



OXFORD COVID-19 GOVERNMENT RESPONSE TRACKER

International responses to COVID - how countries managed the pandemic

COVID-19-Pandemie – Spannungsfeld
zwischen Wissenschaft und Praxis

1 June, 2022

Dr Anna Petherick, Co-PI, OxCGRT

Summary



1. Project overview
2. Global policy patterns
3. Combining OxCGRT policy data with other data sets
4. Looking ahead: informing the building back and preparedness agendas

1. OxCGRT project overview

- Giant data project, tracking government policies in response to Covid-19
- Used by policymakers and epidemiologists all over the world

Project website + Github link:

<https://www.bsg.ox.ac.uk/research/research-projects/coronavirus-government-response-tracker>

Our World in Data:

<https://ourworldindata.org/policy-responses-covid>

HDX: <https://data.humdata.org/>



OECD Home > Directorate for Public Governance > Government at a Glance 2021 - en



Government at a Glance 2021

The 2021 edition includes input indicators on public finance and employment; process indicators include data on institutions, budgeting practices, human resources management, regulatory governance, public procurement, governance of infrastructure, public sector integrity, open government and digital government. Outcome indicators cover core government results (e.g. trust, political efficacy, inequality reduction) and indicators on access, responsiveness, etc. [More](#)

Published on July 09, 2021 Also available in: French
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- > Innovative government
- > Open government
- > Policy coherence for



COVID-19
Global Access Tracker

Insights Access All Data Get Involved About

Global Dashboard for Vaccine Equity

COVID-19 vaccine inequity will have a lasting and profound impact on socio-economic recovery in low- and lower-middle income countries without urgent action to boost supply, share vaccines and ensure they're accessible to everyone now.

The Global Dashboard for Vaccine Equity combines the latest data on the global roll-out of COVID-19 vaccines with the most recent socio-economic information to illustrate why accelerating vaccine equity is not only critical to saving lives but also to driving a faster and fairer recovery from the pandemic with benefits for all.

It provides new, actionable insights and possibilities for policy makers to dive into the implications of vaccine inequity for socio-economic recovery, jobs and welfare. Analyses can be generated and compared by country, region and globally, and organised per income group.

The Dashboard is a joint initiative of UNDP, WHO and the University of Oxford with cooperation across the UN system, anchored in the SDG 3 Global Action Plan for Healthy Lives and Well-being for All.



[World Health Organization](#) [UNDP](#) [OXFORD COVID-19 GOVERNMENT RESPONSE TRACKER](#)

What is it for?

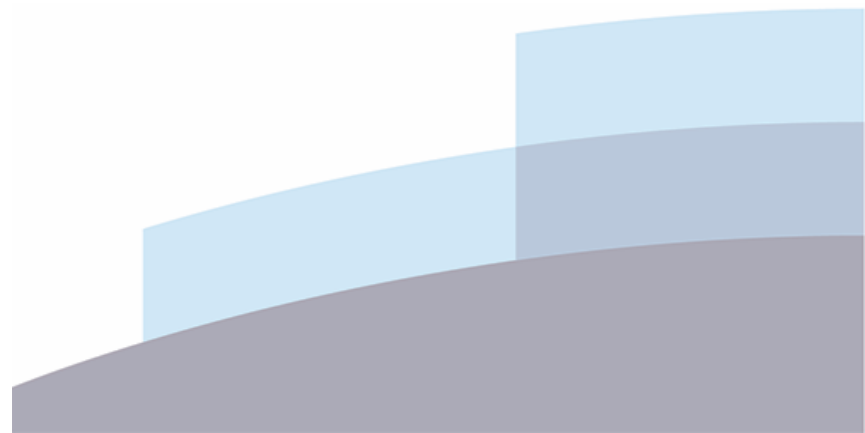


- Provides a systematic cross-national, cross-temporal measure of how government responses have evolved over the **full period of the disease's spread**.
- Public health experts are learning in real time what measures are more or less effective – need **up-to-date, comparable, consistent data**.
- Easy to use: jurisdiction – day layout csv file

Our approach



- **Citizen science:** Data is collected and reviewed in real time by a team that has comprised more than 850 volunteers from Oxford University and partners.



Our volunteers

Data is collected from public sources by a team of over one hundred Oxford University students and staff from every part of the world.

Research Assistants: Emily Cameron-Blake, Helen Tatlow, Laura Hallas, Saptarshi Majumdar.

Contributing team: Abeba Aleka Kebede, Adel Molnar, Adil Sayeed, Aditya Lolla, Adrian Wang Xinting, Ahmed Safar, Aidana Arynbeke, Akhila Kadgathur Jayaram, Alejandrina Cripovich, Alex Zhuang, Aleksander Silva Farias, Alfe Killinger, Alfredo Ortega, Ali Arsanal Pasha Siddiqui, Alice Cavaliere, Alice Eddershaw, Alice Graham, Alice Secheresse, Alice Voddan, Elena Romani Pozo, Aline Tognini, Allen Zhang, Alonso Moran de Romana, Ana Lucia Villagran, Anandam Sarcar, André Houang, André Parente Houang, Andrea Garaiova, Andrea Klaric, Andrea Salhuana Bellodas, Andreea Anastasiu, Andrew Brown, Andrew Iupati, Andrew Read, Andrew Wood, Andrew Krachkov, Anika Buch, Anindita K. Listya, Anita Patil, Anjali Viswamohanam, Ankit Raj, Ann Hagen, Anna Bruvere, Anna Paula Ferrari Matos, Anna Petherick, Anna Welsh, Annalena Pott, Annamarie Candler, Anneloes Hoff, Annika Browne, Anthony Sudarman, Anupah Makoond, Anushka Shah, Ariana Detmar, Ariq Hatibie, Arkar Hein, Arthur Lau, Asiya Zaidia, Ayan Habane, Ayanna Kiffeth, Aysegul Elbasi, Babu Ahamed, Bárbara Prado Simão, Barbara Roggeveder, Barbara Bocyte, Bat-Orgil Bat-Erdene, Beatriz Cristina Rodrigues Silva, Beatriz Franca, Beatriz Rica, Beatriz Pliotline Macedo Costato, Ben Luria, Ben Weber, Benjamin Ingal, Benjamin Parker, Benjamin Peart, Bilal Majeed, Bill McCluskey, Blessing Oluwatosin Ajimoti, Bolorederene Battseengel, Priyia Lakshmy TBalasubramanian, Bronwyn Gavine, Bruna Maria da Silva Ruys, Bruno da Cunha de Oliveira, Bruno Stucchi, Bugeji Nyaosi, Caitlin Sarro, Callum Ryan, Camilla Sacchetto, Camille Bedard-Gauthier, Carla Almeida da Vila, Carlos Danquer Amaral, Carolina de Medeiros Queiroz, Carolina 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Adebayo, SeungCheol Ohk, Seungeun Yi, Shabana Asif-Rashik, Shena Fitzsimmons, Shannon Costello, Shannon Murray, Shannon Smith, Sharon Farrell, Shelly Lim, Shengchang Zhang, Shirley Chen, Shiwen Lai, Shoab Khan, Shubo Zhang, Siddharth K Prakash, Silvia Shen, Simon Powell, Simphiwe Stewart, Siqi Liu, Siu Cheng, Siyang Jiang, Sonya Amin, Sophie Pearlman, Soumaya Belaid, Stefaan Sonck Thiebaud, Stefan Holzheuser, Stephanie Guyett, Stephanie Hayes, Suganthan Asokan, Suryodeep Mondal, Swathi Ravasam, Syed Shoab Hasan Rizvi, Se Ok, Sze Tung Lam, Tais Pellinson Gomes da Silva, Tamoi Fujii, Tania Calle, Tanyah Hameed, Tatiana Mello Pereira da Silva, Tatsuya Yasui, Taynã Mendes, Tellobo Ohtsokone, Teresa Soter Henriques, Terrence Eife, Teruki Takiguchi, Tetselake Anyiam-Osigwe, Thyalya Bicalho Bertolozzi, Thyalslene Marques Oliveira, Tho Bernard, Thi Yen Chi Nguyen, Thiago William Pereira Barcelos, Thomas Benson, Thomas Birdseye, Thomas Boby, Thomás Castanheira Manfrinatti, Thomas Mbuotidem Jeremiah, Thomas Rowland, Thomas Stubbs, Tilbe Atav, Tim Nusser, Tina Chim, Tiphaine Le Corre, Tiza Igomwaha, Toby Phillips, Tom Hale, Trevor Eddor, Twan van der Togt, Ubah Daahir, Ulla Mikkelson, Ulrike Gruber-Grech, Ursula Panzner, Ursule Demael, Uttara Narayan, Vedant Shukla, Veronique Gauthier, Vier Wagatsuma, Victor Mtaki, Victoria Caverio, Vijay Krishna Palepu, Vinicius Javaroni, Vinicius Sanches Pontolirole, Vinicius Tadeu Silvério dos Santos, Viviane de Assis Ignacio, Walter Vinicius Ribeiro Cancellieri, Wei Sean Melvin Ting, Will Bennett, Will Marshall, William Dowling, William Hart, Winni Yang, Xema Pathak, Xiangyun Ren, Xinyuan Lin, Xingyue Yang, Xinrui Wang, Yanjun Lu, Yanying Lin, Yaowen Deng, Yash Kamath, Yasmin de Sousa Pinheiro, Ye Chen, Yexuan Zhu, Yinqiu Zheng, Yishan Yuan, Yiwen Sun, Yiwen Zhang, Yixin Pu, Yizhou Pan, Yueying Zhang, Yulia Taranova, Yuzi Zhang, Yuxin Ma, Zachary Adnane, Zachary Parsons, Zara Abdurahman, Zara Raheem, Zelie Castan, Zhengyu Zhang, Zijia Tan, Zile Huma, Zilun Tu, Ziqi Zhou, Ziqing Huang, Zixuan Fu, Ziya Utku Karadeniz, Ziyue Chen, Zoe Lin, Zoha Minal Imran, Zongyue Liu, Zunaira Mallick.



