

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.

3.24 PUBLICATIONS

PER 1,000 RESIDENTS, 2013

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

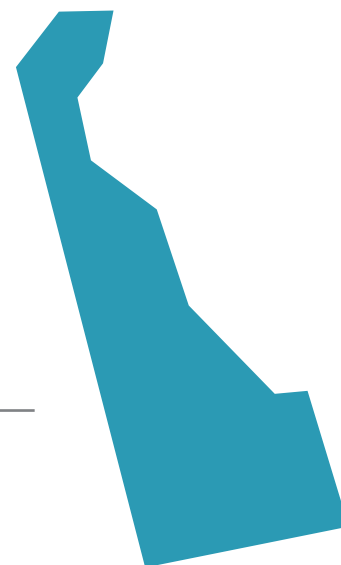
**FIELD-WEIGHTED CITATION
IMPACT, 2004–13**

1.52 Cited 52% more than
global average

COMPARATIVE ADVANTAGE IN RESEARCH

**AGRICULTURAL &
BIOLOGICAL SCIENCES**

Ranked 10th among all states in terms of research impact
and cited **18% more** than the U.S. average.



PENNSYLVANIA

**TOP COLLABORATING
STATE, 2004–13**

2,845 collaborations (10.6% of all of Delaware's publications)

RESEARCH FROM CORPORATE SECTOR, 2004-13

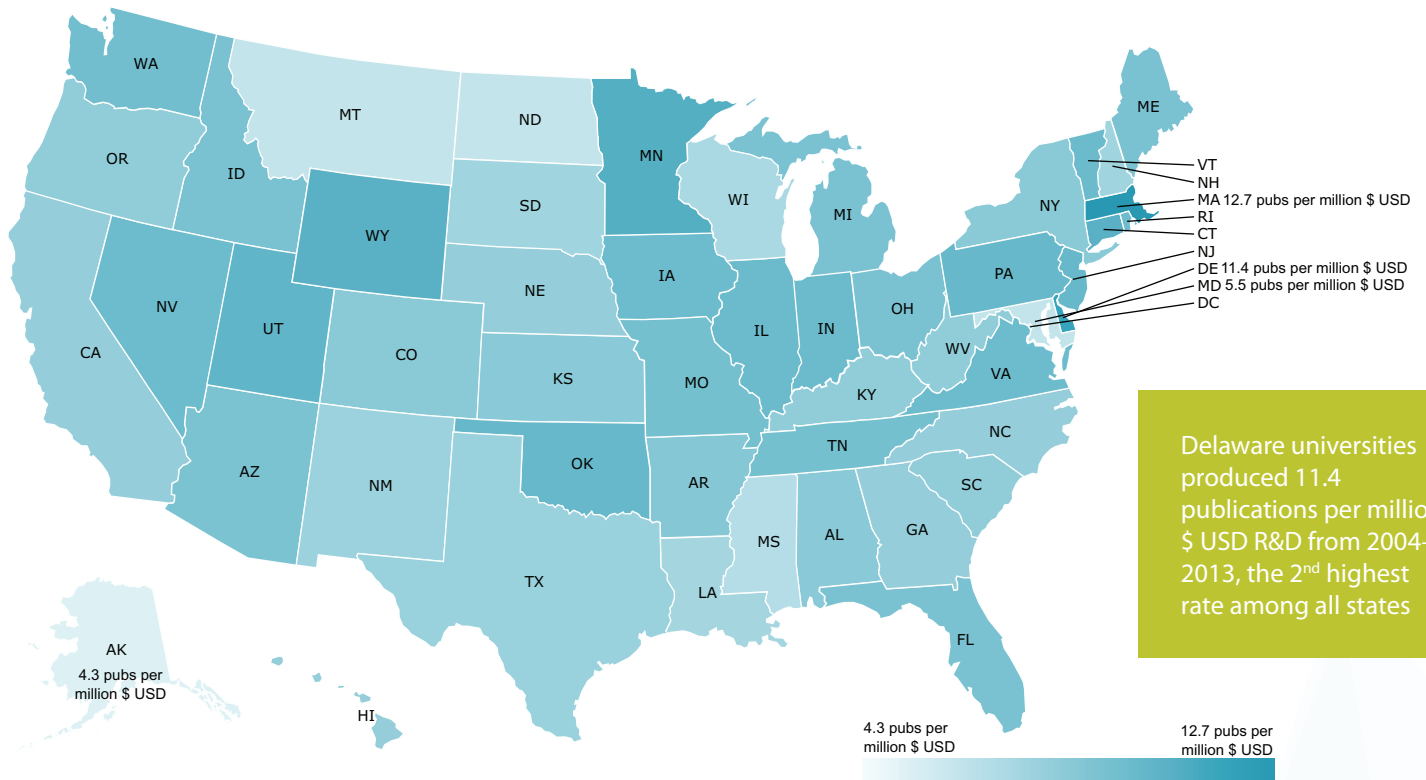
**13.9% of Delaware's total research output is from its corporate sector,
the 2nd highest rate among all states.**

