Life Sciences

Alberta is recognized nationally and globally for expertise in neurology, diabetes and islet transplantation research, cancer research and treatment, bone and joint research and vaccines for infection diseases and cardiology. The health ecosystem contributes to nearly 7.5% of GDP in the Edmonton Metro Region.



The Edmonton Region is a centre for medical device research & commercialization, with expertise in health and life sciences forming a core component of the region's economy

lab in western Canada Unique data assets fostering $\left(\right)$ ground-breaking research

The only cellular manufacturing

Largest integrated healthcare

Access to world renowned

system in Canada

health facilities

LIFE SCIENCES HIGHLIGHTS

\$54.7m Annual exports from Alberta

6,205 Workers in **Edmonton Region**

1,227 Establishments in Alberta

MEDICAL TECH AND DEVICES

- Edmonton Region's Health ۲ Accelerator, TEC, is ranked as the #1 business incubator in North America
- As a highly diversified & export-oriented industry, Canada's medical device exports increased from \$2.3b to \$3.8b from 2013 to 2017



HEALTH RESEARCH

- The headquarters of Alberta Health Services (AHS) in Edmonton Region is at the heart of a strong health cluster
- The University of Alberta's Faculty of Medicine & Dentistry in Edmonton has several departments and research specialties in cardiology, virology, oncology, and organ transplantation

BIOTECH & PHARMA

- 60% of Alberta's biotech firms are based in the Edmonton Metropolitan Region, including over 10 pharmaceutical and medicine manufacturing firms
- R&D investment in Alberta's pharma industry is expected to grow at a CAGR of 3.7% over the next five years



Edmonton





200% GROWTH

in biotech research and development spending in Alberta from 2014 to 2017

51 COUNTRIES

Preferred market access to 51 countries, representing approximately 1.5 billion consumers and over 67 per cent of global GDP

\$5.9b **EXPORTS** TO THE USA

Canada exported \$5.9 billion in pharmaceutical and medicine products in 2017 to the US

b REVENUE

Generated by life science companies in Alberta in 2015

Life Sciences



ALBERTA

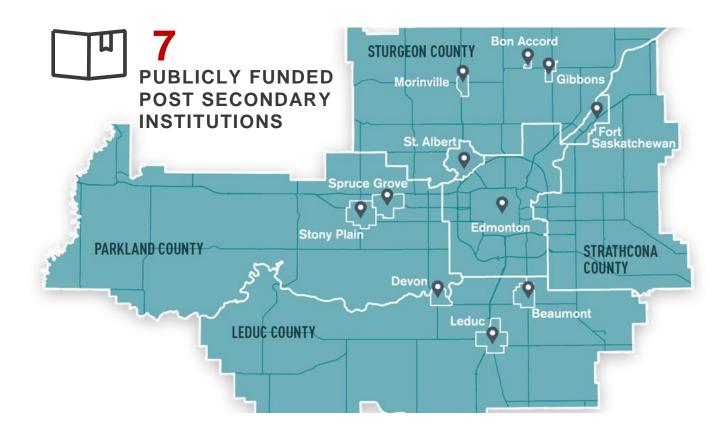
TOP FACULTY OF MEDICINE AND DENTISTRY

19 DEPARTMENTS WITH MASTER'S & PhD PROGRAMS

TALENT & EDUCATION

UNIVERSITY OF ALBERTA

- One of Canada's leading research universities, attracting more than **\$500m** annually in external research funding
- Connected to Edmonton's specialized hospitals with leading health research institutes such as:
 - Cross Cancer Institute
 - Mankowitz Alberta Heart Institute
 - Metabolomics Innovation Center
 - Glenrose Rehabilitation Hospital
 - Li Ka Shing Institute of Virology
 - Smart Network (Sensory Moto Adaptive Rehabilitation Technology) – Intelligent medical devices and innovative rehabilitation interventions



INNOVATION ECOSYSTEM

TEC EDMONTON HEALTH ACCELERATOR

 Encourages innovative companies to enter health sciences. Aims to assist at least 50 new companies over five years

APPLIED PHARMACEUTICAL INNOVATION

 Offers a first-in-class model for the commercialization of pharmaceutical research

EDMONTON HEALTH CITY

 Creates an enabling environment to advance disruptive health innovations with commercial application and global relevance \$15.3b ANNUAL OPERATING BUDGET - ALBERTA HEALTH SERVICES (AHS)

BUSINESS ENVIRONMENT

COMPETITIVE TAX REGIME

 At 11%, Alberta currently has the lowest corporate tax rate in Canada. The province's tax rate is set to be further reduced to 8% by 2020

R&D TAX CREDITS

 Federal investment tax credit ranging from 15% to 35% for scientific research and experimental development expenditures

"Edmonton's economy, talented workforce, significant military presence, unified healthcare infrastructure & government investment is an ideal landscape, positioning the region as an industry leader"

MCKESSON

DENNIS FILIPS Founder & President, iTraumaCare



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