



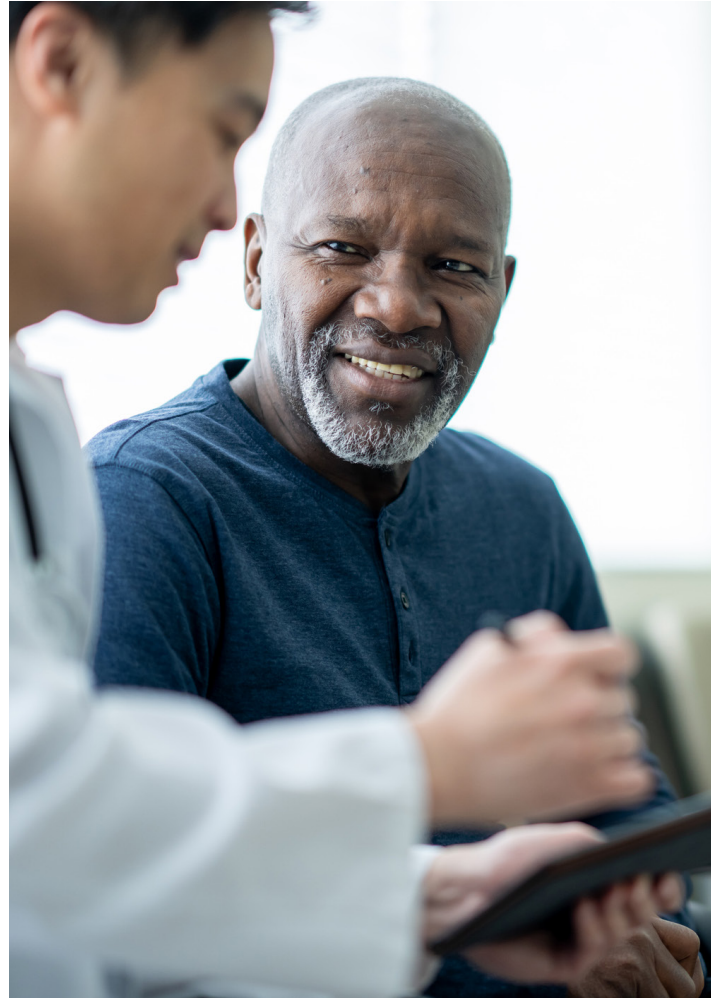
CANADIAN PRECISION HEALTH INITIATIVE

BRINGING TOMORROW'S HEALTH CARE TO CANADIANS TODAY

What if your doctor could really see you? Not just the *physical* you, but also the *genetic* you. The future of health care is personal. Advances in genomic science are delivering the genetic precision needed to tailor health care to each of us. We now have the means to develop more precise, personalized, predictive, preventative and cost-effective health-care options. And they will transform the way we tackle chronic and rare disease, global pandemics and development of the cutting-edge tools we need to extend and enhance our lives.

The new Canadian Precision Health Initiative is accelerating these benefits through the most ambitious genomic health research program in Canadian history.

Launched in fall 2024, this initiative will gather, share and make accessible genomic data from 100,000+ people living in Canada to accelerate research, foster innovation and improve health. We will help transform Canada's health-care approach into a modern, precision health system delivering a new standard of care to Canadians.



THE CANADIAN PRECISION HEALTH INITIATIVE WILL:

- **Generate** a coordinated, large-scale and diverse genomic data asset that reflects Canada's population.
- **Advance** research outcomes and clinical impacts for patients.
- **Accelerate** the application and uptake of genomic data.
- **Build and coordinate** a community to shape precision health in Canada.

\$200M

investment
expected from
Genome Canada
and partners

FOUR PILLARS OF THE CANADIAN PRECISION HEALTH INITIATIVE

The **Canadian Precision Health Initiative** will engage and benefit a diverse group of stakeholders, including researchers, governments, industry, non-profit organizations, clinicians and patients. We will work with partners across sectors to fund a portfolio of projects that deliver next generation health care to all Canadians.



Build a Canadian alliance for genomics in health



Generate population-level diverse genomic data



Mobilize and advance the utility of genomic data



Implement data governance and GE³LS* policies

**Genomics and its environmental, economic, ethical, legal and social aspects*

FOUNDATIONAL PRECISION HEALTH RESEARCH ALREADY UNDERWAY



*COVID-19 testing at the lab at Calgary's South Health Campus.
(Alberta Precision Laboratories)*

Genome Canada has already invested more than **\$715 million** and leveraged more than **\$1 billion** of co-funding in health genomics research projects:

- **All for One** funds projects across Canada that advance precision health for patients and build data-sharing capacity for practitioners.
- The **Large-Scale Applied Research Project** supports teams working to improve health outcomes and delivery through improved diagnostics and drug efficacy for children.
- The **Genomics Applications Partnership Program** has funded 57 precision health projects, from improving pathogen surveillance to improving cancer treatments and diagnoses.
- The **Canadian COVID-19 Genomics Network** connected agencies to track viral origin, spread and evolution of SARS-CoV-2, characterize the role of human genetics in COVID-19 disease and inform public health decision-making during the pandemic.

Partner with us!

Learn more about Genome Canada and the Canadian Precision Health Initiative at [GENOMECANADA.CA](https://genomecanada.ca).

Questions? Please contact precisionhealth@genomecanada.ca.

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