

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.

1.41 PUBLICATIONS

PER 1,000 RESIDENTS, 2013

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

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

1.39 Cited 39% more than
global average

COMPARATIVE ADVANTAGE IN RESEARCH

**AGRICULTURAL &
BIOLOGICAL SCIENCES**

Cited **27% more** than the global average.



NEBRASKA

**TOP COLLABORATING
STATE, 2004–13**

458 collaborations from 2004–2013 (4.9% of all of South Dakota's publications)

GROWTH IN RESEARCH AND DEVELOPMENT FUNDING, 2004–13

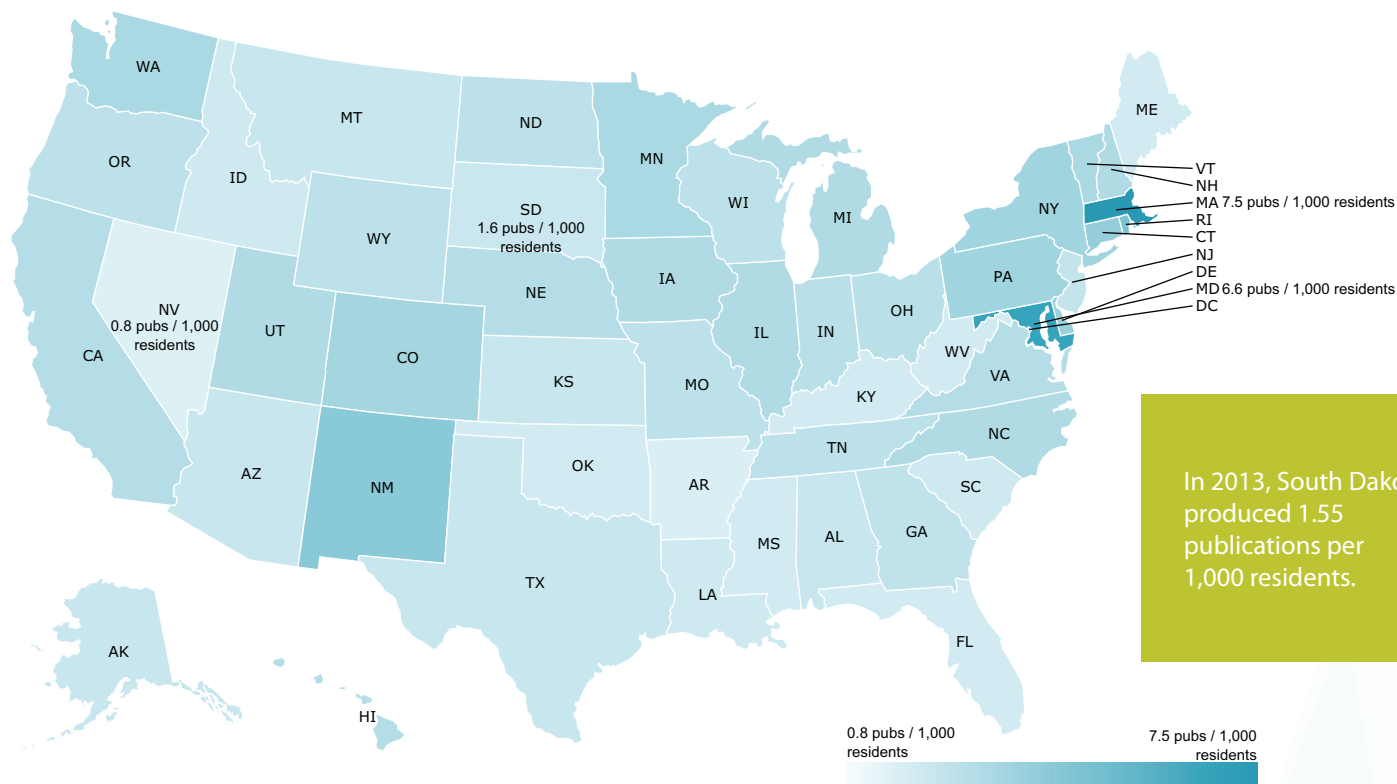
2ND AMONG ALL STATES | **5.42% ANNUAL GROWTH RATE**

GROWTH IN PUBLICATIONS, 2004–13

1ST AMONG ALL STATES | **10.8% ANNUAL GROWTH RATE**

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

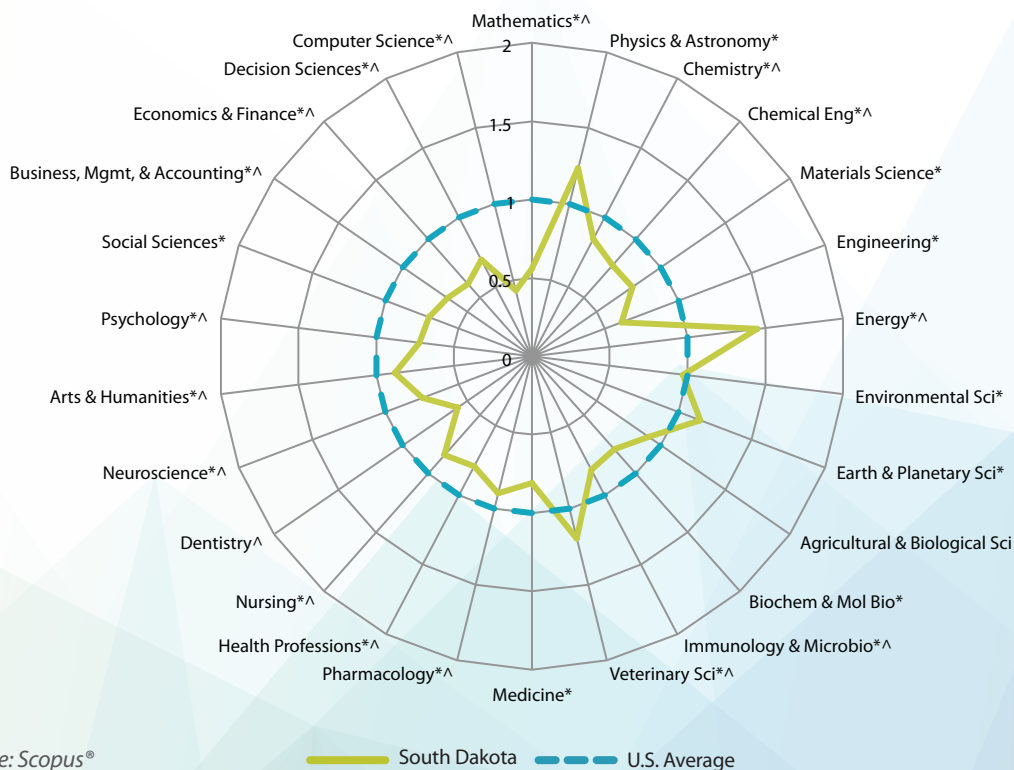
Number of publications per 1,000 residents for U.S. states, 2013



In 2013, South Dakota produced 1.55 publications per 1,000 residents.

Source: Scopus® and U.S. Census Bureau

Impact Across Research Fields, 2004–13



Although South Dakota produces only about 50 publications per year in the field, its research in energy is cited 45% more than the U.S. average.

Source: Scopus®

— South Dakota — U.S. Average