

The Federal R&D Deceleration in Context

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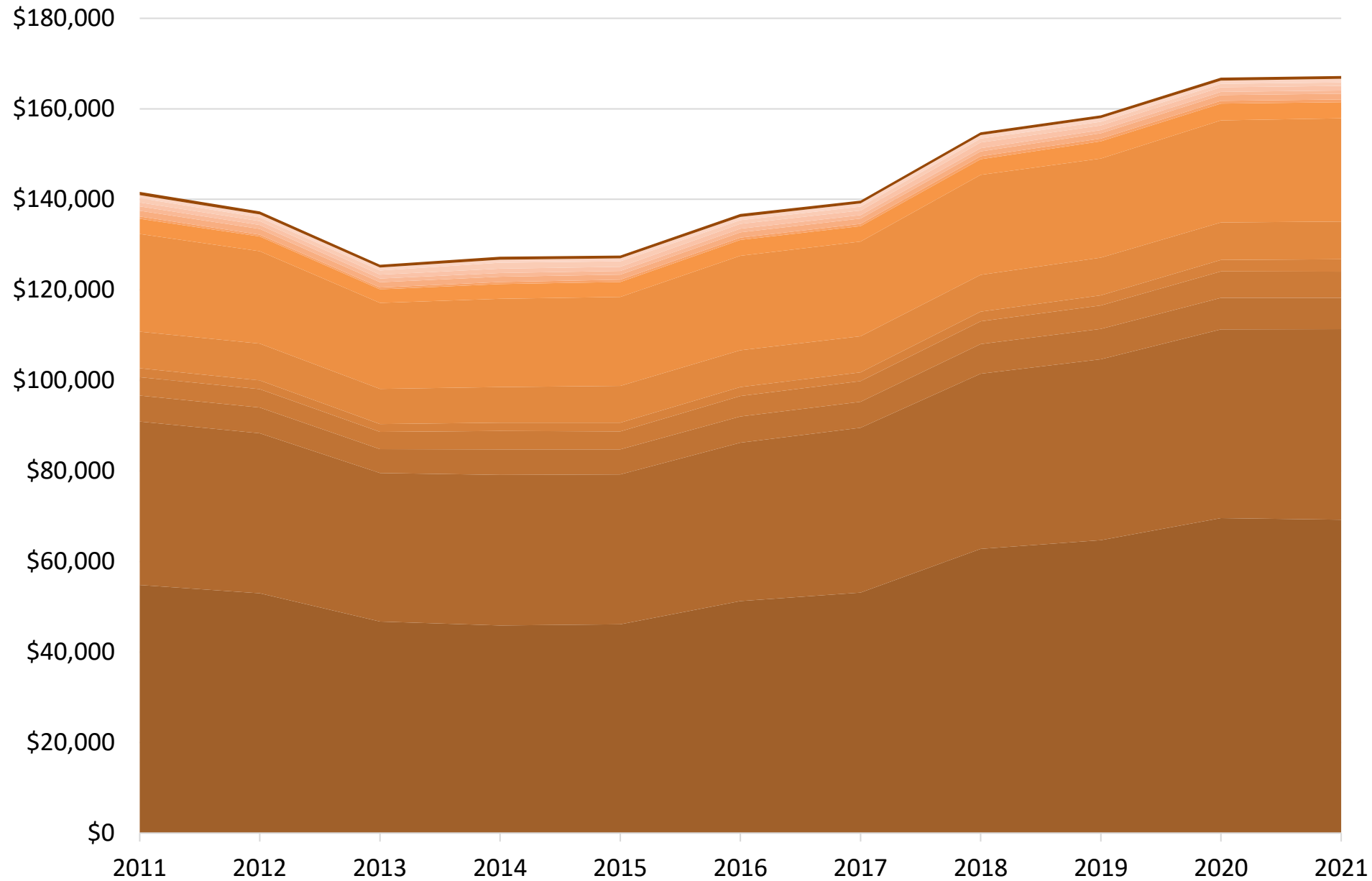
AAAS R&D Budget and Policy Program

