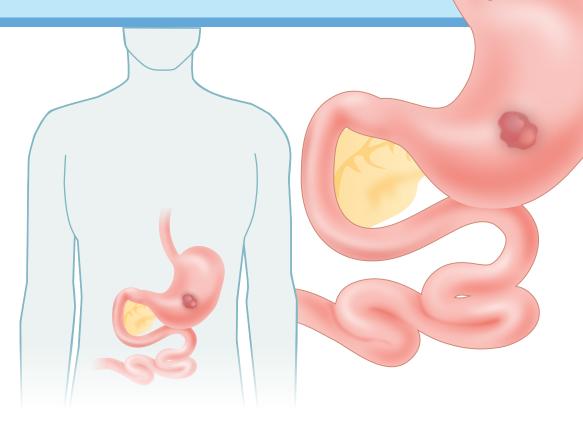
# Stomach Cancer

**Section 1: Introduction** 







This booklet was developed by Dr. Carmen Mueller, Dr. Joanne Alfieri, and Dr. Marie VanHuyse, as well as Brittnee Zwicker, Mary Diovisalvi and Sarah-Eve Loiselle.

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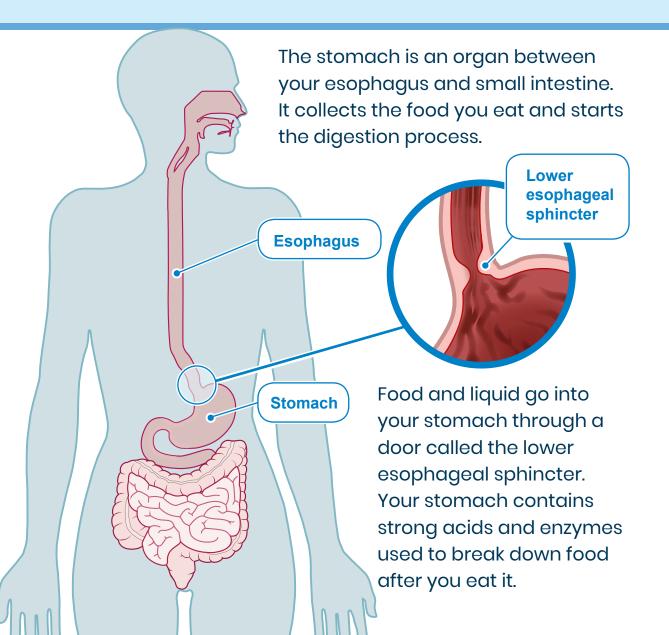


#### **Table of Contents**

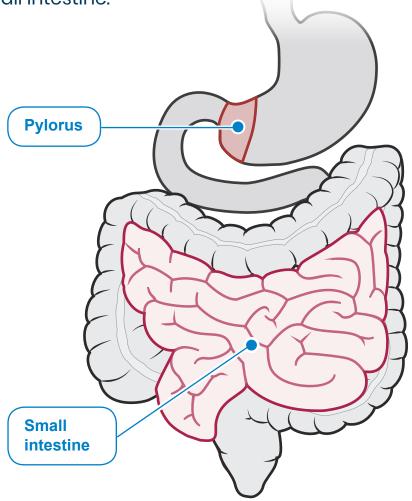
#### Introduction

What is the stomach?	4
What is stomach (gastric) cancer?	6
What causes stomach cancer?	8
What types of stomach cancer are there?	10
Where can stomach cancer occur?	12
How does cancer spread?	14
What is cancer staging?	16
Notes and Questions	20

