



Swiss TPH



Global Health in the 21st Century

## Concluding Words

Jürg Utzinger

Basel, 30 June 2021

# Swiss TPH VIRTUAL Symposium 2021

## Global Health in the 21<sup>st</sup> Century



- 45<sup>th</sup> Swiss TPH Symposium
- 555 registered participants
  - 383 external
  - 171 Swiss TPH
- 22 external and 19 Swiss TPH speakers
  - 22 female and 19 male

# Swiss TPH VIRTUAL Symposium 2021

## 3-Day Programme

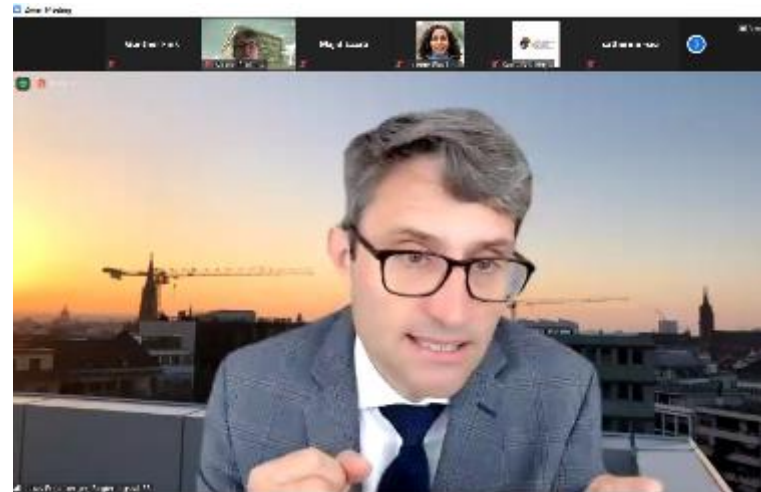
- Welcome and Keynote on NCDs (Majid Ezzati)
- Session 1 | Disease Related Challenges
- Social Event and Workshop: Global Health Challenges and Solutions
- Session 2 | Getting Evidence into Health Systems Policy and Practice
- Keynote: COVID-19 Response in Switzerland (Samia Hurst-Majno)
- Session 3 | COVID-19 Impact
- Session 4 | COVID-19 Vaccine Development and Rollout
- Session 5 | Household-Level Interventions to Improve Health
- Session 6 | The Role of the Private Sector in Improving Health
- Session 7 | How Can We Achieve Quality Care for All?

# Day 1 Impressions

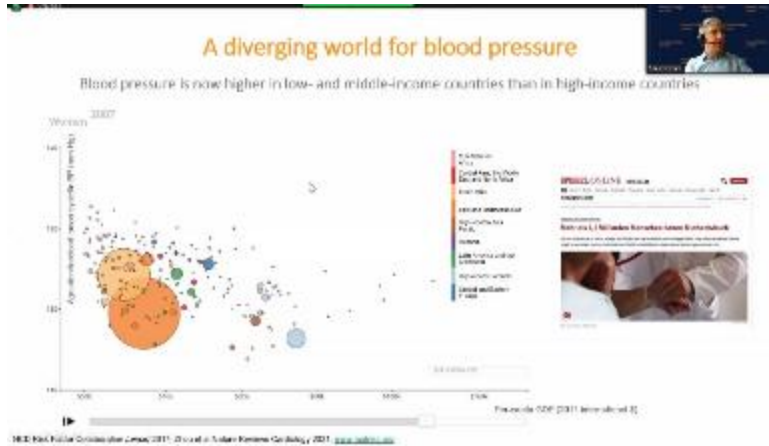


**“We all live under the same sky, but we don't all have the same horizon.”**

Konrad Adenauer



# Day 1 Impressions



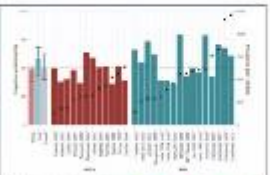
## Rapid changes in the global landscape of NCDs

# Day 1 Impressions

## Speed talks!

**TB research: new evidence, progress and innovation**

Around **50 %** of the prevalent infectious TB burden is **subclinical** (= no symptoms!)