RESEARCH FROM MEDICAL SECTOR, 2004-13

**10.6% of Delaware's total research output is from its medical sector,
the 3rd highest rate among all states.**

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

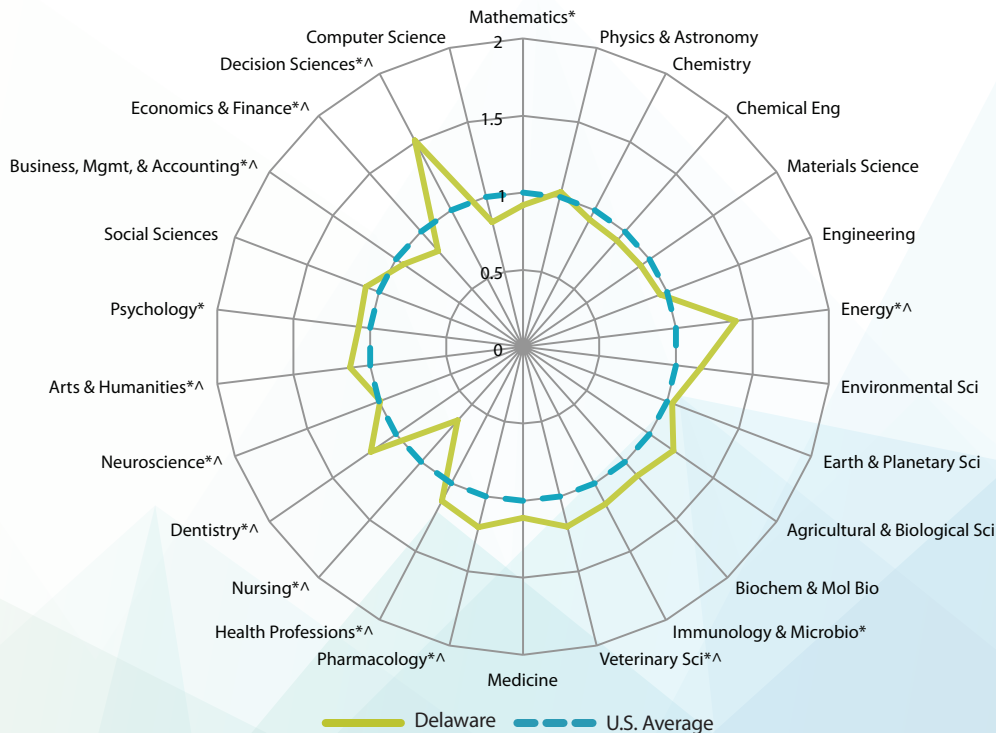
Number of academic publications per million \$ USD in higher education R&D expenditures for U.S. states, 2004–13 (in 2013 \$)



Delaware universities produced 11.4 publications per million \$ USD R&D from 2004–2013, the 2nd highest rate among all states

Source: Scopus® and NSF Higher Education Research and Development Survey

Impact Across Research Fields, 2004–13



Delaware's research in the agricultural and biological sciences is cited 18% more than the U.S. average

* and ^ indicate the state did not produce more than 100 publications in that research field for 2004 or 2013, respectively.

Source: Scopus®