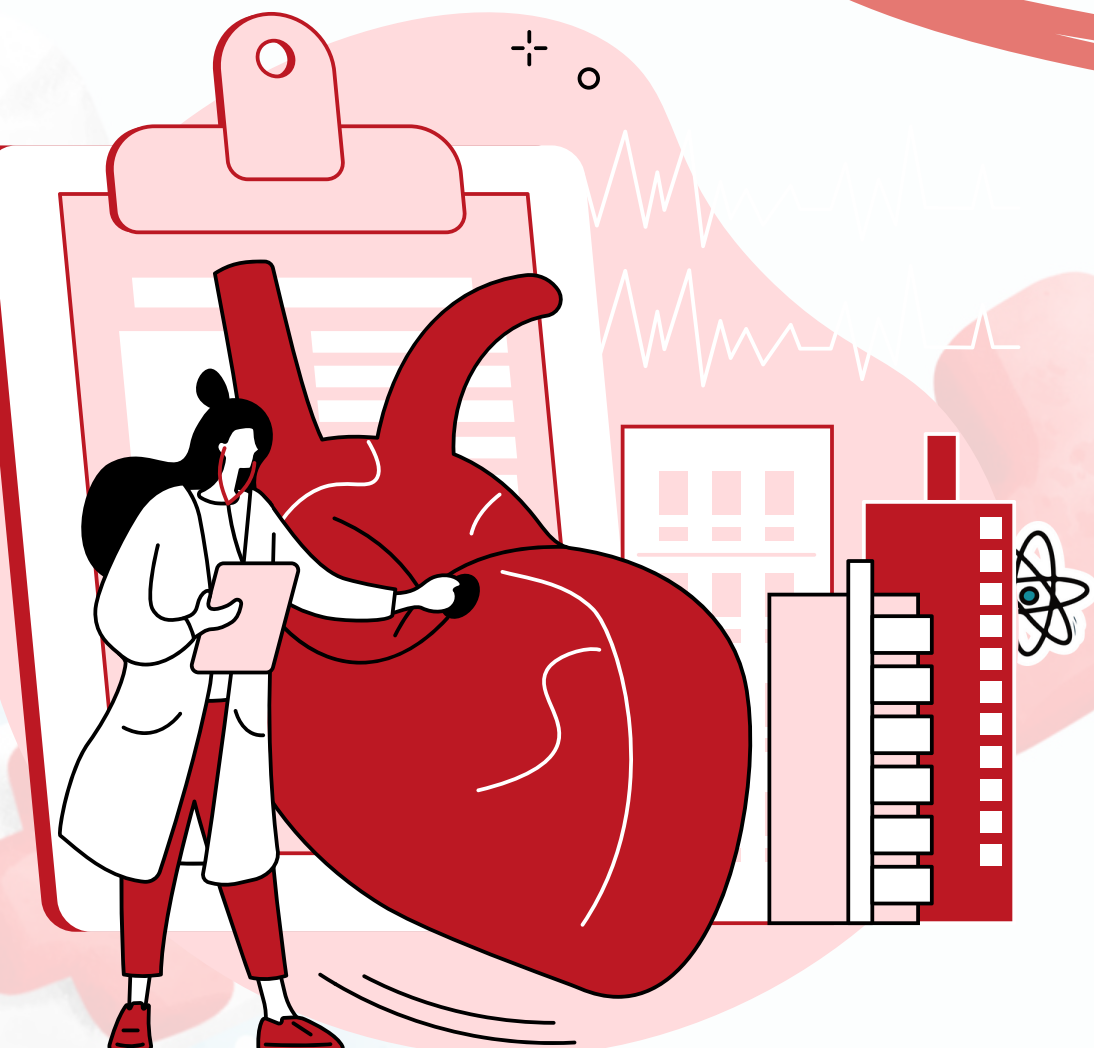


Heart Attack Prediction

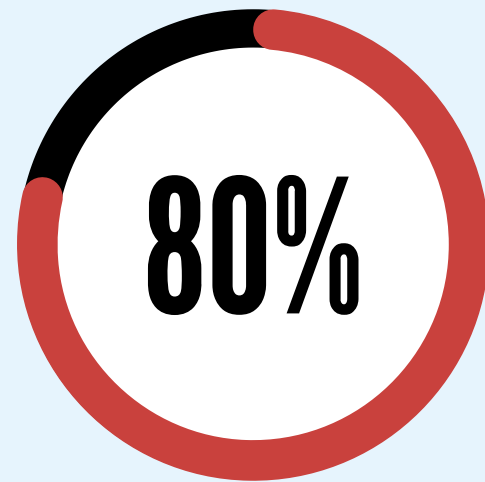


Impact of Cardiovascular Diseases

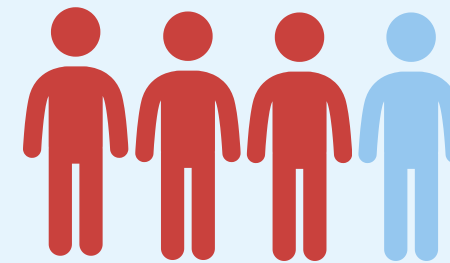


1°

Leading cause of death worldwide



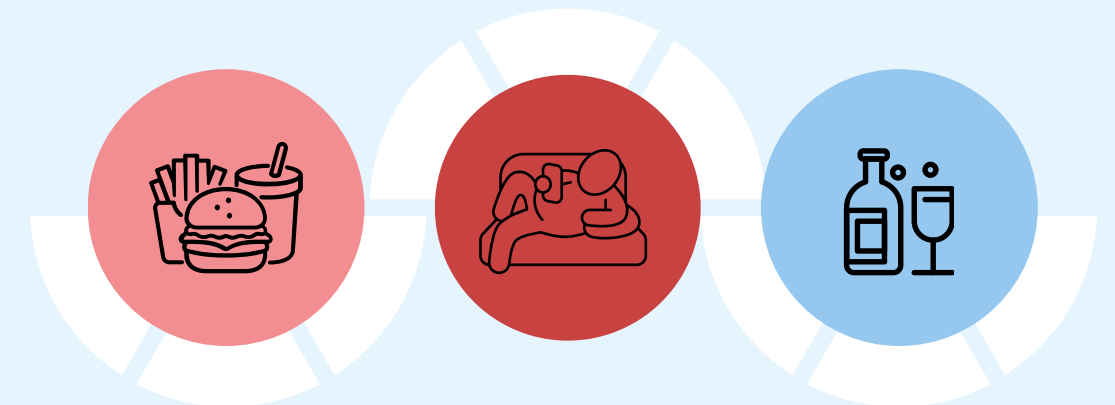
of deaths are caused by heart attacks and strokes.



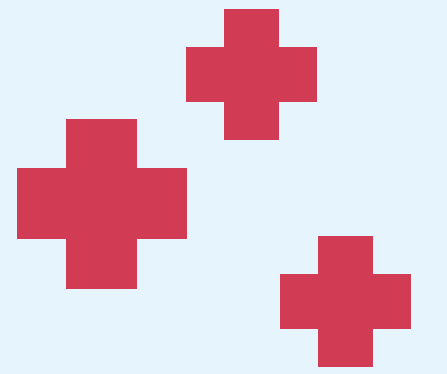
$\frac{3}{4}$

deaths happen in countries with low to middle income levels.

Risk factors:

