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.

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

FIELD-WEIGHTED CITATION IMPACT, 2004–13
1.55 Cited 55% more than global average

COMPARATIVE ADVANTAGE IN RESEARCH
MEDICINE Cited 19% more than the U.S. average.

MICHIGAN TOP COLLABORATING STATE, 2004–13
11,576 collaborations from 2004–13 (5.0% of all of Ohio’s publications)

RESEARCH FROM MEDICAL SECTOR, 2004–13
16.2% of Ohio’s total research output is from its medical sector, the 2nd highest rate among all states.

RELATIVE VOLUME IN MATERIALS SCIENCE 2004–13
4TH AMONG ALL STATES Ohio produces 33% more publications in materials science than its total research volume would suggest.
America’s Knowledge Economy: A State-by-State Review | OHIO

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

Ohio universities produced 8.7 publications per million $ USD R&D from 2004 to 2013.

Ohio’s research in medicine is cited 19% more than the U.S. average.

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