



**17TH WORLD CONGRESS
ON PUBLIC HEALTH**
2023 May 3-6 ROME ITALY



**56° CONGRESSO
NAZIONALE SITI**
2-5 Maggio 2023 ROMA

A WORLD IN TURMOIL:

Opportunities
to Focus on the
Public's Health.



WFPHA
World Federation of Public Health Associations

Seroprevalence studies for the surveillance of COVID-19: the example of Corona Immunitas

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STATEMENT SLIDE

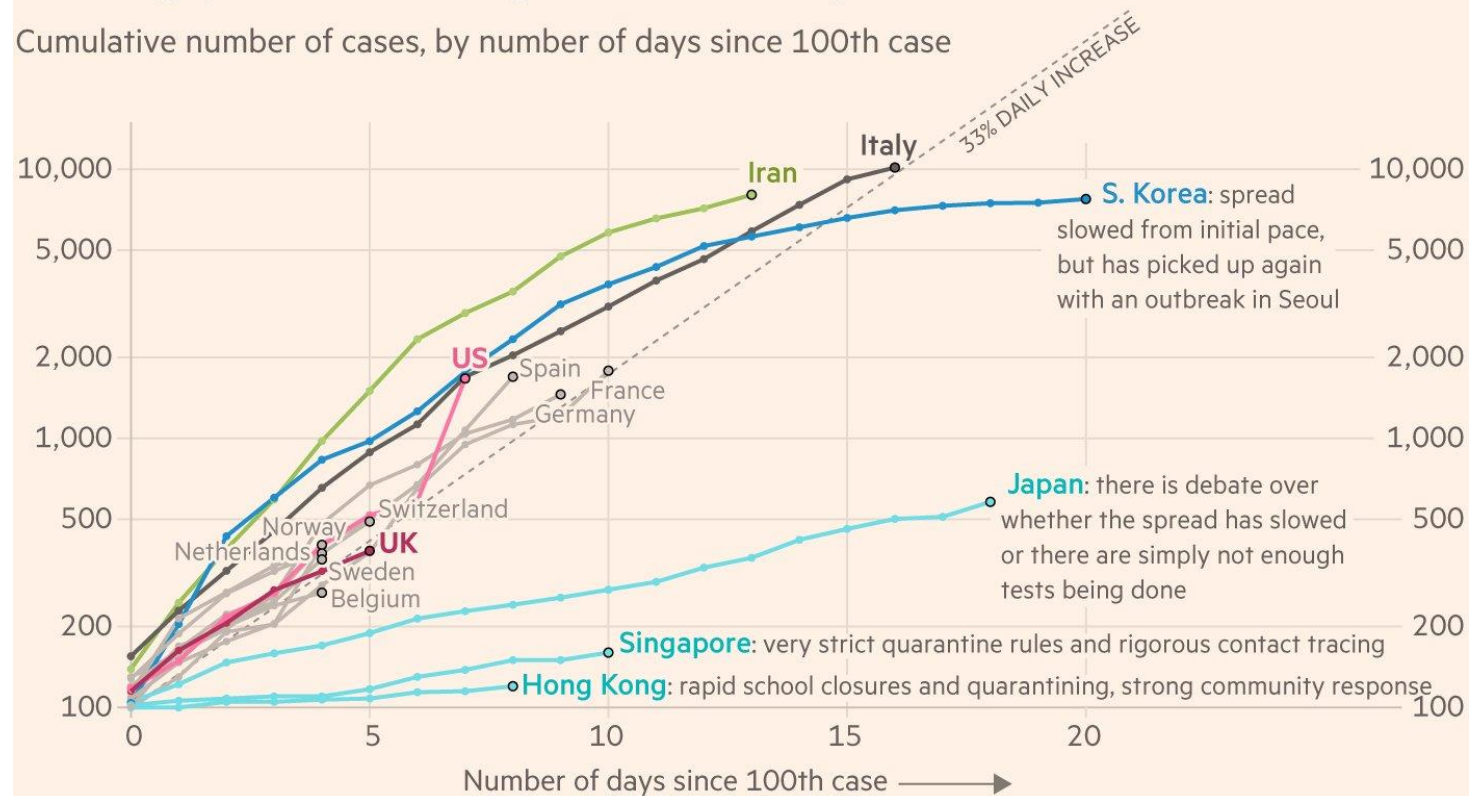
I have no conflicts of interest to disclose