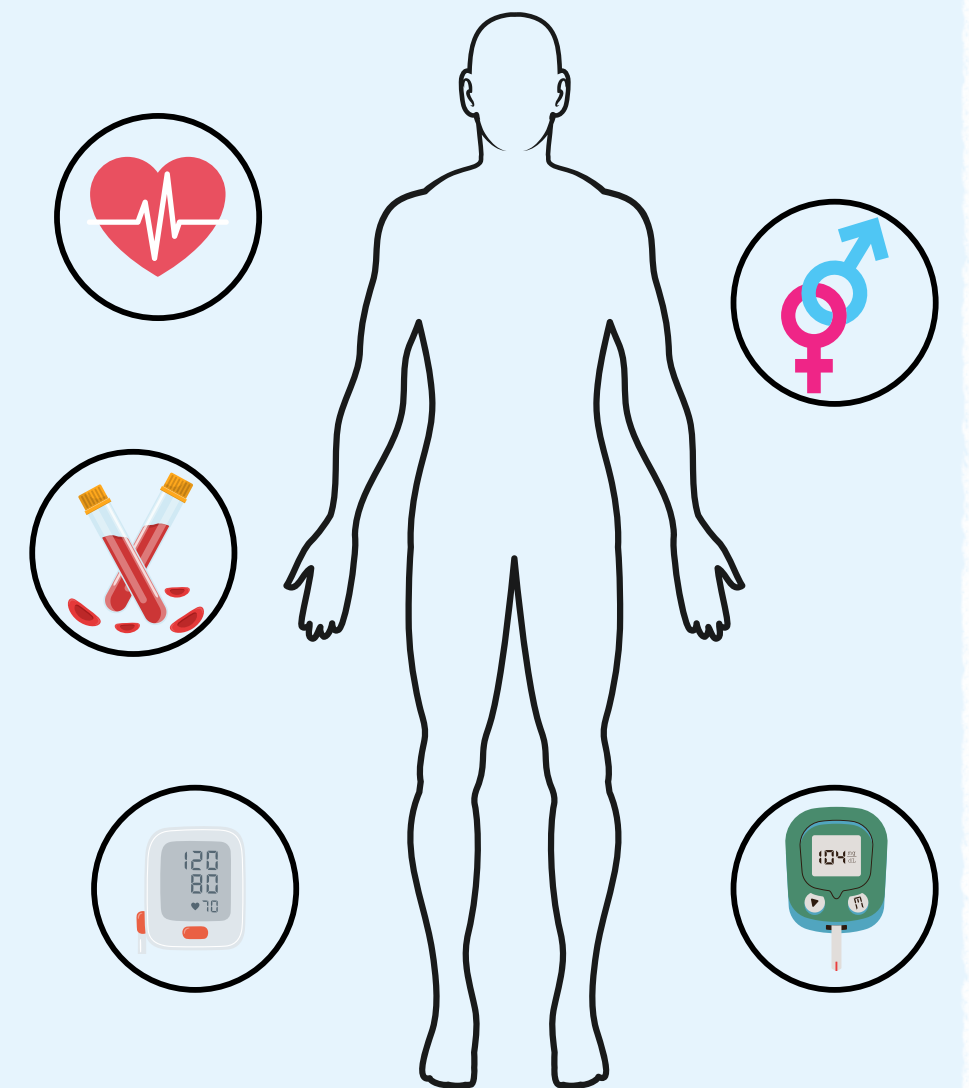


Dataset

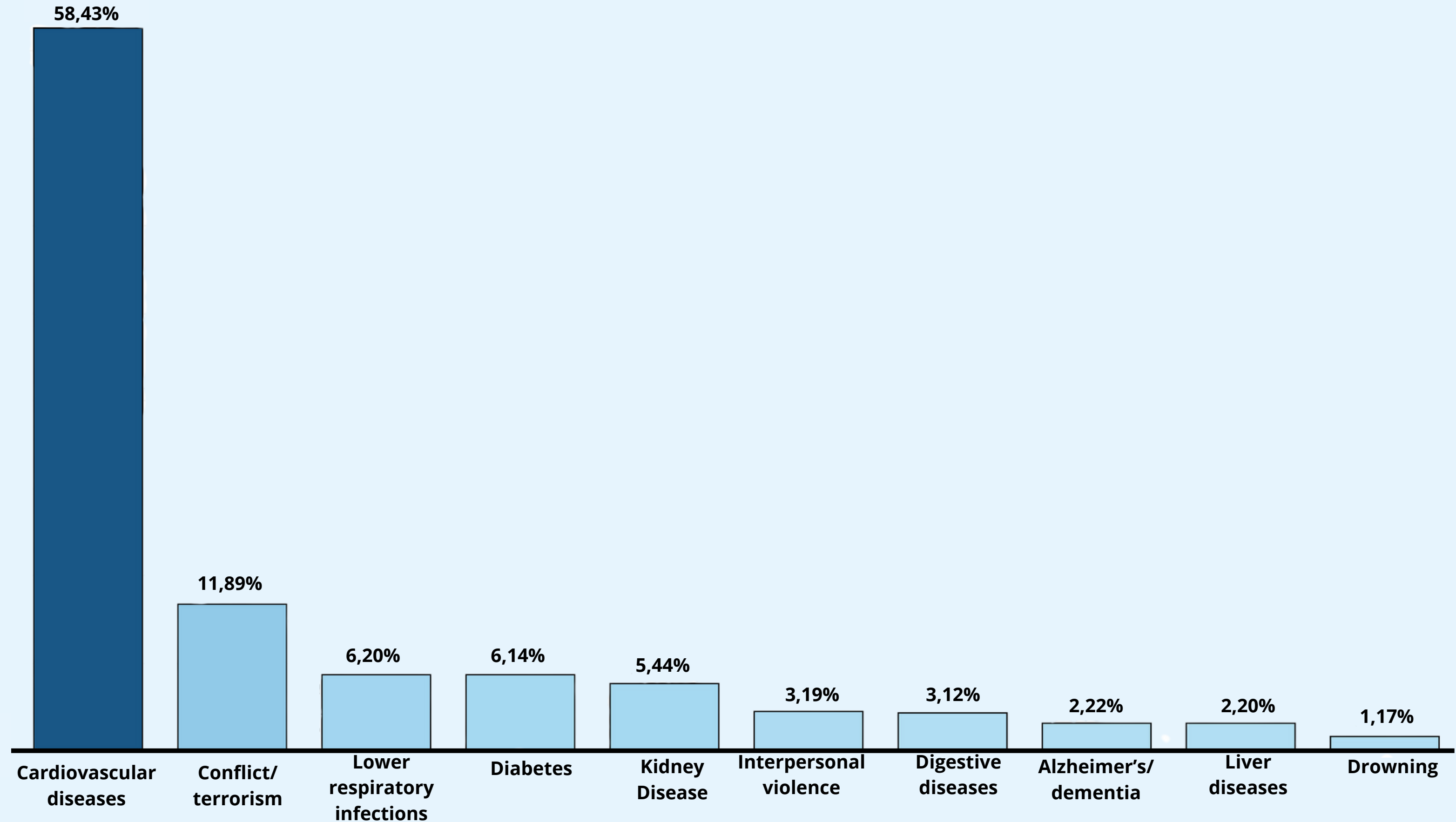


- The heart attack datasets belong at Zheen hospital in Erbil, Iraq
- January 2019 - May 2019.
- The attributes of this dataset are:

- | | |
|---------------------------|----------------------------|
| - Age | - Diastolic blood pressure |
| - Gender | - Blood sugar |
| - Heart Rate | - Ck-mb |
| - Systolic blood pressure | - Troponin |
| | - Result |



