America’s Knowledge Economy: A State-by-State Review

ARKANSAS

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.

1.04 PUBLICATIONS PER 1,000 RESIDENTS, 2013
U.S. Average: 1.70 publications per 1,000 residents

FIELD-WEIGHTED CITATION IMPACT, 2004–13
1.29 Cited 29% more than global average

COMPARATIVE ADVANTAGE IN RESEARCH

BUSINESS, MANAGEMENT, & ACCOUNTING

Ranked 4th among all states in terms of research impact

TEXAS | TOP COLLABORATING STATE, 2004–13
1,882 collaborations (7.1% of all of Arkansas’s publications)

1ST AMONG ALL STATES

Growth in corporate research as percentage of total state research, 2004–13

GROWING CRITICAL MASS OF RESEARCH FROM MEDICAL SECTOR

5th among all states in relative research volume from the medical sector and 3rd among all states in terms of growth of relative research volume from the medical sector.
Number of academic publications per million $ USD in higher education R&D expenditures for U.S. states, 2004-13 (in 2013 $)

Arkansas universities produced 8.3 publications per million $ USD R&D from 2004 to 2013.

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

Impact Across Research Fields, 2004–13

Arkansas’s research in business, management, and accounting is cited 32% 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®