→ Implications for **global TB control**

**Epidemiology**

- Diagnosis
- Treatment
- Prevention

Presented by: Dr. J. D. van Soolingen

**Scenario**




Mbira Regional Referral Hospital, Uganda

- Highest rate of infection among delivered women = post-Cesarean section
- 100% adherence to prophylaxis among women with infections
- Considerable morbidity due to difficult-to-treat pathogens

Presented by: Dr. J. D. van Soolingen

**Content**

- Malaria: the public health problem
- Achievements of malaria control 1880-1970 and 2000-2021
- Main challenges ahead



Basel ca. 1900


Basel 2020

**Humans: are we the most effective vector of disease?**



Presented by: Dr. J. D. van Soolingen

**Epidemiologic transition**



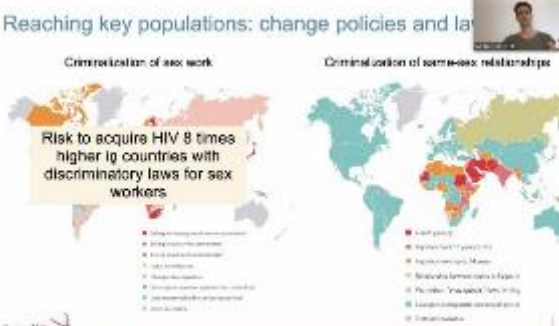
Health Systems in the 21st Century - Sydney TPII Symposium 2021 - L. Dow

**Reaching key populations: change policies and laws**

**Criminalization of sex work**

**Criminalization of same-sex relationships**

**Risk to acquire HIV 8 times higher in countries with discriminatory laws for sex workers**



Presented by: Dr. J. D. van Soolingen



# Day 1 Social Event





Join at  
**slido.com**  
**#601 851**

Active poll

What is the Biggest Global Health Challenge of Today?



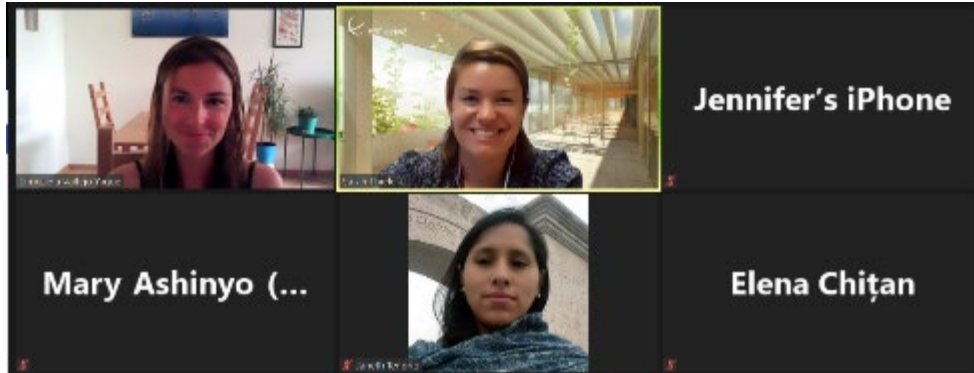
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Key challenges identified in the word cloud include: poverty, climate change, governance, antibiotic resistance, health equity, inequality, inequity, zoonotic diseases, anti-microbial resistance, neglected diseases, infodemic, pollution, food insecurity, funding, lack of implementation, lack of well-trained HCP, community engagement, lack of pre, NCD such as Cancer, crisis, mistrust in science, quality health system, non-coop between countries, trust, poor access, medicine access, lack of resources, environment, social media, prejudice, migration, policies, poor governance, disasters, fair communication, quality, health access, newly emerging infections, mental diseases, fair communication, disparities, public accountability, obesity, qualified health personal, tuberculosis, water scarcity, limited resources, capitalism, funds, lack of well trained HHP, community engagement, lack of pre, NCD such as Cancer, crisis, mistrust in science, Quality health system, Non-coop between countrie.

