

An estimated **6,700**
Canadians were diagnosed with
leukemia in 2019.

Medical lab assistants (MLAs) manage and
medical lab technologists (MLTs) analyze
the blood samples needed for diagnoses.

Papanicolaou Test Cytology

Over **4,000,000**
Pap tests are done every year
in Canada.

Diagnostic Cytology MLTs study each test
sample to detect abnormal cells.

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CSMLS  SCSLM

Canadian Society for Medical Laboratory Science
Société canadienne de science de laboratoire médical

Prenatal Screening Genetics

Each year, **10,000** Canadian women undergo amniocentesis.

Clinical Genetics MLTs analyze babies' chromosomes to check for abnormalities.

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<https://globalnews.ca/news/1557278/prenatal-test-offers-alternative-to-amniocentesis/>

In 2019, an estimated **220,400** new cases of cancer were diagnosed.

MLTs examined samples to help diagnose each case.

About **75,000** genetic testing products are on the market today.

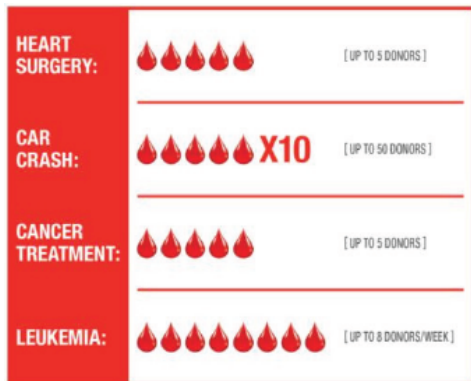
Clinical Genetics MLTs analyze genes to detect diseases or risk of cancer.

Blood Donations

Transfusion Science

Blood and blood products are a critical part of everyday medical care.

MLAs and MLTs are central to the collection, management, and distribution of quality blood products across Canada.



Canadian Blood Services

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<https://blood.ca/en/blood/donating-blood>