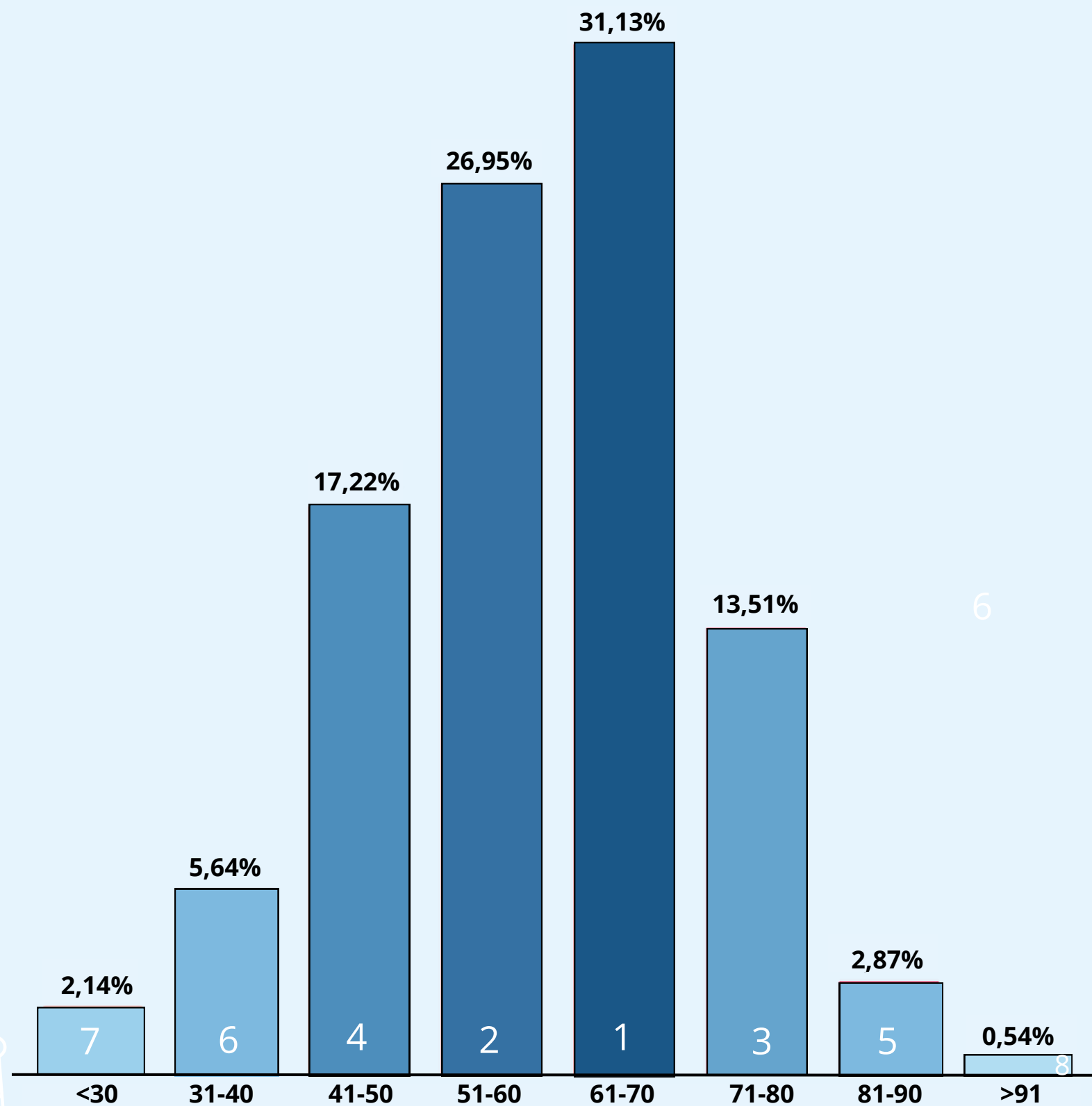
Causes of death in the last 32 years (Iraq)



