The Edmonton Metropolitan Region combines a university ranked 3rd globally in AI research, accessible health datasets from 4.5 million people, world-class medical infrastructure, and thriving R&D.

**$4 BILLION** Global Health AI market in 2018

**41%** ANNUAL GROWTH projected from 2019 to 2025

AI could add as much as **$15.7 TRILLION** to the global economy by 2030.

**4.5 MILLION** HEALTH RECORDS Canada’s largest single dataset.

**TOP 3** IN THE WORLD The University of Alberta is a world-leader in AI research.

THE EDMONTON REGION HAS OPEN AND MODERN REGULATORY FRAMEWORKS FOR BOTH AI AND DATA, INCLUDING SYNTHETIC DATA.

**OPPORTUNITY**

The global economic downturn will lead to middle-income countries looking for more efficient health spending solutions.

Wealthy countries will be increasingly focused on managing an aging population.

AI has the capacity to supply solutions for both.

In 2018, global Health AI was valued at $4 billion with an expected compound annual growth rate of 41.5% from 2019 to 2025.

Technology and innovation in Health AI have the capacity to solve healthcare challenges including:

- Preventative medicine
- Early detection/diagnosis
- Decision making in medically complex scenarios
- Treatment planning
AI INTEGRATION WITH HEALTHCARE

- Alberta Health Services (AHS) is Canada’s largest single healthcare system.
- Integrating AI into its 4.5 million diverse population has the potential to translate into a product that can be exported beyond big metropolitan centres.

INCENTIVES & TAX CREDITS

- Companies benefit from the Government of Canada investment tax credit ranging from 15% to 35% for scientific research and experimental development opportunities.
- The $1.26 billion Government of Canada Strategic Innovation Fund generates incentives for large (+$10 million) R&D and commercialization projects across all industries.
- Government of Alberta Innovation Employment Grant will support businesses that invest in R&D with a grant worth up to 20% of qualifying expenditures.

ECOSYSTEM SNAPSHOT

DIGITAL HEALTH CANADA
A national organization supported by Alberta Health Services and Alberta Innovates

HEALTH CITY
Edmonton region based economic development initiative working to integrate AI and synthetic data into the healthcare system

UNIVERSITY OF ALBERTA
Computing science department ranked 3rd globally for AI research

ALTAML
Edmonton company that partners with industry for AI adoption
Notable partnerships include:
- Boehringer Ingelheim Canada & Oliver Primary Care Network

ALBERTA MACHINE INTELLIGENCE INSTITUTE (Amii)

- A not-for-profit research institute that is a global leader in AI, including health AI
- Amii enables organizations to access advanced expertise and grow in-house AI capabilities
- Notable partnerships include:
  - Hoffman-La Roche - a multinational health and life sciences company
  - DrugBank - a rapidly growing bioinformatics and cheminformatics company

CASE STUDY - BIONIC LIMBS FOR IMPROVED NATURAL CONTROL (BLINC) LAB
An Edmonton region lab using robotics and machine learning to improve sensory motor control and integration of advanced prosthetics and robotic systems

CASE STUDY – MEDO.AI
Internationally growing diagnostic company using AI for ultrasound applications which has recently received FDA approval for their product

Contact Edmonton Global’s Robert Sikora to receive a detailed business case and competitiveness scan for health AI investment opportunities in the Edmonton Metropolitan Region.

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