Public health surveillance is the **ongoing collection** and **analysis** of health-related data, followed by **timely dissemination** of information **to policy makers**

The main goal is to provide **information useful for decision and action** in public health

Most western countries are on the same coronavirus trajectory. Hong Kong and Singapore have managed to slow the spread

Cumulative number of cases, by number of days since 100th case



Source: FT analysis of Johns Hopkins University, CSSE
FT graphic: John Burn-Murdoch / @jburnmurdoch
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CORONA
IMMUNITAS

POWERED BY SSPH+

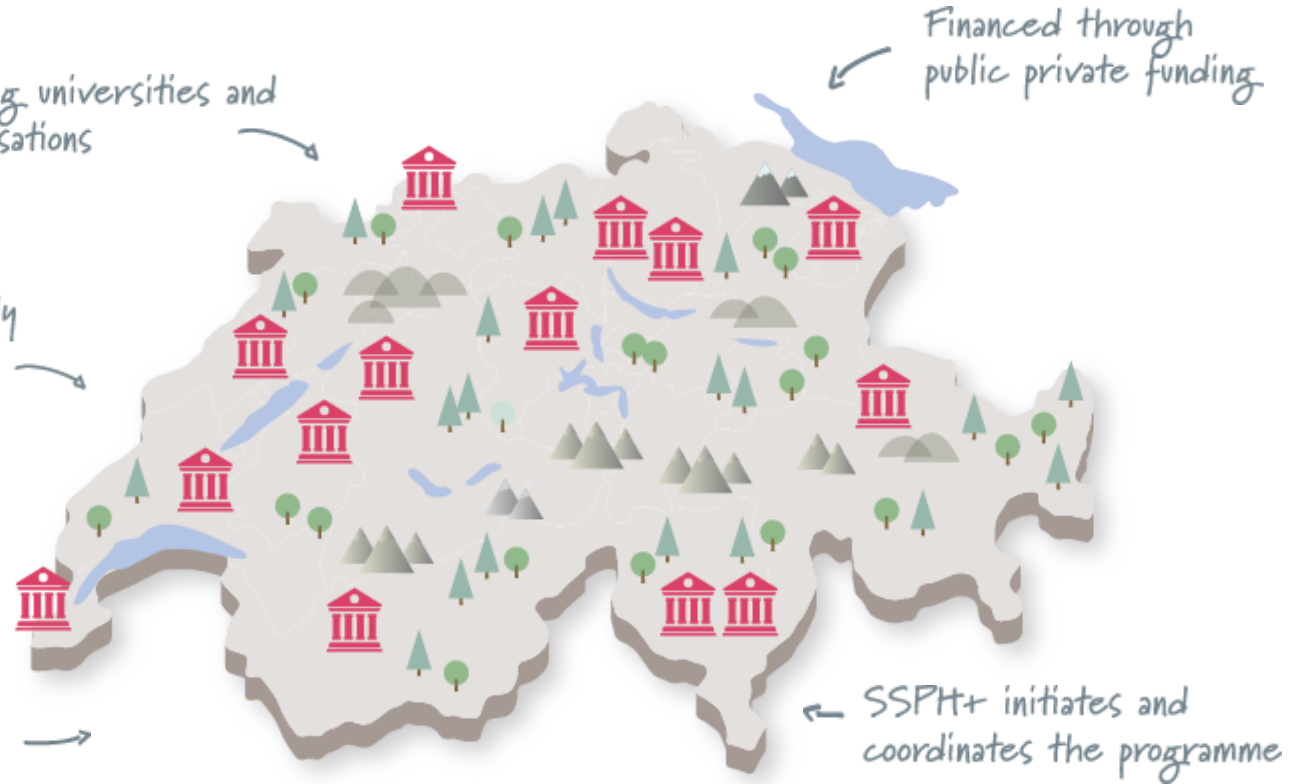
Aims:

- To estimate the number of people infected and who developed antibodies
- To assess functional immunity
- To understand the pandemic in more depth than serological testing alone (e.g.; info on transmission dynamics or effect of socioeconomic characteristics)

