#### National Science Board

**Informational Slides** 

Source: National Science Board | Science & Engineering Indicators | NSB-2022-1

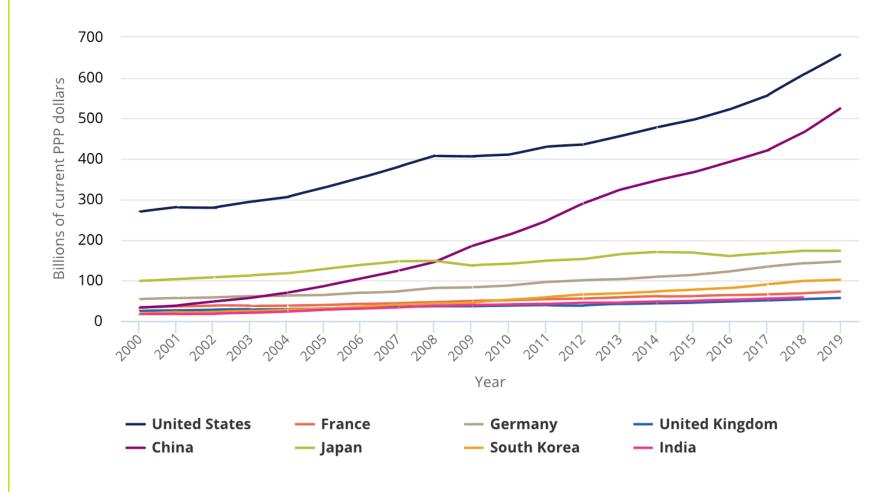


#### **SCIENCE & ENGINEERING INDICATORS**



#### Gross domestic expenditures ON R&D

Gross domestic expenditures on R&D, 2000-19



Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



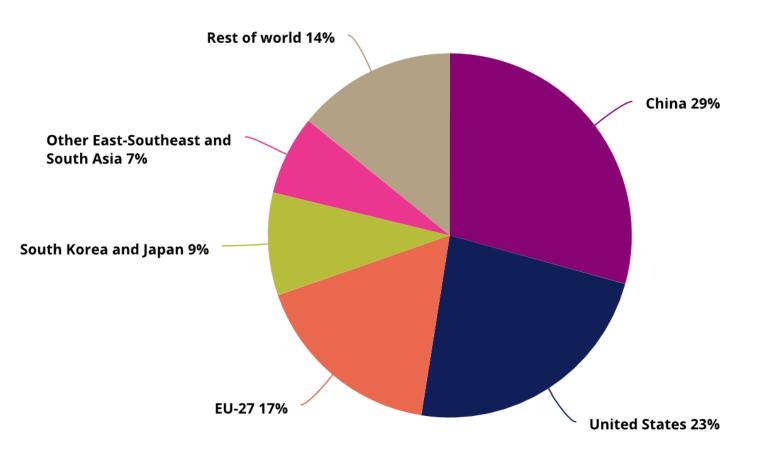
### Contributions to growth **R&D SPENDING**

Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



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# **Contributions to growth of worldwide R&D expenditures,** 2000-17



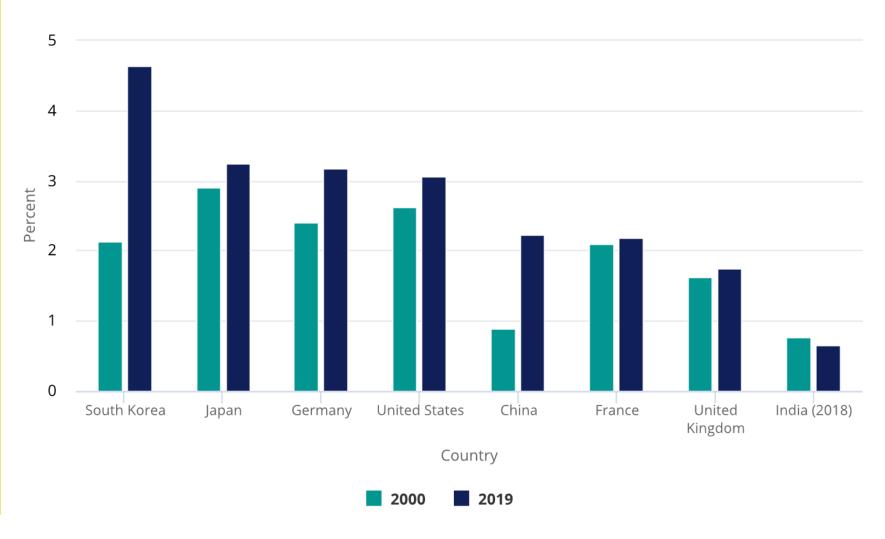
# R&D expenditures **BY GROSS DOMESTIC PRODUCT**

Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



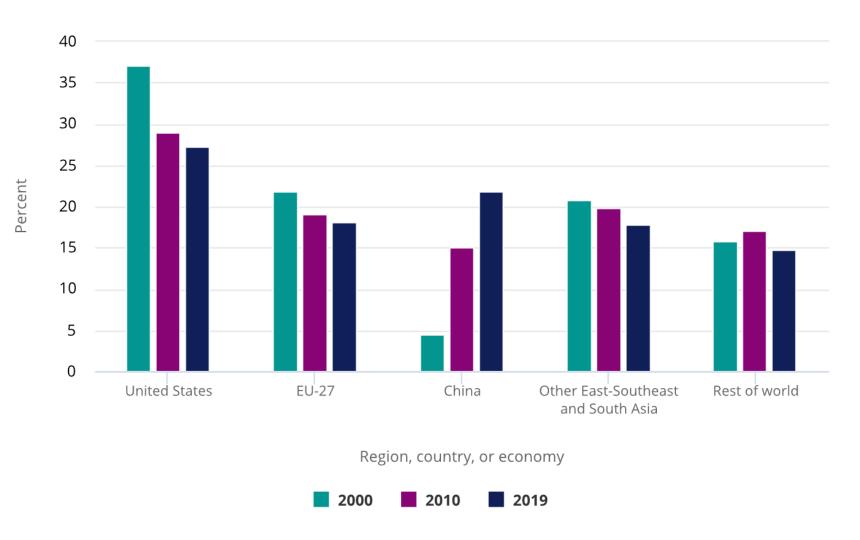
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#### R&D intensity, by selected country: 2000 and 2019



