

Look for our next issue:
 How have the trends in R&D around the globe changed over the last 10 years?

The US spends the most worldwide on Research & Development and allocates the highest percentage of their R&D funding to Basic Research. In 2016, the US's domestic expenditure on Basic Research amounted to \$86 billion.

Resources

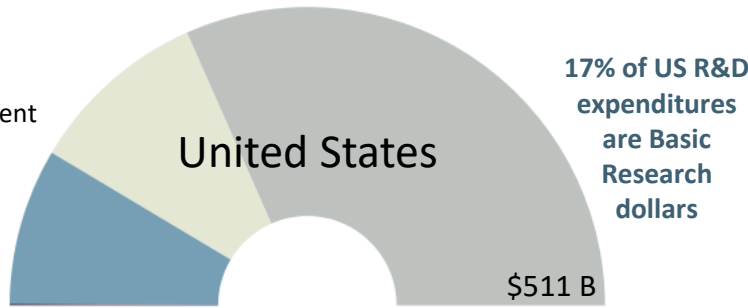
DoD's Artificial Intelligence Strategy

Promise of Evidence-Based Policy Making

The Scientist and His Government

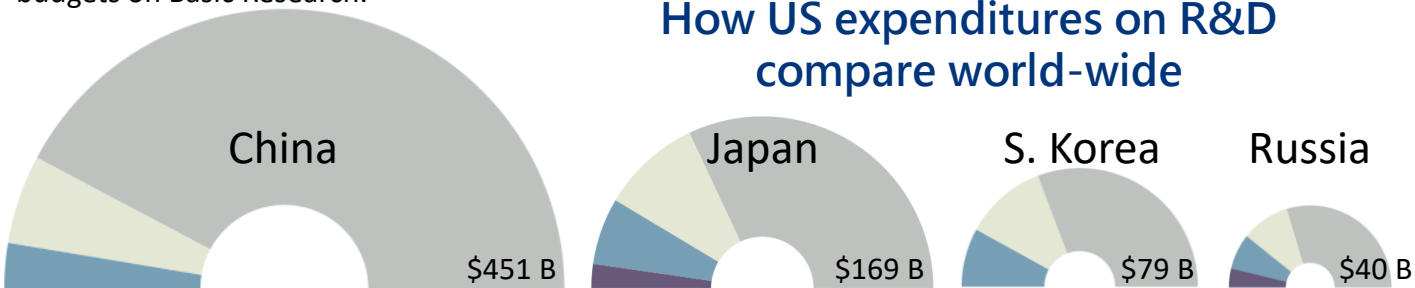
Country's Total R&D

- Experimental Development
- Applied Research
- Basic Research
- Other



Below we compare R&D expenditures for the US and its top Non-NATO competitors (Germany and the UK rank 4th and 6th overall in R&D spending). In 2016, China spent 88% of what the US did on R&D, but only 5% (\$24 billion) of that went to Basic Research. Japan, S. Korea and Russia spent 13, 16, and 14% of their R&D budgets on Basic Research.

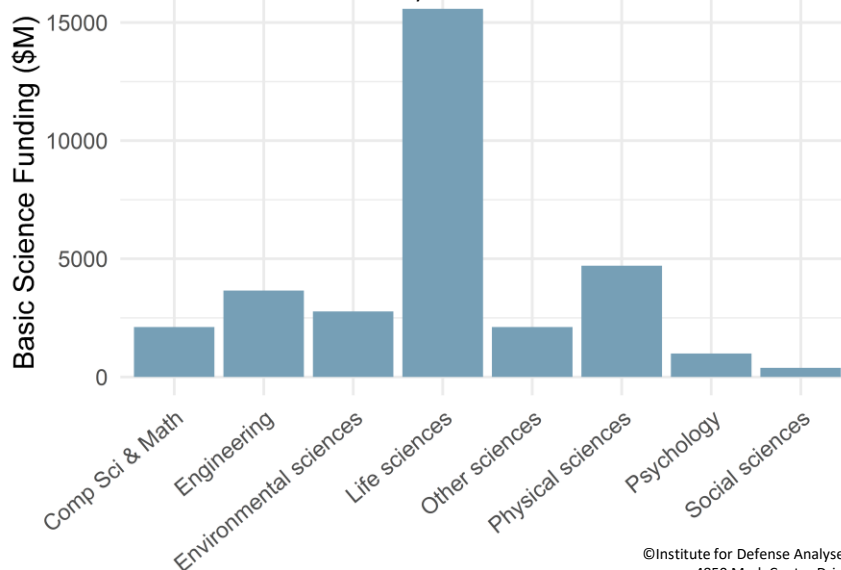
How US expenditures on R&D compare world-wide



Source: OECD; Data in purchasing power parity (PPP) & for US varies slightly from the National Science Foundation's protocol for tallying US total R&D

US Federal Basic Research Investment (\$M)

Source: Survey of Federal Funds for R&D FY2016-17



A country's spending is only one indicator of its commitment to Basic Research.

We also investigated how the US allocates federal Basic Research dollars (totaling \$32 B) by science & engineering fields.

The life sciences represent about half of all Federal Spending!

Movie Recommendation
 Check out the 1998 comedy *The Pentagon Wars*, adapted from ret USAF Colonel James G. Bradley's memoir. The movie chronicles the procurement process for the where gov't corruption leads to gross cost over-runs.