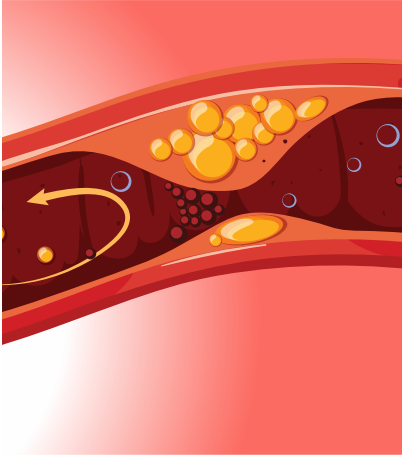


CARDIOVASCULAR EXPERTISE (Heart Failure, Coronary Artery Disease, Hypertension, Angina)

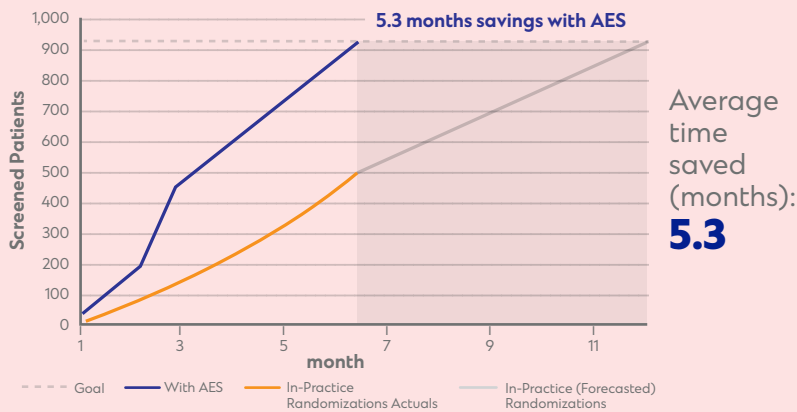


Cardiovascular disease encompasses numerous problems, many of which are related to a process called atherosclerosis. Atherosclerosis is a condition that develops when a substance called plaque builds up in the walls of the arteries. This buildup narrows the arteries, making it harder for blood to flow through. If a blood clot forms, it can stop the blood flow. This can cause a heart attack or stroke. Other types of cardiovascular disease include heart failure, arrhythmia, and heart valve problems.

Cardiovascular disease is the leading global cause of death, accounting for more than 17.6 million deaths per year in 2016, a number that is expected to grow to more than 23.6 million by 2030. Cardiovascular diseases claim more lives each year than all forms of cancer and chronic lower respiratory disease combined. About 92.1 million American adults are living with some form of cardiovascular disease or the aftereffects of stroke.

AES EXPERIENCE

Therapeutic area: **Cardiovascular**
 Number of protocols: **835**
 Number of potential patients in database: **41.6 million**
 Number of sites supported: **2,767**
 Number of patients randomized: **35,887**
 Average number of recruitment months: **5**



INSIGHTS

There is significant competition for cardiovascular studies. Sponsors are competing for massive numbers of the same type of patient.

The majority of protocols have an age limit of 65.

Participating in a cardiovascular clinical trial can be quite intensive, requiring multiple hospital or doctor visits and strict procedures such as fasting before blood tests. The patient's ability to comply with the protocol is crucial.