

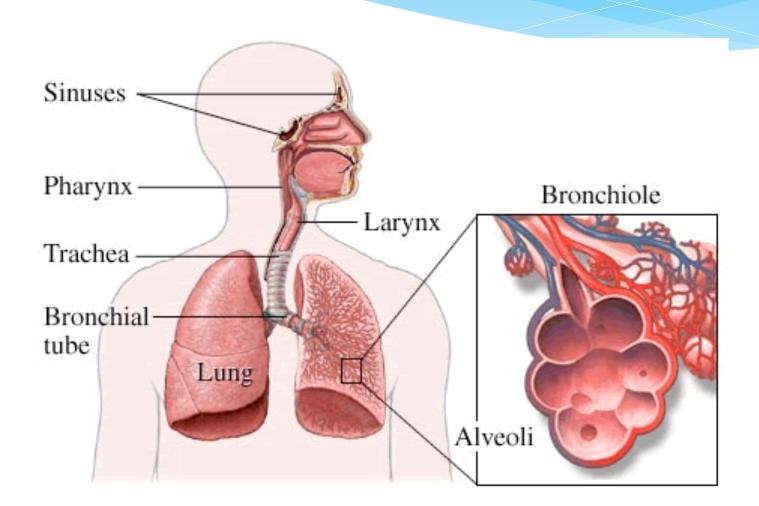
Overview

- * Anatomy and physiology of the Respiratory System
- * Pathology
 - * Infection: (viral vs bacterial)
 - * Pharyngitis/Laryngitis
 - * Bronchitis
 - * Pneumonia
 - * Asthma
 - * Chronic Obstructive Pulmonary Disease (COPD)
 - * Lung Cancer

Review Definitions

- * Anatomy: a study of the **structure** or internal workings of living organisms
- * Physiology: the way in which a living organism or bodily part functions.
- * Pathology: the typical behavior (causes and effects) of a **disease**.

Anatomy of the Respiratory System



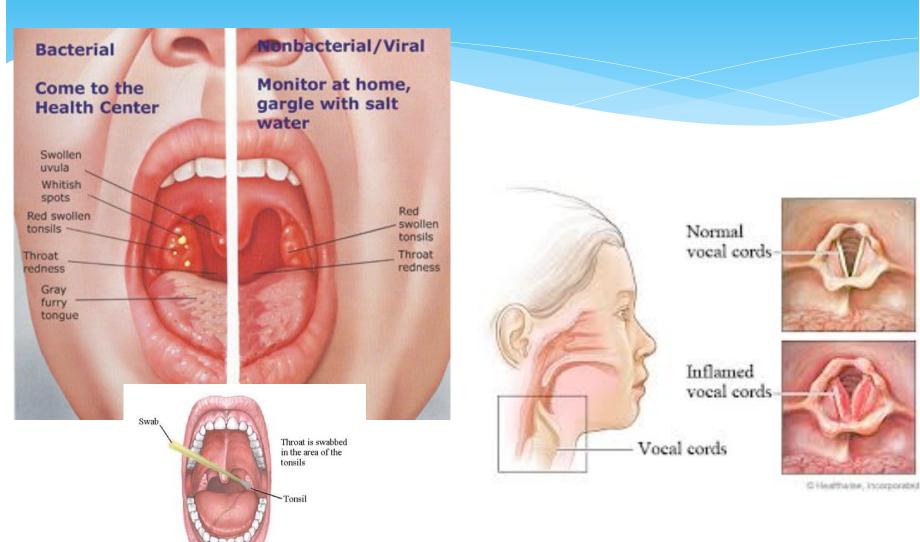
Physiology of the Respiratory System



Infection: Pharyngitis/Laryngitis

- * Pharyngitis-
 - * sore throat, no coughing, painful to swallow, voice is ok
 - * 15-30% bacterial in kids, 5-15% bacterial in adults (Group A streptococcus)
 - * 70-85% of the time viral in kids
 - * 85-95% of the time viral in adults
- * Laryngitis-
 - * sore throat, lose your voice
 - * Croup in babies
 - * Almost always viral (or strain)

