

S4 Table. Projected global gross expenditures on R&D as a share of GDP and relative to population, 2015-2050

| | GERD as % of GDP | | | | | | | | GERD per capita | | | | | | | |
|------------------------------------|-----------------------------|------------|------------|------------|------------|------------|------------|------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
| | <i>(GERD as a % of GDP)</i> | | | | | | | | <i>(2009 International Dollars per Person)</i> | | | | | | | |
| High Income | 2.5 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.1 | 3.1 | 1,001.3 | 1,163.7 | 1,325.2 | 1,480.7 | 1,633.8 | 1,781.5 | 1,930.5 | 2,084.7 |
| United States | 3.0 | 3.2 | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 1,481.9 | 1,686.4 | 1,829.4 | 1,944.1 | 2,057.7 | 2,177.2 | 2,302.7 | 2,436.1 |
| Japan | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 1,242.3 | 1,368.2 | 1,541.9 | 1,707.7 | 1,861.6 | 1,999.8 | 2,141.1 | 2,290.1 |
| Germany | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 1,201.6 | 1,348.1 | 1,444.8 | 1,511.3 | 1,584.0 | 1,680.7 | 1,799.5 | 1,943.6 |
| Republic of Korea | 3.8 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 1,263.5 | 1,420.0 | 1,655.7 | 1,944.3 | 2,288.6 | 2,598.5 | 2,891.8 | 3,140.5 |
| France | 2.4 | 2.8 | 3.2 | 3.3 | 3.4 | 3.4 | 3.4 | 3.5 | 868.8 | 1,078.2 | 1,268.7 | 1,416.9 | 1,533.0 | 1,634.5 | 1,740.5 | 1,853.2 |
| United Kingdom | 1.8 | 2.1 | 2.6 | 3.0 | 3.2 | 3.4 | 3.4 | 3.4 | 652.8 | 866.5 | 1,128.8 | 1,398.2 | 1,624.5 | 1,801.2 | 1,942.8 | 2,060.1 |
| Upper Middle Income | 1.4 | 1.6 | 1.9 | 2.1 | 2.3 | 2.4 | 2.5 | 2.6 | 190.8 | 259.3 | 345.6 | 446.2 | 562.4 | 699.5 | 861.5 | 1,051.2 |
| China | 2.2 | 2.6 | 3.0 | 3.3 | 3.4 | 3.4 | 3.4 | 3.5 | 256.1 | 360.0 | 488.8 | 629.9 | 781.2 | 952.9 | 1,158.5 | 1,411.8 |
| Former Soviet Union | 1.0 | 1.1 | 1.2 | 1.4 | 1.7 | 2.1 | 2.5 | 2.9 | 160.6 | 198.9 | 253.3 | 332.2 | 447.2 | 611.6 | 831.3 | 1,086.9 |
| Brazil | 1.3 | 1.5 | 1.8 | 2.2 | 2.7 | 3.1 | 3.3 | 3.4 | 189.2 | 254.8 | 349.0 | 480.3 | 647.9 | 828.3 | 997.1 | 1,153.6 |
| Turkey | 1.0 | 1.1 | 1.3 | 1.5 | 1.8 | 2.2 | 2.7 | 3.1 | 187.3 | 249.1 | 337.8 | 467.5 | 660.0 | 937.4 | 1,306.0 | 1,730.6 |
| Iran | 0.8 | 0.8 | 0.9 | 1.0 | 1.1 | 1.3 | 1.5 | 1.8 | 117.3 | 149.5 | 189.0 | 241.7 | 312.8 | 409.0 | 539.8 | 720.6 |
| Lower Middle Income | 0.5 | 0.5 | 0.6 | 0.6 | 0.7 | 0.8 | 0.9 | 1.1 | 29.6 | 37.2 | 47.9 | 63.3 | 85.9 | 120.3 | 173.2 | 253.5 |
| India | 0.8 | 0.9 | 1.0 | 1.1 | 1.3 | 1.6 | 1.9 | 2.3 | 44.8 | 58.7 | 78.8 | 108.8 | 154.7 | 227.0 | 342.7 | 523.6 |
| Egypt | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 48.8 | 60.0 | 73.9 | 91.1 | 111.5 | 134.4 | 159.1 | 185.8 |
| Pakistan | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 15.2 | 17.3 | 19.8 | 22.7 | 25.8 | 29.0 | 32.4 | 35.6 |
| Low Income | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 5.8 | 7.0 | 8.7 | 11.0 | 14.1 | 18.3 | 23.7 | 30.3 |
| Kenya | 1.0 | 1.2 | 1.3 | 1.6 | 1.9 | 2.4 | 2.8 | 3.1 | 22.9 | 30.4 | 41.9 | 59.6 | 86.3 | 124.9 | 175.0 | 231.1 |
| Tanzania | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 9.3 | 12.1 | 16.1 | 21.3 | 28.0 | 36.4 | 47.1 | 60.6 |
| Uganda | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 9.0 | 11.1 | 13.9 | 17.5 | 22.2 | 28.3 | 36.2 | 46.5 |
| Ethiopia PDR | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 3.4 | 4.1 | 4.8 | 5.3 | 5.8 | 6.1 | 6.4 | 6.6 |
| East/South Asia and Pacific | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 | 115.9 | 158.0 | 209.8 | 267.8 | 333.9 | 415.5 | 522.6 | 666.7 |
| Europe and Central Asia | 0.9 | 1.1 | 1.2 | 1.4 | 1.7 | 2.1 | 2.5 | 2.8 | 162.8 | 208.7 | 274.7 | 371.1 | 511.3 | 710.4 | 973.1 | 1,277.7 |
| LAC | 0.8 | 0.9 | 1.0 | 1.1 | 1.3 | 1.4 | 1.5 | 1.5 | 107.0 | 135.6 | 175.0 | 228.3 | 294.9 | 366.0 | 432.7 | 495.2 |
| MENA | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 53.6 | 66.1 | 81.7 | 102.6 | 130.2 | 165.9 | 211.3 | 269.5 |
| SSA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 13.4 | 15.2 | 17.7 | 20.9 | 25.0 | 30.4 | 37.4 | 46.0 |
| World Total | 1.7 | 1.9 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 | 242.3 | 289.7 | 342.3 | 398.3 | 459.5 | 528.7 | 610.8 | 710.1 |

Source: Baseline projections. See S1 File (including Table A1) for additional details.

Notes: Country-specific shares are shares of respective income class.