

**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](http://www.csg.org/knowledgeeconomy).

**2.44 PUBLICATIONS**

**PER 1,000 RESIDENTS, 2013**

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

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

**1.72** Cited 72% more than  
global average

**COMPARATIVE ADVANTAGE IN RESEARCH**

**ECONOMICS, ECONOMETRICS,  
& FINANCE**

Ranked 4<sup>th</sup> among all states in terms of research  
impact and cited 27% more than the U.S. average.



**CALIFORNIA**

**TOP COLLABORATING  
STATE, 2004–13**

30,134 collaborations (10.7% of all of Illinois's publications)

**CRITICAL MASS OF RESEARCH AND INNOVATION, 2004–13**

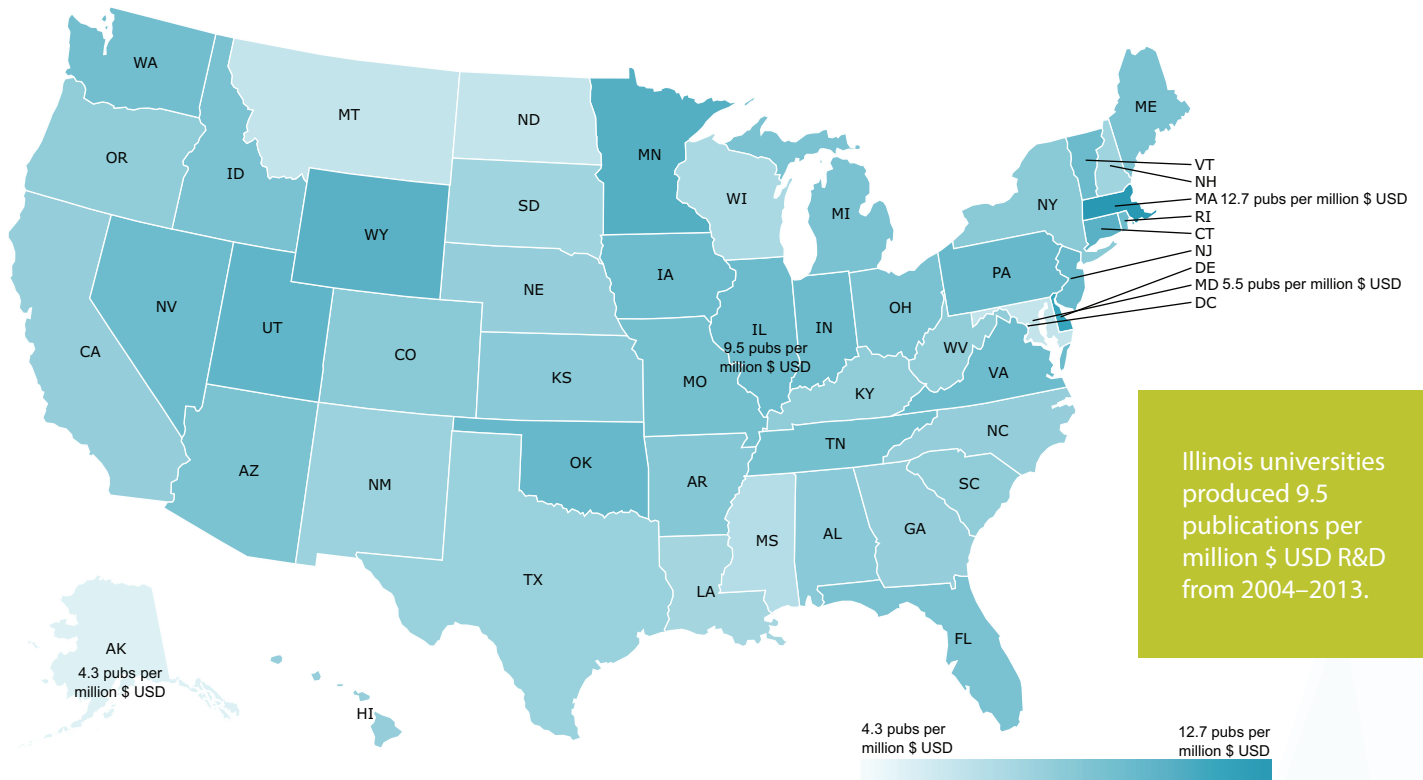
**Illinois researchers and inventors account for 5.8% of all U.S. research publications (7<sup>th</sup> among all states) and 3.6% of all U.S. patents granted (7<sup>th</sup> among all states).**

**RESEARCH STRENGTHS IN PHYSICAL SCIENCES AND ENGINEERING, 2004–13**

**3<sup>rd</sup> among all states in terms of relative impact of research in chemistry and chemical engineering; 5<sup>th</sup> in engineering; 6<sup>th</sup> in materials science.**

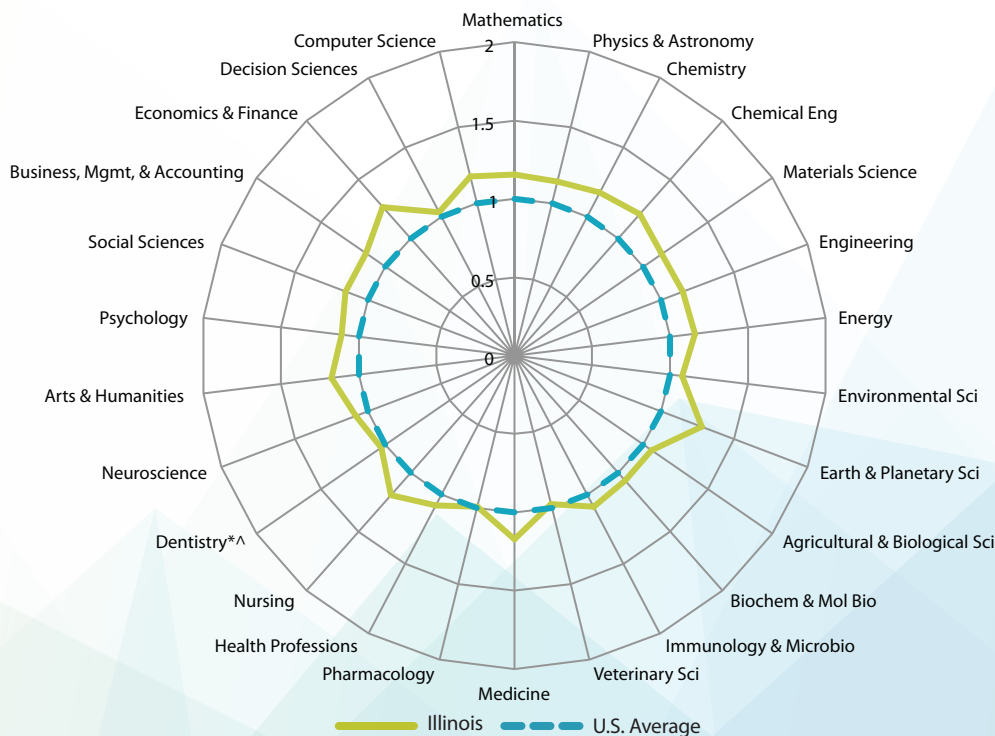
# America's Knowledge Economy: A State-by-State Review | ILLINOIS

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



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

## Impact Across Research Fields, 2004–13



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

Source: Scopus®

Illinois's research in economics, econometrics, and finance is cited 27% more than the U.S. average.