<http://www.aaas.org/rd>



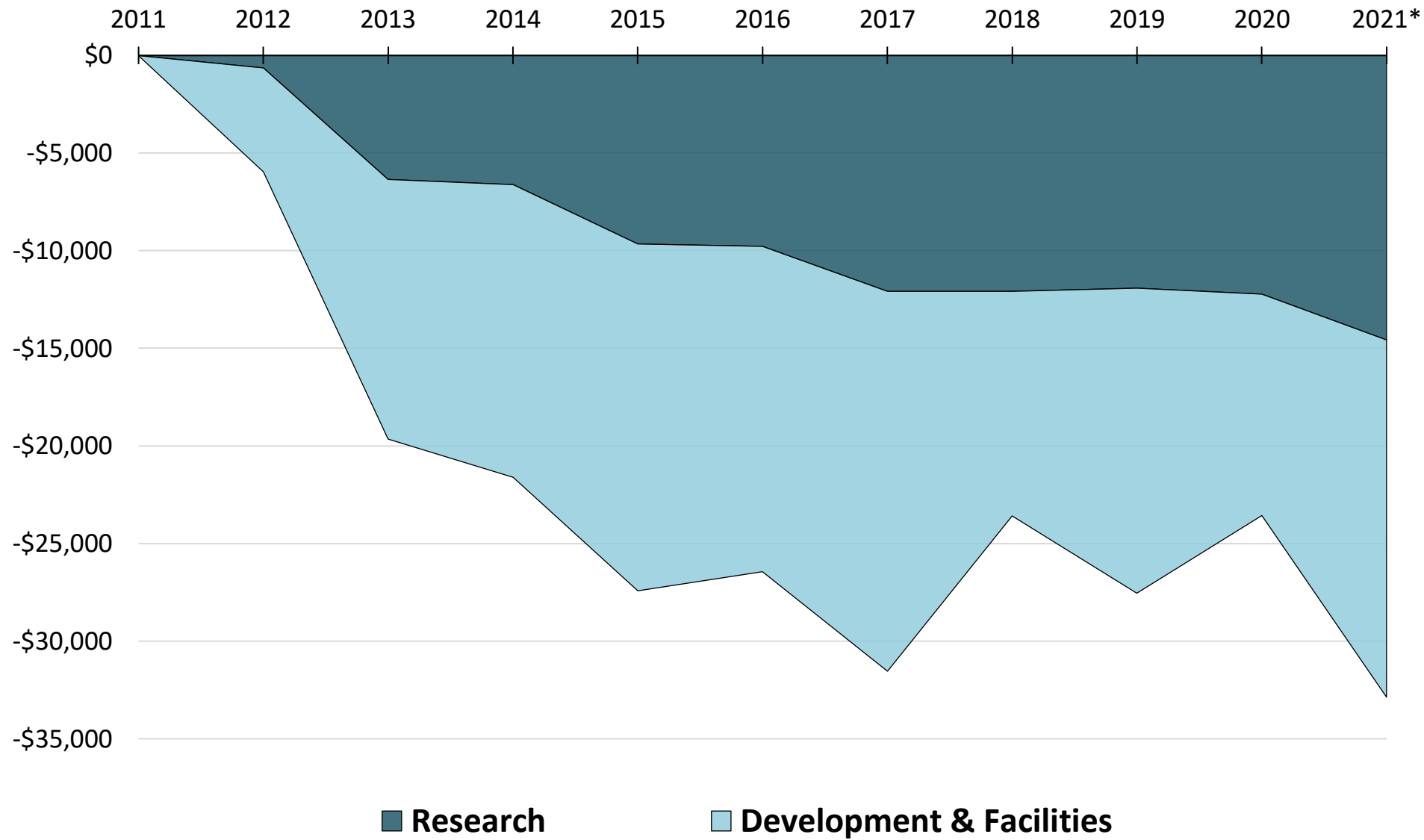
Aggregate Discretionary Spending for Federal R&D Accounts

