# CoronaNet Research Project

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https://coronanet-project.org

# CoronaNet COVID-19 Government Response Database

Database of government policy actions directed toward addressing the COVID-19 pandemic. Data collection began on March 28, 2020.

- Coverage

  - 193 countries

  - 6,816 policy events

  - Time range: December 31, 2019 to April 14, 2020

- Availability

  - Publicly available at https://coronanet-project.org

  - Updated daily with a 5-day lag for record validity checking

- Collaborators

  - Project Investigators: Joan Barceló, Cindy Cheng, Allison Spencer Hartnett, Robert Kubinec,Luca Messerschmidt

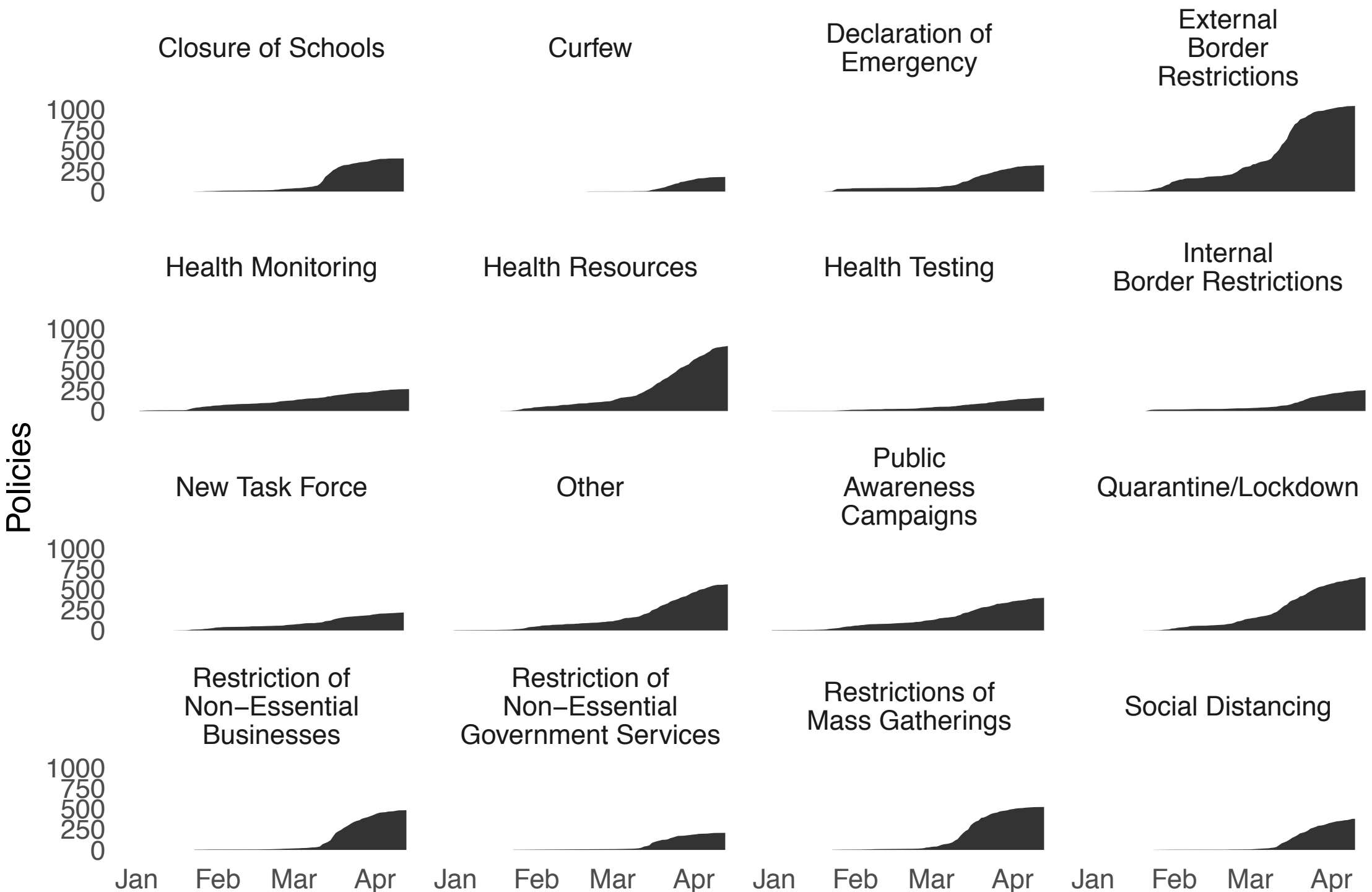  - Over 200 Research Assistants across 18 time zones

# CoronaNet Database Variables

- The type of government policy implemented (e.g. quarantine, closure of schools [16 total] )

- The level of government initiating the action (e.g. national, provincial )

- The geographical target of the policy action, if applicable (e.g. national, provincial, municipal)

- The human or material target of the policy action, if applicable (e.g. travelers, health staff)

- The directionality of the policy action, if applicable (e.g. inbound, outbound, both)

- The mechanism of travel that the policy action targets, if applicable (e.g. flights, trains)

- The compliance with the policy action (e.g. mandatory, voluntary)

- The enforcer of the policy action (e.g. national government, military)

