

LIFE SCIENCES

By the Numbers

OTTAWA HAS EMERGED AS A CENTER FOR DISCOVERY, DEVELOPMENT AND COMMERCIALIZATION FOR HEALTH TECHNOLOGIES AND MEDICAL INNOVATION.



100+
COMPANIES



3,900+
EMPLOYED

20+

ORGANIZATION
AND RESEARCH
INSTITUTES

E-HEALTH ECOSYSTEM



With the 2nd highest concentration of scientists and engineers in North America, 1 in 5 students enrolled in STEM, and home to over 68,000 ICT talent, the national capital region provides an innovative ecosystem for e-health solutions.

+\$185M



5 out of 10 Ottawa hospitals are found on Canada's Top 40 Research Hospitals. Their combined hospital research spending reached +\$185 Million for 2015.

LARGE-SCALE RESEARCH NETWORKS

Three Life Science Networks of Centres of Excellence (NCE) supporting research networks to accelerate R&D and commercialization. They include the Canadian Stroke Network, Stem Cell Network, Biotherapeutics for Cancer Treatment – BioCanR

“Ottawa is home to so many unique and innovative start-ups that help us think bigger and better. The connections, tips, and advice gained through Ottawa's entrepreneurial community have been invaluable to Spartan's growth. In addition, being located near Carleton University and the University of Ottawa is great for recruitment.”

Paul Lem, CEO and founder, Spartan Bio

HEALTH REVOLUTION



The University of Ottawa Heart Institute is Canada's largest cardiovascular health centre, globally recognized as the **top 3%** of worldwide research institutions based on the quality and impact of its scientific publications.

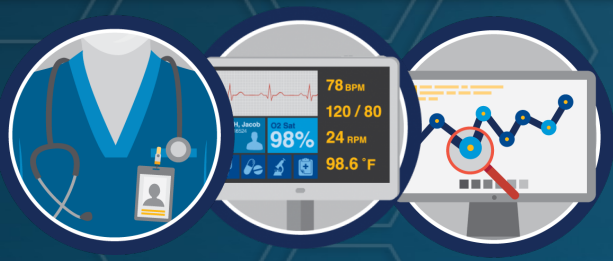
Source: Scimago Institutions Rankings (2016)

GLOBAL INFLUENCE



The New England Journal of Medicine, The World's #1 medical journal selected two research studies from The Ottawa Hospital among its top 12 of 2015.

Source: Ottawa Hospital (2015)



Major Ottawa sub sectors include:

- E-Health
- Medical Devices
- Biopharmaceuticals

QUALITY TALENT



Among Canadian universities, uOttawa ranked #1 in the Medical/Doctoral category for Research Publications Growth 2000-2014.

Source: Research info source (2015)



#1 IN THE WORLD

Ontario-Quebec Life Sciences Corridor enables two provinces to become the largest bio-cluster in the world.

OTTAWA HEALTHCARE INSTITUTIONS MEDICAL RESEARCH CAPABILITIES



5
MAJOR
RESEARCH
HOSPITALS



2,100+
COMBINED HOSPITAL
RESEARCHERS



1,500+
CLINICAL RESEARCH
& ACTIVE STUDIES
(2015-2016)

\$187M

COMBINED
RESEARCH
SPENDING

RESEARCH EXCELLENCE

Home to Canada's largest learning and research hospital with an annual budget of over \$1.2 billion and North America's largest simulation based operation room (OR) training center.

Source: Ottawa Hospital

COMPETITIVE COSTS

Canada is the lowest-cost G7 country in Biotechnology, Product Testing and Clinical Trials industries.

Source: Invest in Canada (2016)

EXPERT SUPPORT



"The Ottawa Hospital is an ideal environment for young investigators like me to do clinical trials. I had a lot of support from different research groups and my mentors."

- Dr. Carrier, senior scientist at The Ottawa Hospital

BREAKING BARRIERS

Ottawa Researchers lead in health care advancements. Recent achievements include:

- 5 world leading clinical trials that include; stem cell therapy for septic shock and double-virus therapy for cancer.
- The first nerve transfer surgery in Canada.
- First-in-Canada high-tech surgical suites for less-invasive vascular surgery.