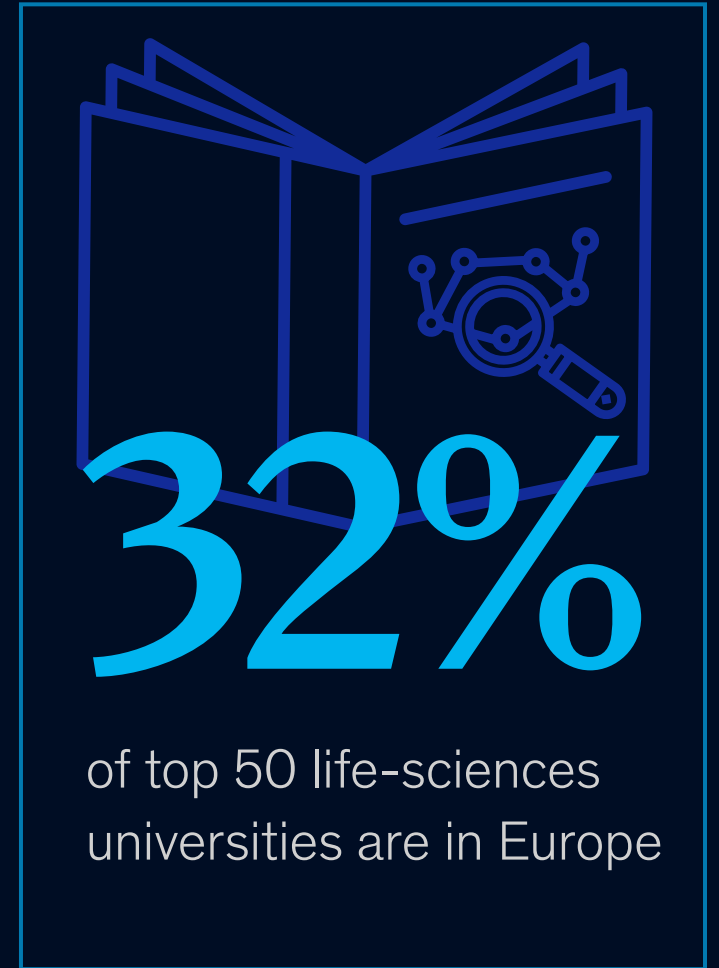
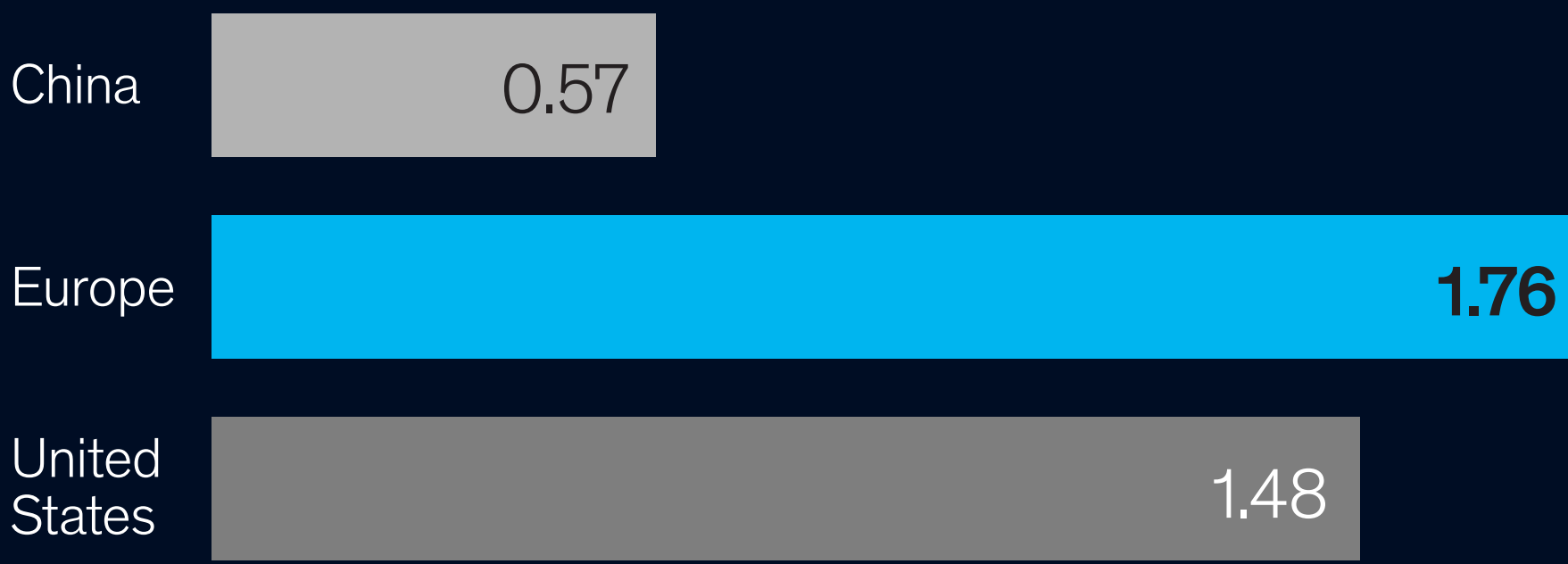