# What is the stomach?



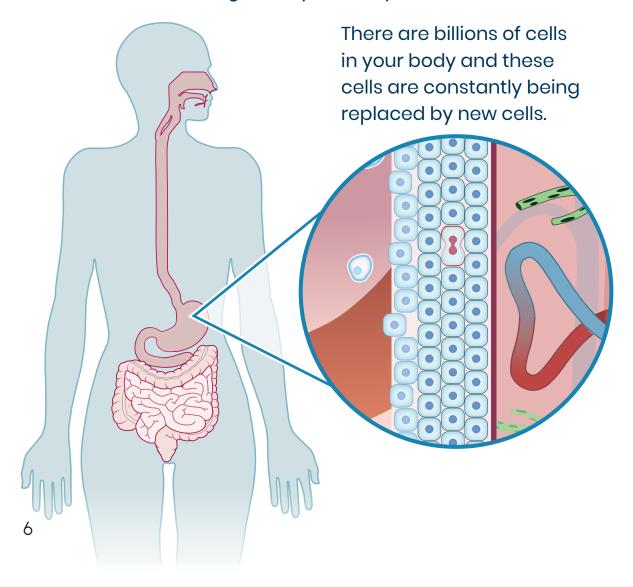
The stomach contracts to help mix food with stomach acid to break it down. The digested food then leaves the stomach through a valve called the pylorus to enter the small intestine.



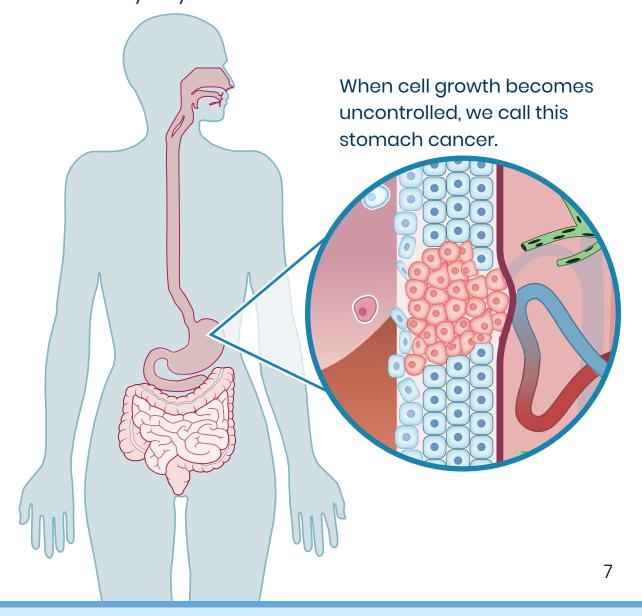
The small intestine helps digest food even more using bile and pancreatic juices. Eventually the digested food is absorbed in the small intestine and the waste is expelled through the colon.

# What is stomach (gastric) cancer?

To better understand stomach cancer, you first need to understand how cells grow in your body.



Your stomach is lined with several layers of cells. These cells are constantly dividing and forming new cells. The new cells push away the older cells, which are washed away. The growth and repair of these cells occurs in a controlled and orderly way.



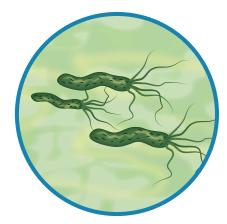
# What causes stomach cancer?

Many times stomach cancer happens randomly with no known cause. Stomach cancer is rare, but more common in patients over the age of 50 and in men. Nobody knows why men are more likely to get stomach cancer than women.

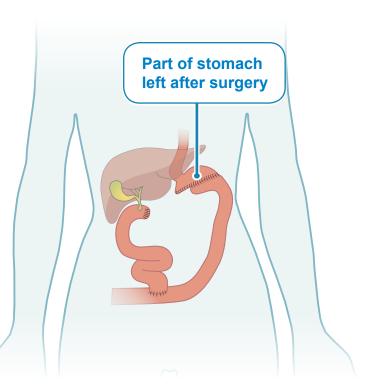


A common bacteria called H. pylori lives in the stomach. H. pylori often causes few if any symptoms.

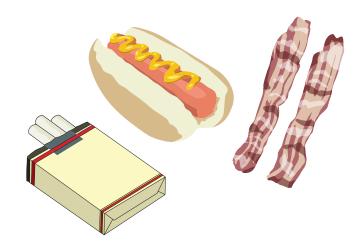
People with stomach cancer are more likely to have H. pylori infections, but still most people with H. pylori never develop stomach cancer.