Origins



Variation in government responses to COVID-19

Version 1.0

24 March 2020

This working paper is updated frequently. Check for most recent version here:

www.bsg.ox.ac.uk/covidtracker

Dr Thomas Hale, Associate Professor, Blavatnik School of Government, University of Oxford

Dr Anna Petherick, Departmental Lecturer, Blavatnik School of Government, University of Oxford

Mr Toby Phillips, Blavatnik School of Government, University of Oxford

Dr Samuel Webster

Abstract: COVID-19 has prompted a wide range of responses from governments around the world. There is a pressing need for up-to-date policy information as these responses proliferate, and governments weigh decisions about the stringency of their policies against other concerns. We introduce the Oxford COVID-19 Government

- Now on version 13 of this international working paper
- 22 core team members
- Many subnational working papers and research papers

Currently



- Various indicators for closure and containment, health, economic and vaccination policies.
- Recorded on ordinal scale to capture not just the presence but also the degree of response.
- 4 simple linear indices that are normalized to vary from 0 to 100.
- 190+ countries.
- The database is freely available online and updated continuously:
<https://github.com/OxCGRT/covid-policy-tracker>
- Subnational coding for the US, Brazil, UK, Canada, China, India, Australia.

Our indicators

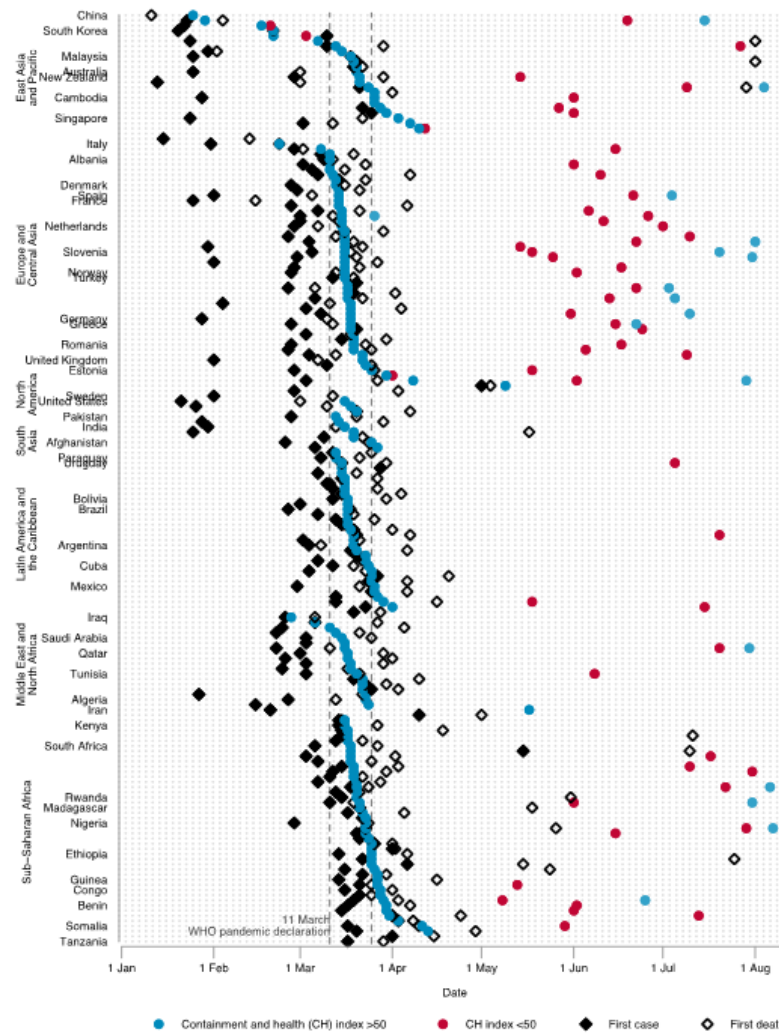
ID	Name	Type	Targeted/ General?	Differentiation based on vaccination status?
Containment and Closure				
C1	School closing	Ordinal	Geographic	Yes
C2	Workplace closing	Ordinal	Geographic	Yes
C3	Cancel public events	Ordinal	Geographic	Yes
C4	Restrictions on gathering size	Ordinal	Geographic	Yes
C5	Close public transport	Ordinal	Geographic	Yes
C6	Stay at home requirements	Ordinal	Geographic	Yes
C7	Restrictions on internal movement	Ordinal	Geographic	Yes
C8	Restrictions on international travel	Ordinal	No	Yes
Economic Response				
E1	Income support	Ordinal	Sectoral	No
E2	Debt/contract relief for households	Ordinal	No	No

E3	Fiscal measures	Numeric	No	-
E4	Giving international support	Numeric	No	-
Health Systems				
H1	Public information campaign	Ordinal	Geographic	No
H2	Testing policy	Ordinal	No	No
H3	Contact tracing	Ordinal	No	No
H4	Emergency investment in healthcare	Numeric	No	-
H5	Investment in Covid-19 vaccines	Numeric	No	No
H6	Facial coverings	Ordinal	Geographic	Yes
H7	Vaccination Policy	Ordinal	Cost	No
H8	Protection of elderly people	Ordinal	Geographic	Yes
Vaccine Policies				
V1	Vaccine prioritisation	Categorical	No	No
V2	Vaccine eligibility/availability	Categorical	No	No
V3	Vaccine financial support	Categorical	No	No
V4	Mandatory vaccination	Binary	No	No
Miscellaneous				
M1	Other responses	Text	No	n/a