# Building European biotech sector with world-class science and innovation

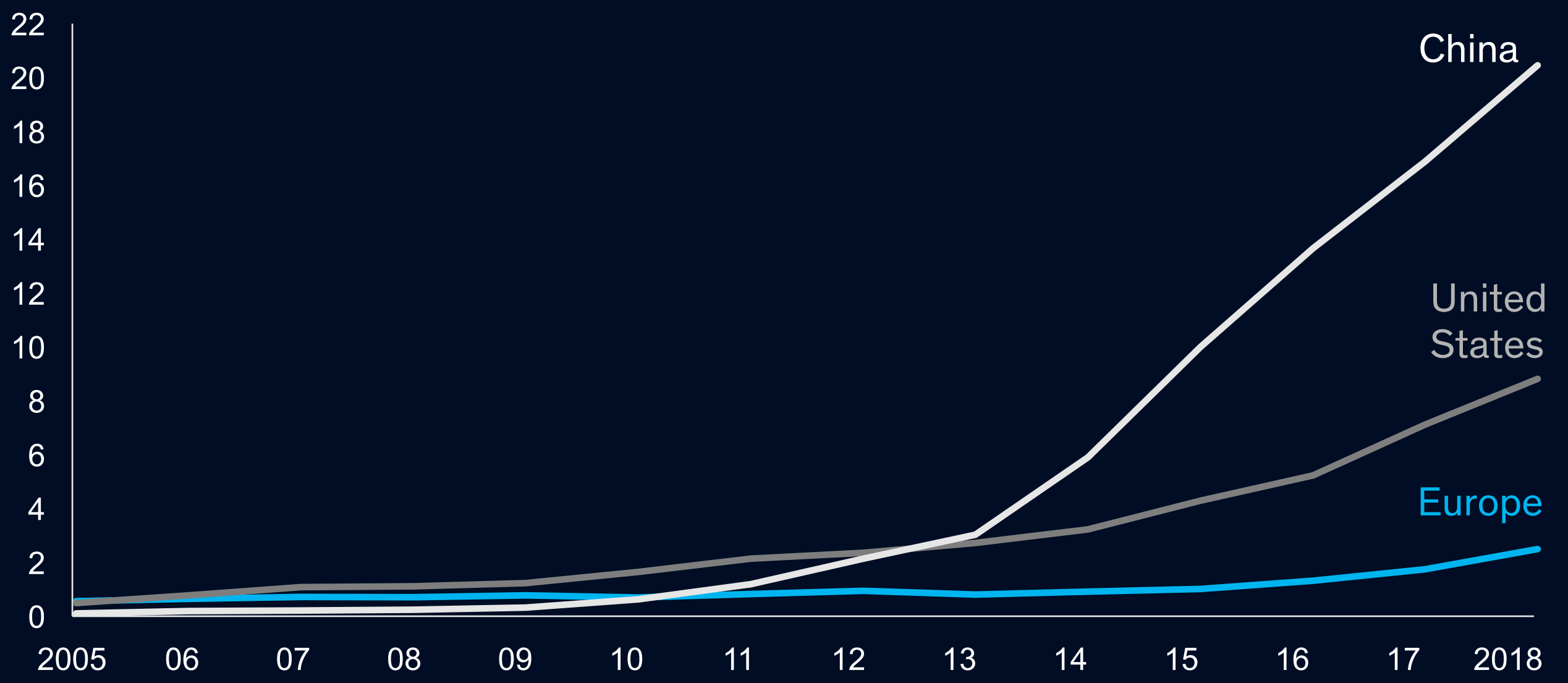
## Europe is a powerhouse in life-sciences publication . . .