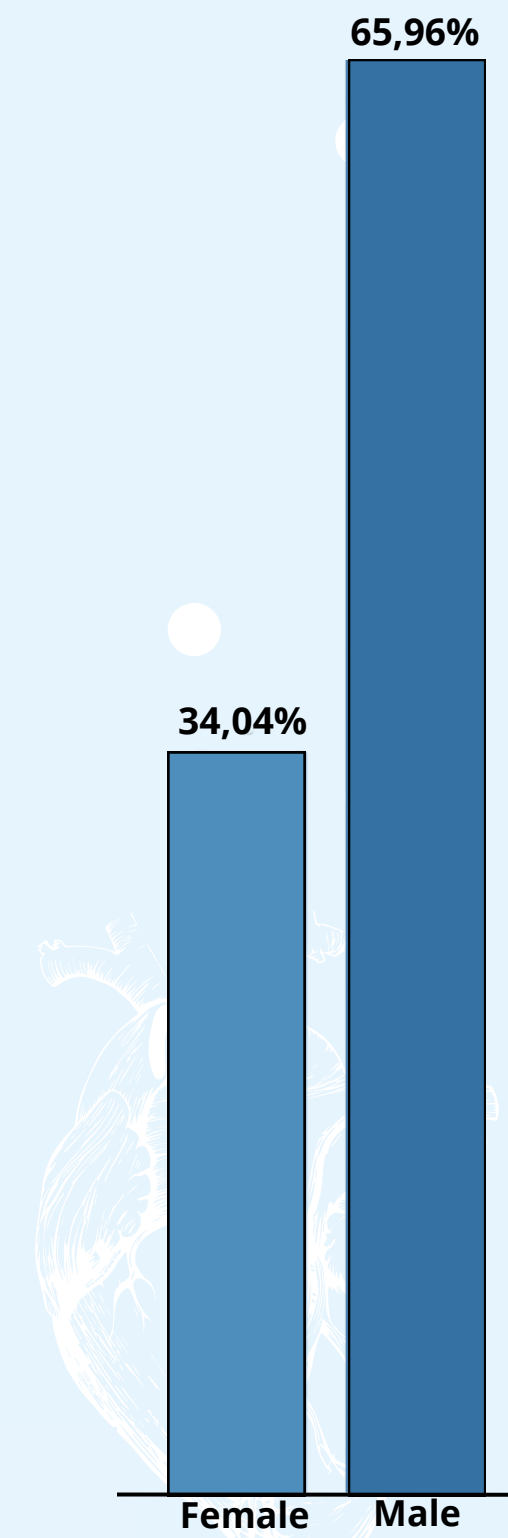


Demographic profile:

