

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.

6.55 PUBLICATIONS

PER 1,000 RESIDENTS, 2013

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

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

1.90 Cited 90% more than
global average

MOST IMPACTFUL RESEARCH FIELD

MEDICINE Ranked 2nd among all states in terms of research
impact and cited **44% more** than the U.S. average.

CALIFORNIA | **TOP COLLABORATING
STATE, 2004–13**

42,985 collaborations (12.4% of all of Maryland's publications)



4TH AMONG ALL STATES | **\$31.6 BILLION**

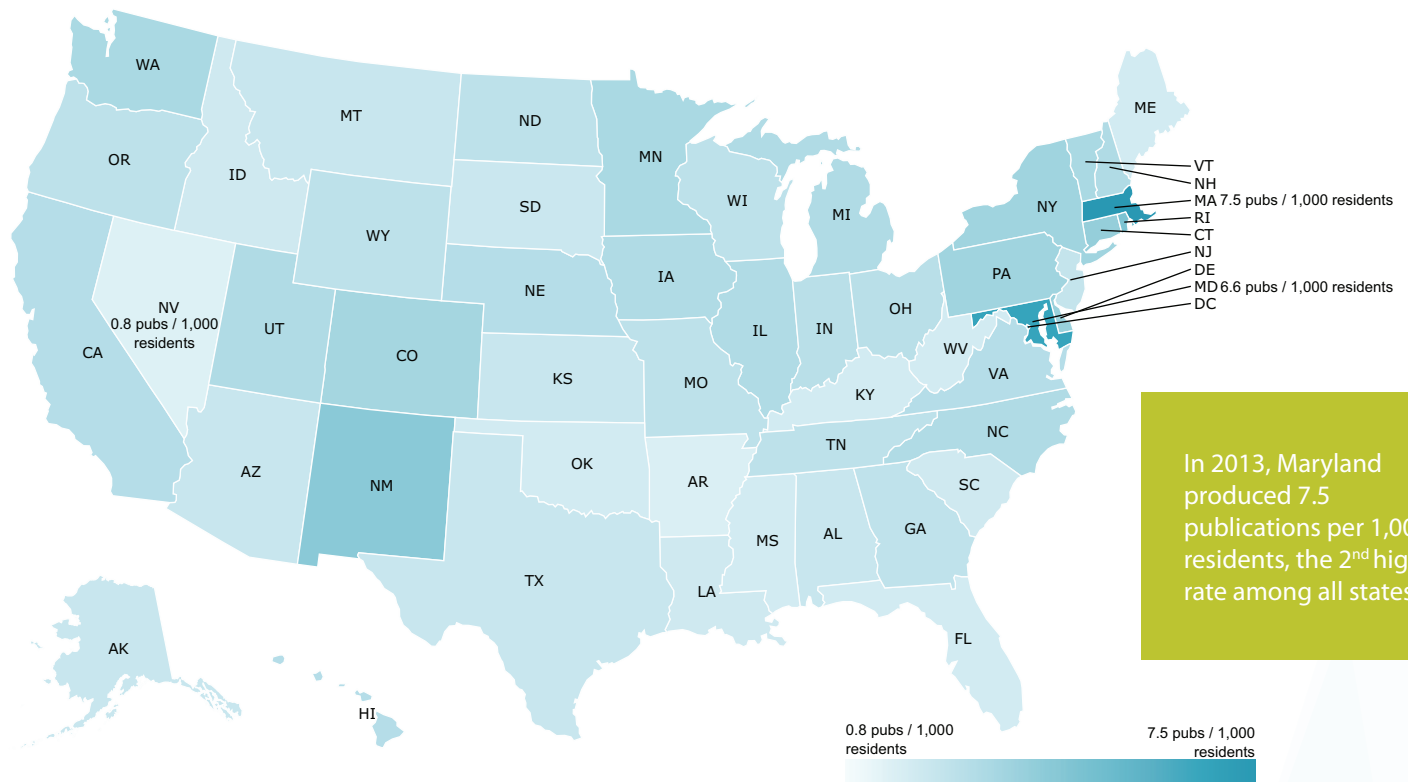
Research and development
funding, 2004-13

4TH AMONG ALL STATES

Research impact across all fields, 2004-13

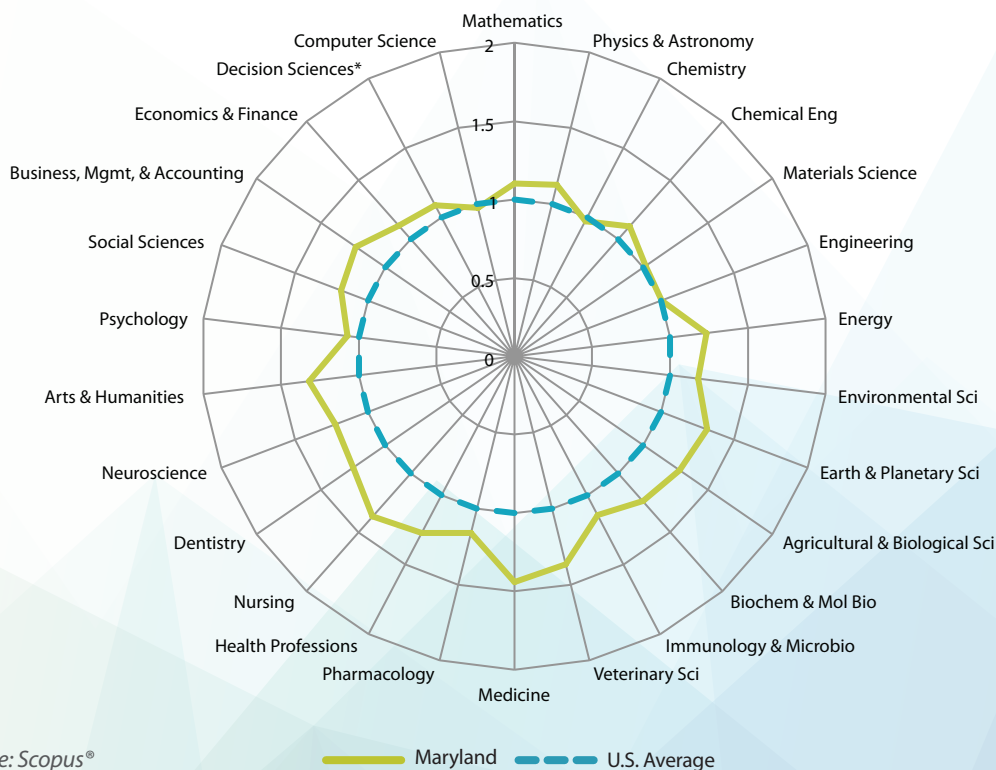
America's Knowledge Economy: A State-by-State Review | MARYLAND

Number of publications per 1,000 residents for U.S. states, 2013.



Source: Scopus® and U.S. Census Bureau

Impact Across Research Fields, 2004–13



The field-weighted citation impact of Maryland's research is above the U.S. average in most areas, particularly the life and health sciences.

Source: Scopus®