Millions of constant FY 2020 dollars



"Lost" Federal R&D Under the BCA Caps

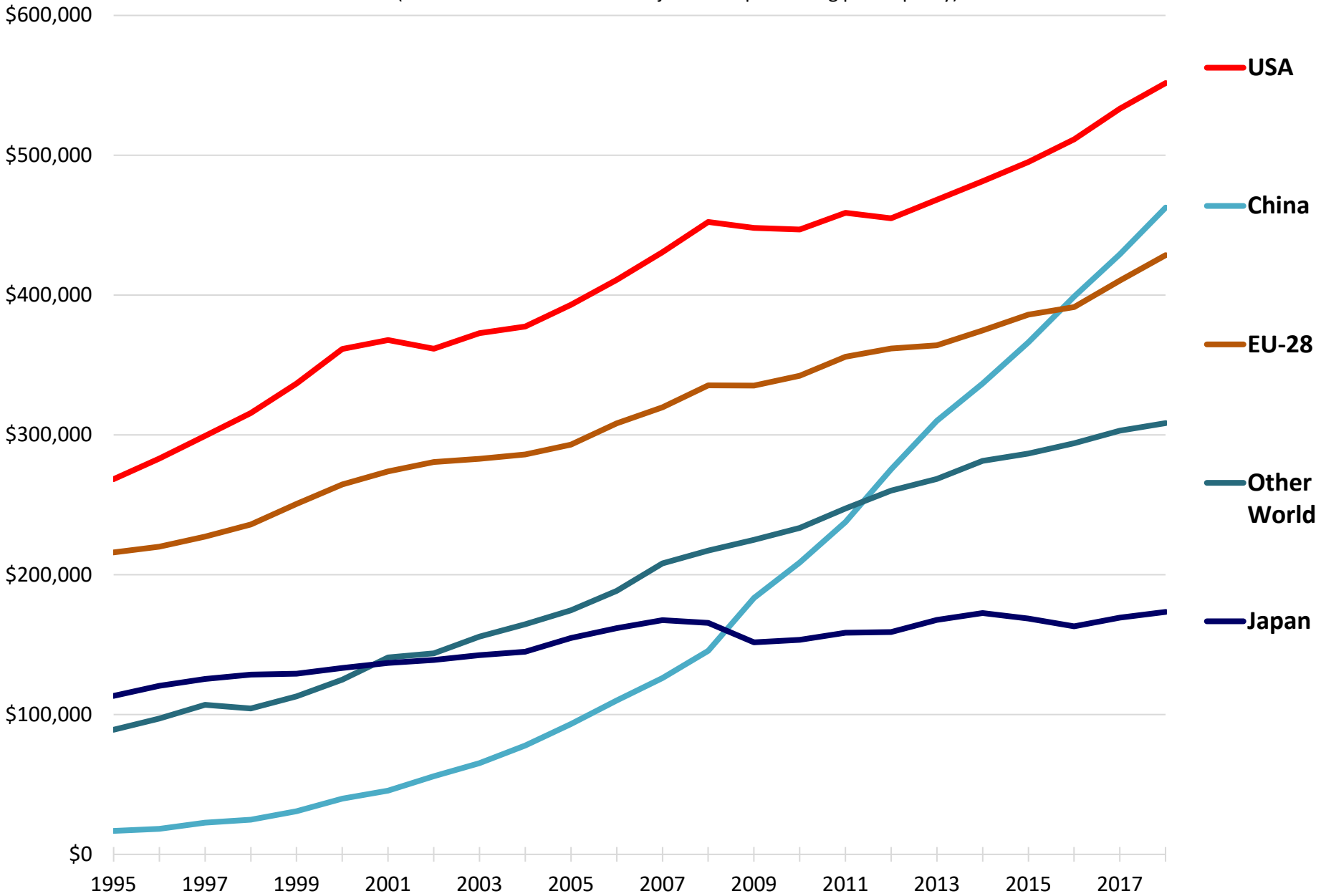
Actual funding vs. projected growth at 30-year average, nominal dollars in millions



*Actuals are AAAS estimates. Calculations based on historical OMB and agency data. | AAAS

