

## What is Heart Failure?

Heart failure is a *Persistent and progressive* problem in which the heart muscle is incapable of pumping enough blood required for the body. It is a foremost reason for people admitted to the hospital especially having 65 years of age and above.

# **Types of Heart Failure**

#### Reduced Ejection Fraction (HFrEF)

- HFrEF refers to 'systolic heart failure' which happens when the heart is unable to pump/sqeeze enough blood out to the body.
- The borderline for Reduced Ejection Fraction is less than 40% (lower than normal).

#### Preserved Ejection Fraction (HFpEF)

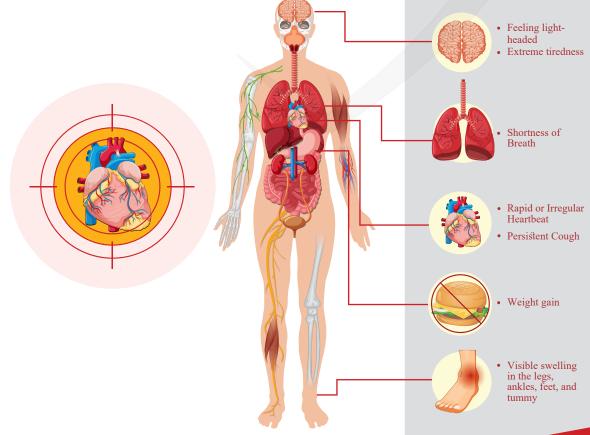
• HFpEF is a 'diastolic heart failure' characeterized by condition in which heart is unable to fill with the enough blood.

Ejection Fraction is a measurement (expressed in %age) of the heart pumping out blood with each contraction/beat



Over 6 million Americans have heart failure.

### **Symptoms of Heart Failure**





# **Common Causes**



**Coronary Artery** 

Disease



Diabetes

Heart Attack





High Blood Pressure

Irregular Heartbeat

## **Other Related Causes**

- Heart Valve diseases
- Congenital Heart Diseases
- Heart Inflammation
- Obesity
- Certain Cancer treatments



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