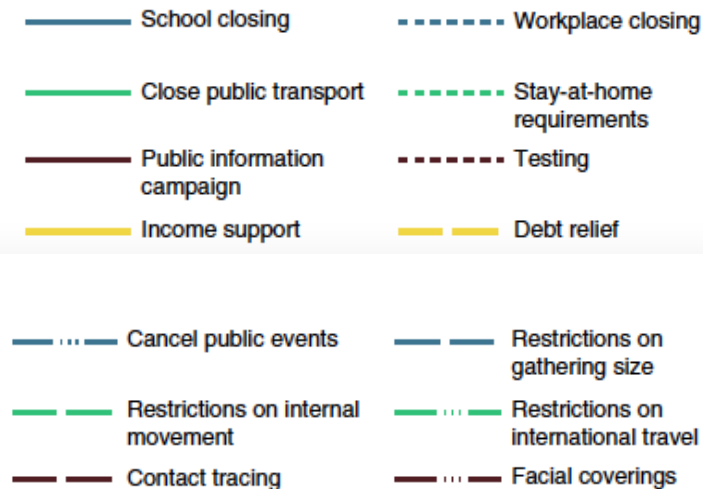
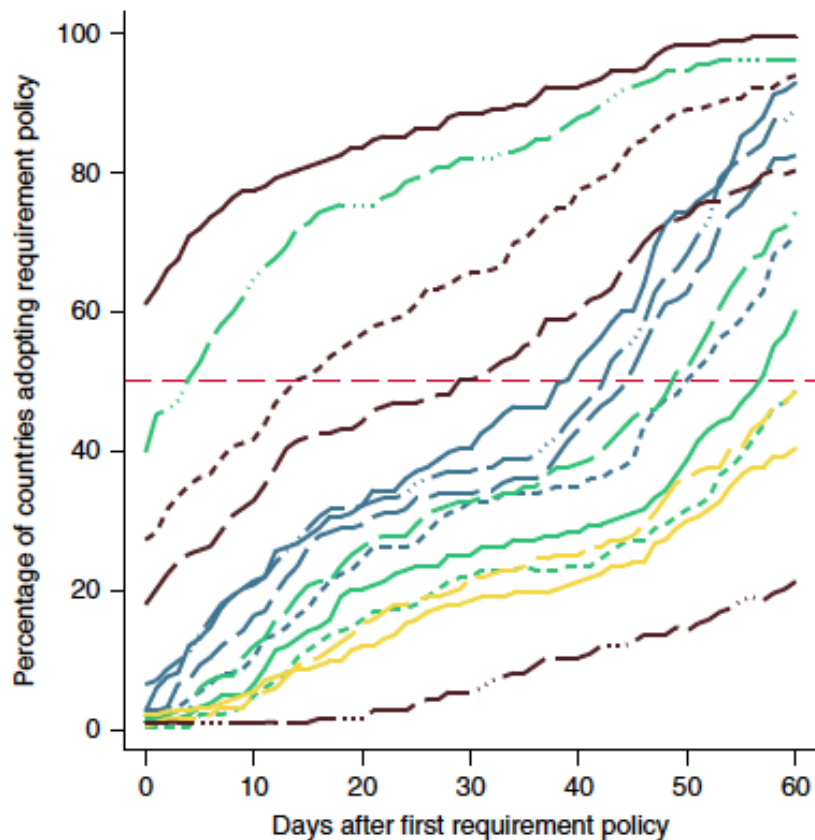
2. Global policy patterns

- Early pandemic (March-April 2020):
 - The initial ramp up – global convergence
 - Policy sequencing in the initial ramp up, and in early easing
- Divergence and early easing (May 2020 onwards):
 - Strong initial behavioural responses: early data
 - Lesser global consistency in policy easing, and thereafter (“flexibilization”)
- As the pandemic extends (into 2021):
 - Eliminators and mitigators: path-dependency in stay-at-home policies
 - Vaccine rollout
- Differentiated policies (late 2021, into 2022)