Previous surgery to remove part of the stomach (such as for ulcers) can lead to cancer in the part of the stomach left behind. This may be because of changes in stomach acid or because of bile refluxing into the stomach. These cancers usually take many, many years to develop.



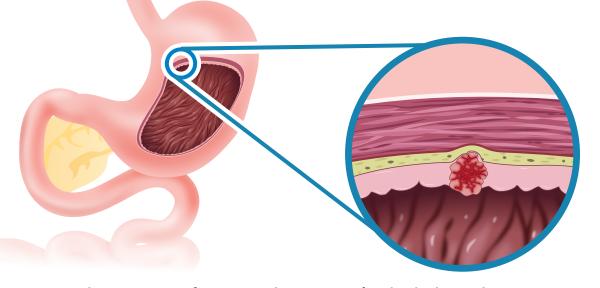
Certain lifestyle factors have been associated with stomach cancer. Eating preserved meats and other foods high in nitrites, smoking, and being overweight are risks for developing stomach cancer.



Some stomach cancers run in families and are genetic. These often develop at very young ages.

## What types of stomach cancer are there?

By far the most common type of stomach cancer is called **adenocarcinoma**. It develops from the cells lining the inside of the stomach.



Other types of stomach cancer include lymphoma, gastrointestinal stromal tumour, and carcinoid tumours. These are all very rare.

Different types of stomach cancer are treated in different ways. This is because they grow from different types of cells.

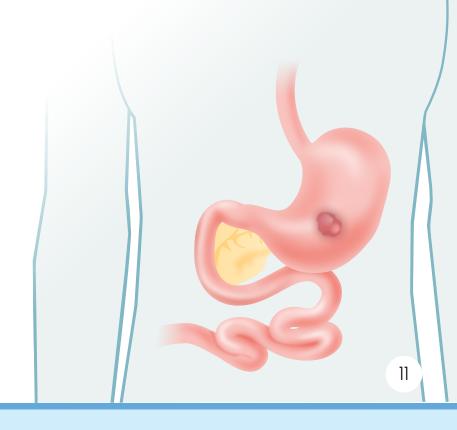
This booklet will focus on treatments for the most common type of stomach cancer (adenocarcinoma).

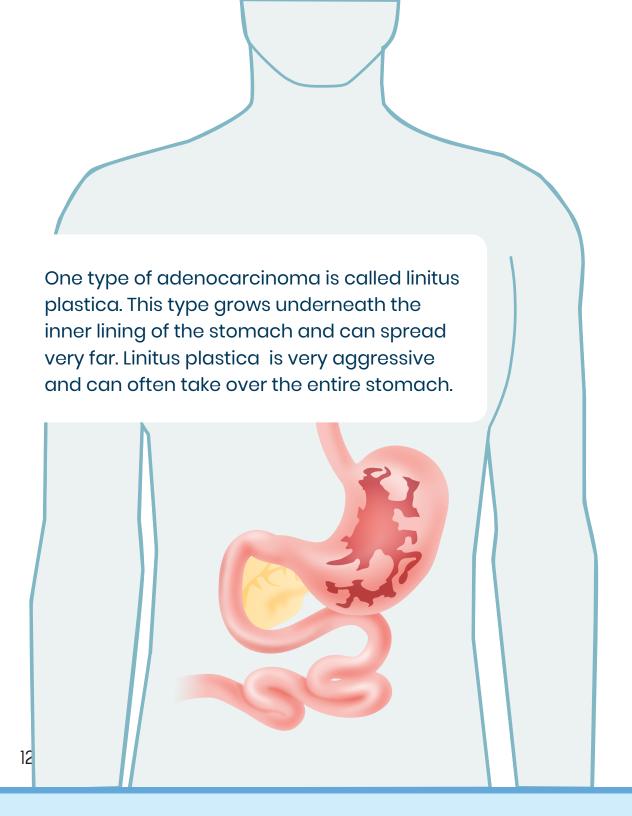
## Where can stomach cancer occur?