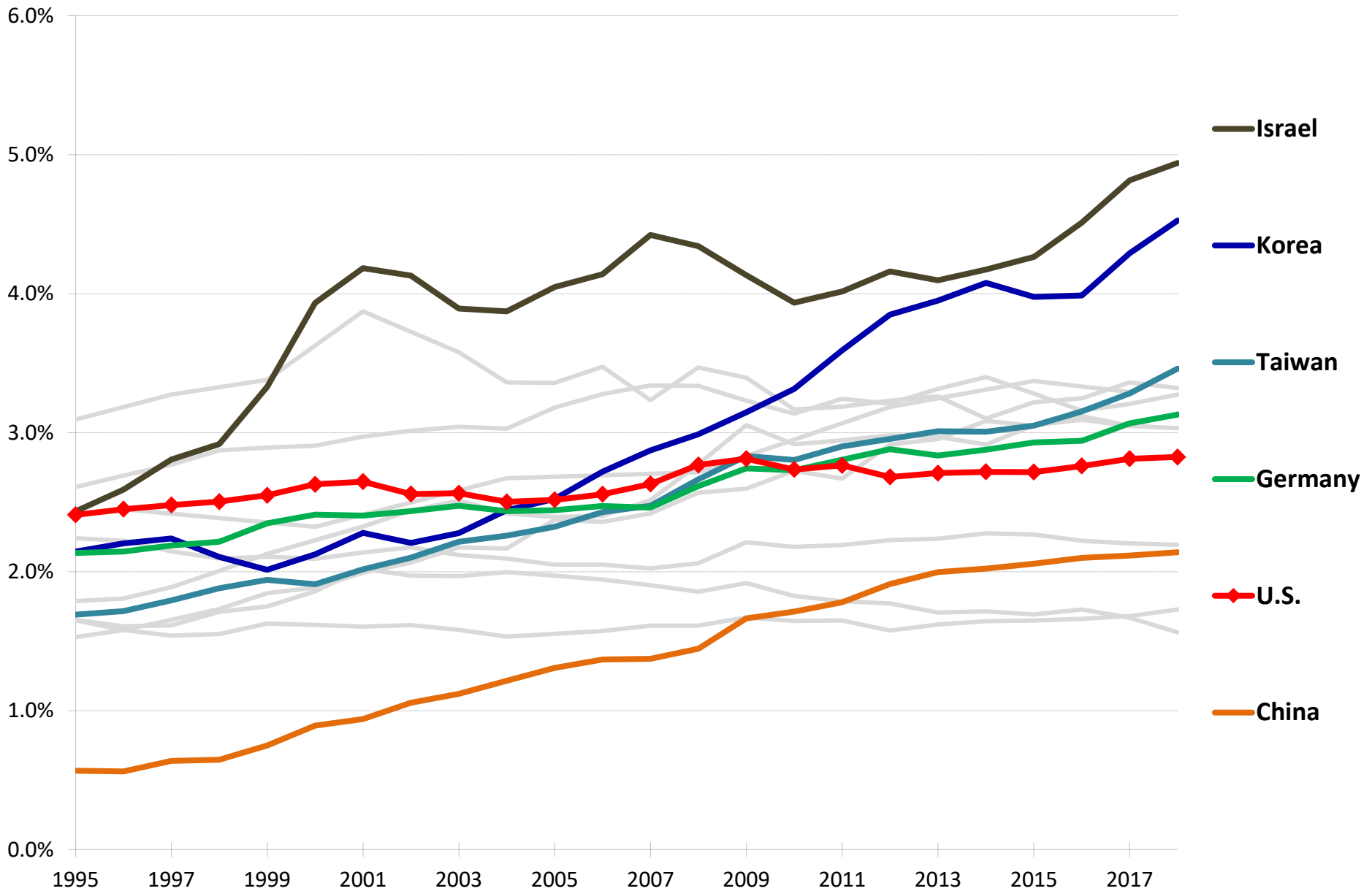
World R&D by Country / Region

(millions of constant dollars adjusted for purchasing power parity)