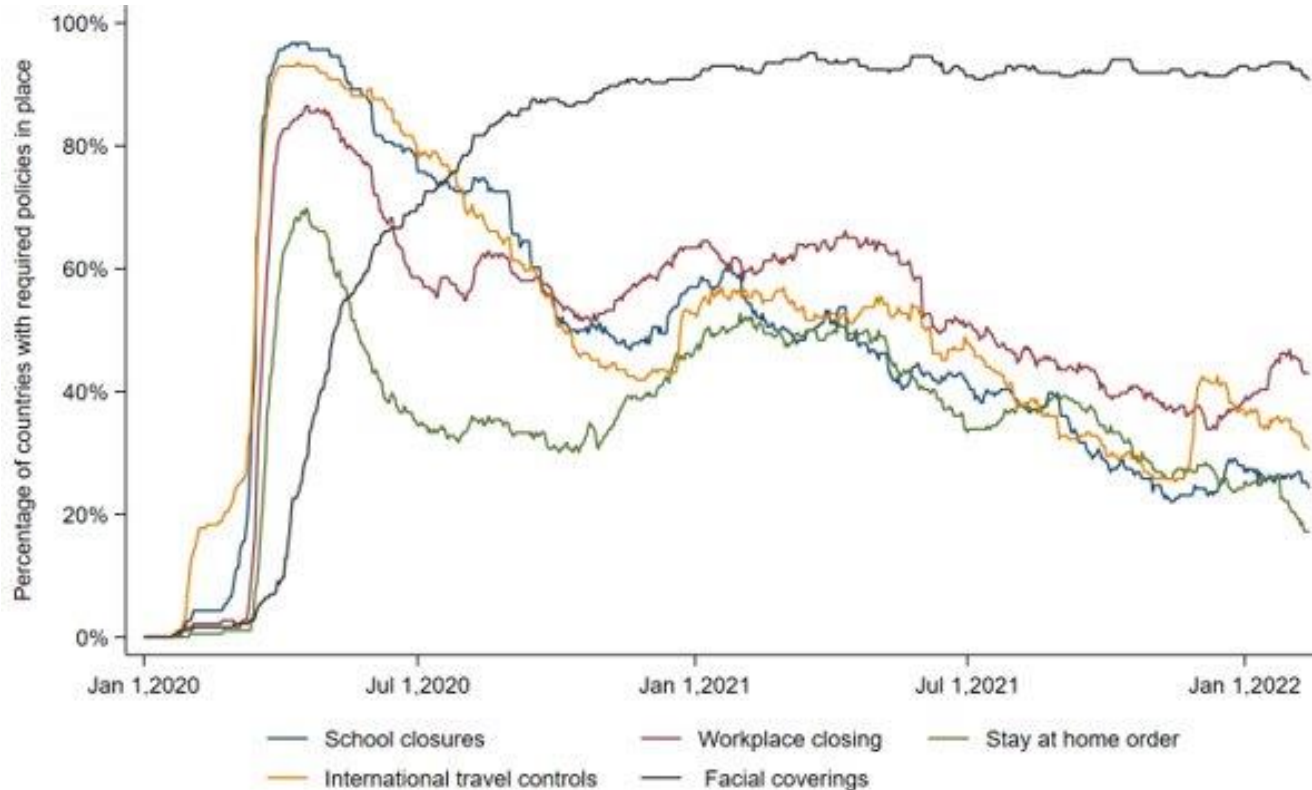
Ramp-up March-April 2020



Policy sequencing

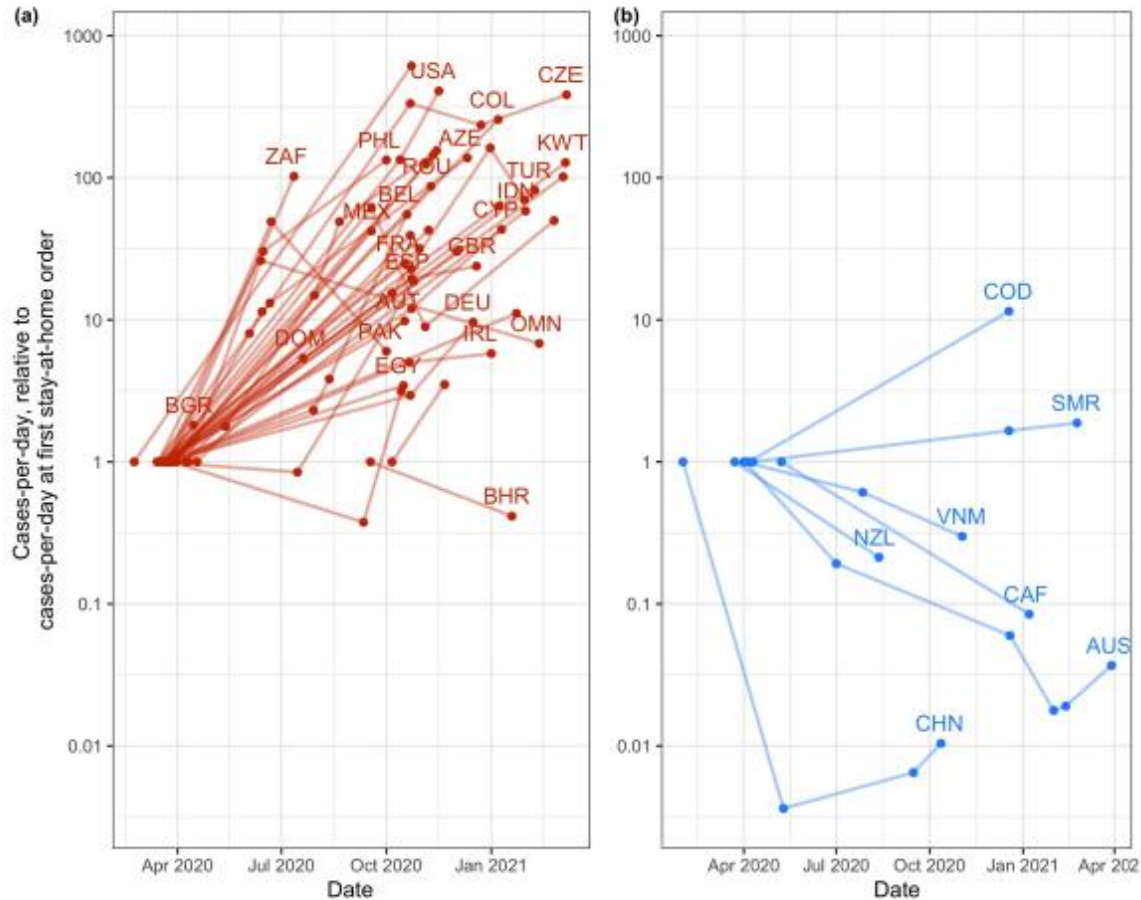


Facial coverings



What we have seen:

- The initial policy responses strong and universal
- Less use of school closings and stay at home orders over time
- Facial covering policies, slow to spread around the world, became ubiquitous

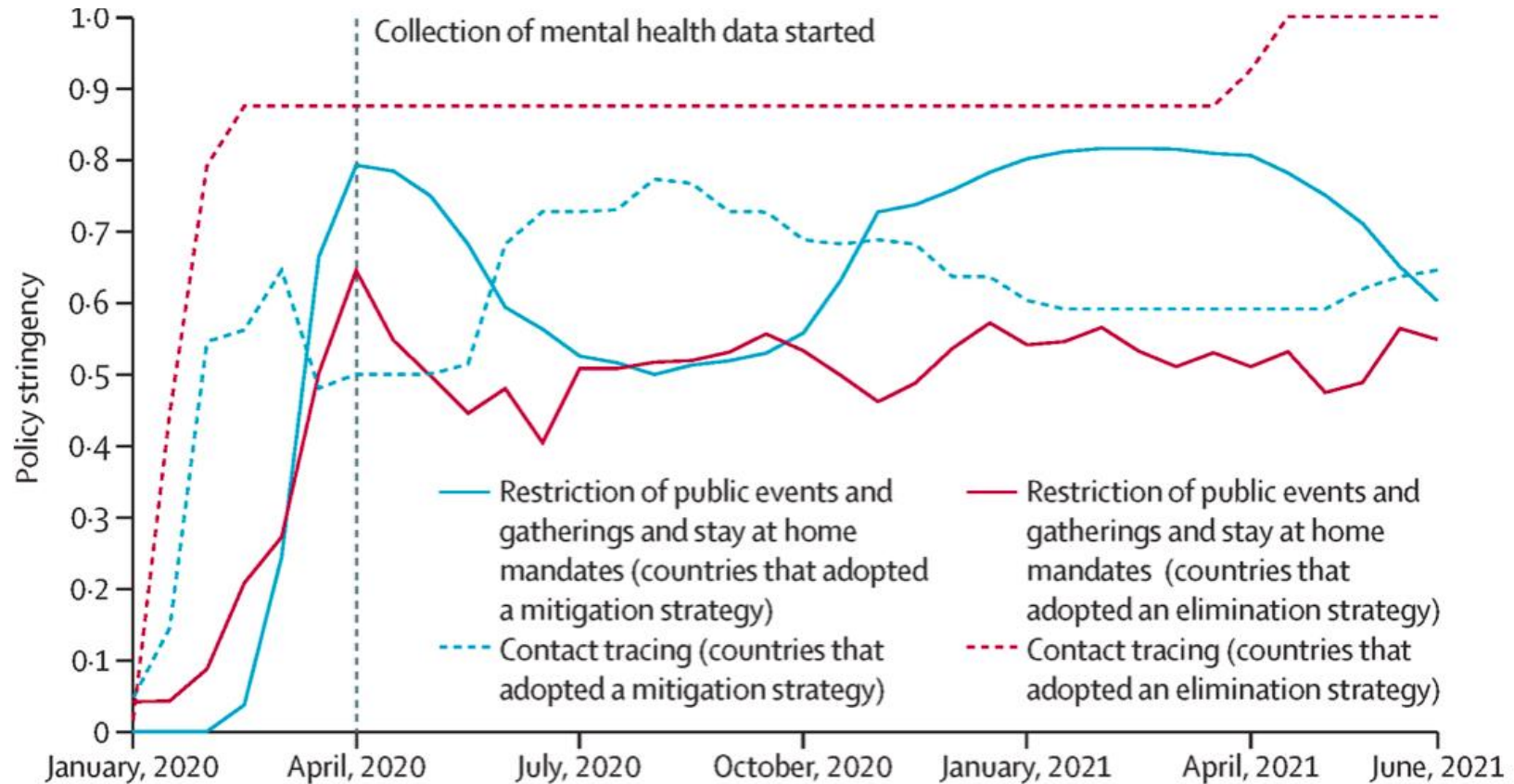


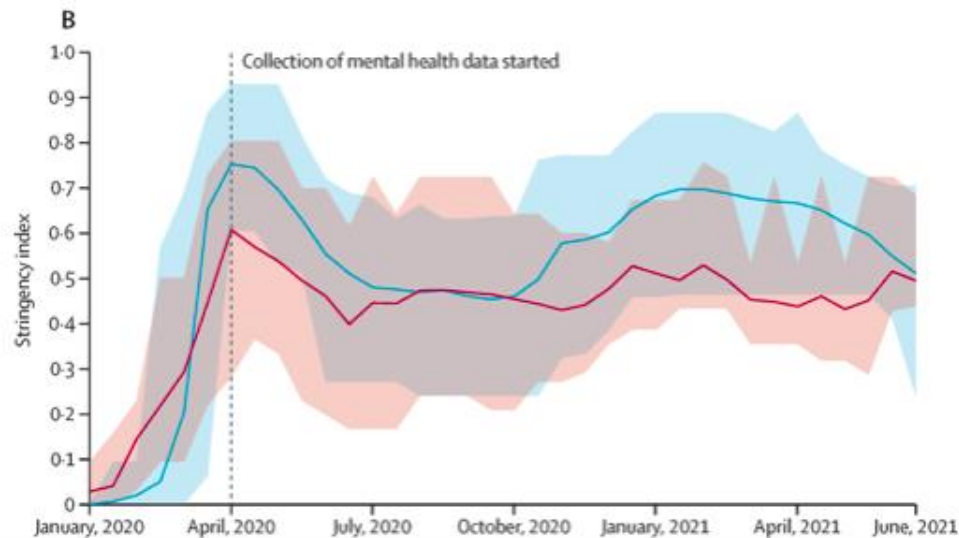
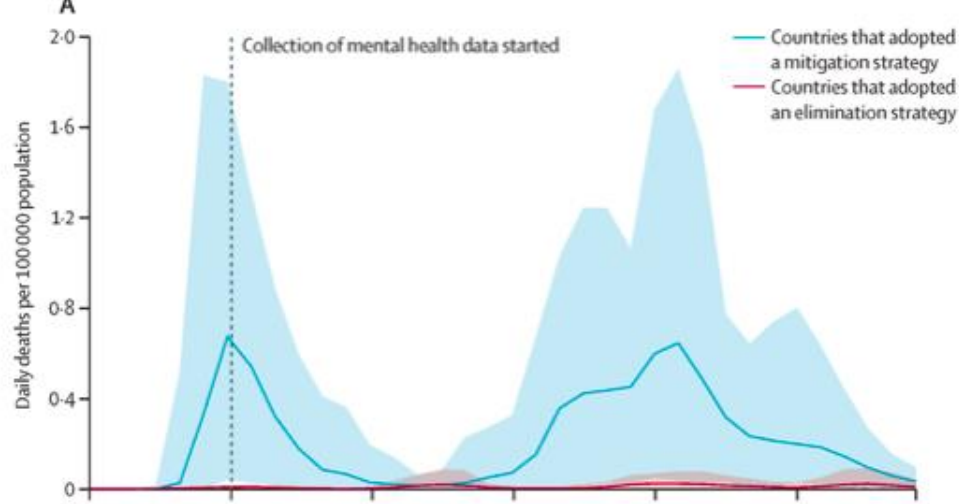
Path-dependence
in stay-at-home
policies



