



THIS IS HOW YOUR HEART WORKS



UNDERSTANDING HEART ANATOMY

When your heart is in good working order, it pumps blood throughout your body day and night. Your heart has four chambers and four valves, each with different functions. Together, they make sure that oxygen and nutrition reach every cell in your body.

AORTA

Your largest blood vessel and the main way blood flows from your heart to the rest of your body.

AORTIC VALVE

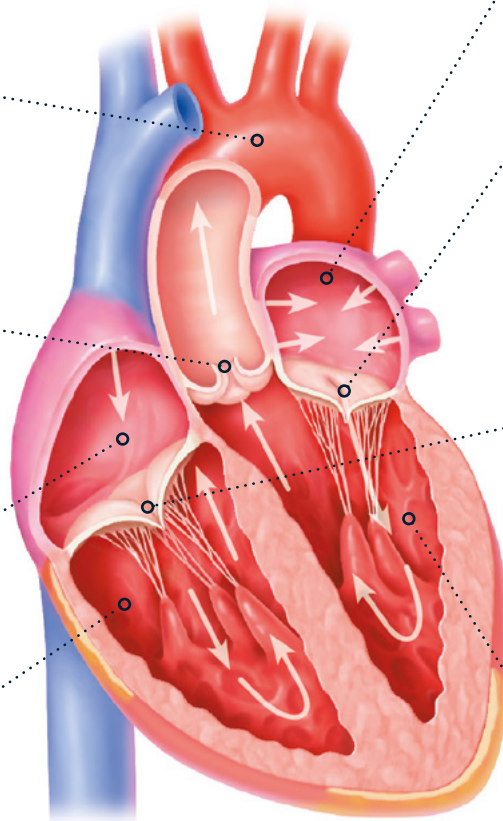
A one-way valve that opens to let oxygen-rich blood travel through your body, and closes to prevent that blood from moving backwards.

RIGHT ATRIUM

Receives blood through your veins after your body has absorbed nutrients and oxygen.

RIGHT VENTRICLE

Sends blood to the lungs to be refilled with oxygen.



LEFT ATRIUM

Receives oxygen-rich blood from your lungs, pushing it into the left ventricle.

MITRAL VALVE

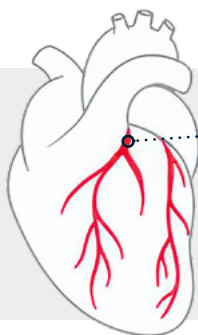
Controls blood flow from your left atrium to your left ventricle. When it's closed, it prevents blood from moving the wrong way in your heart.

TRICUSPID VALVE

Helps blood flow in the correct direction from the right atrium to the right ventricle, keeping blood moving to lungs to be re-oxygenated.

LEFT VENTRICLE

The strongest chamber in your heart that pushes blood through the aortic valve and aorta to circulate through your body.



CORONARY ARTERIES FEED YOUR HEART

Like other muscles in the body, your heart needs blood to get oxygen and nutrients. Your coronary arteries supply blood to your heart. These arteries branch off from the aorta so that oxygen-rich blood is delivered to your heart as well as the rest of your body.

HEART CONDITIONS ARE A COMMON CHALLENGE

No matter your age or lifestyle, heart conditions can affect you. There are many forms of heart disease, including:

- Conditions you are born with, known as congenital heart defects
- Diseases of your heart muscle
- Heart valve disease
- Diseases of the blood vessels, such as coronary artery disease
- Irregular heartbeats, known as arrhythmias



WHY DO I NEED TO PROTECT MY HEART HEALTH?



Heart disease is a leading cause of death, responsible for 1 out of 3 deaths in the U.S.¹



The majority of Americans have at least one risk factor for heart disease.²



Being proactive about heart conditions such as aortic valve stenosis can improve your overall health.³



LEARN MORE ABOUT HEART HEALTH.

Your health care provider can offer resources to learn more about how your heart works, as well as any conditions or risk factors you should be aware of.

Scan here for helpful resources and patient stories.

References

1. Cleveland Clinic. "30 facts about your heart." <https://health.clevelandclinic.org/fun-facts-about-your-heart>. Accessed November 2025.
2. †AHA | ASA Journals. "2025 Heart Disease and Stroke Statistics: A Report of US and Global Data From the American Heart Association." <https://www.ahajournals.org/doi/10.1161/CIR.0000000000001303>. Accessed November 2025.
3. Science Direct. "Surgical aortic valve replacement in octogenarians: Single-center perioperative outcomes and five-year survival." <https://www.sciencedirect.com/science/article/pii/S0870255124000696>. Accessed November 2025.

Illustrations are artist's representations only and should not be considered as engineering drawings or photographs.
Photo(s) on file at Abbott.

Abbott

3200 Lakeside Dr., Santa Clara, CA 95054 USA, Tel: 1.800.227.9902
www.structuralheart.abbott

© 2025 Abbott. All rights reserved. MAT-2512913 v1.0 | Item approved for U.S. use only.

