

# MESOTHELIOMA

WHAT YOU NEED TO KNOW

Mesothelioma (pronounced 'me-zoe-thee-lee-o-muh') is a type of cancer that affects the tissue layer mesothelium, which is the lining of certain internal organs in the human body. While cases of mesothelioma are quite rare, the disease has no known cure.

**DIFFERENT TYPES OF** MESOTHELIOMA CANCER<sup>1</sup>

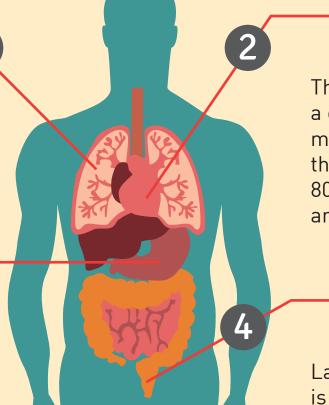
**MESOTHELIOMA CANCER HAS FOUR PRIMARY TYPES:** 

## **PERICARDIAL MESOTHELIOMA**

This particular type of mesothelioma affects various internal organs in the abdominal area, including the liver, spleen, and gallbladder.

## **PERICARDIA MESOTHELIOMA**

Accounting to less than 1% of mesothelioma cases, pericardial mesothelioma is one of the rarest form of the disease. It affects the lining within the heart cavity, causing severe chest pain and breathlessness.



## **PLEURAL MESOTHELIOMA**

The most common form a of mesothelioma, pleural mesothelioma develops in the lining of the lungs. About 80% of mesothelioma cases are classified as pleural.

## TESTICULAR **MESOTHELIOMA**

Lastly, testicular mesothelioma is another extremely rare form of mesothelioma, with less than 100 cases recorded across the globe. As the name suggests, it develops around the testicular area in men.

## WHAT CAUSES

MESOTHELIOMA?2,3,4,5,6



The leading cause of mesothelioma is the inhalation of asbestos, which consists of six naturally-occurring fibrous minerals:



## Used in the past for thousands of

**CROCIDOLITE** 

**CHRYSOTILE** 

home products, including asbestos cement, roof coatings, and gaskets.

## energies, it is used in materials that provide acoustic

**AMOSITE** 

insulation and condensation reduction. Products include slabs, insulation boards, and pipes. **ACTINOLITE** 

Due to its absorptive properties with liquids and wave

Known as more carcinogenic than other types of asbestos, crocidolite is the fibrous form of riebeckite or magnesioriebeckite. It is used in cement and pressure piping products.

While found as a contaminant in certain asbestos products, actinolite is also widely used in schools, homes, and other types of infrastructures. Due to their properties, they are utilized for structural fireproofing, concrete aggregates, thermal insulation, and so on.

### TREMOLITE Although traces of tremolite are

sometimes found in sealants, paints, and roofing materials, it's one of the types of asbestos that have no commercial use.

