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Gross domestic expenditure on research and development, by funding and performing sectors in selected OECD countries

| Country | Year ¹ | R&D expenditure | | Financed by | | | Performed by | | | |
|----------------------------|-------------------|--------------------------------|-------------------|----------------------------|-------------------|-----------------------------------|----------------------------|-------------------|--------------------------------------|-------------------------|
| | | Millions of US-\$ ² | Share of GDP in % | Business enterprise sector | Government sector | Other national sources and abroad | Business enterprise sector | Government sector | Higher education sector ³ | PNP sector ⁴ |
| Share in % | | | | | | | | | | |
| Japan ⁸ | 2018 | 172,035.8 | 3.22 | 79.1 | 14.6 | 6.4 | 79.4 | 7.8 | 11.6 | 1.3 |
| | 2019 | 173,928.4 | 3.22 | 78.9 | 14.7 | 6.4 | 79.2 | 7.8 | 11.7 | 1.3 |
| | 2020 | 174,926.4 | 3.26 | 78.3 | 15.2 | 6.5 | 78.7 | 8.3 | 11.7 | 1.4 |
| | 2021 | 183,467.4 | 3.28 | 78.1 | 15.5 | 6.5 | 78.6 | 8.4 | 11.9 | 1.2 |
| | 2022 | 200,769.8 | 3.41 | 78.5 | 15.1 | 6.4 | 79.4 | 7.9 | 11.5 | 1.2 |
| Canada | 2018 | 32,190.0 | 1.74 | 44.3 | 31.3 | 24.4 | 53.7 | 7.0 | 38.9 | 0.4 |
| | 2019 | 33,354.4 | 1.76 | 43.9 | 31.5 | 24.6 | 54.0 | 6.7 | 38.9 | 0.5 |
| | 2020 | 35,739.7 | 1.93 | 44.6 | 31.1 | 24.4 | 55.1 | 7.4 | 37.0 | 0.4 |
| | 2021 | 39,767.3 | 1.86 | 46.4 | 29.0 | 24.6 | 58.1 | 6.0 | 35.4 | 0.4 |
| | 2022 | 41,351.0 | 1.71 | 46.7 | 28.8 | 24.5 | 58.6 | 6.1 | 34.9 | 0.4 |
| South Korea | 2018 | 100,282.6 | 4.52 | 76.6 | 20.6 | 2.8 | 80.3 | 10.1 | 8.2 | 1.4 |
| | 2019 | 105,064.4 | 4.63 | 76.9 | 20.7 | 2.4 | 80.3 | 10.0 | 8.3 | 1.4 |
| | 2020 | 112,221.2 | 4.80 | 76.6 | 22.4 | 1.0 | 79.1 | 10.1 | 9.0 | 1.8 |
| | 2021 | 123,459.9 | 4.91 | 76.1 | 22.8 | 1.1 | 79.1 | 9.8 | 9.1 | 2.0 |
| | 2022 | 138,995.2 | 5.21 | 76.3 | 22.6 | 1.1 | 79.4 | 9.4 | 9.1 | 2.1 |
| United States ⁹ | 2018 | 617,722.0 | 2.99 | 64.1 | 22.3 | 13.6 | 74.1 | 9.7 | 12.1 | 4.0 |
| | 2019 | 677,286.0 | 3.15 | 65.7 | 21.1 | 13.2 | 75.1 | 9.6 | 11.5 | 3.8 |
| | 2020 | 730,241.0 | 3.42 | 66.3 | 21.3 | 12.4 | 76.0 | 9.2 | 11.1 | 3.7 |
| | 2021 | 821,811.0 | 3.48 | 68.9 | 18.8 | 12.3 | 77.9 | 8.3 | 10.4 | 3.3 |
| | 2022 | 923,243.0 | 3.59 | 70.0 | 18.1 | 11.9 | 79.0 | 8.2 | 9.9 | 3.0 |

y = data included in another position.

- 1 Some figures are revised, provisional, estimated or only partly comparable with figures from previous years or include other sectors (see original edition of "Main Science and Technology Indicators July 2024").
- 2 Nominal expenditures converted into US dollar purchasing power parities.
- 3 Including general funding for higher education research.
- 4 PNP: private non-profit institutions.
- 5 Until 2021, the PNP sector is included in the performance data of the government sector. Differences in the R&D ratio compared to Table 1.1.1 are due to methodological reasons, as recalculations by the Federal Statistical Office resulting from a GDP revision could not yet be taken into account by the OECD.
- 6 Funds received by the state research institutes from external sources are excluded from government allocations.
- 7 Excluding funding by public research foundations.
- 8 Government budget allocations for R&D data represent the budget for science and technology and cover central government only.
- 9 Excludes most or all capital expenditure (included in the business enterprise and government sector only).

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This table also appears in the Federal Report on Research and Innovation as Table 3.

Source: OECD (Main Science and Technology Indicators July 2024) and calculations of the German Centre for Higher Education Research and Science Studies

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<https://www.govdata.de/dl-de/by-nc-1-0>