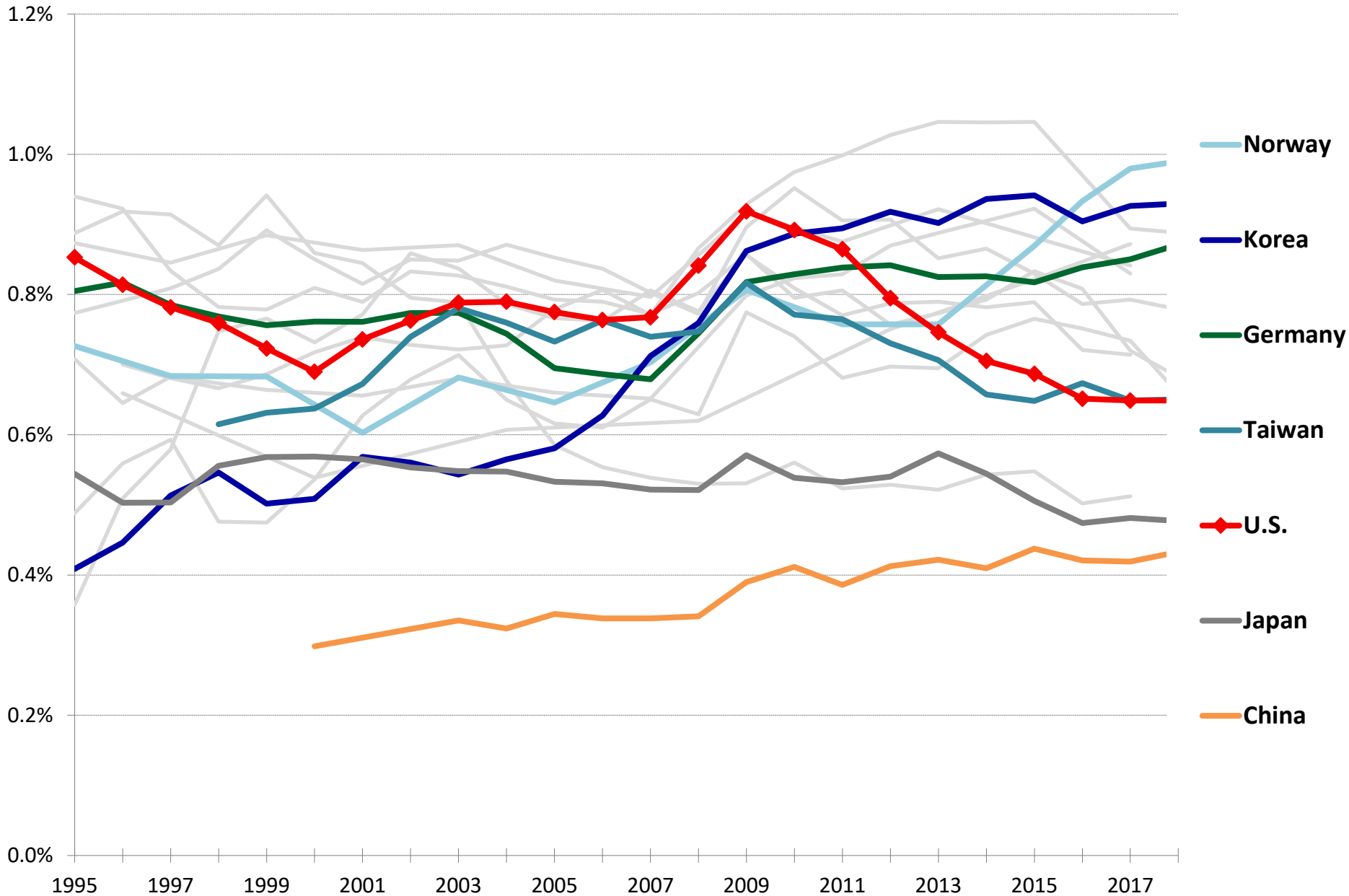
National R&D Intensity

Gross R&D investment as a percent of GDP

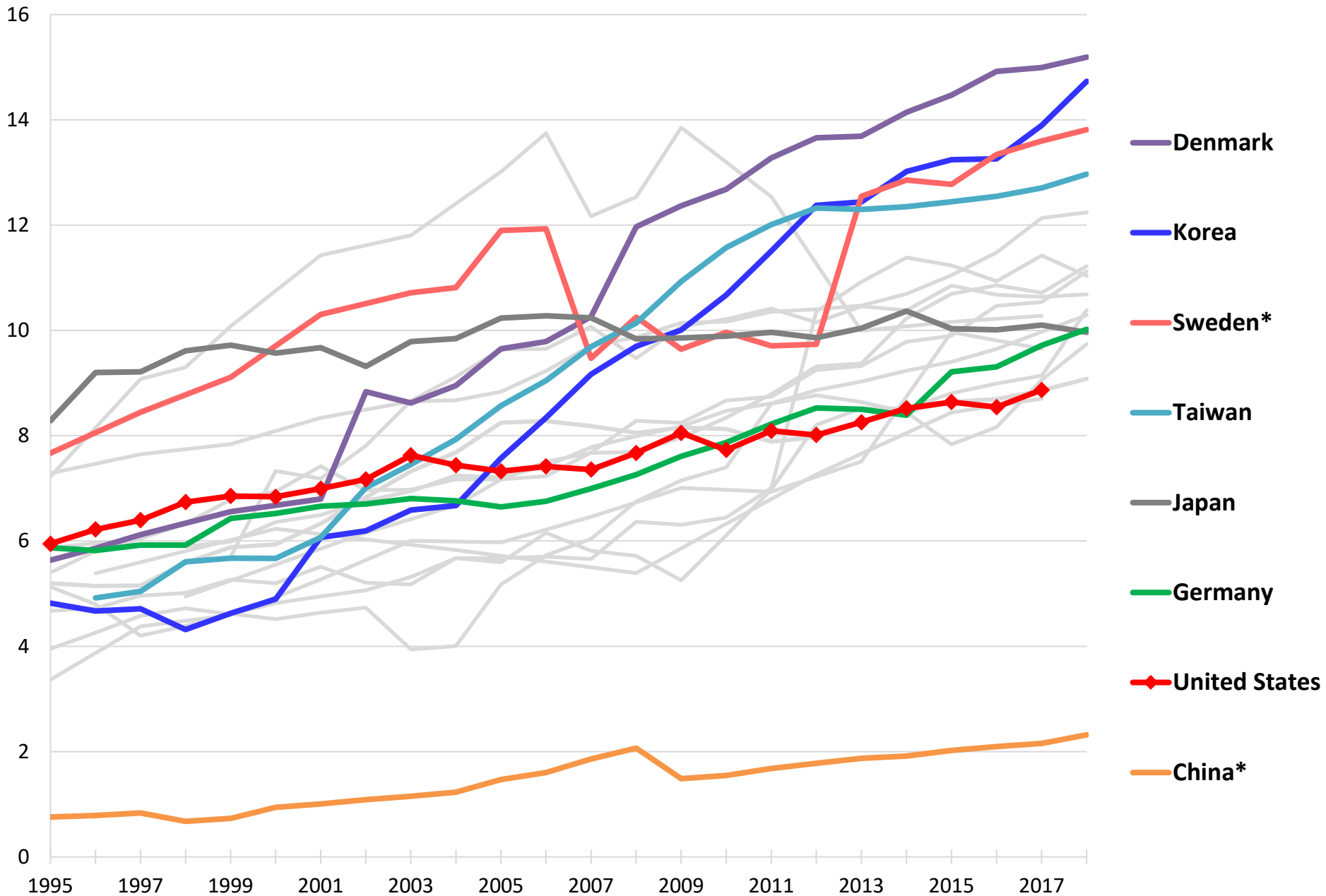


Public R&D Intensity

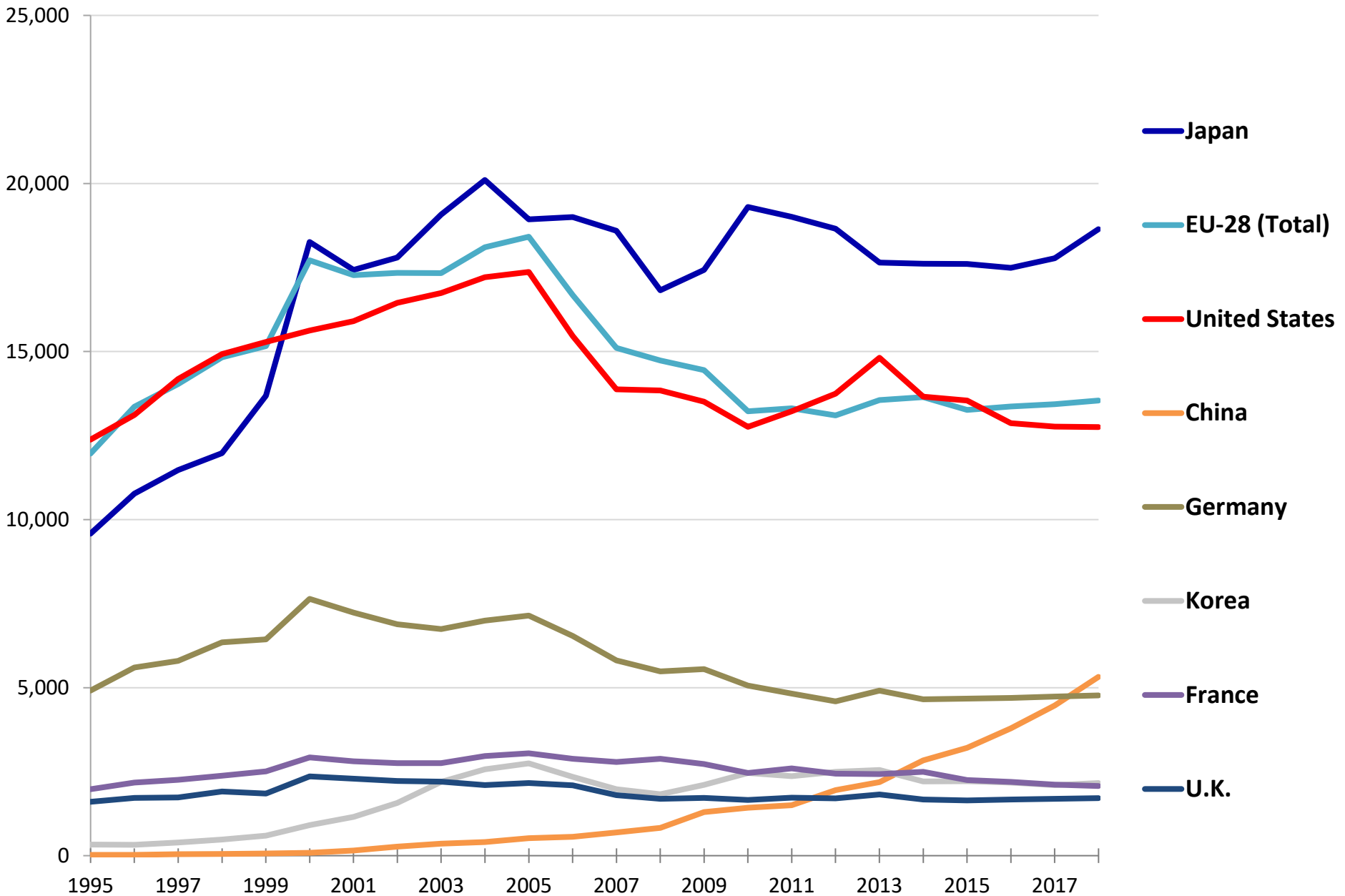
