

HEALTH RESEARCH



CIHR IRSC
Canadian Institutes of Health Research / Instituts de recherche en santé du Canada

FOR CANADIANS

One of the most important investments we can make as a nation



Canadian Institutes of Health Research (CIHR)

CIHR is using the power of research to improve the health of Canadians, solve health challenges and make our health care system more efficient and effective.



INVESTMENTS
\$1 billion

in annual investments

to provide financing for **13 000** researchers and trainees



Where does the money go?



70%

to support projects proposed by researchers.



Researchers explore and test ideas to advance our understanding of the factors influencing our health. They also train the next generation of researchers, leaders and professionals.

30%

to support research priorities established by CIHR.



CIHR and its partners invest in national and international research to address specific health challenges (such as dementia), or to respond to national or global health crises (like SARS or Ebola).

What does CIHR invest in?

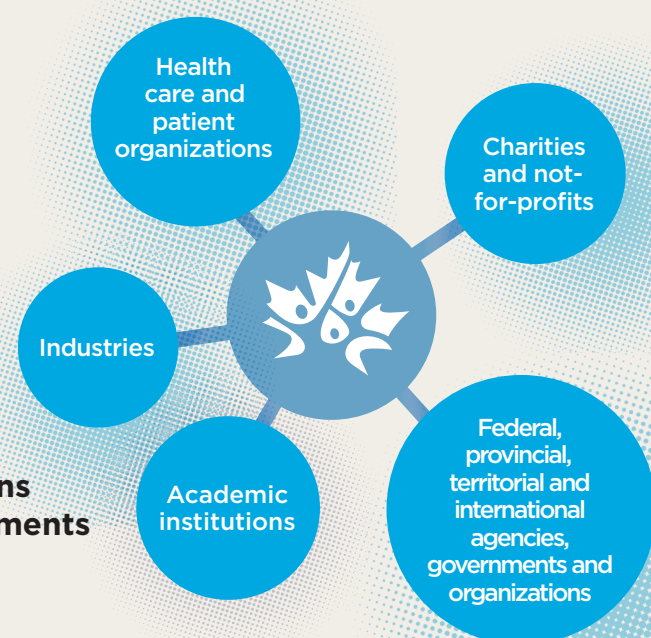
TOP 10 AREAS OF RESEARCH

- Infection
- Healthy pregnancy and childbirth
- Cardiovascular health
- Alzheimer's and related dementias
- Mental health and behavioural conditions
- Neurodegenerative diseases
- Diabetes
- Obesity
- Respiratory health
- Cancer

COLLABORATION

Making Canadians healthier is a collective effort

CIHR partners with over **250** organizations and governments



Close to **\$200 million** secured from partners for research

To pool resources, expertise and money.

To get new perspectives and set common priorities.

To accelerate the process between scientific discovery and its application in policy, services, treatments and products.



Research is a journey

From the idea to the real world, research takes time.

A new drug or device that is safe, saves lives or reduces diseases can take **15 to 20** years to bring to market.

But how does it work?

1st STEP

DISCOVERY

Sometimes, when a crisis arises, decades of research can help accelerate progress in a priority area.

Canada was able to launch the Ebola vaccine clinical trials in less than a year.



Identify an issue to explore or a problem to solve. Conduct research, increase our understanding and discover potential solutions.

2nd STEP

DEVELOPMENT

Ensure that ideas work in the real world - conduct interviews, trials and tests on new products, procedures, and models of care.

3rd STEP

DELIVERY

Validate what works, for whom, under what circumstances, and how best to bring successful health products to market. Implement proven health care practices and promote healthy lifestyles.



RESULTS

Canadians today are living longer and healthier lives than ever before.

Life expectancy in 1900 was 50 years.

Life expectancy TODAY

80 or **84**

Health research saves lives, time and money

Thanks to health research advances

The cardiovascular death rate in Canada has declined by more than **75%** since 1952 and nearly **40%** in the last decade alone...



And this is just one of many examples of health research at work.

As we age, we depend more and more on our health care system.

\$215 billion

This is how much we spend on health care every year in Canada.

Investments in health research will help reduce health care costs.

A project in Alberta has led to faster hip and knee replacements for patients. Led by the Alberta Bone and Joint Health Institute and several CIHR-funded researchers, this new centralized model of care is saving both time and money:

Wait times decreased from **47 weeks** to less than **5 weeks**

Length of hospital stay decreased from **6 days** to **4 days**

Cost savings from nationwide implementation: approximately **\$228 million/year**



For more information about CIHR, please go to www.cihr-irsc.gc.ca.

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