

**Table 44. Higher education expenditure on R&D (HERD)
as a percentage of GDP**

Percentage

| | 2005 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Australia | .. | 0.62 | 0.57 ^e | 0.62 | 0.61 ^e | 0.62 | .. |
| Austria | 0.59 ^e | 0.73 ^e | 0.72 | 0.69 ^{b,e} | 0.69 | 0.69 | 0.68 |
| Belgium | 0.40 | 0.49 | 0.49 | 0.53 | 0.53 | 0.53 | 0.53 |
| Canada | 0.67 | 0.65 | 0.67 | 0.68 | 0.67 | 0.68 | 0.66 ^p |
| Chile | .. | 0.15 ^b | 0.15 | 0.16 ^{b,p} | 0.16 | 0.17 ^p | .. |
| Colombia | 0.08 | 0.10 | 0.10 | 0.08 | 0.08 | 0.09 | 0.08 |
| Czech Republic | 0.22 | 0.50 | 0.48 | 0.34 | 0.35 | 0.41 | 0.42 |
| Denmark | 0.59 | 0.98 | 1.04 | 1.00 | 0.97 | 1.00 | 0.99 ^p |
| Estonia | 0.38 | 0.63 | 0.60 | 0.44 | 0.51 | 0.63 | 0.57 |
| Finland | 0.63 | 0.72 | 0.70 | 0.68 | 0.69 | 0.69 | 0.71 |
| France | 0.39 | 0.50 ^b | 0.50 | 0.46 | 0.46 ^p | 0.45 ^p | 0.44 ^p |
| Germany | 0.41 | 0.51 | 0.51 | 0.53 ^b | 0.53 | 0.55 | 0.56 |
| Greece | 0.27 | 0.31 | 0.37 | 0.32 | 0.33 | 0.34 | 0.39 |
| Hungary | 0.23 ^d | 0.18 ^d | 0.16 ^d | 0.13 ^d | 0.18 ^d | 0.19 ^{b,d} | 0.21 ^d |
| Iceland | 0.59 | 0.64 | 0.64 | 0.65 | 0.66 | 0.63 | 0.65 |
| Ireland | 0.32 | 0.37 | 0.28 ^e | 0.28 | 0.25 ^e | 0.27 | 0.27 ^e |
| Israel ¹ | 0.60 ^d | 0.52 ^d | 0.52 ^d | 0.49 ^d | 0.45 ^d | 0.45 ^{d,e} | 0.43 ^{d,e} |
| Italy | 0.32 ^b | 0.36 ^e | 0.34 ^e | 0.33 ^e | 0.32 ^e | 0.32 ^e | 0.33 ^e |
| Japan | 0.42 | 0.42 | 0.40 | 0.38 | 0.38 | 0.37 ^b | 0.37 |
| Korea | 0.25 ^d | 0.37 | 0.36 | 0.36 | 0.36 | 0.37 | 0.38 |
| Latvia | 0.21 | 0.28 | 0.31 | 0.19 | 0.24 | 0.33 | 0.35 |
| Lithuania | 0.4 | 0.5 | 0.6 | 0.3 | 0.3 | 0.3 | 0.4 |
| Luxembourg | 0.02 | 0.21 | 0.24 | 0.25 | 0.26 | 0.24 ^e | 0.23 ^{e,p} |
| Mexico | 0.11 | 0.21 | 0.22 | 0.20 | 0.16 ^e | 0.16 ^e | 0.14 ^e |
| Netherlands | 0.61 | 0.63 | 0.64 | 0.61 | 0.61 | 0.59 | 0.60 |
| New Zealand | 0.36 | .. | 0.34 | .. | 0.33 | .. | 0.34 ^p |
| Norway | 0.46 | 0.53 | 0.60 | 0.67 | 0.71 | 0.71 | 0.74 |
| Poland | 0.18 | 0.28 | 0.29 | 0.30 | 0.34 | 0.38 | 0.47 |
| Portugal | 0.27 | 0.59 | 0.57 | 0.57 | 0.56 | 0.56 | 0.57 |
| Slovak Republic | 0.10 | 0.30 | 0.51 | 0.22 | 0.22 | 0.20 | 0.21 |
| Slovenia | 0.24 | 0.25 | 0.22 | 0.22 | 0.21 | 0.23 | 0.24 |
| Spain | 0.32 | 0.35 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 |
| Sweden | 0.74 | 0.90 ^e | 0.86 | 0.87 ^e | 0.84 | 0.84 ^e | 0.80 ^b |
| Switzerland | .. | 0.84 | 0.87 | .. | 0.90 | .. | .. |
| Turkey | 0.31 | 0.35 | 0.35 | 0.34 | 0.32 | 0.31 | 0.31 |
| United Kingdom | 0.40 | 0.42 | 0.42 | 0.40 | 0.40 | 0.41 | 0.41 ^p |
| United States | 0.36 ^d | 0.36 ^d | 0.35 ^d | 0.36 ^d | 0.36 ^d | 0.36 ^d | 0.37 ^{d,p} |
| EU27 (from 01/02/2020) | 0.37 ^e | 0.46 ^e | 0.46 ^e | 0.44 ^e | 0.44 ^e | 0.45 ^e | 0.46 ^e |
| OECD-Total | 0.37^e | 0.41^e | 0.41^e | 0.41^e | 0.40^e | 0.41^e | 0.41^e |
| Argentina | 0.11 | 0.18 | 0.16 | 0.14 | 0.14 | 0.13 | 0.11 |
| China | 0.13 | 0.14 | 0.14 | 0.14 | 0.15 | 0.16 | 0.18 |
| Romania | 0.06 | 0.06 | 0.09 | 0.05 | 0.05 | 0.05 | 0.05 |
| Russian Federation | 0.06 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 | 0.11 |
| Singapore | 0.52 | 0.59 | 0.64 | 0.63 | 0.56 | 0.51 | .. |
| South Africa | 0.17 | 0.22 | 0.24 | 0.27 | 0.28 | .. | .. |
| Chinese Taipei | 0.27 | 0.31 | 0.30 | 0.29 | 0.29 | 0.30 | 0.29 |

Note: Detailed metadata:<http://metalinks.oecd.org/msti/20210922/b090>

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1. Information on data for Israel:<http://dx.doi.org/10.1787/888932315602>

Source: OECD, Main Science and Technology Indicators database