

OVERVIEW: Research and development is a critical contributor to innovation and long-term economic growth, and the United States has a long history of being a global leader. According to a new collaborative report from The Council of State Governments and Elsevier—"America's Knowledge Economy: A State-by-State Review"—the United States published more than 536,000 publications in 2013. Predictably, states with larger populations also tended to publish more. For example, California and New York were the top two producers from 2004 to 2013. From 2004 to 2013, a big chunk of United States publications—more than one-quarter—focused on the field of medicine. Over the same period, Massachusetts and California produced the most impactful research—also called field-weighted citation impact—among all states. This brief offers a state-specific snapshot of data pulled from the report. To read the full report, visit www.csg.org/knowledgeeconomy.

3.06 PUBLICATIONS

PER 1,000 RESIDENTS, 2013

U.S. Average: 1.70 publications per 1,000 residents

**FIELD-WEIGHTED CITATION
IMPACT, 2004–13**

1.77 Cited 77% more than
global average

MOST IMPACTFUL RESEARCH FIELD

EARTH & PLANETARY SCIENCE

5th among all states in terms of research impact

and cited 35% more than the U.S. average.



CALIFORNIA

**TOP COLLABORATING
STATE, 2004–13**

56,736 Collaborations from 2004–13 (10.1% of all of New York's publications)

CRITICAL MASS OF RESEARCH AND INNOVATION, 2004–13

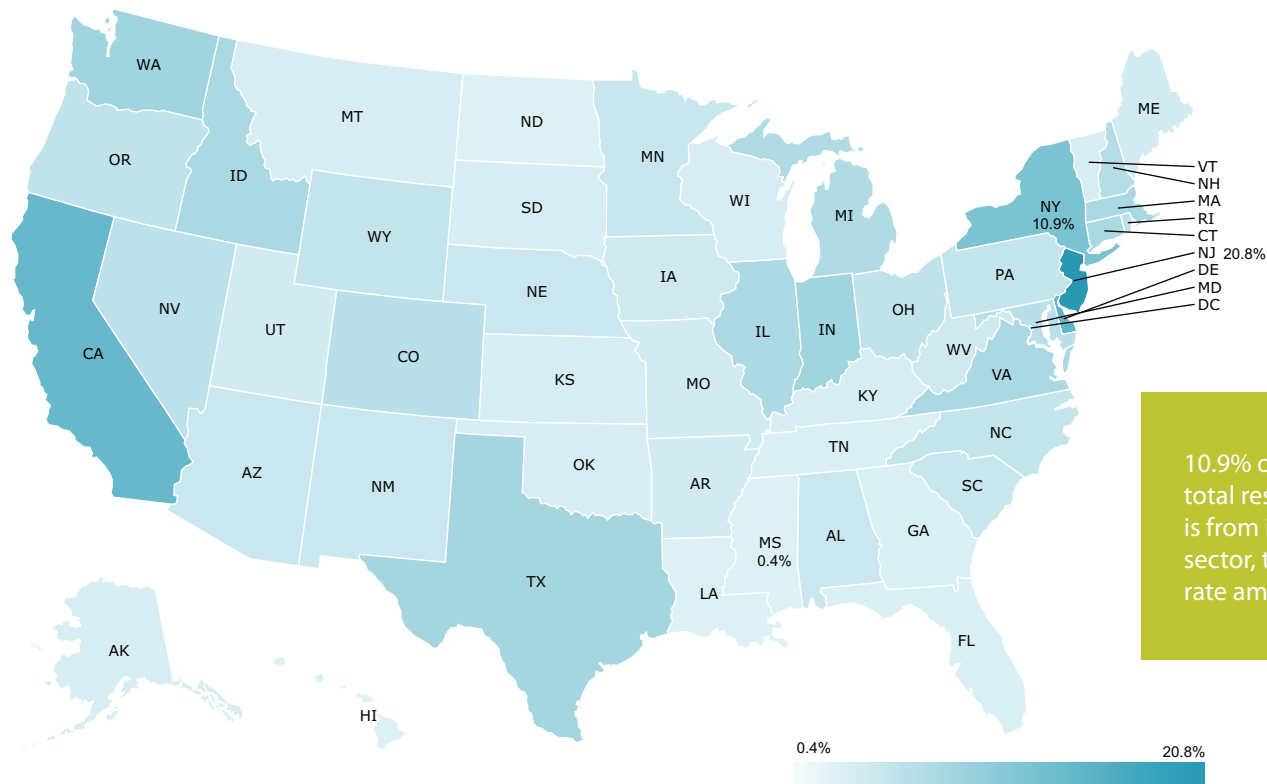
New York researchers and inventors account for 11.5% of all U.S. research publications (2nd among all states) and 6.4% of all U.S. patents granted (3rd among all states).