14 participating universities and
Health organisations

50'000 study
participants

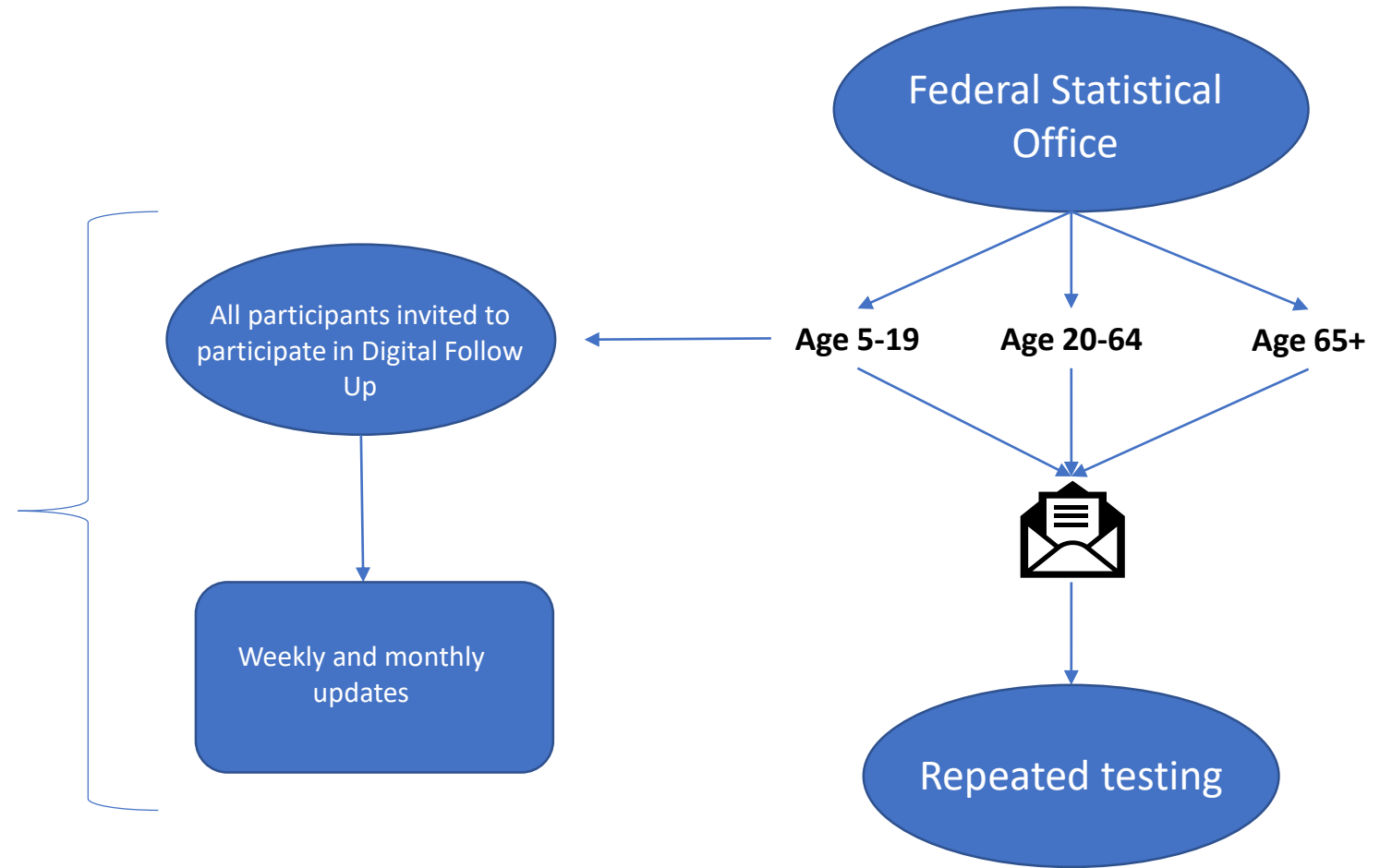
40 studies
throughout
Switzerland



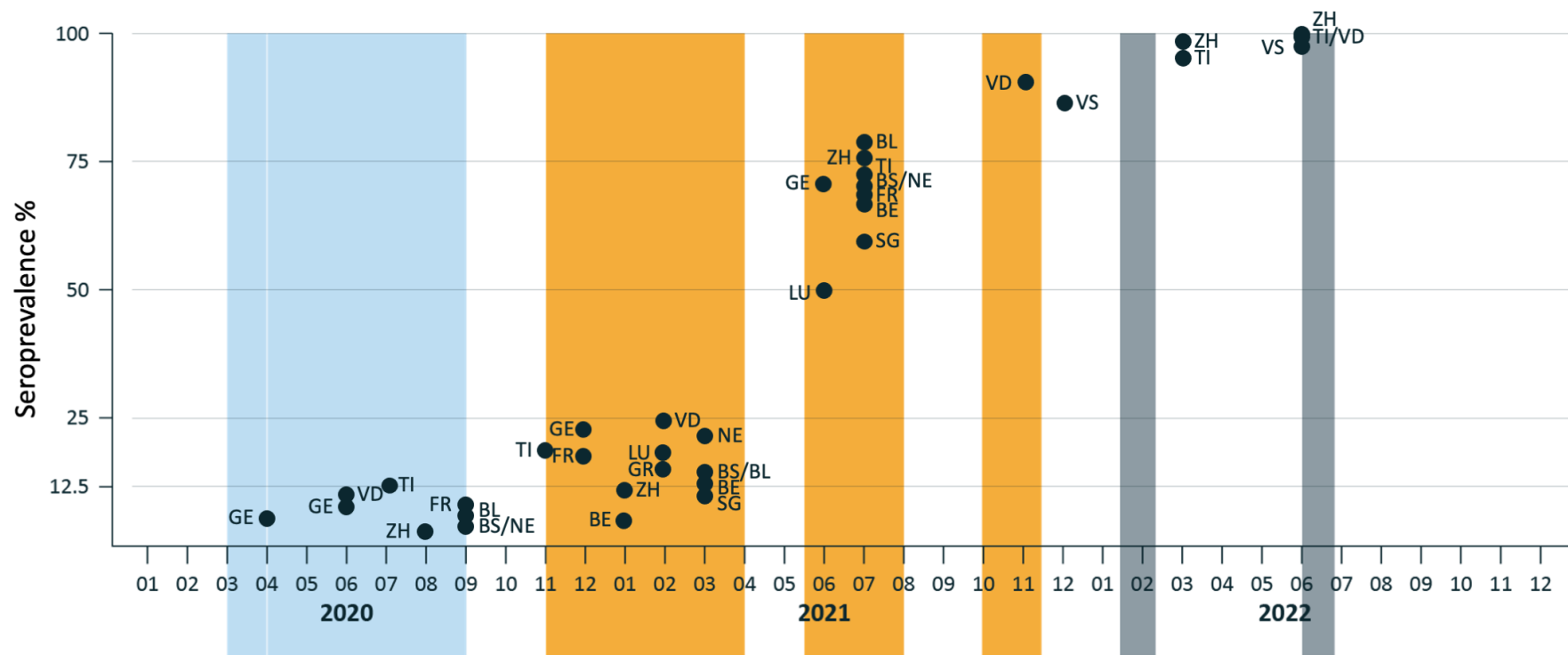


Digital Follow Up Aims:

- Monitoring of physical and mental health effects of the pandemic
- Adoption of preventive measures
- Changes in societal perception
- Socioeconomic changes
- Vaccine uptake