Stomach cancer can occur in all parts of the stomach. In North America, cancer in the upper stomach is becoming the most common location for cancer to occur.

Stomach cancer usually starts off very small.

Over time, the cancer can grow into a large mass.

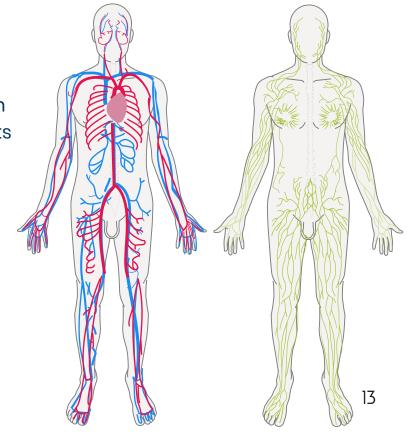


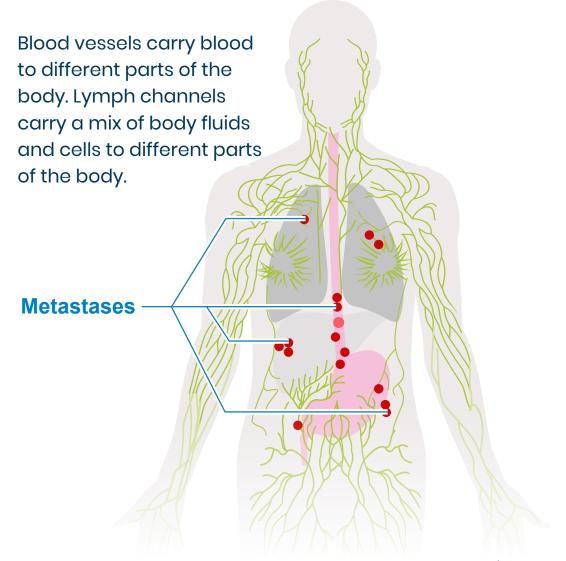


#### How does cancer spread?

Cancer cells can access blood vessels and lymphatic channels within the walls of the stomach and spread to other organs.

The cancer cells can spread to other parts of the body through networks of tubes such as lymph channels and blood vessels.





When cancer cells use these channels to move to distant places, they can settle and continue to grow.

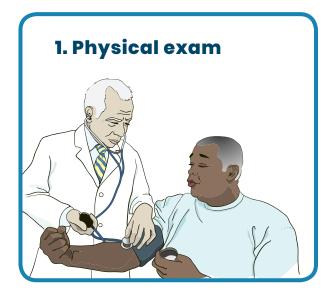
These new growths, called metastases, are the same stomach cancer growing in another part of your body.

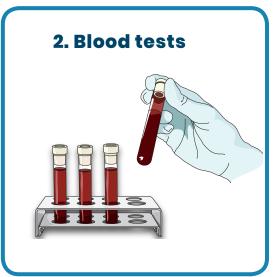
For stomach cancer, this happens most often in the lymph nodes, liver, and lining of the abdomen.

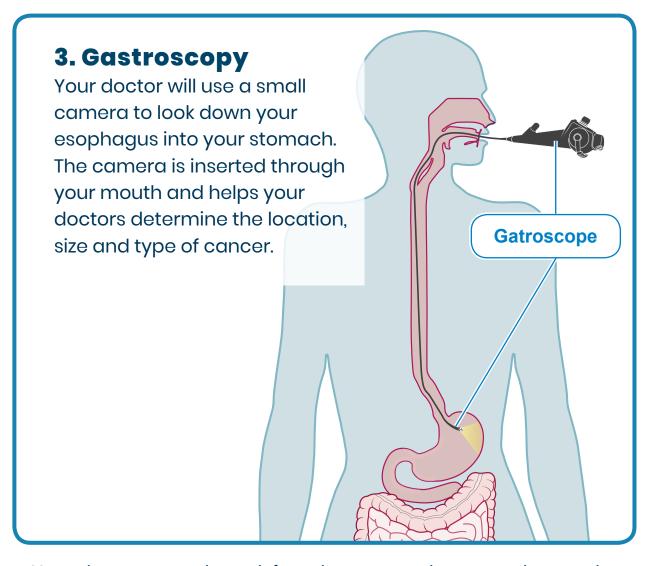
#### What is cancer staging?