IMPORTANCE OF RESEARCH TO INNOVATION, 2004–13

New York's research is cited in patents **18% more** than its publication volume would suggest, the 9th highest rate among all states.

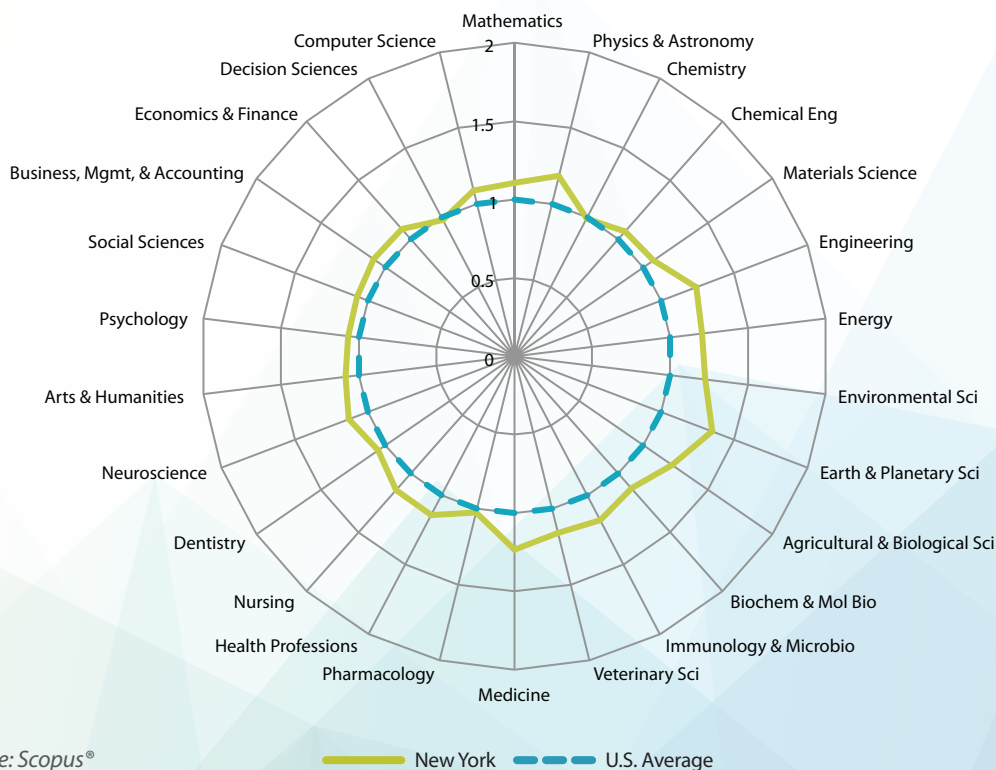
America's Knowledge Economy: A State-by-State Review | NEW YORK

Percentage of total state output from corporate institutions (2004–13)



Source: Scopus®

Impact Across Research Fields, 2004–13



The field-weighted citation impact of New York's research is above the U.S. average in most areas.

Source: Scopus®