Government R&D as a percent of GDP



Researchers per 1,000 in the Labor Force



Number of Triadic* Patent Families

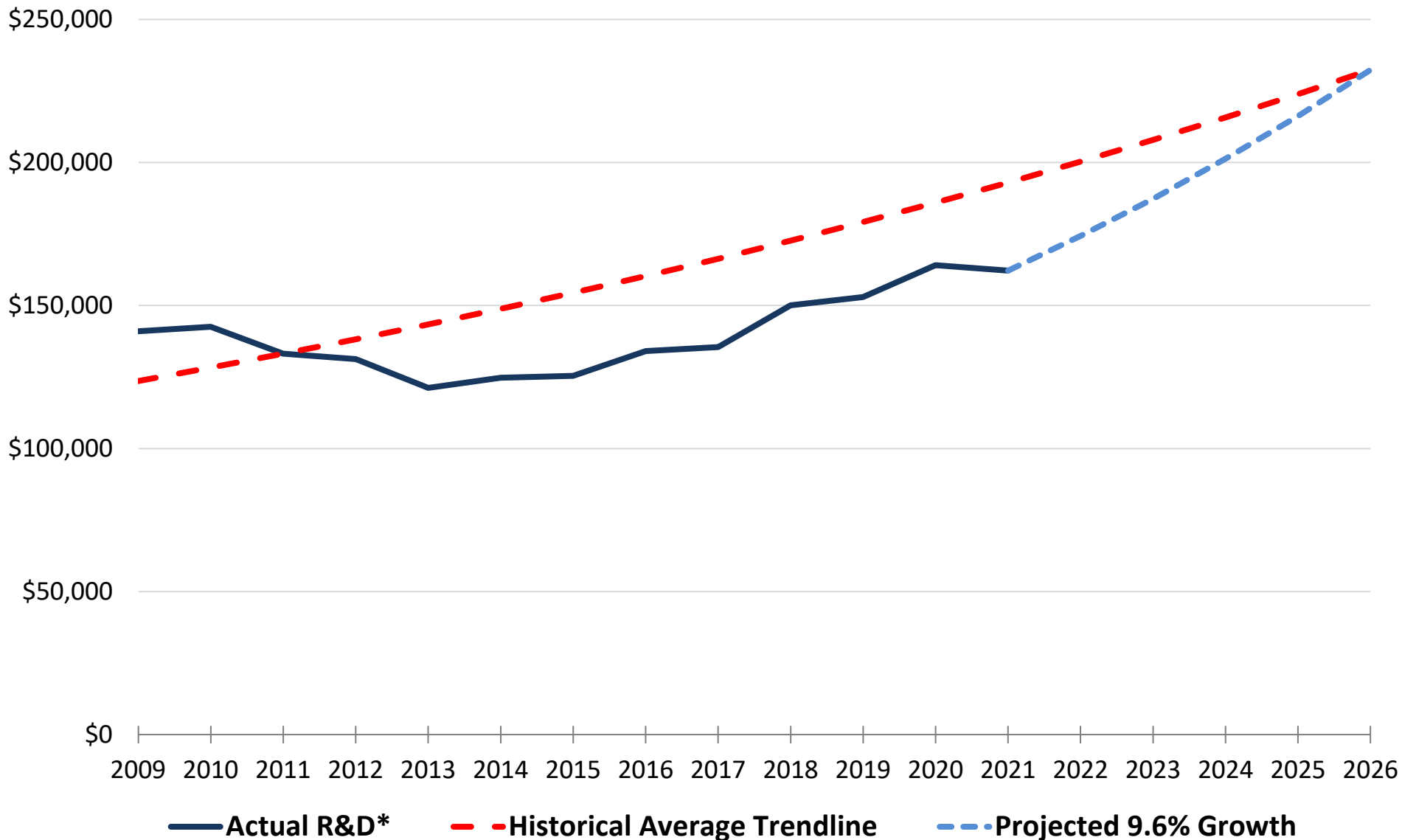


*Refers to patents for the same invention filed jointly in U.S., Europe, and Japan patent offices.

Source: OECD, Main Science and Technology Indicators, February 2021 | AAAS

Actual and Projected R&D

Billions of constant 2020 dollars



*Adjusted for comparability, DOD "6.7" removed. Calculations based on historical OMB and agency data. | AAAS

For more info...



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