Your doctor may talk to you about cancer staging.
Staging describes how advanced, or far along, the cancer cells have grown. Knowing the stage of cancer helps your doctors plan your care.

### Several methods may be used to help stage gastric cancer, such as:

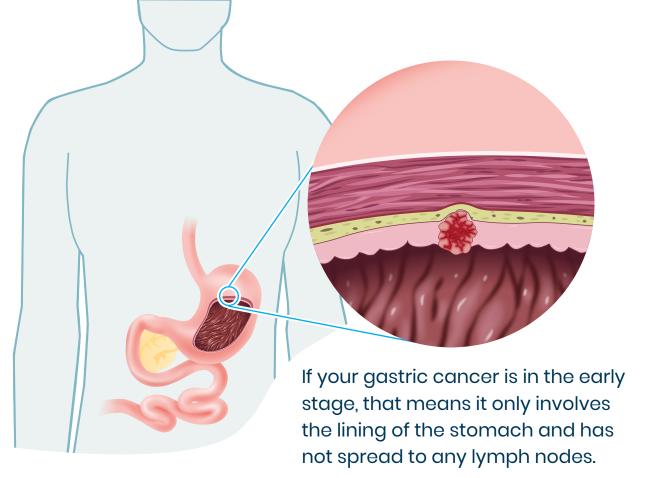






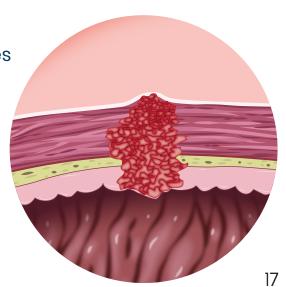
Your doctor may also ask for other tests to better understand your cancer and see if it has spread. You may need a CT scan, PET scan, ultrasound or other x-rays.

The tests help to tell how advanced the cancer has become and guides the choice of treatment.

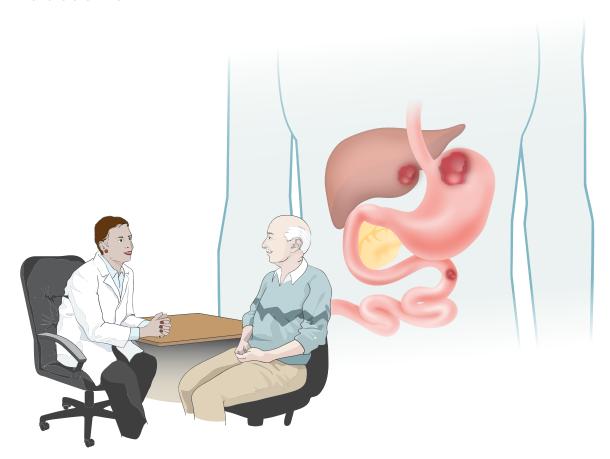


If your cancer is locally advanced, that means it involves most or all of the layers of the stomach and/or has spread to the lymph nodes nearby.

When the cancer grows very deep, it may invade other organs around the stomach, including the spleen, liver, pancreas or colon.



If your cancer is in the advanced stage, that means it has spread to other parts of the body, usually the liver or lining of the abdomen.



Cancer staging is an important part of making a prognosis, or predicting what will happen with your cancer in the future. Different treatments are chosen for different stages. Your doctor will speak to you about what this means in your case.

### **Notes and Questions**