SI Guide for "The Effect of Large-Scale Anti-Contagion Policies on the Coronavirus (COVID-19) Pandemic"

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The following sections provide additional information to support the article and to document our data collection and processing procedures.

All data and code are available at https://github.com/bolliger32/gpl-covid.

Additional resources and updates are available at www.globalpolicy.science/covid19.

For repository related questions, please contact bolliger@berkeley.edu.

For data related questions, please contact peiley@berkeley.edu.

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Supplementary Notes:

Describes the data acquisition and processing for the epidemiological and policy data. The sources for both types of data come from a variety of in-country data sources, which include government public health websites, regional newspaper articles, and Wikipedia crowd-sourced information. We have supplemented this data with international data compilations.

Supplementary Methods:

Describes sensitivity analyses and simulations performed to verify the robustness of our model, including: the sensitivity of our regression model and counterfactual projections to varying epidemiological parameters; and the sensitivity of our estimates to alternative lag structures, withholding of data, and differing policy groupings.

Supplementary Tables:

Contains tables detailing: 1) the number of anti-contagion policies tabulated by administrative division in each country; 2) the main regression results estimating the effect of policy on growth rates; and 3) epidemiological data in Wuhan prior to policy intervention, and estimates of the initial infection growth rate and case doubling times.

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