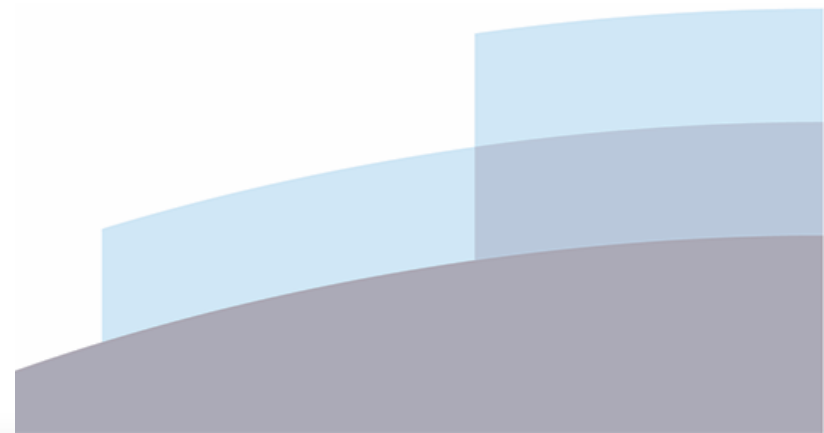
Figure 3. Countries implement stay-at-home orders at different levels of daily confirmed COVID-19 cases as the pandemic progresses