Number of publications per region, million



## . . . but Europe lags behind China and United States in biotech patents.

Number of biotech patents registered by region (only first registration region counted), thousand



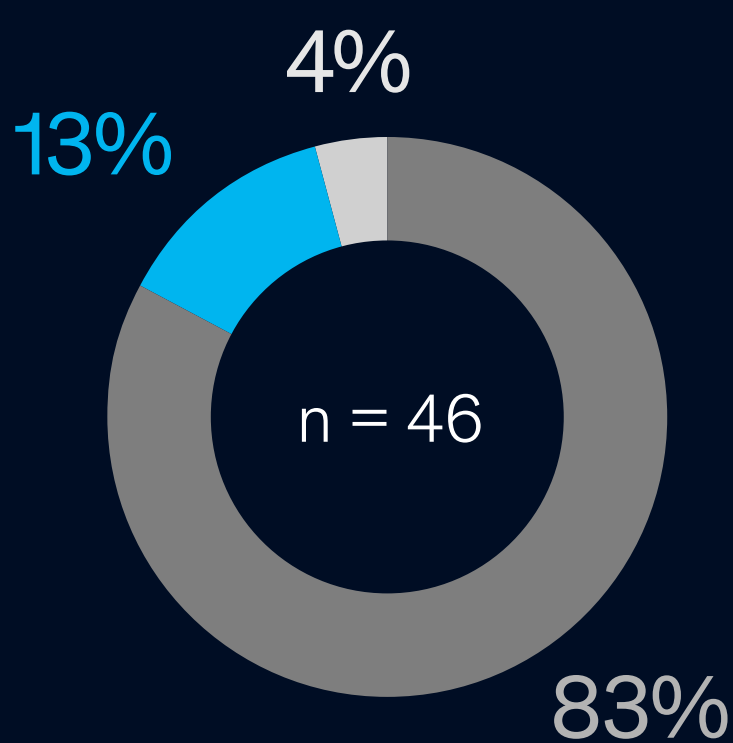
**0.29x**  
fewer patents than United States

**0.11x**  
fewer patents than China, where patents have increased significantly since 2013

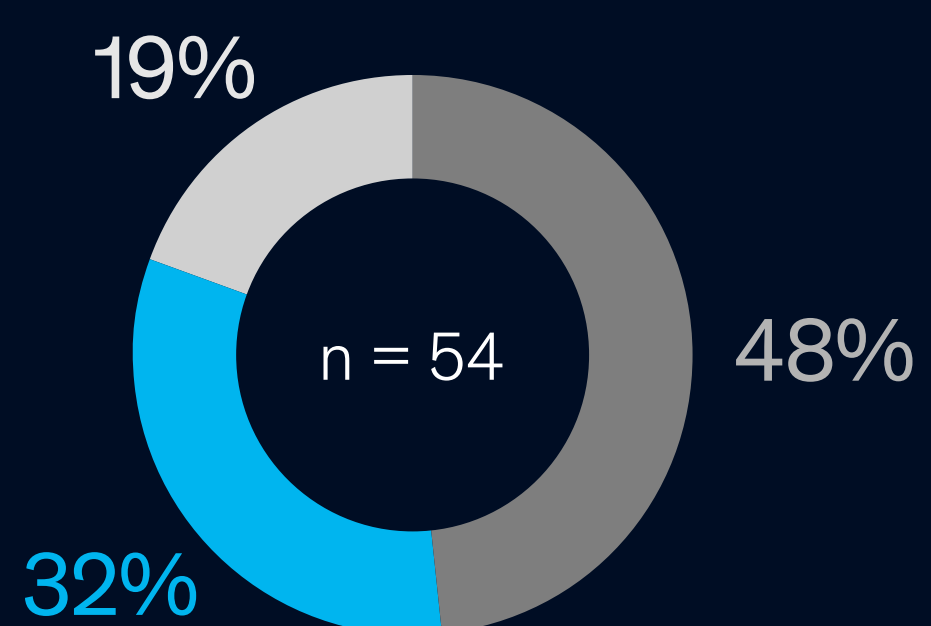
## However, European biotechs contribute significantly to pipeline of new medicines.

● Europe    ● United States    ● Rest of the world

Region of origin for US Food and Drug Administration approval of new drugs, 2017–18



Region of origin for advanced-therapy medical products in Phase III trial/registration



Note: Figures may not sum to 100%, because of rounding.

Sources: BCIQ, BioCentury, March 2019, biocentury.com; company websites; EvaluatePharma, Evaluate, April 2019, evaluate.com; Innography, CPA Global, March 2019, cpaglobal.com; literature search; PitchBook, Pitchbook Data, February 2019, pitchbook.com; press search; McKinsey analysis