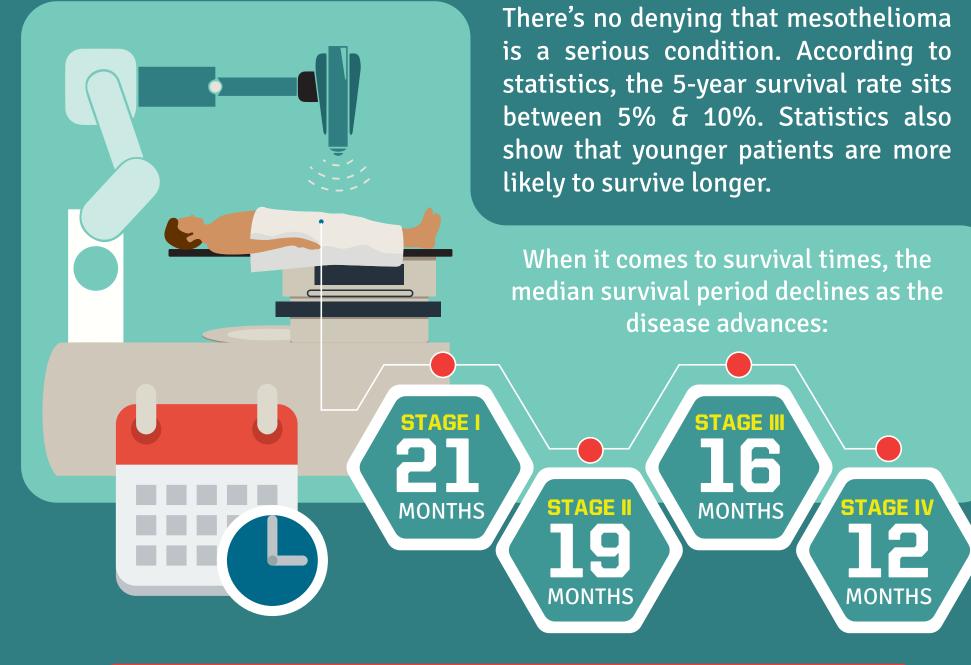
## with no commercial use. Still, it is occasionally found

**ANTHOPHYLLITE** 

as a contaminant, usually in composite flooring.

Lastly, anthophyllite is another type of asbestos

## DEATH RATE?



### Mesothelioma cancer is a real threat, especially to tradesmen such as plumbers, construction workers, and electricians. Since it is primarily caused by asbestos inhalation, most patients are covered by

ABOUT MESOTHELIOMA

TRUST FUNDS<sup>8, 9</sup>

over 58 companies in the United States. Today, more than \$30 BILLION are put aside to compensate employees as well as their families.

asbestos trust funds, which are offered by

UNFORTUNATELY, MESOTHELIOMA RESEARCH IS WAY BEHIND OTHER FORMS OF CANCERS -- MAINLY DUE TO THE RARITY OF THE DISEASE. **HERE ARE SOME FACTS:** 

**MESOTHELIOMA** TRUST FUNDS From 2004-2007, only

### Institute) \$6.4 BILLION funding stream was budget were allocated for provided through mesothelioma cancer. the Congressionally

of Defense.

In 2012, a

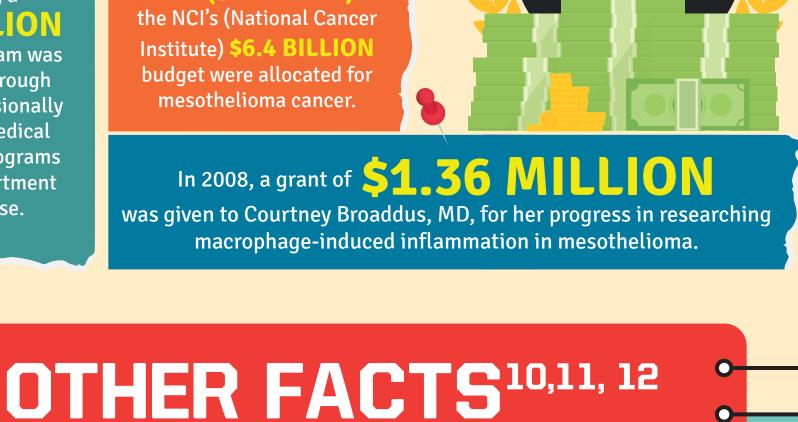
**Directed Medical** 

**Research Programs** 

of the Department

0.1% (\$6 MILLION)of

the NCI's (National Cancer



NGER ASBESTOS DANGER



After exposure to asbestos, the time it takes before a proper mesothelioma diagnosis can be made is between **20** & **50** years.

Out of all patients diagnosed with mesothelioma cancer, around **70-80%** were exposed to

asbestos.

patients inherited the disease -- typically due to the mutation in the gene: BAP1.

0/n of mesothelioma

From 1999-2015, malignant mesothelioma reportedly claimed a total of 45,221 victims.

## **SOURCES:**

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