Mitigators v eliminators policies

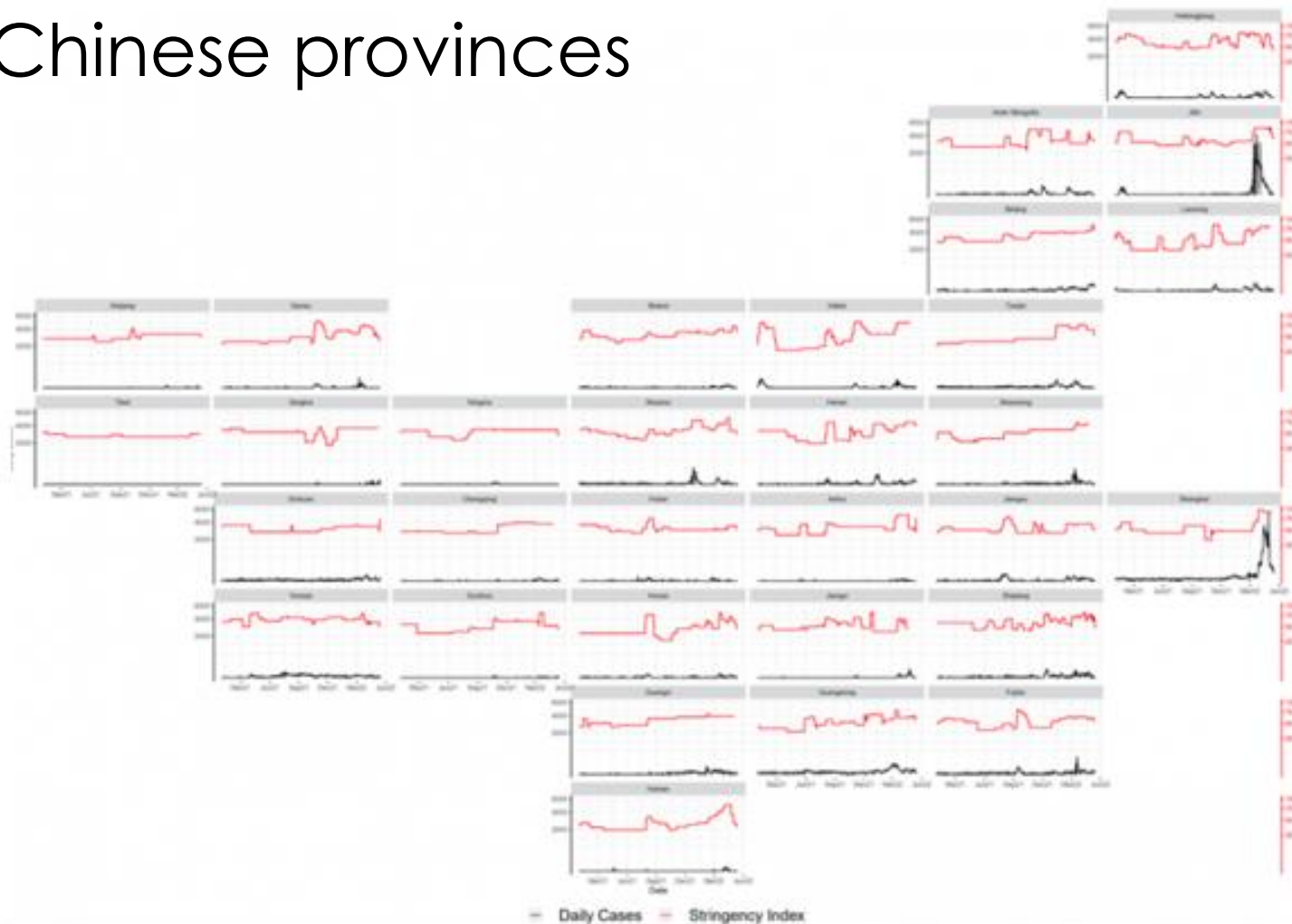




Mitigators
v. eliminators:
outcomes and
policy strength



Chinese provinces

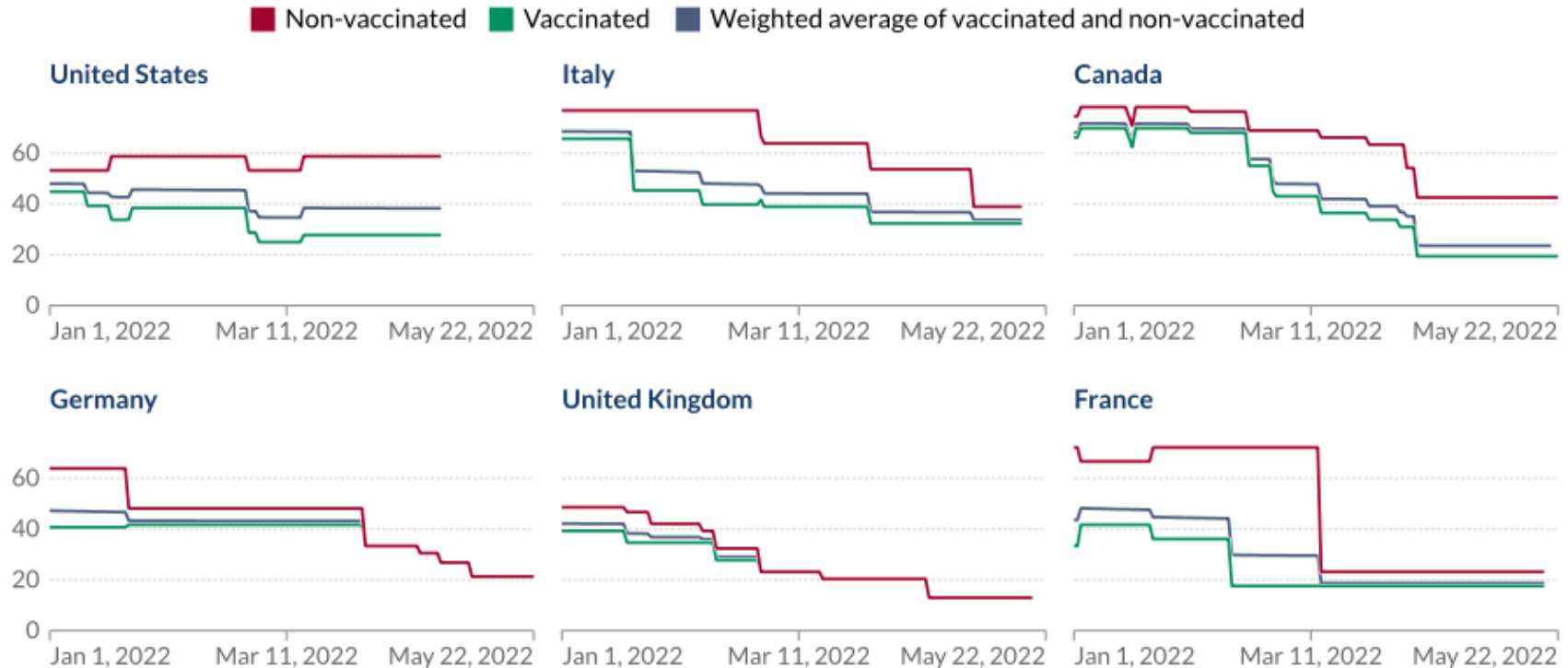


← Jilin

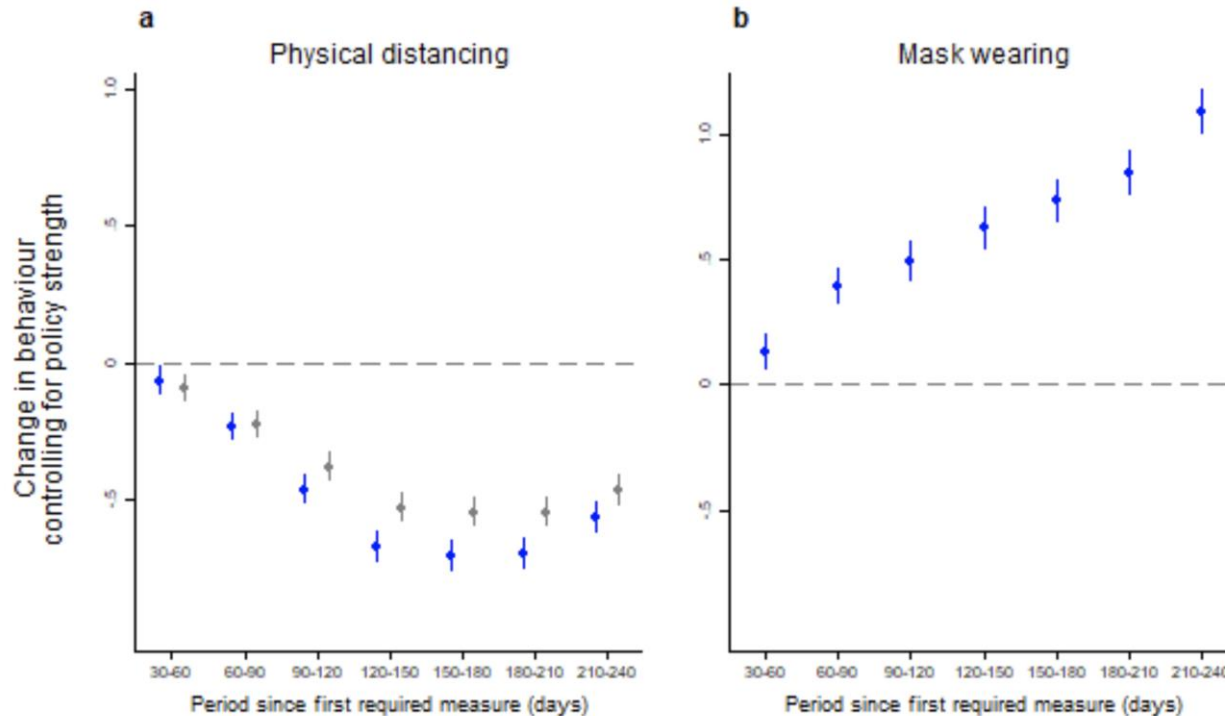
← Shanghai

Differentiated policies

<https://ourworldindata.org/metrics-explained-covid19-stringency-index>



3. Combining with other data sets



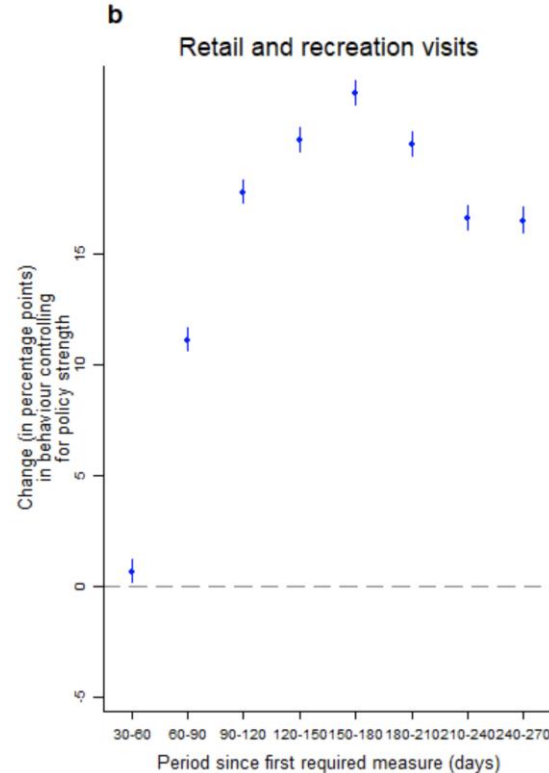
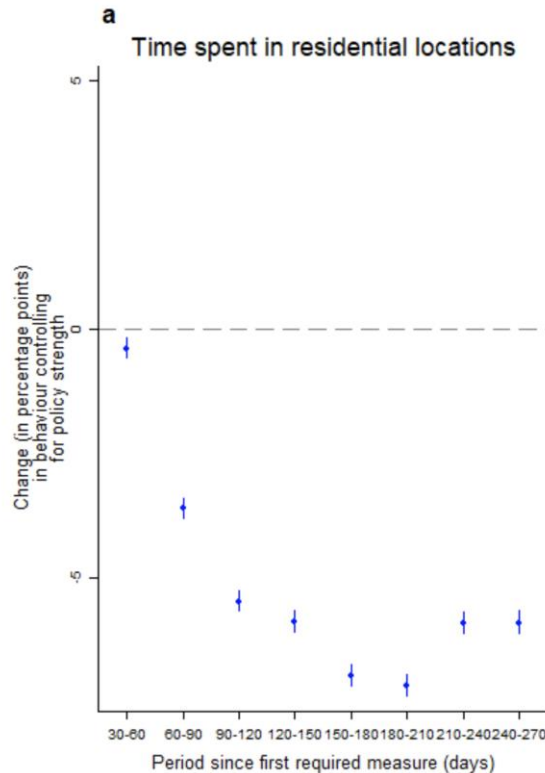
--> With YouGov/ICL
Survey responses