## Key Challenges

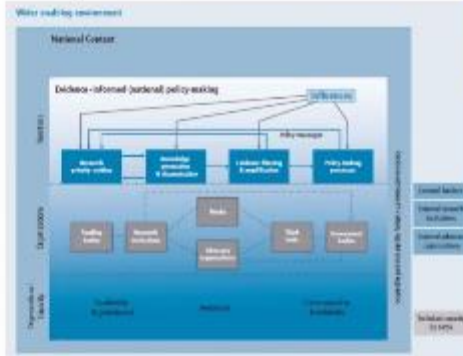
## The Winning Team!



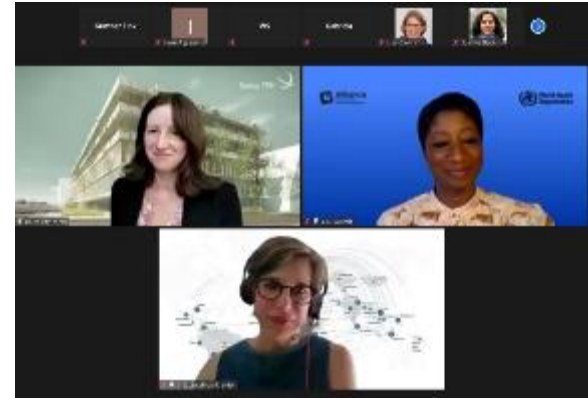
# Day 1 Getting Evidence into Health Systems Policy and Practice: Old and new questions



## Not a new question



From: Green and Bennett (eds), 2007. *Sound Choices: Enhancing capacity for evidence-informed health policy. Alliance for Health Policy and Systems Research*



## Reflections from SNSF/r4d programme



Senio TH



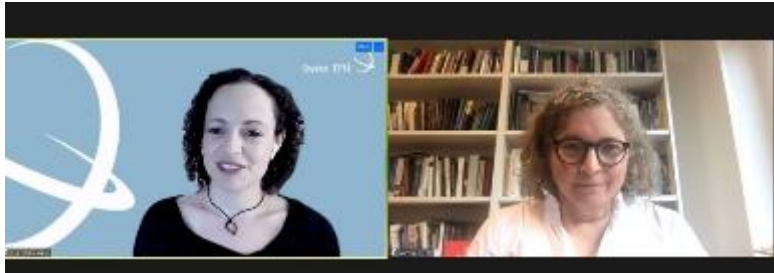
## Networks and Multi-level Engagement



# Day 2: COVID-19 Response in Switzerland



A stress test for societies



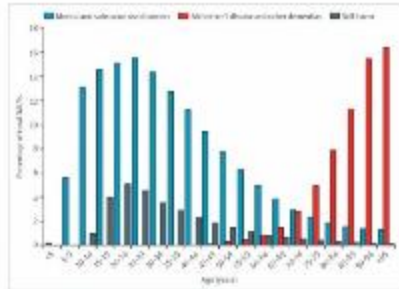
And a few more obvious points

- Public health is a difficult task in a federal country
- We. Need. More. Data
- Trust is a vital tool for most of what we all want, trustworthiness as a prerequisite, awareness of legitimate claims as a prerequisite for *that*
- We have a glass half-full of science culture in our country



# COVID-19 Impact: Mental Health, Profiles and Swiss Cheese

## The heavy global burden of poor mental disorders

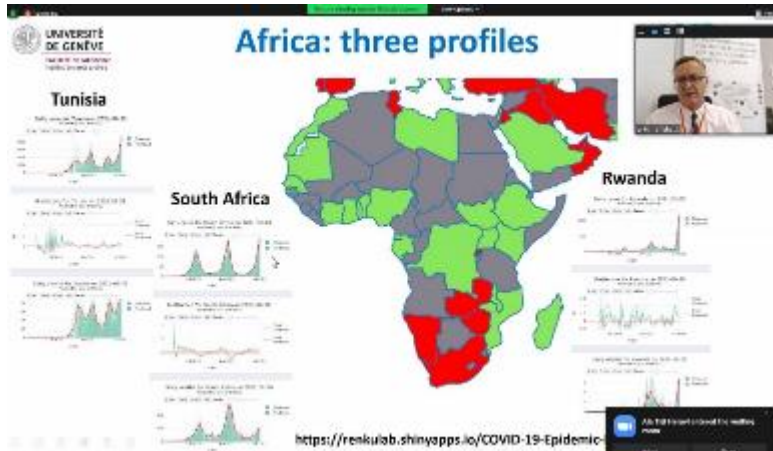


according to natural history models  
> 13 Mio deaths attributable to mental disorders in 2010

