## **Supplemental Online Content**

MacKinnon NJ, Emery V, Waller J, et al. Mapping health disparities in 11 high-income nations. *JAMA Netw Open.* 2023;6(7):e2322310. doi:10.1001/jamanetworkopen.2023.22310

eTable 1. Rurality Definition for Each Country

**eTable 2.** Health Care System Performance Ranking 2021 and Health Insurance Coverage

This supplemental material has been provided by the authors to give readers additional information about their work.

| eTable 1. Rurality Definition for Each Cou |  |  |  |  |  |
|--|--|--|--|--|--|
| Country                                    | Definition   |  |  |  |  |
| Australia                                  | Postal Code variable in the IHP Survey (DZA) combined        |  |  |  |  |
|  | with definition of rural /urban postal codes at              |  |  |  |  |
|  | https://www.agriculture.gov.au/biosecurity-                  |  |  |  |  |
|  | trade/import/online-services/delivery-postcode-              |  |  |  |  |
|  | classifications  |  |  |  |  |
| Canada                                     | Question in the IHP Survey Community Size (Q620).            |  |  |  |  |
|  | Rural was defined as <5000 or 5000-99,999.                   |  |  |  |  |
| France                                     | Postal Code variable in the IHP Survey (D-ZF)                |  |  |  |  |
|  | combined with National Institute of Statistics and           |  |  |  |  |
|  | Economic Studies (INSEE.fr) postal code, population          |  |  |  |  |
|  | density, and rurality definitions. Rural was defined as      |  |  |  |  |
|  | "Sparsely Populated Commune" and "Very Sparsely              |  |  |  |  |
|  | Populated Commune."  |  |  |  |  |
| Germany                                    | Question in the IHP Survey (Q2150): "Which of the            |  |  |  |  |
|  | following describes where you live?" Rurality was            |  |  |  |  |
|  | defined as "Village or rural location."                      |  |  |  |  |
| The Netherlands                            | Regions/Provinces question in the IHP Survey (Q630)          |  |  |  |  |
|  | and province-based population density from Statistics        |  |  |  |  |
|  | Netherlands CBS Open data StatLine. The population           |  |  |  |  |
|  | density of the region from StatLine and the World            |  |  |  |  |
|  | Bank definition of rurality based on population density      |  |  |  |  |
|  | of "Rural areas (thinly populated areas) <100                |  |  |  |  |
|  | inhabitants/km <sup>2"</sup> was used to define rurality.    |  |  |  |  |
| New Zealand                                | Question in the IHP Survey (DNZU): "Would you say            |  |  |  |  |
|  | your living area is" and defined rurality as "A              |  |  |  |  |
|  | regional or rural area."                                     |  |  |  |  |
| Norway                                     | Question in the IHP Survey (Q2150): "Which of the            |  |  |  |  |
| •  | following describes where you live?" Rurality was            |  |  |  |  |
|  | defined as "Village or rural location."                      |  |  |  |  |
| Sweden                                     | Question in the IHP Survey Community Type (Q617)             |  |  |  |  |
|  | and defined rurality as the World Bank definition of         |  |  |  |  |
|  | rurality based on population density of "Rural areas         |  |  |  |  |
|  | (thinly populated areas) <100 inhabitants/km. <sup>2</sup> " |  |  |  |  |
| Switzerland                                | Question in the IHP Survey Community Type (Q615).            |  |  |  |  |
|  | Rurality was defined as a "Village or rural Location".       |  |  |  |  |
| United Kingdom                             | Question in the IHP Survey (Q2150): "Which of the            |  |  |  |  |
| ŭ  | following describes where you live?" Rurality was            |  |  |  |  |
|  | defined as "Village or rural location".                      |  |  |  |  |
| United States                              | Used the zip code variable DZ1 f and the                     |  |  |  |  |
|  | https://www.hrsa.gov/rural-health/about-us/what-is-          |  |  |  |  |
|  | rural/data-files that gives those zip codes which are in     |  |  |  |  |
|  | rural areas.   |  |  |  |  |

e Table 2: Health Care System Performance Ranking 2021 and Health Insurance Coverage<sup>a</sup>

|  | AUS       | CAN | FRA | GER  | NETH | NZ   | NOR | SWE | SWI  | UK   | US       |  |  |
|--|-----------|-----|-----|------|------|------|-----|-----|------|------|----------|--|--|
| Overall Ranking <sup>b</sup>                                     | 3         | 10  | 8   | 5    | 2    | 6    | 1   | 7   | 9    | 4    | 11       |  |  |
| Access to Care   | 8         | 9   | 7   | 3    | 1    | 5    | 2   | 6   | 10   | 4    | 11       |  |  |
| Care Process   | 6         | 4   | 10  | 9    | 3    | 1    | 8   | 11  | 7    | 5    | 2        |  |  |
| Administrative<br>Efficiency                                     | 2         | 7   | 6   | 9    | 8    | 3    | 1   | 5   | 10   | 4    | 11       |  |  |
| Equity   | 1         | 10  | 7   | 2    | 5    | 9    | 8   | 6   | 3    | 4    | 11       |  |  |
| Health Care Outcomes   | 1         | 10  | 6   | 7    | 4    | 8    | 2   | 5   | 3    | 9    | 11       |  |  |
| Health Insurance Coverage (%) <sup>c</sup>                       |           |     |     |      |      |      |     |     |      |      |          |  |  |
| Public   | 100       | 100 | 100 | 88   | 100  | 100  | 100 | 100 | 100  | 100  | 34       |  |  |
| Private  | 46-<br>55 | 67  | 95  | 10.6 | 84   | 33   | 10  | 6   | ı    | 10.5 | 67       |  |  |
| Maximum out-of-pocket costs per year (safety net) <sup>c,d</sup> |           |     |     |      |      |      |     |     |      |      |          |  |  |
|  | 322       | N/A | 63  | N/A  | 493  | 7-17 | 281 | 120 | 2645 | N/A  | Variable |  |  |

Abbreviation: N/A, Not Applicable

## Footnotes:

- a: Prior permission from Commonwealth Fund was sought for the data reproduction.
- b: Schneider, E.C.; Shah, A.; Doty, M.M.; Tikkanen, R.; Fields, K.; Williams, R.; II, M.M. Reflecting Poorly: Health Care in the US Compared to Other High-Income Countries. *New York: The Commonwealth Fund* **2021**.
- c: Tikkanen, R.; Osborn, R.; Mossialos, E.; Djordjevic, A.; Wharton, G. International profiles of health care systems. *The Commonwealth Fund* **2020**.
- d: Shown in US dollars for primary care visits for an adult.