

Canada's 2026 Health Tech Surge: AI, Wearables, and Gene Editing's Viral Impact

HealthTech Canada · Answer Key · 16 Questions

1. In 2026, which AI application in Canadian healthcare is most frequently cited as a driver for reducing unexpected patient deaths, with a reported impact of a 26% reduction in one major hospital?

- A) AI-powered diagnostic imaging for early cancer detection
- B) A mortality prediction algorithm**
- C) AI scribes for automated clinical documentation
- D) AI for optimizing hospital supply chain management

2. As of 2026, what percentage of Canadians are projected to own a wearable device, a trend significantly driven by preventative health features and advanced sensors?

- A) Nearly 1 in 4 Canadians
- B) Approximately half of all Canadians
- C) Nearly 1 in 3 Canadians**
- D) Less than 1 in 10 Canadians

3. Which gene-editing technology is being explored by UBC researchers for a topical therapy to correct faulty genes in skin conditions, potentially offering a lasting cure?

- A) TALENs (Transcription Activator-Like Effector Nucleases)
- B) CRISPR-based therapy**
- C) Zinc-finger nucleases (ZFNs)
- D) Prime editing

4. According to a 2026 report, what is the primary concern driving most AI queries by Canadians seeking health information online, despite the risks associated with AI-generated advice?

- A) Accuracy of the medical information
- B) Personalized treatment recommendations
- C) Speed of obtaining information**
- D) Anonymity of the AI source

5. In 2026, the Public Health Agency of Canada (PHAC) is developing a new Pandemic Preparedness Plan. What type of infectious diseases is this plan primarily designed to guide Canada through, while remaining flexible for others?

- A) Gastrointestinal pathogens
- B) Respiratory infectious diseases**
- C) Vector-borne diseases
- D) Antimicrobial-resistant bacteria

6. What percentage of Canadians surveyed in a 2025 report by the Canadian Medical Association (CMA) indicated they are highly susceptible to believing health misinformation?

- A) 25%
- B) 43%**
- C) 62%
- D) 10%

7. In 2026, Canada has become a global leader in mRNA medicines. However, a report highlights that a significant portion of survey respondents express skepticism about mRNA safety, with what percentage agreeing that mRNA technology is safe?

- A) 84%
- B) 62%**
- C) 58%
- D) 75%

8. Which specific gene-editing tool is being investigated by researchers at The Hospital for Sick Children (SickKids) for its potential to correct specific Duchenne Muscular Dystrophy (DMD) pathogenic variants?

- A) Prime Editing
- B) Base Editing
- C) CRISPR/Cas-9**
- D) TALENs

9. As of 2026, what is a key trend in the Canadian wellness device market, signifying a shift from basic fitness tracking to more advanced health management?

- A) Increased focus on aesthetic design
- B) Integration with smart home entertainment systems
- C) The 'Medicalization' of Wearables**
- D) Bundling with mobile phone contracts

10. Canada's Pan-Canadian Action Plan on Antimicrobial Resistance, released in June 2023, identifies priority actions across five key areas. Which of the following is NOT one of these key areas?

- A) Research and innovation
- B) Surveillance
- C) Genomic sequencing of pathogens**
- D) Infection prevention and control

11. What is the projected compound annual growth rate (CAGR) for the Canadian wearable technology market from 2026 to 2033, according to Grand View Research?

- A) 6.5%
- B) 8.8%**
- C) 10.4%
- D) 16.63%

12. In the context of AI in healthcare regulation in 2026, which layer of the AI stack is described as having 'Low Reg' (low regulation) and focusing on data privacy rather than patient safety?

- A) Clinical Decision Support (CDS)
- B) Diagnostic/Therapeutic AI
- C) Reference AI
- D) Workflow AI**

13. Which Canadian initiative, as of 2026, is dedicated to supporting early-stage life sciences and health tech companies by helping them raise capital and commercialize their technologies?

- A) Canada Health Infoway
- B) The Centre for Aging + Brain Health Innovation (CABHI)
- C) Ontario Bioscience Innovation Organization (OBIO®)**
- D) Genome Canada

14. What is the projected annual death toll in Canada attributable to Antimicrobial Resistance (AMR) by 2050, according to a report referenced by Canada.ca?

- A) Approximately 5,400
- B) Over 13,500**
- C) 396,000
- D) 10,000

15. Which Canadian university is a lead institution in the Bridge Research Consortium, examining public sentiment and engagement with mRNA technology?

- A) University of Toronto
- B) Université Laval
- C) Simon Fraser University**
- D) McGill University

16. What significant milestone did Moderna achieve in August 2025 regarding its COVID-19 mRNA vaccine, Spikevax®, for the Canadian market?

- A) Received first domestic approval for an mRNA vaccine
- B) Became the sole supplier of COVID-19 vaccines in Canada
- C) Manufactured all pre-filled syringe (PFS) doses domestically**
- D) Launched a new vaccine targeting variants beyond LP.8.1