poor mental health  
top-ranking contributor to  
years lived with disability

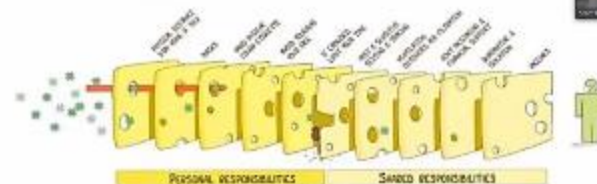


Swiss TPH | Lancet Commission on global mental health and sustainable development, Lancet 2019;393:1103



## THE SWISS CHEESE RESPIRATORY VIRUS PANDEMIC DEFENCE

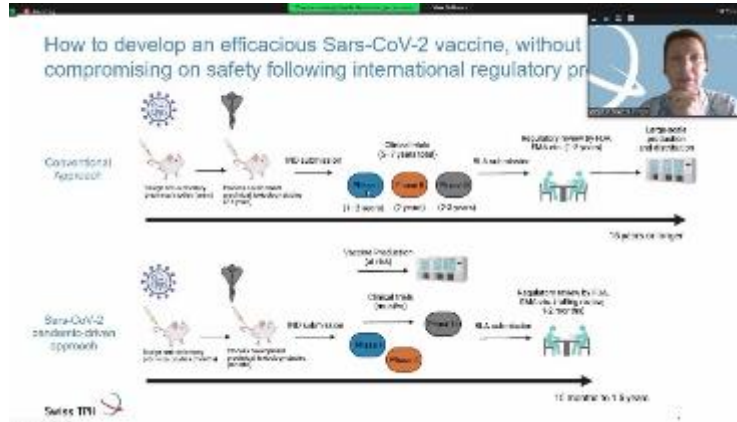
RECOGNISING THAT NO SINGLE INTERVENTION IS PERFECT AT PREVENTING SPREAD



Processes – Roles and Responsibilities  
Decentralization – Federal Systems  
Pandemic a Global Public Health Problem  
and no health-economics dichotomy  
«we are in the same and one boat»



# COVID-19 Vaccine Development and Rollout



**Why?**  
Simple answers to complex problems

„mRNA vaccination genetically modifies humans.“  
 „The virus contains ‘HIV-like insertions’ which shows it has been tampered with.“  
 „The pandemic was predicted in a simulation.“  
 „An organisation funded by Bill Gates patented the novel coronavirus.“  
 „The coronavirus is a man-made bioweapon.“  
 „5G wireless technology is linked to coronavirus outbreak.“  
 „MMS, or other chlorine dioxide solutions, can cure COVID-19.“  
 „High doses of vitamin C are an effective treatment against COVID-19.“

higgs  
Peter Higgs  
2020-06-01

## Clarifying terminology (continued)

- From a global perspective, a systematic review showed that, „[...] there was **no universal algorithm**; the independent and relative strength of influence of each factor is complex and context-specific – **varying across time, place and vaccines**“ (Burton et al., 2020, p. 2170).
- It is important to distance ourselves from the pro- and anti-vaccine dichotomy by “getting past polarization in the public discourse” (Reinman and Seres, 2017).
- Anti/pro stances do not accurately reflect the range of views people have: ambivalence; vaccine-specific views; context-specific views; views can change over time.