- Behavioural science explanations appear to account best for observed patterns

- Survey data also allows for comparison across societal groups

- ◆ Avoidance of gatherings
- ◆ Avoidance of going out

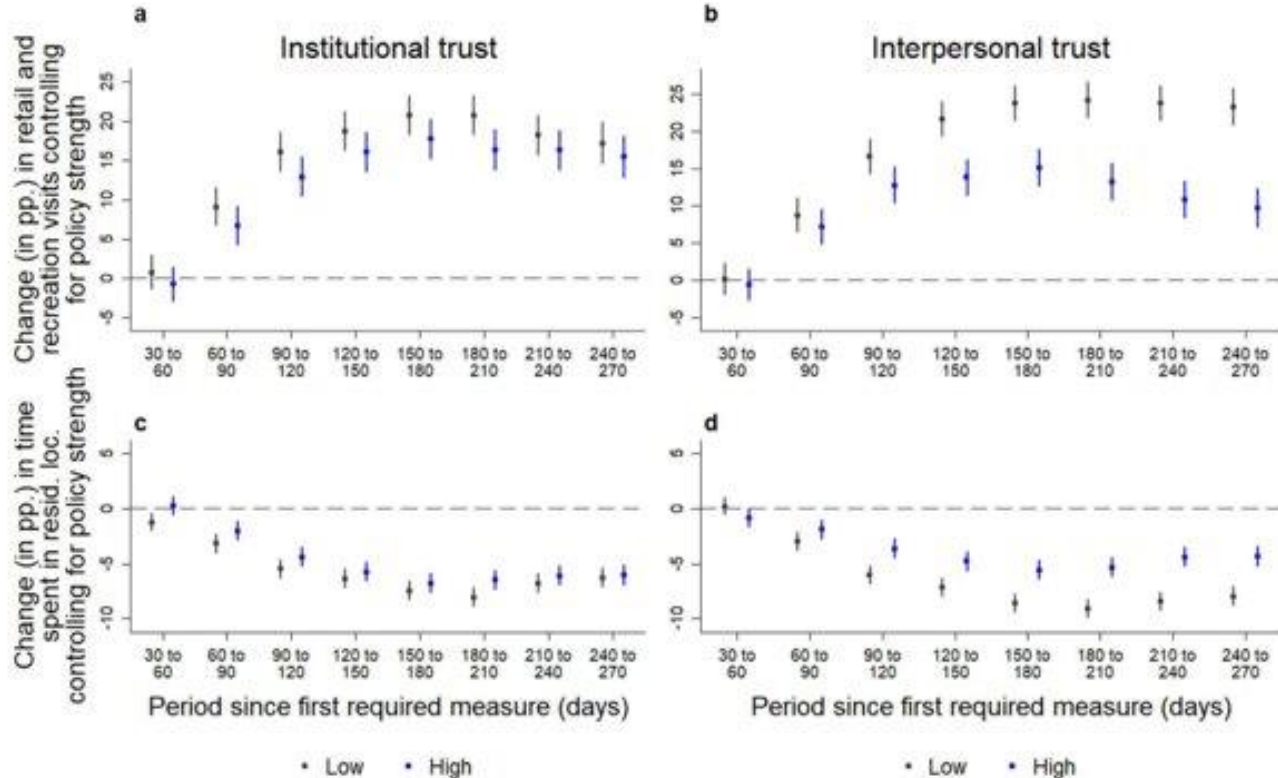
Using mobility data (protective behaviours observance continued)



--> With Google Mobility data

- Allows for comparison across many more countries
- Objective data

Different forms of trust



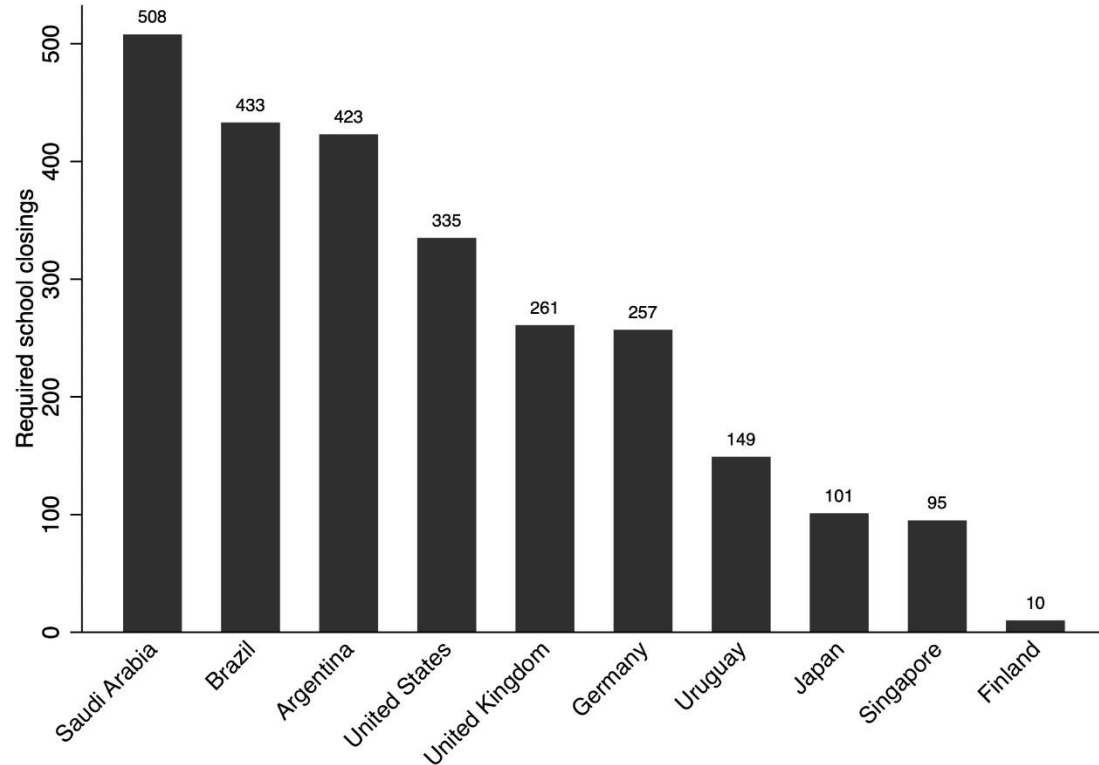
- Countries with high levels of social (also known as interpersonal) trust going into the pandemic saw more sustained adherence to protective behaviours over time

4. Looking ahead

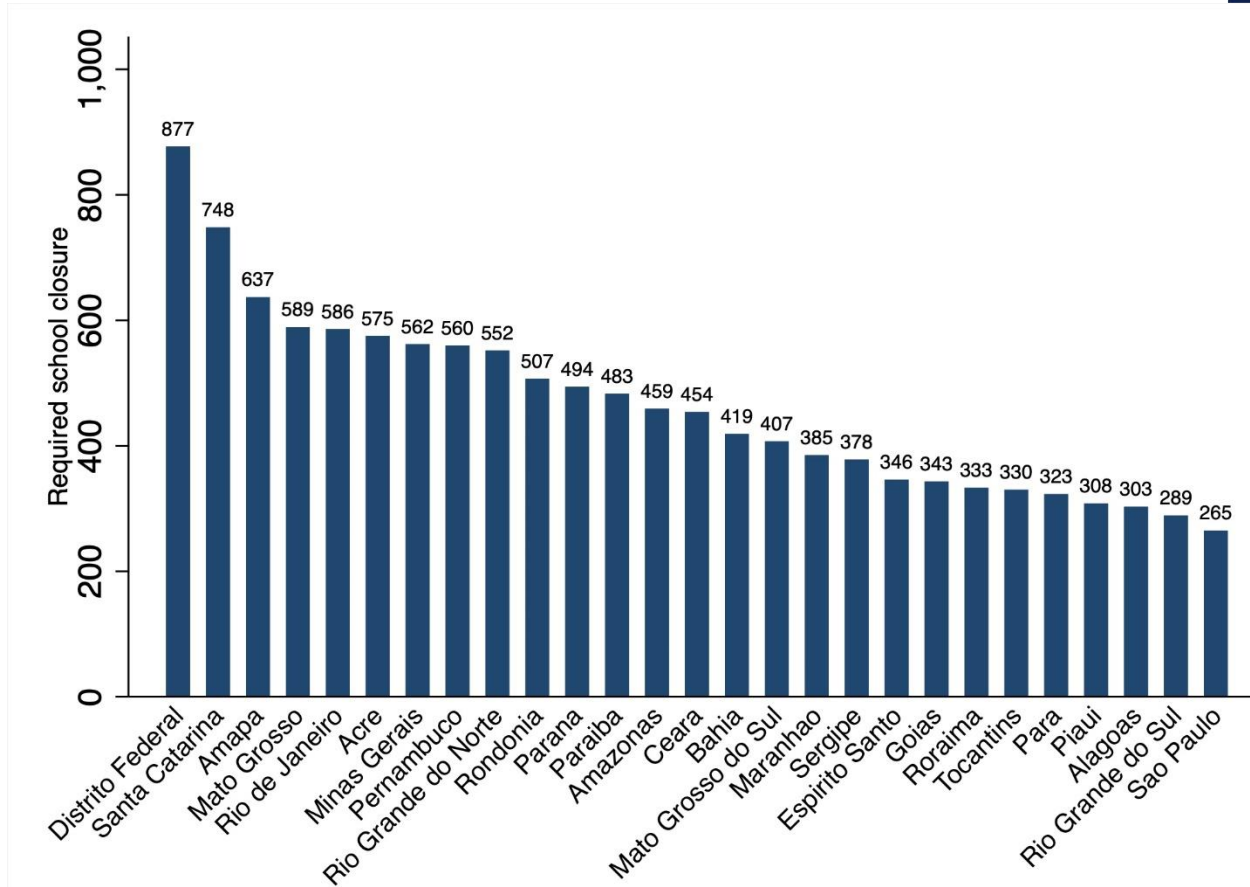
- **The building back agenda:** Variance in learning levels presents a teaching challenge as children return to the classroom. older people experienced the brunt of the health. What other inequalities might exacerbate further from this point onwards?
- **Pandemic preparedness** (or infectious disease preparedness more broadly): What can we learn about how to better manage infectious diseases of the future that pose a particular risk for older people?