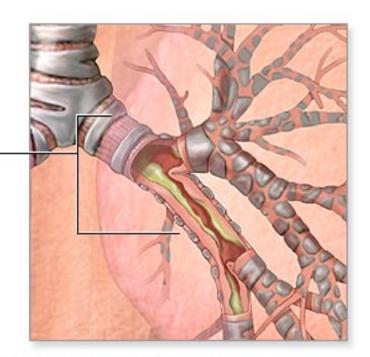
Infection: Pharyngitis/Laryngitis



Infection: Bronchitis

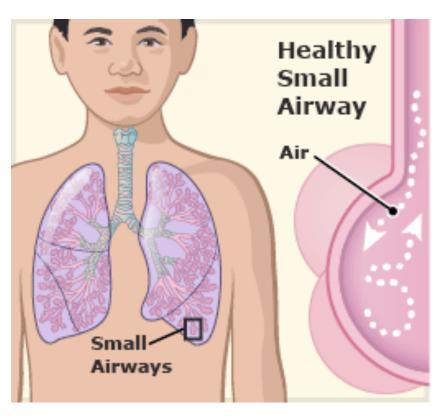


Inflamed primary and secondary bronchi



- Acute bronchitis usually results from an infection such as a cold or flu

- * 95% viral cause
- * Antibiotics should not be perscribed



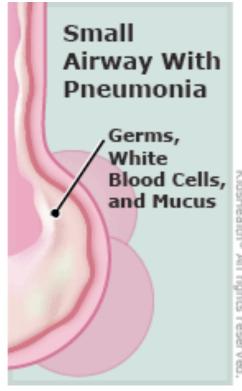
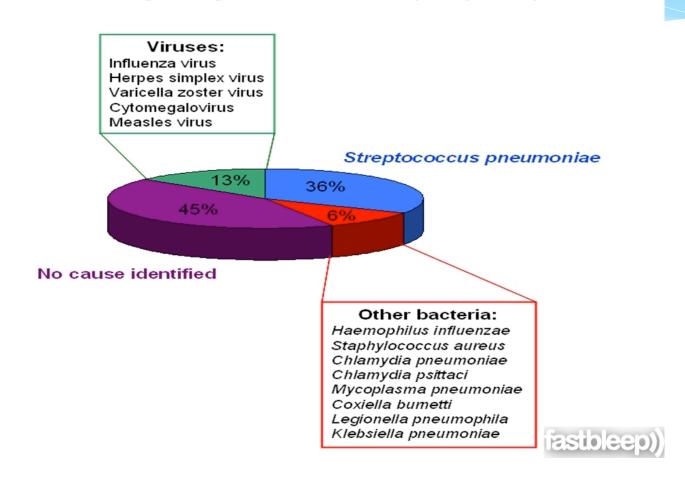


Figure 2: Aetiological agents of community acquired pneumonia.



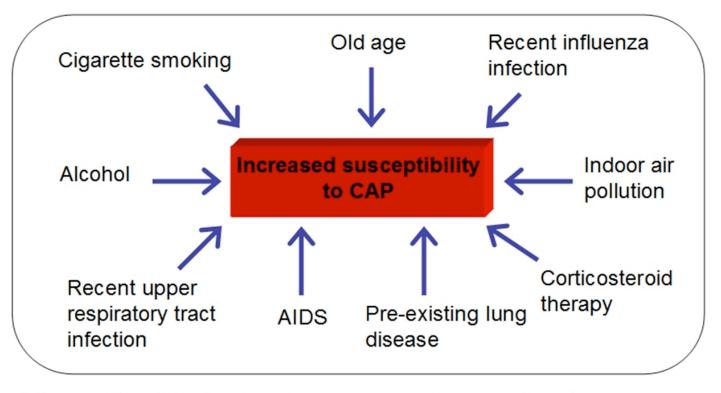
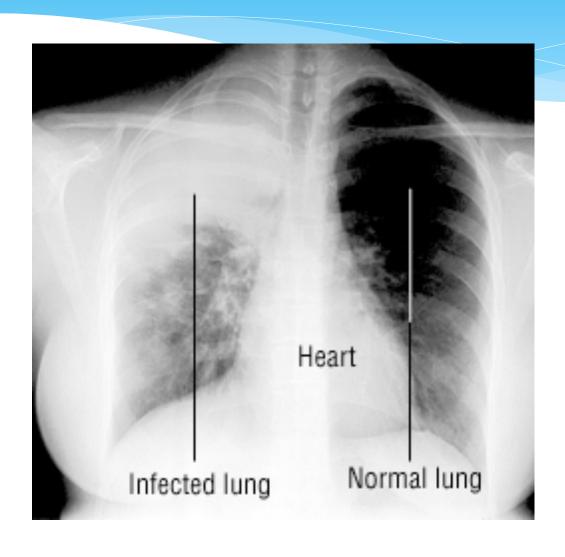
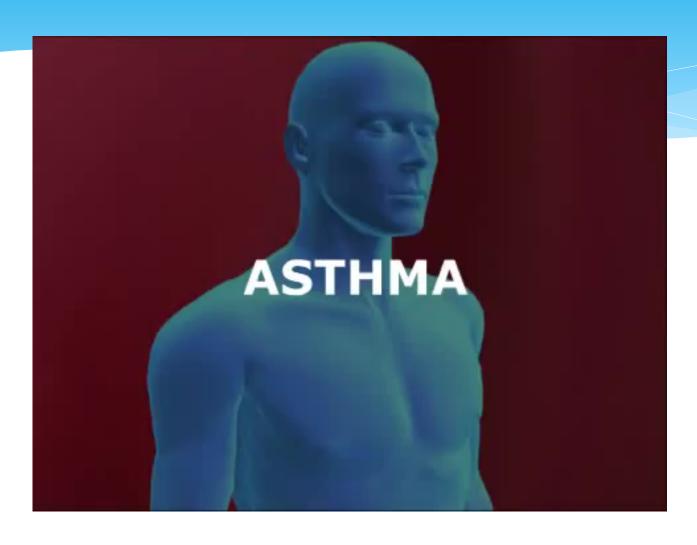