2021 Ghana one of the first to receive (limited) supply under

Share of people who received at least one dose of COVID-19 vaccine, Jun 26, 2021



# Household-Level Interventions to Improve Health

## Programa Nacional CunaMas

**SCD:** Niños y niñas entre 6 y 36 meses de edad y gestantes residentes en los distritos focalizados por el PNCM



**SAF:** Familias con niños y niñas entre 0 y 36 meses de edad y gestantes residentes en los distritos focalizados por el PNCM



Swiss TPH

### The context

Despite the huge improvement in child nutrition and survival during the last 2 decades, vulnerable children, growing in Fertilizer-deficient areas, continue to be exposed to others' illnesses, violence, poverty, being pushed into, and being exposed to, disease or further environmental threats.

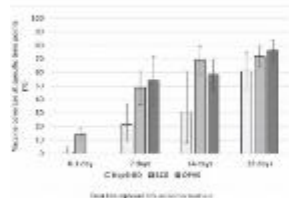
Under such circumstances, these children are not able to reach their full developmental potential, so that inequality is increased along generations.

Home visiting programs are evidence-based effective strategies to promote child development during the early years.





























## Early childhood vaccinations often delayed

Coverage in sub-Saharan Africa



Pooled estimates of birth vaccine coverage Sub-Saharan Africa  
Banyard et al., *Vaccine*, 2020

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Page 1191



# The Role of the Private Sector in Improving Health

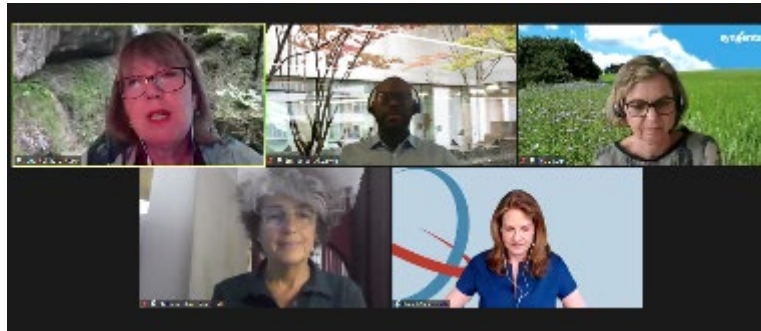
Active poll

What do you feel the role of the private sector should be in improving global health? (Please, only use key words.) 0 3 1

Join at  
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**#627 429**

Word cloud terms:

- partnership
- innovation
- accountability
- responsibility
- collaboration
- funding
- equitable partnership
- affordability
- access to medicine
- support the public sector
- complement government
- collaborate
- free patents
- 627429
- expertise
- responsibility
- implementation
- Responsibility
- commitment
- Cooperation
- innovate
- structures
- affordable medicines
- quality
- partner
- expert
- online access
- invest
- accessibility
- money



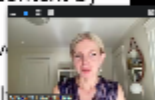
# How Can We Achieve Quality Care for All?

## Definition of high quality health systems



Health systems are for people. A **high quality health** system optimizes health in a given context by

- consistently delivering care that improves or maintains health
- being valued and trusted by all people,
- responding to changing population needs.



**Health Systems Performance**  
Towards a "Systems-Wider" Approach

Don de Savigny  
Swiss Tropical and Public Health Institute

SwissTPH Virtual Symposium  
Global Health in the 21<sup>st</sup> Century  
June 30, 2021

**Get to know about Lao PDR**

Population: 7.4M

Laos is a landlocked country in Southeast Asia, bordered by Myanmar, Vietnam, China, Thailand, and Cambodia.

50 ethnic groups

- 1. Lao-Tai (63.2%)
- 2. Mon-Khmer (20.7%)
- 3. Hmong-Mien (10.7%)
- 4. Chinese-Tibetan (4.4%)

**How can Switzerland Contribute to Quality Health Systems in Lower-Income Countries?**

Alexander Schulz, Swiss Agency for Development and Cooperation

Swiss TPH Symposium "Global Health in the 21<sup>st</sup> Century"  
Session 3 "How Can We Achieve Quality Care for All?"  
30 June 2021



# Final Thoughts

- Jürg to add... (or delete slide?)

# Acknowledgements

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- Organisation and logistics
  - Joanne Blackwell
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