

EMPHYSEMA

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What is Emphysema?

- Emphysema is a lung disease characterized by gradual damage of lung tissue, specifically destruction of the alveoli or air sacs and reduced airflow
- It is usually accompanied by chronic bronchitis

Risk Factors

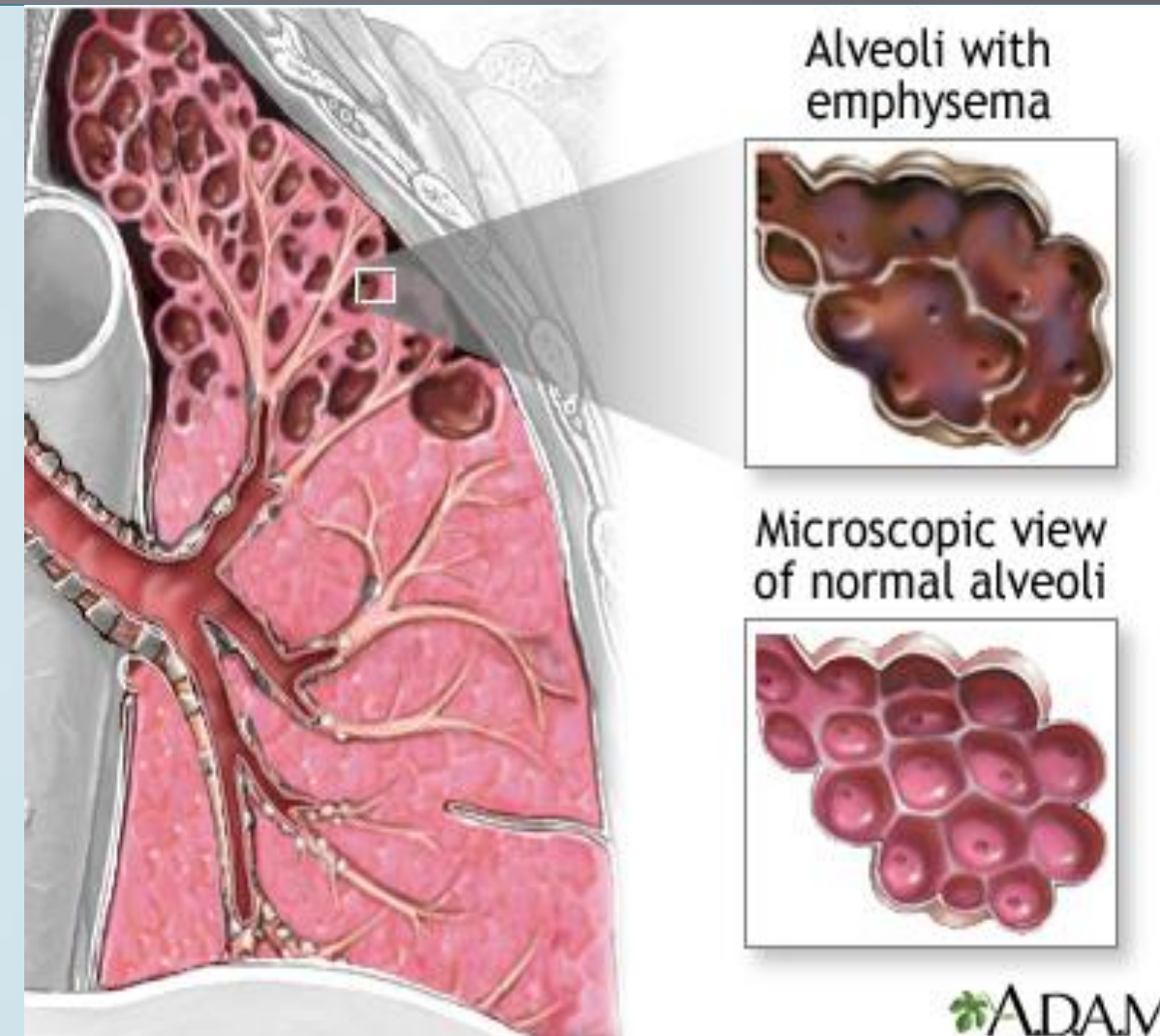
- Cigarette smoking
- Second hand smoke
- Alpha -1 Antitrypsin Deficiency
- Occupational exposure to fumes or dust

References:

CDC (2016). National Center for Health Statistics. Retrieved from: <http://www.cdc.gov/nchs/fastats/copd.htm>

American Lung Association (2016). *Emphysema Key Facts*. Retrieved from: <http://www.lung.org/lung-health-and-diseases/lung-disease-lookup/emphysema/?referrer=https://www.google.com/>

Chaudhry, S., Dua, B., Wong, E. (2016). *Chronic Obstructive Pulmonary Disease (COPD)*. Retrieved from: <http://www.pathophys.org/copd/>



Signs and Symptoms

- Hypoxemia
- Hypercarbia
- Dyspnea (difficulty breathing)
- Chronic cough
- Edema

Complications

- Respiratory Failure
- Pneumothorax
- Pneumonia
- Heart Failure

Treatments

- Bronchodilators
- Corticosteroids
- Oxygen Therapy
- Pulmonary Rehab

Statistics in the USA

- In 2014, 3.4 million adults were diagnosed
- 7,455 deaths