### Shares of worldwide **R&D SPENDING**

Shares of worldwide R&D expenditures, 2000, 2010, and 2019

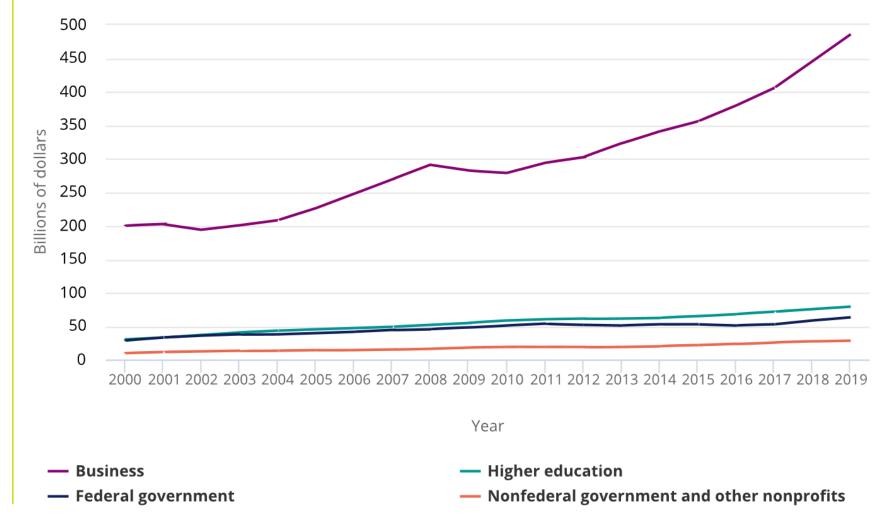


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### U.S. R&D SPENDING



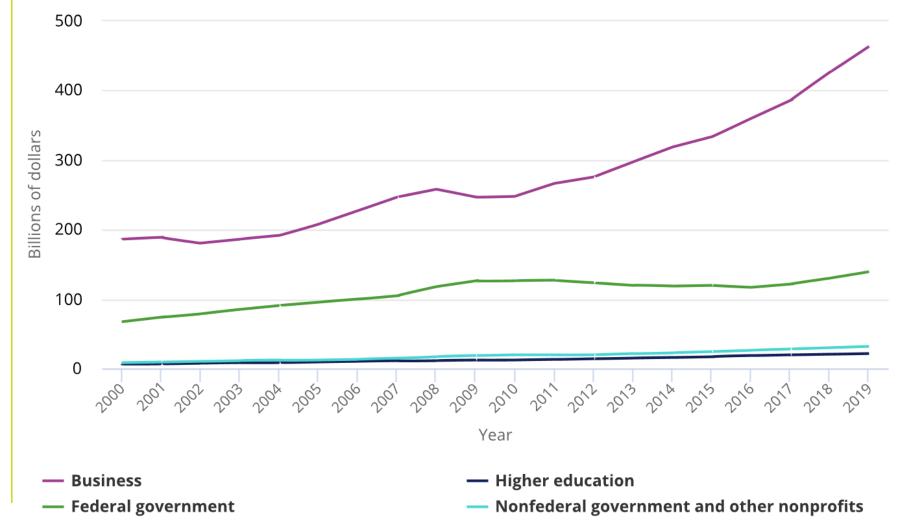


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# U.S. **R&D SPENDING**



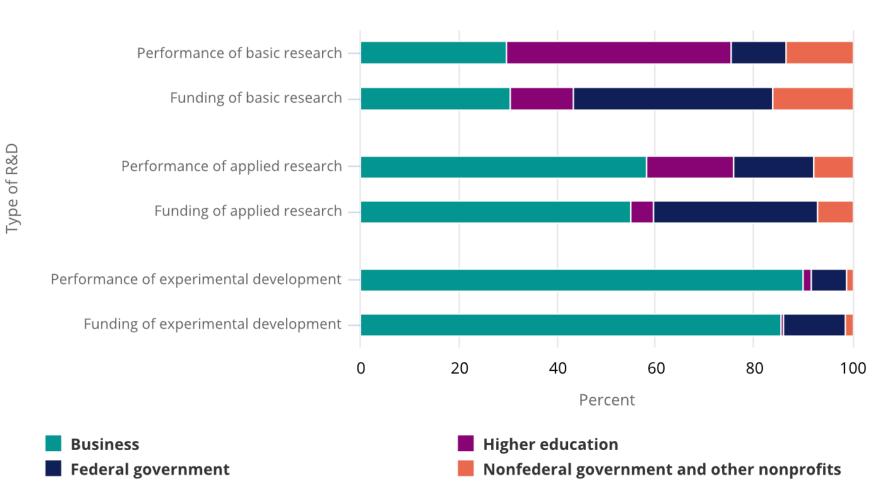


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# U.S. **R&D FUNDING**

U.S. R&D performance and funding, by type of R&D and Sector: 2019

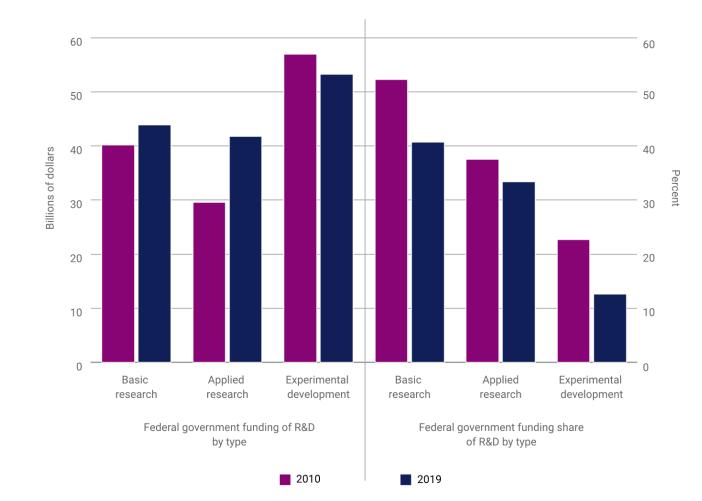


Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



#### R&D performance FEDERALLY FUNDED

R&D performance funded by the federal government, by type of R&D, 2010 and 2019



Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



