

Pneumonia Overveiw



Pneumonia is an infection that inflames the air sacs in one or both lungs, leading to symptoms like cough with phlegm or pus, fever, chills, and difficulty breathing. It can be caused by various organisms, including bacteria, viruses, and fungi, and its severity ranges from mild to life-threatening. Infants, young children, the elderly, and individuals with weakened immune systems are particularly at risk.

Diagnosis often involves chest X-rays, blood tests, and sputum cultures. Pneumonia is classified based on its acquisition, such as community-acquired or hospital-acquired. Prompt medical attention is crucial for effective treatment and recovery.

The Pneumonia Detection app, built with Python and Streamlit, allows users to upload chest X-ray images for quick pneumonia analysis. It offers a simple interface for fast, accessible detection, supporting early diagnosis in healthcare settings.