Age group



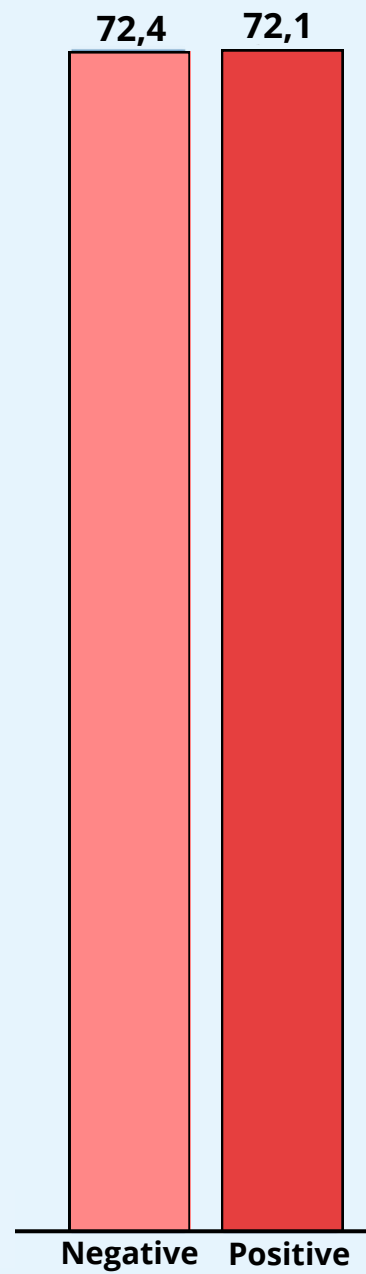
Gender



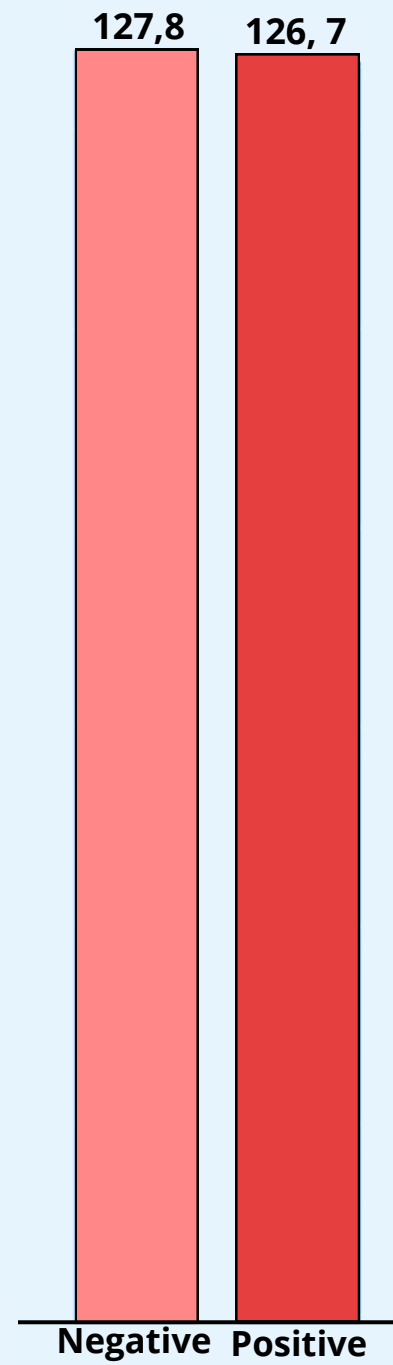


Patients' Cardiovascular Metrics

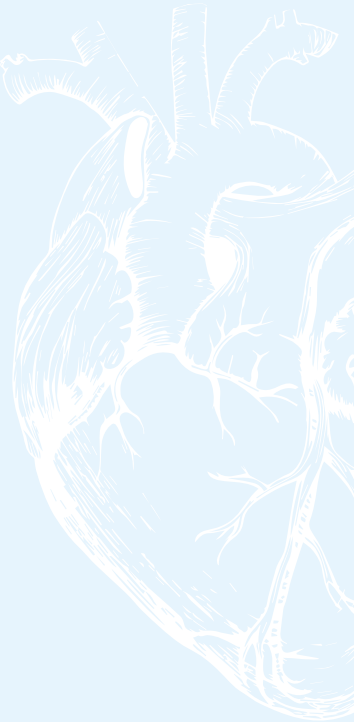
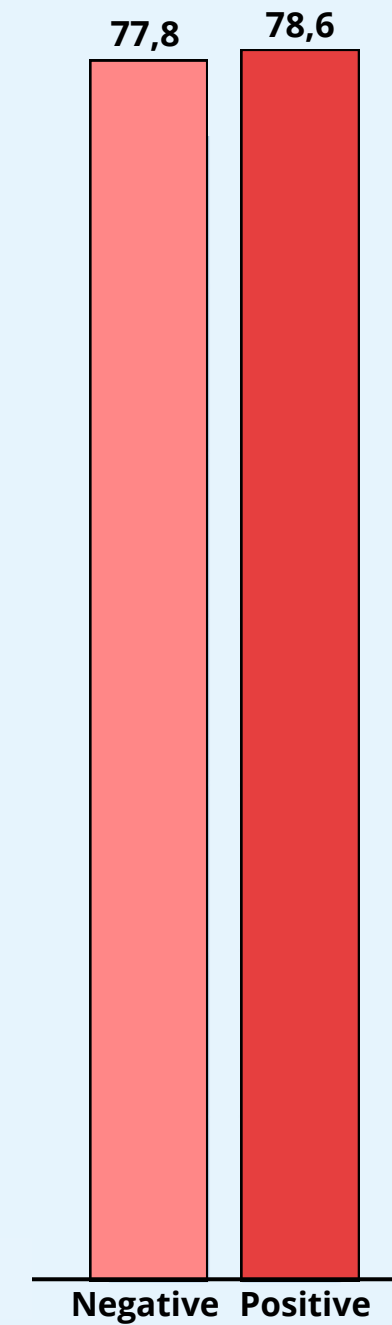
Diastolic blood pressure