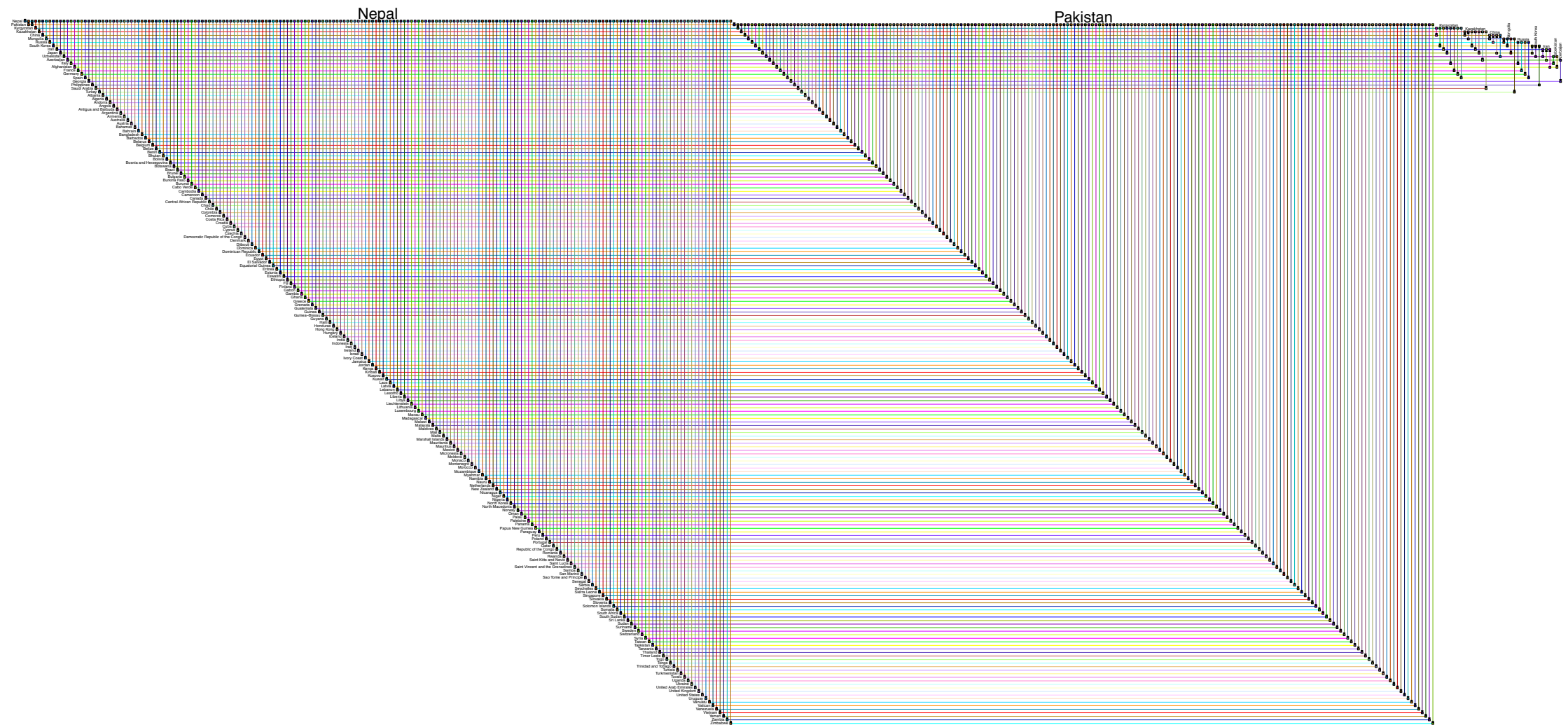- The timing of the policy action (e.g. date announced, date implemented)

| Type | Total Number of Policies | Number of Countries | Number of Targeted Countries | % With Mandatory Enforcement |
|---|---|---|---|---|
| Closure of Schools | 1250 | 157 | 3 | 86 |
| Curfew | 177 | 88 | 21 | 97 |
| Declaration of Emergency | 320 | 109 | 1 | 82 |
| External Border Restrictions | 4061 | 178 | 201 | 90 |
| Health Monitoring | 610 | 100 | 198 | 75 |
| Health Resources | 1358 | 130 | 127 | 54 |
| Health Testing | 253 | 76 | 100 | 77 |
| Internal Border Restrictions | 259 | 105 | 95 | 87 |
| New Task Force or Bureau | 218 | 90 | 1 | 49 |
| Other Policy Not Listed Above | 560 | 120 | 1 | 61 |
| Public Awareness Campaigns | 396 | 115 | 1 | 24 |
| Quarantine/Lockdown | 2845 | 145 | 202 | 80 |
| Restriction of Non-Essential Businesses | 1247 | 125 | 1 | 92 |
| Restriction of Non-Essential Government Services | 207 | 84 | 1 | 83 |
| Restrictions of Mass Gatherings | 522 | 149 | 2 | 86 |
| Social Distancing | 382 | 113 | 2 | 72 |

# Distribution of key variables

Cumulative Incidence of Policy Event Types over time

# Network Map of Bans on Inbound Flights by Asian Countries as of March 15, 2020

# Methodology

**Pre-Data Collection**

Customized Qualtrics survey instrument to document COVID-19 policies

Research Assistant training for using Qualtrics instrument

Automated collection of more than 200,000 COVID-19 news articles worldwide

**Data Collection**

Research Assistant documents COVID-19 policies in survey instrument

Use of Slack for RAs and PIs to provide feedback about documenting policies

**Post-Data Collection**

Clean the raw data for logical inconsistencies and typographical errors

Multiple Coding Validation of 10% of collected data

# Thank you

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