

GenTraceDx National Pilot Physician Information & Pre-Enrolment

ABOUT GENTRACEDX

GenTraceDx is a precision oncology platform designed to integrate comprehensive genomic and transcriptomic analysis with continuously updating clinical interpretation.

Unlike conventional testing approaches that generate a static report, GenTraceDx continuously incorporates new scientific evidence, therapeutic opportunities, biomarkers, and clinical insights as they emerge.

WHY GENTRACEDX?

Cancer research evolves rapidly, yet most precision oncology reports represent a single point-in-time interpretation. GenTraceDx combines comprehensive tumour-normal genomic and transcriptomic analysis with AI-assisted interpretation and longitudinal clinical reanalysis to provide a more comprehensive and continually evolving precision oncology assessment throughout a patient's cancer journey. The goal is to provide physicians with the most comprehensive and clinically relevant interpretation possible throughout the patient's cancer journey.

NATIONAL COLLABORATION

GenTraceDx is being developed through a Canadian collaboration led by:

Genetrack Biolabs – A Canadian leader in regulated clinical diagnostics with more than 26 years of experience in clinical genomics.

Canada's Michael Smith Genome Sciences Centre (GSC) – An internationally recognized leader in cancer genomics, clinical sequencing, and translational cancer research

CLINICAL WORKFLOW

How it works:

1. Patient referred by participating physician
2. Comprehensive tumour-normal genomic and transcriptomic analysis performed
3. Comprehensive precision oncology report delivered to the treating physician
4. Longitudinal clinical reanalysis as new scientific evidence becomes available
5. Updated clinically relevant findings communicated to the treating physician when appropriate

SUPPORTED BY

The GenTraceDx National Pilot is supported through the Genomics Applications Partnership Program (GAPP) funded by Genome Canada and Genome British Columbia

GENTRACEDX NATIONAL PILOT

The GenTraceDx National Pilot will evaluate the clinical utility of comprehensive multiomic analysis and continuously updating clinical interpretation in real-world oncology settings across Canada.

Pilot Objectives

- Evaluate the clinical utility of comprehensive multiomic analysis
- Evaluate the value of longitudinal clinical interpretation
- Compare GenTraceDx findings with previous precision oncology testing
- Improve identification of clinically relevant therapeutic opportunities

PARTICIPATING PHYSICIANS

Participating physicians will identify potentially eligible patients, provide relevant clinical information, and submit available tumour specimens and prior molecular testing results. GenTraceDx will perform comprehensive molecular analysis and provide a precision oncology report for physician review.

PARTICIPATING PATIENTS

Eligible patients may receive:

- Comprehensive tumour-normal genomic and transcriptomic analysis
- AI-assisted precision oncology interpretation
- Longitudinal clinical reanalysis as new scientific evidence emerges
- A continuously updated precision oncology report provided to the treating physician

PATIENT ELIGIBILITY

Patients may be eligible if they:

- Have a confirmed diagnosis of cancer
- Have previously undergone precision oncology testing through a recognized clinical laboratory
- Have previous precision oncology testing results available for comparison
- Have tumour tissue or other suitable clinical specimens available

CLINICAL USE

GenTraceDx is a clinical decision-support platform. It does not replace physician judgment or institutional protocols. All treatment decisions remain the responsibility of the treating clinician.

PHYSICIAN PRE-ENROLMENT

Physicians, oncology clinics, hospitals, cancer centres, and academic institutions interested in participating in the GenTraceDx National Pilot are invited to pre-enrol.

Pre-enrolment allows interested participants to receive updates regarding pilot eligibility, participation requirements, onboarding, and future patient referral opportunities.

Pre-Enrol Online:

www.gentrace.com/physician