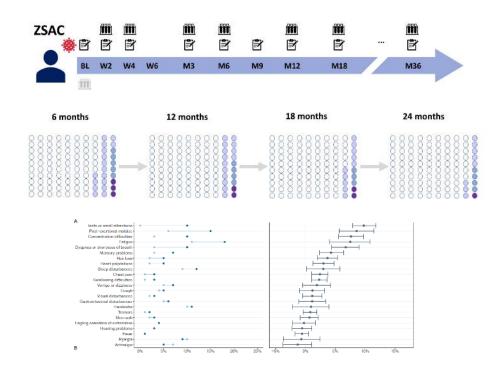








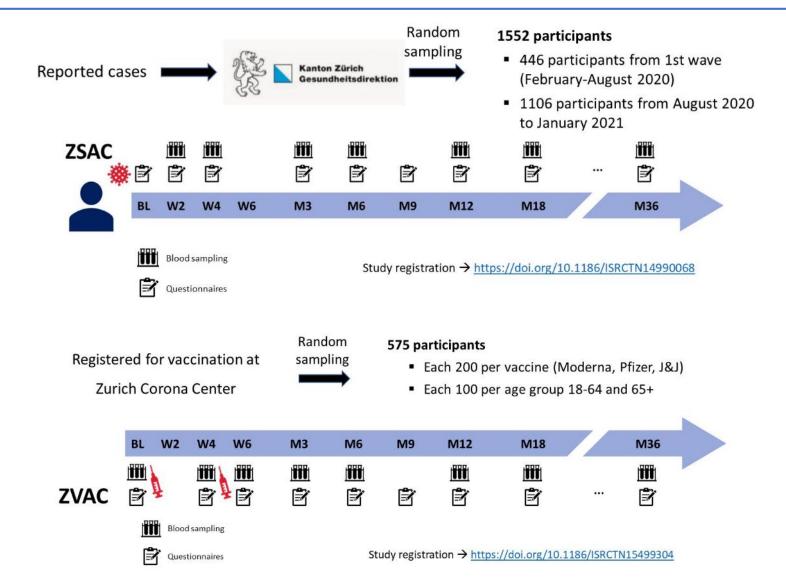
... the Corona virus pandemic







Study designs of ZSAC & ZVAC







Science to policy and public

Federal and cantonal level

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

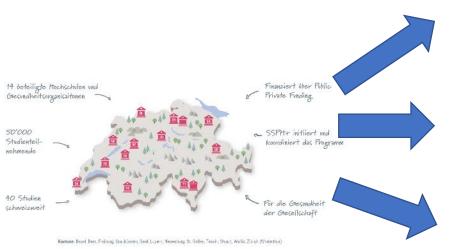
Swiss Confederation

Federal Department of Home Affairs DHA
Federal Office of Public Health FOPH

GDK S Konferenz der kantonalen Gesundheitsdirektorinnen und -direktoren

Conférence des directrices et directeurs cantonaux de la santé

Conferenza delle direttrici e dei direttori cantonali della sanità



International level





Public



Science in a minute Youtube channel https://www.youtube.com/channel/U C6esmpftoDxewev-1pT4ARg



https://www.ciao-corona.ch/