

Leukemia | Hematology

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.

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CSMLS  SCSLM

csmls.org | scslm.org

<http://www.cancer.ca/en/cancer-information/cancer-type/leukemia/statistics/?region=bc>

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.

Prenatal Screening | Genetics

Each year, **10,000**
Canadian women undergo am-
niocentesis.

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/>

Cancer | Histology

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

MLTs examined samples to help diagnose each case.

Genetic Testing | Genetics

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

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

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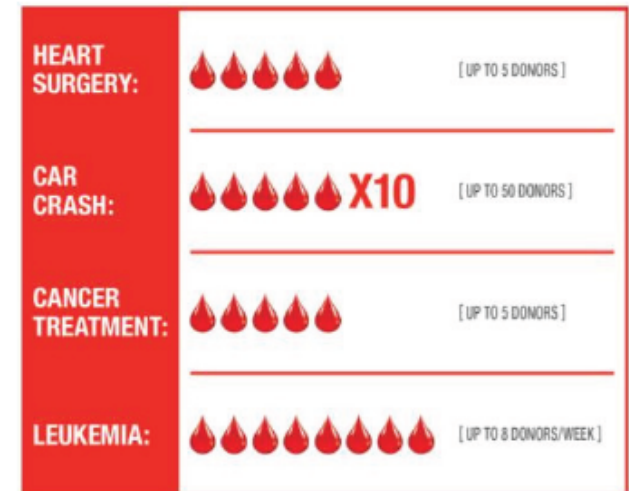
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US statistic: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5987210/>

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.



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<https://blood.ca/en/blood/donating-blood>
Canadian Blood Services