

Codebook for the Dataset Used in the Paper “How do Recipient Country Characteristics Impact the Efficacy of Health Aid: Evidence From the COVID-19 Pandemic”

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geoscheme – United Nations defined geoscheme.

cregion – United Nations defined continent.

WHO Region – WHO defined region.

Iso – Three letter code for countries designated by the International Organization for Standardization.

Date of first vaccination – The date of the first registered vaccination in the OWID database in datevalue format.

sixmoup – The value of the OWID variable ‘people vaccinated per 100’ at the closest available date to 6 months after the date of first vaccination.

ninemoup – The value of the OWID variable ‘people vaccinated per 100’ at the closest available date to 9 months after the date of first vaccination.

twelvemoup – The value of the OWID variable ‘people vaccinated per 100’ at the closest available date to 12 months after the date of first vaccination.

fifteenmoup – The value of the OWID variable ‘people vaccinated per 100’ at the closest available date to 15 months after the date of first vaccination. NOTE – some dates of observations may vary significantly from expected values.

libdem – The liberal democracy index (variable name v2x_libdem) for the country in 2019. Sources from the V-Dem Democracy Index database (Coppedge et al. 2023).

vscore – Calculated vax-score for the country as described in Un & Un 2024. Data taken from UNICEF immunization statistics.

Donated Vaccines of Chinese Origin – The number of vaccines listed as donated by China, Sinovac, or Sinopharm as reported in the Duke Global Health Innovation Center.

Population – The population of the country in 2019 as reported by the World Bank.

All Donated Vaccines – Total vaccines donated to the country as reported in the Duke Global Health Innovation Center.

dvaxpc – The doses of vaccines donated per capita, calculated as all donated vaccines divided by population.

percChinese – The percentage of Chinese-donated vaccines as calculated as Donated Vaccines of Chinese Origin divided by All Donated Vaccines.

ruralperc – The percentage of the country’s population defined as rural by the World Bank in 2019.

gdp – The GDP of the country in 2019, as reported by the World Bank.

loggdp – The log transformation of the GDP of the country in 2019, as reported by the World Bank.

gdppc – The GDP per capita of the country in 2019, as reported by the World Bank.

loggdppe - The log transformation of the GDP per capita of the country in 2019, as reported by the World Bank.

vaxprio12 – Summary variable V1_Vaccine prioritisation as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 12 months after the date of first vaccination.

Blank – no data

0 - no plan

1 – a prioritised plan is in place

2 – universal/general eligibility; no prioritisation between groups

vaxavail12 – Summary variable V2_Vaccine eligibility/availability as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 12 months after the date of first vaccination.

Blank – no data

0 – no categories are receiving vaccines

1 – vaccines are available to some categories

2 – vaccines are available to anyone over the age of 16 yrs

3 – vaccines are available to anyone over the age of 16 yrs PLUS one or both of 5-15 yrs and 0-4 yrs

vaxfin12 – Summary variable V3_Vaccine financial support as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 12 months after the date of first vaccination.

Blank - no data

0 – no availability

1 – full cost to the individual for all categories identified in V2

2 – full cost to the individual for some categories identified in V2, some subsidy for other categories

3- partial funding by the government for all of the categories identified in V2

4 – partial funding by the government for some categories identified in V2, full funding for other categories

5 – all categories fully funded by the government

vaxman12 – Summary variable V4_Mandatory Vaccination as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 12 months after the date of first vaccination.

Blank - no data

0 – no requirement to be vaccinated

1 – requirement to be vaccinated is in place for one or more groups

vaxprio9 - Summary variable V1_Vaccine prioritisation as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 9 months after the date of first vaccination.

Blank – no data

0 - no plan

1 – a prioritised plan is in place

2 – universal/general eligibility; no prioritisation between groups

vaxavail9 - Summary variable V2_Vaccine eligibility/availability as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 9 months after the date of first vaccination.

Blank – no data

0 – no categories are receiving vaccines

1 – vaccines are available to some categories

2 – vaccines are available to anyone over the age of 16 yrs

3 – vaccines are available to anyone over the age of 16 yrs PLUS one or both of 5-15 yrs and 0-4 yrs

vaxfin9 - Summary variable V3_Vaccine financial support as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 9 months after the date of first vaccination.

Blank - no data

0 – no availability

1 – full cost to the individual for all categories identified in V2

2 – full cost to the individual for some categories identified in V2, some subsidy for other categories

3- partial funding by the government for all of the categories identified in V2

4 – partial funding by the government for some categories identified in V2, full funding for other categories

5 – all categories fully funded by the government

vaxman9 - Summary variable V4_Mandatory Vaccination as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 9 months after the date of first vaccination.

Blank - no data

0 – no requirement to be vaccinated

1 – requirement to be vaccinated is in place for one or more groups

vaxprio6 - Summary variable V1_Vaccine prioritisation as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 6 months after the date of first vaccination.

Blank – no data

0 - no plan

1 – a prioritised plan is in place

2 – universal/general eligibility; no prioritisation between groups

vaxavail6 - Summary variable V2_Vaccine eligibility/availability as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 6 months after the date of first vaccination.

Blank – no data

0 – no categories are receiving vaccines

1 – vaccines are available to some categories

2 – vaccines are available to anyone over the age of 16 yrs

3 – vaccines are available to anyone over the age of 16 yrs PLUS one or both of 5-15 yrs and 0-4 yrs

vaxfin6 - Summary variable V3_Vaccine financial support as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 6 months after the date of first vaccination.

Blank - no data

0 – no availability

1 – full cost to the individual for all categories identified in V2

2 – full cost to the individual for some categories identified in V2, some subsidy for other categories

3- partial funding by the government for all of the categories identified in V2

4 – partial funding by the government for some categories identified in V2, full funding for other categories

5 – all categories fully funded by the government

vaxman6 - Summary variable V4_Mandatory Vaccination as defined in the Oxford COVID-19 Government Response Tracker (Hale et al. 2021) taken at the closest available date to 6 months after the date of first vaccination.

Blank - no data

0 – no requirement to be vaccinated

1 – requirement to be vaccinated is in place for one or more groups

Sources:

Coppedge, Michael, John Gerring, Carl Henrik Knutsen, Staffan I. Lindberg, Jan Teorell, Kyle L. Marquardt, Juraj Medzihorsky, Daniel Pemstein, Lisa Gastaldi, Sandra Grahn, Josefine Pernes, Oskar Rydén, Johannes von Römer, Eitan Tzelgov, Yi-ting Wang, and Steven Wilson. "V-Dem Methodology v13" Varieties of Democracy (V-Dem) Project (2023).

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