Table: Examination of the common factors that propel vaccinations and organ donations

a) Results of the Pearson's correlation coefficients

| Factor                          | 1) Progress of vaccinations$^{(1)}$ | 2) Trust in medical professionals$^{(2)}$ | 3) Trust in the government$^{(3)}$ | 4) Social solidarity$^{(4)}$ |
|--------------------------------|------------------------------------|---------------------------------------------|-----------------------------------|-------------------------------|
| Pearson's correlation coefficients | 0.438**                            | 0.451**                                     | 0.586**                           | 0.734**                       | 0.643**                       |
| (Number of valid variables)     | (38)                               |                                             | (37)                              |                               |                               |

$^{(1)}$ Pearson's correlation coefficients for progress of vaccinations.
$^{(2)}$ Pearson's correlation coefficients for trust in medical professionals.
$^{(3)}$ Pearson's correlation coefficients for trust in the government.
$^{(4)}$ Pearson's correlation coefficients for social solidarity.
5) GDP\(^{(5)}\)

| Pearson’s correlation coefficients | (Number of valid variables) |
|-----------------------------------|-----------------------------|
| 0.348*                           | (38)                        |
| 0.502**                          | (38)                        |
| 0.663**                          | (37)                        |
| 0.604**                          | (26)                        |

6) Organ donations\(^{(6)}\)

| Pearson’s correlation coefficients | (Number of valid variables) |
|-----------------------------------|-----------------------------|
| 0.457**                           | (37)                        |
| 0.592**                           | (37)                        |
| 0.267                             | (36)                        |
| 0.497*                           | (25)                        |
| 0.453**                           | (37)                        |

\[**p<0.01, \,*p<0.05.\]

b) Results of the multiple linear regression

| Response variable | Explanatory variable | Unstandardized Coefficients | Standardized Coefficients | t value | Adjusted R Square |
|-------------------|----------------------|-----------------------------|---------------------------|---------|------------------|
|                   |                      | B                           | St. Error                 | β       |                  |
| Progress of vaccines\(^{(1)}\) | Trust in medical professionals\(^{(2)}\)** | 0.432                       | 0.126                     | 0.801   | 3.416            | 0.412           |
|                   | Trust in the government\(^{(3)}\)        | 0.231                       | 0.171                     | 0.358   | 1.352            |                 |
|                                | Estimate | Lower CI | Upper CI | p-value |
|--------------------------------|----------|----------|----------|---------|
| Social solidarity$^{(4)*}$     | -106.407 | 43.391   | -0.636   | -2.452  |
| GDP$^{(5)}$                    | 0.037    | 0.105    | 0.087    | 0.349   |
| (Const.$)^{**}$                | 121.410  | 30.409   | 3.993    |
| Organ donations$^{(6)}$        | 0.948    | 0.259    | 0.812    | 3.655   | 0.486   |
| Trust in medical professionals$^{(2)**}$ | -0.395   | 0.350    | -0.264   | -1.129  |
| Trust in the government$^{(3)}$|          |          |          |         |
| Social solidarity$^{(4)}$      | 15.754   | 95.876   | 0.044    | 0.170   |
| GDP$^{(5)}$                    | 0.098    | 0.262    | 0.087    | 0.373   |
| (Const.)                       | 14.336   | 64.583   | 0.222    |
**p<0.01, *p<0.05.

(1) The degree of COVID-19 vaccination progress utilizes data as of October 1, 2021. Data source: Our World in Data (https://ourworldindata.org/covid-vaccinations) “Share of people vaccinated against COVID-19,” which indicates the percentage of vaccinated people in the population. Those both fully and partly vaccinated against COVID-19 were included in the study.

(2) Gallup. “Confidence and trust in health professionals and hospitals” (Chart 3.6 & Q11E in Appendix D: Dataset and crosstabs for all countries). Wellcome Global Monitor 2018 (https://wellcome.org/reports/wellcome-global-monitor/2018).

(3) OECD. “Trust in Government” (10. Core Government Results). Government at a Glance (2019). https://doi.org/10.1787/8ccf5c38-en.

(4) “Solidarity index by country” (Table 5). Sanz García M, Caselles A, Micó Ruiz JC, Soler Fernández D. Development of the Happiness Index in a country. Systems & Design: Beyond Processes and Thinking (2016) 807–818. http://dx.doi.org/10.4995/IFDP.2016.3096.

(5) International Monetary Fund. GDP (nominal) per capita. "World Economic Outlook Database, April 2021".

(6) Organ transplant data shows the number of transplants per one million population in all countries in 2019. Global Observatory on Donation and Transplantation(http://www.transplant-observatory.org/) was utilized.