Figure 3: Risk factors for community acquired pn ខ្លង់ខ្លាំ ខ្លង់



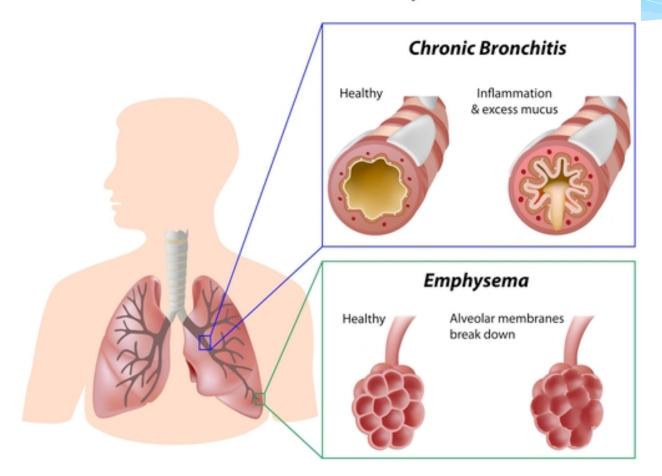
Asthma



Chronic Obstructive Pulmonary Disease (COPD)

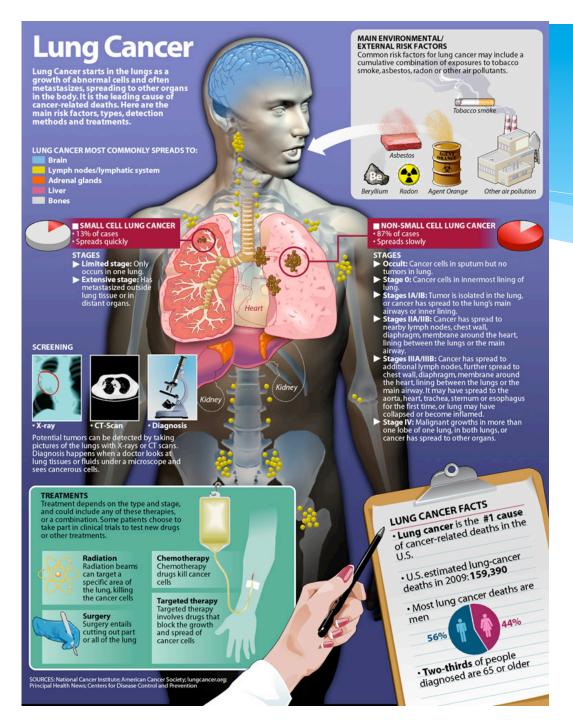
(also called Chronic Bronchitis and Emphysema)

Chronic Obstructive Pulmonary Disease (COPD)



COPD





Lung Cancer

Lung Cancer

