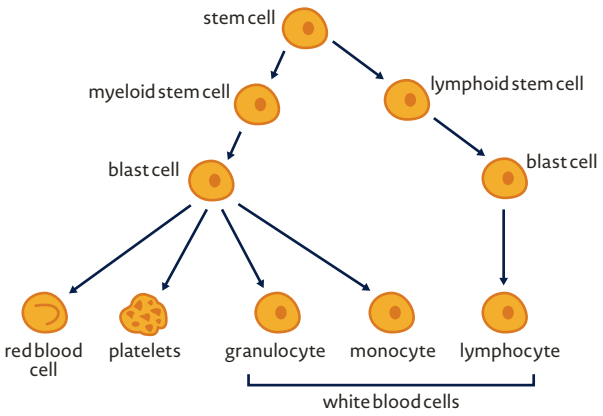
CHRONIC LYMPHOCYTIC LEUKEMIA (CLL)

Chronic lymphocytic leukemia (CLL) is a cancer that starts in blood stem cells. As stem cells develop, they become blast cells (immature blood cells). In leukemia, there is an overproduction of blast cells, which over time, crowd out normal blood cells so that they can't do their jobs.[1]

DEVELOPMENT OF BLOOD CELLS[1]



LYMPHOCYTIC LEUKEMIAS develop from abnormal lymphoid stem cells. Lymphoid stem cells normally develop into lymphocytes, found in blood and the lymphatic system.

WHO IS AFFECTED BY CLL?[2,4]

1,745 CANADIANS are diagnosed each year

More common in **MEN** than **WOMEN**

Occurs mainly in people over **60 YEARS**

Average age of diagnosis is early-70s

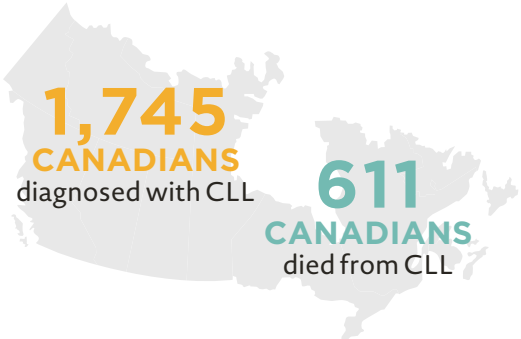
SIGNS + SYMPTOMS[3]

Chronic leukemia often causes few or no symptoms at all.

SIGNS AND SYMPTOMS USUALLY DEVELOP GRADUALLY OVER TIME.

The disease is often found during a routine blood test.

CLL IN CANADA (2016-17)[4]



1,100 men diagnosed
361 men died

645 women diagnosed
250 women died

RELAPSED VS. REFRACTORY CLL[5]

RELAPSED, OR RECURRENT, CLL:
Cancer has come back after treatment and remission

REFRACTORY DISEASE:
Leukemia did not respond to treatment

References
1. Canadian Cancer Society. What is Chronic Lymphocytic Leukemia? http://www.cancer.ca/en/cancer-information/cancer-type/leukemia-chronic-lymphocytic-cll/chronic-lymphocytic-leukemia/?region=on
2. Lymphoma Canada. About CLL & SLL. http://www.lymphoma.ca/lymphoma/cll-sll/about-cll-sll
3. Canadian Cancer Society. Symptoms of Leukemia. http://www.cancer.ca/en/cancer-information/cancer-type/leukemia-chronic-lymphocytic-cll/signs-and-symptoms/?region=on
4. Canadian Cancer Society. Chronic Lymphocytic Leukemia Statistics. http://www.cancer.ca/en/cancer-information/cancer-type/leukemia-chronic-lymphocytic-cll/statistics/?region=on
5. Canadian Cancer Society. Treatments for relapsed or refractory chronic lymphocytic leukemia. http://www.cancer.ca/en/cancer-information/cancer-type/leukemia-chronic-lymphocytic-cll/treatment/relapsed-or-refractory/?region=on

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