Systolic blood pressure

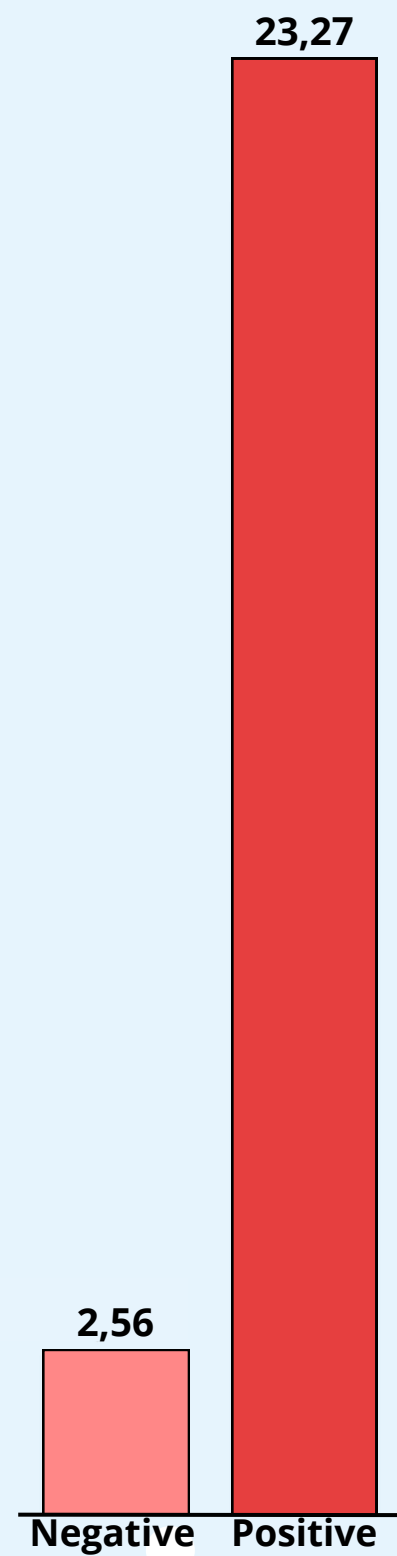


Heart rate

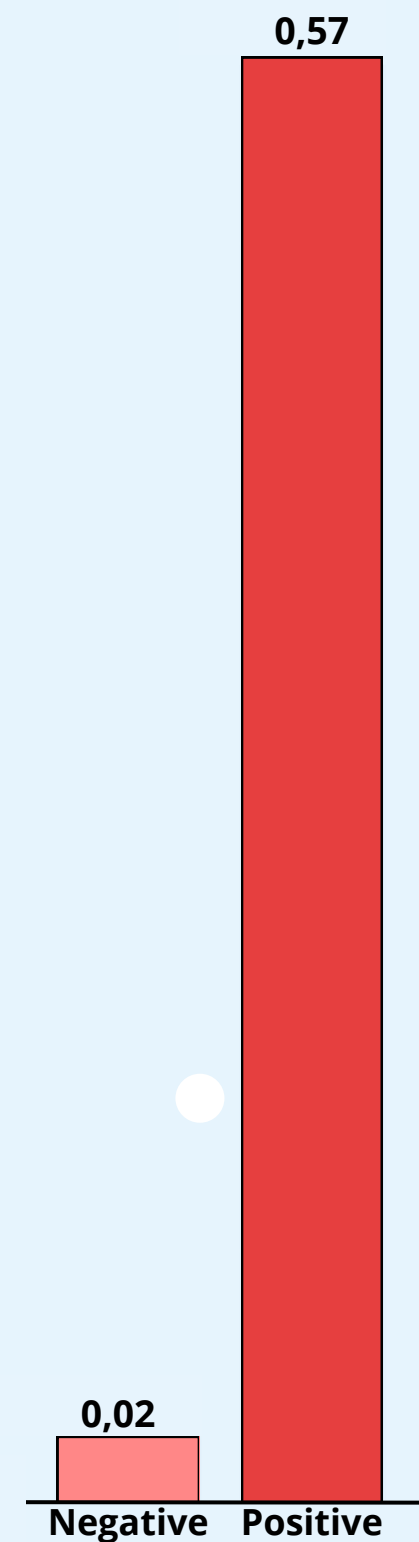


Patients' blood test findings:

