LEUKEMIA: THE NUMBERS

- Normal blood: 62,000 new cases
- Leukemia: 188,000 new cases

LEUKEMIA VS. LYMPHOMA
- LEUKEMIA: Cancer of the white blood cells of the immune system.
- LYMPHOMA: Cancer of the lymphoid system, often travels through the bloodstream.

RISK FACTORS
- Blood cannot clot
- Frequent nosebleeds
- Frequent infections
- Headaches
- Fatigue
- Weakness
- Night sweats
- Frequent weight loss
- Red patches or welts

TREATMENT OPTIONS
- Stem cell transplant
- Radiation therapy
- Chemotherapy
- Targeted therapy
- Immunotherapy

SOURCES
- National Cancer Institute, American Cancer Society
- Leukemia and Lymphoma Society
- American Society of Clinical Oncology

LEUKEMIA BY THE NUMBERS

<table>
<thead>
<tr>
<th>Age</th>
<th>Normal Blood</th>
<th>Leukemia</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19</td>
<td>20.8%</td>
<td>17.8%</td>
</tr>
<tr>
<td>20-34</td>
<td>10.9%</td>
<td>3.7%</td>
</tr>
<tr>
<td>35-44</td>
<td>4.7%</td>
<td>17.8%</td>
</tr>
<tr>
<td>45-54</td>
<td>9.9%</td>
<td>17.8%</td>
</tr>
<tr>
<td>55-64</td>
<td>4.5%</td>
<td>24.4%</td>
</tr>
<tr>
<td>65-74</td>
<td>3.7%</td>
<td>20.8%</td>
</tr>
<tr>
<td>75-84</td>
<td>9.9%</td>
<td>20.8%</td>
</tr>
<tr>
<td>85+</td>
<td>3.7%</td>
<td>20.8%</td>
</tr>
</tbody>
</table>

LEUKEMIA: LEUKEMIA VS. LYMPHOMA

CHRONIC VS. ACUTE
- Chronic: Slowly develops over time, usually no immediate symptoms.
- Acute: Develops rapidly, often with sudden onset of symptoms.

COMMON Types of LEUKEMIA

- Chronic lymphocytic leukemia (CLL): Most common type in the U.S.
- Acute lymphoblastic leukemia (ALL): Most common type in children.

COMMON Types of LYMPHOMA

- Non-Hodgkin lymphoma: Includes many types with varying cell types and stages.

INHERITED CANCER SYNDROMES

- Fanconi anemia
- Neurofibromatosis

IMMEDIATE FAMILY HISTORY

- 4.5%: First-degree relatives
- 1.7%: Second-degree relatives

LEUKEMIA: SYMPTOMS

- Fever
- Night sweats
- Frequent infections
- Headaches
- Fatigue
- Weakness
- Night sweats
- Frequent weight loss
- Red patches or welts

Leukemia:

- Normal Blood
- Leukemia

BONE MARROW:

- Normal blood: Normal blood cells.
- Leukemia: Bone cancer.

COMMON RISK FACTORS FOR SOME WHITE BLOOD CELLS

- Blood cancers, share a common origin—lymphocytes, or white blood cells of the immune system.
- Chronic lymphocytic leukemia (CLL) and small lymphocytic lymphoma (SLL) affect the same kind of cells—small lymphocytes.
- Some liquid cancers may be considered either leukemia or lymphoma, depending on where they originate.