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

14 participating universities and health organisations
50,000 study participants
40 studies throughout Switzerland

Financed through public private funding
SSPIT+ initiates and coordinates the programme
For the health of society

www.corona-immunitas.ch
Science in a minute youtube channel
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

2-10 Schulen aus jedem Bezirk
Klassen aus verschiedenen Stufen

55 schools
275 classes,
2500 children

www.ciao-corona.ch
Zurich Coronavirus Cohort Study (ZSAC)

Reported cases

Random sampling and invitation

- N=446, 03-07 2020
- N=1106, 08-12 2020

Development immune reaction

Evaluation Contact tracing and Swiss Covid App

Isolation & Quarantine

Long COVID
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

**ZSAC**
- **Reported cases**
- **Random sampling**
- **1552 participants**
  - 446 participants from 1st wave (February-August 2020)
  - 1106 participants from August 2020 to January 2021

**Blood sampling**

**Questionnaires**

Registered for vaccination at Zurich Corona Center

**Random sampling**

**575 participants**
- Each 200 per vaccine (Moderna, Pfizer, J&J)
- Each 100 per age group 18-64 and 65+

**Blood sampling**

**Questionnaires**

Study registration → [https://doi.org/10.1186/SRCTN14990068](https://doi.org/10.1186/SRCTN14990068)

**ZVAC**

Study registration → [https://doi.org/10.1186/SRCTN15499304](https://doi.org/10.1186/SRCTN15499304)
Science to policy and public

Federal and cantonal level

International level

Public

Science in a minute Youtube channel
https://www.youtube.com/channel/UC6esmpftoDxewev-1pT4ARg

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