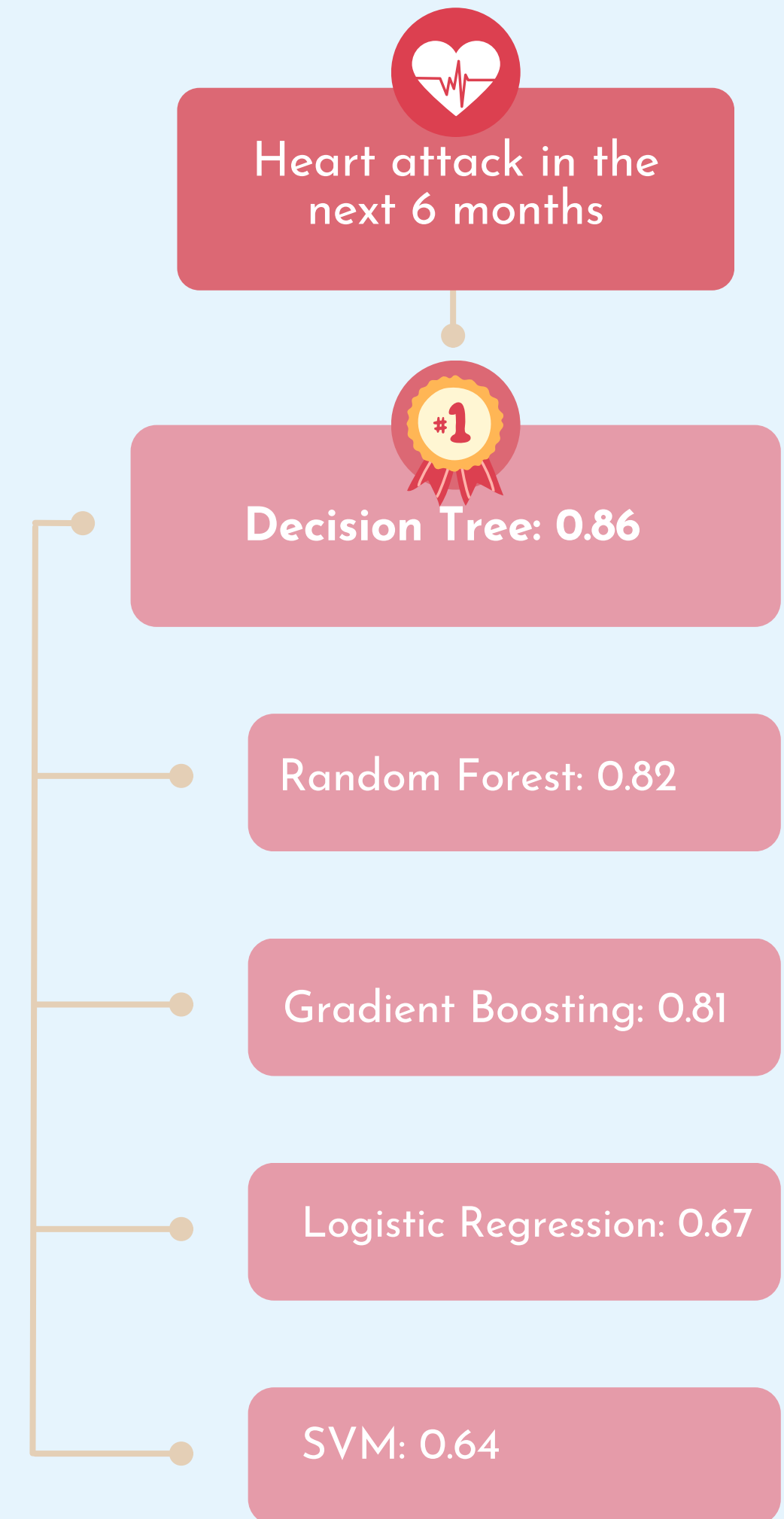
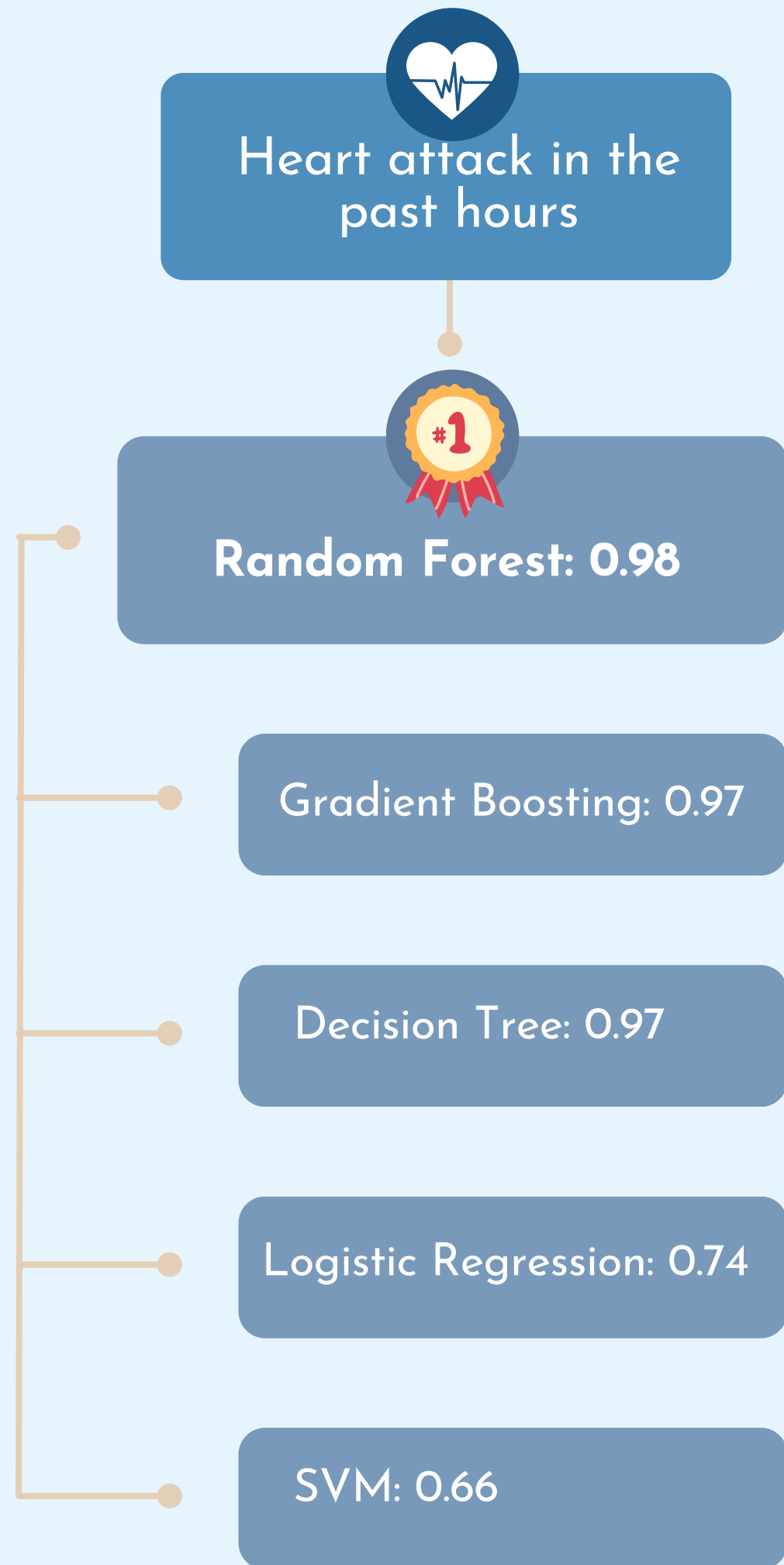
CK-MB 



Troponin 



Model



Predictive Healthcare Services



A Forecasting Tool for Patient Management in Healthcare: Designed to Evaluate the Likelihood of Heart Attacks and Monitor Post-Event Recovery.

Heart Attack Detection

Patient Name

Age

 - +

Systolic Blood Pressure

 - +

CK-MB

 - +

Troponin

 - +

Predict



Thank you!