# S&E ARTICLES

China United States United Kingdom India Germany Japan Italy -Country France Canada Russia Australia Spain South Korea Brazil Iran 0 100 200 400 500 700 800 300 600 Thousands

International collaboration

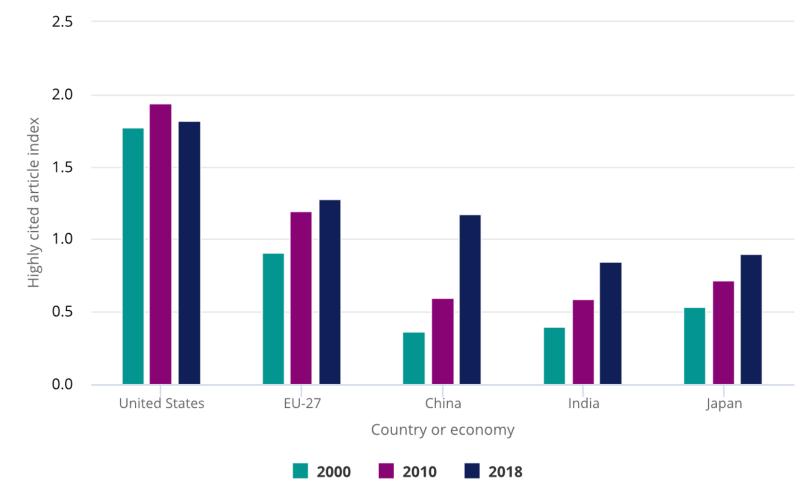
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#### Highly cited ARTICLES



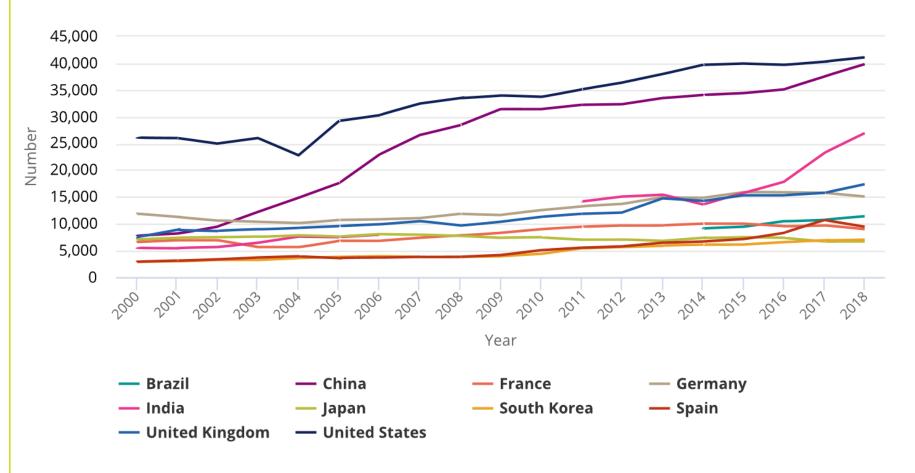


Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



#### Doctoral degrees IN S&E

S&E doctoral degrees, by selected countries: 2000-2018



Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



# Covid-19 Collaboration

Source: National Science Board | Science & Engineering Indicators | NSB-2022-1



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#### Collaboration network on coronavirus-related articles,