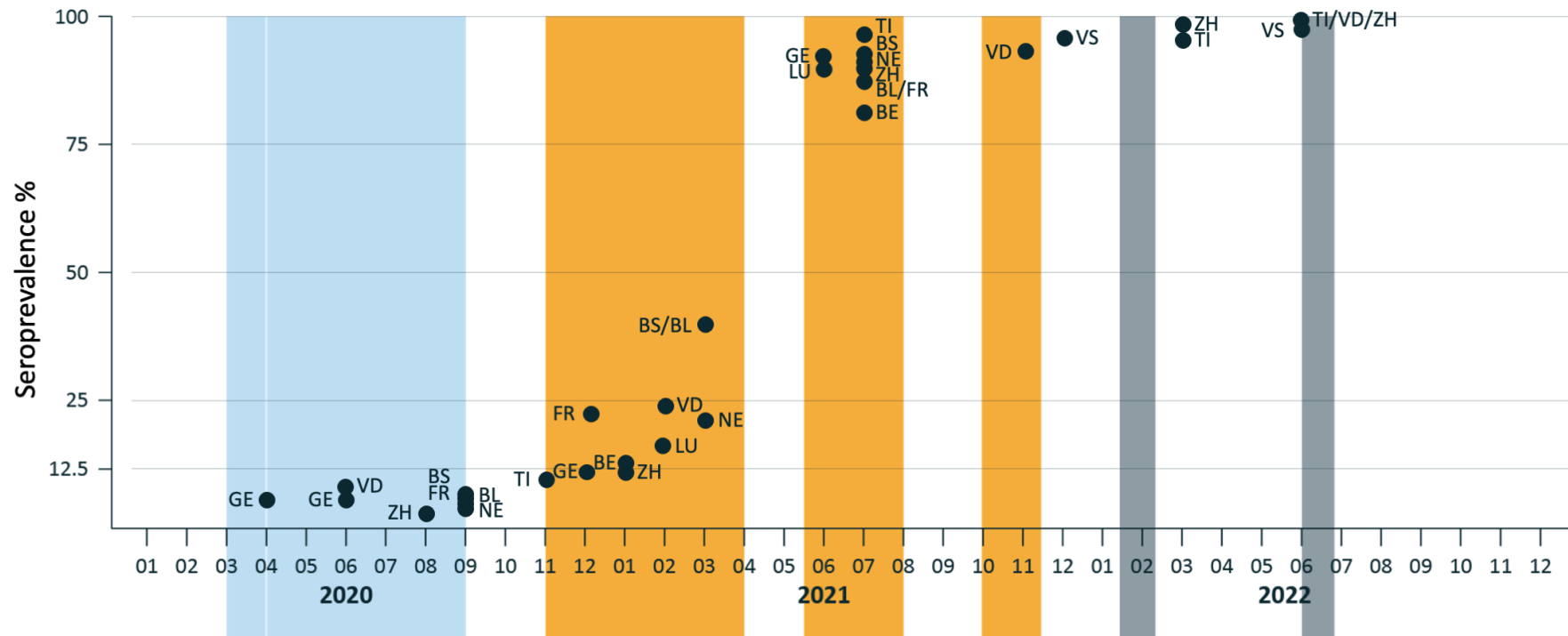


Seroprevalence by region in the 20-64 year old



GE, Geneva
 VD, Vaud
 TI, Tessin
 ZH, Zurich
 FR, Fribourg
 BL, Basel-country
 BS, Basel-city
 GR, Grisons
 SG, St Gallen
 NE, Neuchâtel
 VS, Valais

Seroprevalence by region in people aged the 65 +



GE, Geneva
 VD, Vaud
 TI, Tessin
 ZH, Zurich
 FR, Fribourg
 BL, Basel-country
 BS, Basel-city
 GR, Grisons
 SG, St Gallen
 NE, Neuchâtel
 VS, Valais

Aims:

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Infection
<https://doi.org/10.1007/s15010-023-02011-0>

RESEARCH



Seroprevalence and risk factors: a

RAPID COMMUNICATIONS

Functional immunity against SARS-CoV-2 in the general population after a booster campaign and the Delta and Omicron waves, Switzerland, March 2022

Stefano Tancredi¹, Natalia Ortega^{1,3}, Gisela Michel⁹, Cha Dirk Keidel^{11,12}, Nic Julia Vincentini¹⁵, S Christian R. Kahlert Jan Fehr¹⁹, Stéphan

Rebecca Amati^{1*}, Anja Frei^{2*}, Marco Kaufmann², Serena Sabatini¹, Céline Pellaton³, Jan Fehr², Emiliano Albanese^{1**}, Milo A Puhan^{2**}, on behalf of

1. Università dell'
2. Epidemiology,
3. Service of Imm
4. Members of the

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* These authors contributed equally and significantly to writing this article
** These authors have read and approved the final manuscript

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OPEN ACCESS



FAST TRACK

RESEARCH

Clustering and longitudinal change in SARS-CoV-2 seroprevalence in school children in the canton of Zurich, Switzerland: prospective cohort study of 55 schools

Agne Ulyte,¹ Thomas Radtke,¹ Irene A Abela,² Sarah R Haile,¹ Christoph Berger,³ Michael Huber,² Merle Schanz,² Magdalena Schwarzmueller,² Alexandra Trkola,² Jan Fehr,^{1,4} Milo A Puhan,¹ Susi Kriemler¹

Was it useful?

- Corona Immunitas closely informed policies
- It helped establishing lines of communication to FOPH and cantons
- It posed basis for future protocols in Switzerland and internationally

Reflections:

- Were canton-specific estimates of seroprevalence needed, or could seroprevalence be measured in fewer locations?
- ...

Thank you for your interest

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