

80,800 deaths in 2017



206,200

new cancer cases in 2017



SURGERY



CHEMOTHERAPY



RADIATION



IMMUNOTHERAPY

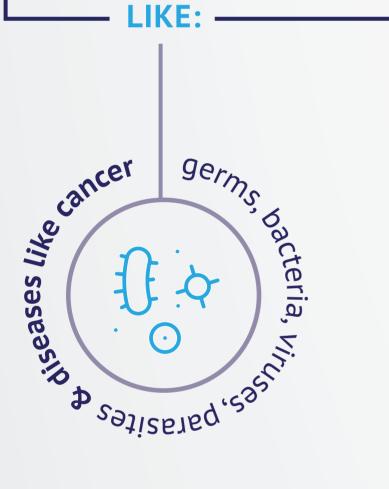
HOW WE **CAN TREAT** CANCER -

THE FACTS WHAT IS IT AND HOW DOES IT WORK?

THE IMMUNE SYSTEM.

THE HUMAN BODY'S NATURAL **DEFENSE SYSTEM**





IT PROTECTS AGAINST HARMFUL INVADERS...



Finding & destroying

abnormal cells

DEFENDER CELLS



When germs are present, a small fraction of defender cells will recognize them.



These cells multiply, creating an army to fight the infection.



Special types of these cells 'remember' the invader creating an immunity to a second attack (how vaccines work).

DID YOU KNOW... cancer cells are quite common



When normal cells become cancer cells, an immune response activates **T, B & NK cells** (defender cells) to eliminate the cancer.



Some cancer cells can change, disguising themselves as normal cells to elude attack. This allows them to grow and spread, and is why some cancers stop responding to treatments.

IMMUNO-ONCOLOGY →

A type of immunotherapy treatment that uses the human body's own immune system to fight the cancer.



slows or stops the growth of cancer cells



helps the immune system to better destroy cancer cells



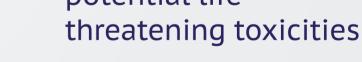
stops cancer from spreading

WHY IMMUNOTHERAPY?





- highly specific
- fewer side effects
- powerful results
- more expensive
- more work needed potential life





IMMUNOTHERAPIES WILL BE THE BACKBONE OF CANCER TREATMENTS IN 60% OF CANCER TYPES²



TARGETS

The immune system is

activated to fight the cancer



ATTACKS

on a systemic level

It recognizes & attacks



REMEMBERS

It remembers the cancer cells resulting in longer remission



VERSATILE

types of cancers

It is used to treat several



INHIBITORS

IMMUNE CHECKPOINT



CELL THERAPY (CAR-T)



VACCINES



VIRUS THERAPY



MONOCLONAL ANTIBODIES

These therapies do not work for everyone and ongoing research is trying to understand what makes a patient respond to the treatment.