Building back – e.g. school and long-term care closures

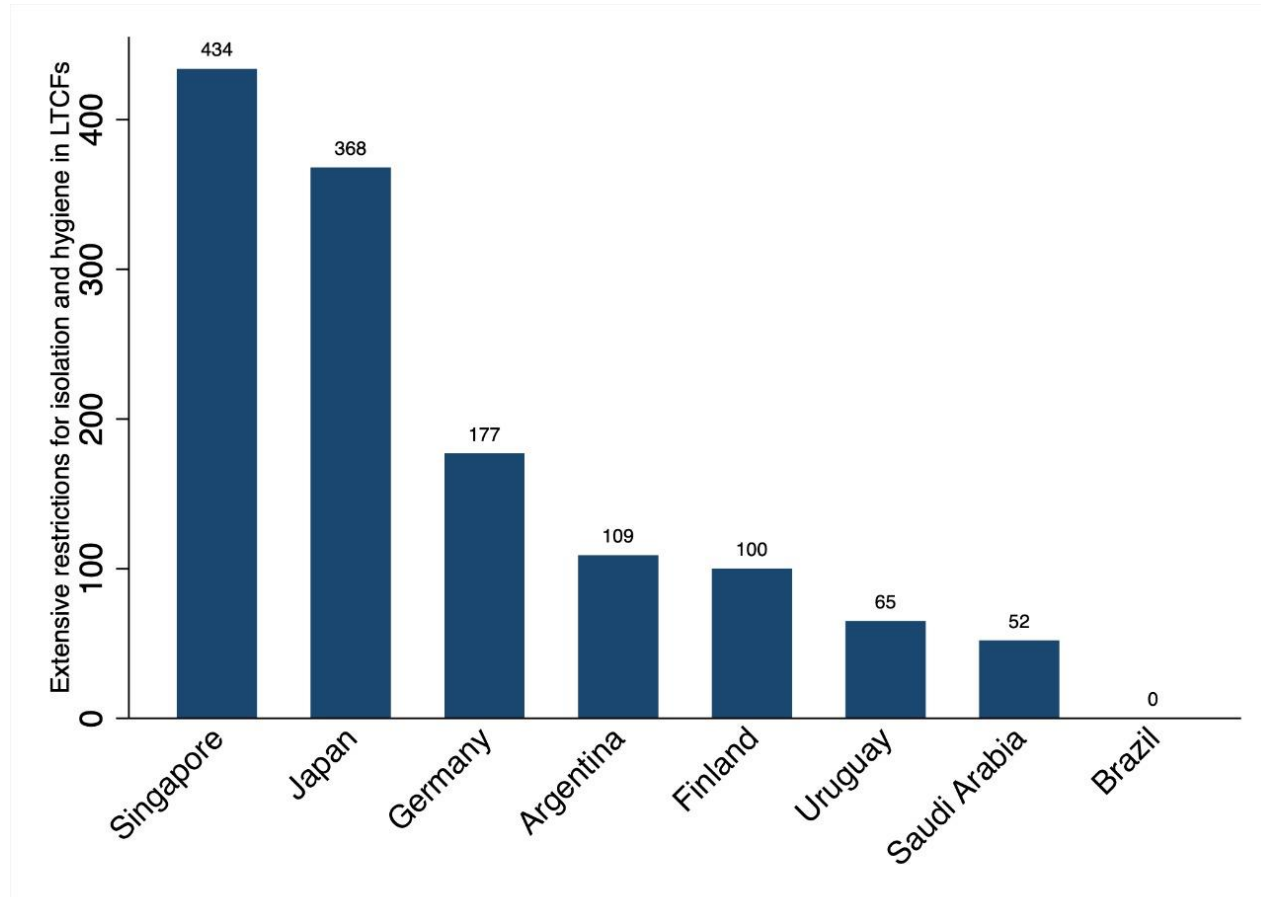
- Countries closed schools for very different periods



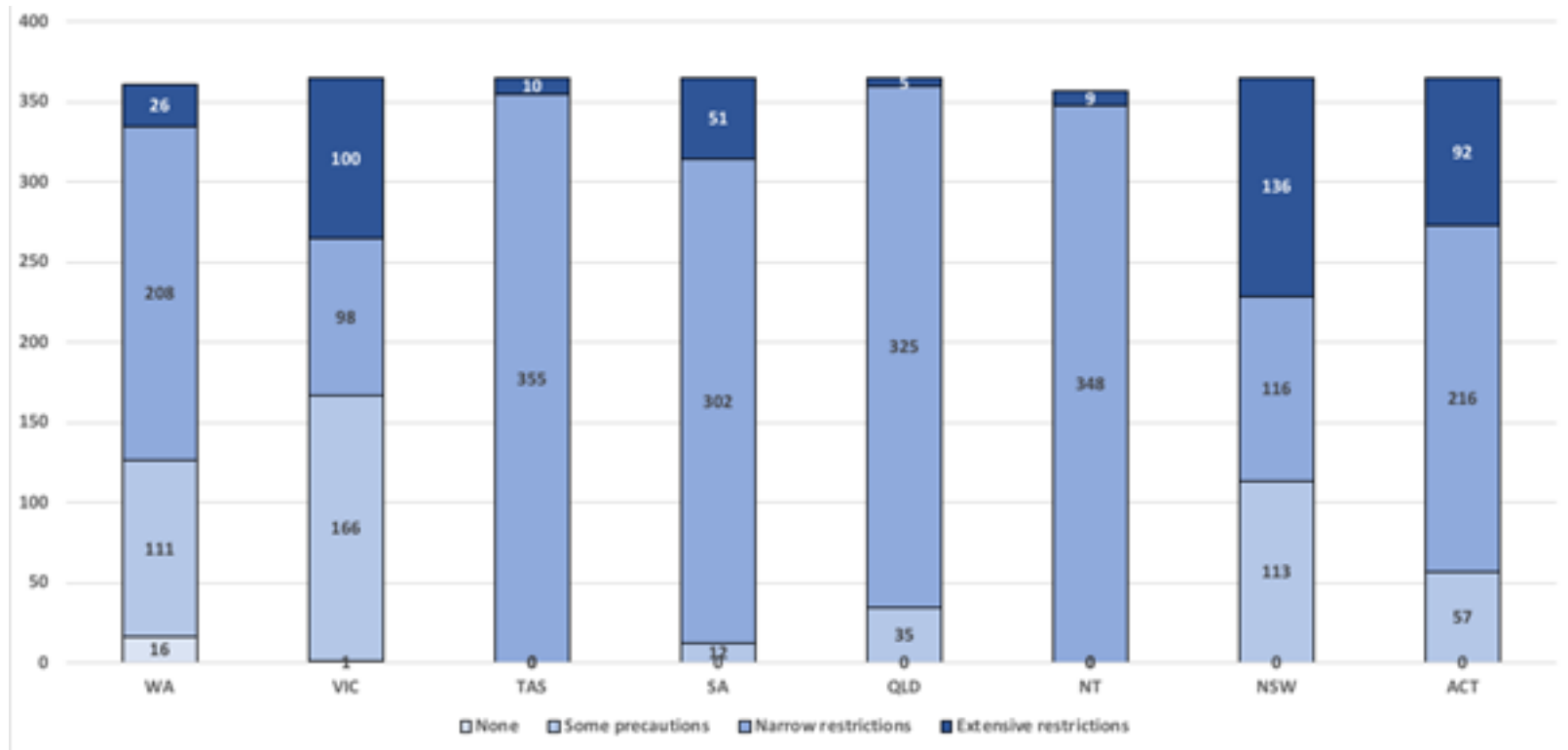
School closures across Brazil



Long-term care closures to visitors



Protection of the elderly in Australia



Thank you!



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