

Flu and People with Heart Disease or a History of Stroke

People who have heart disease or a history of stroke are at increased risk of developing serious flu (influenza)-related medical complications. They are one of the high-risk groups that health professionals recommend get the flu vaccine each year. Here are some facts about the flu and heart disease:

- During flu months, there is a **28% increase** in Michigan Medicine hospital admissions for patients with an aortic dissection.
- The risk of hospital admission for a heart attack is **6 times higher** within a week of having the flu.

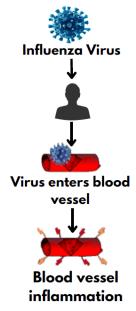
If you have heart disease or have had a stroke, it is important to get a flu vaccine every year to protect against flu and its possibly serious medical complications.

How does the flu virus affect people with heart disease or a history of stroke?

When you are infected by the flu virus, the virus can enter your blood vessels and cause **blood vessel inflammation** (swelling, redness, and irritation). Inflammation occurs because your body is sending out cells to trap germs to defend your body from the virus.

Blood vessel inflammation can cause:

- Damage to your heart muscle
- Inflammation of your heart muscle



- Fluid or inflammation in the sac surrounding your heart
- Weakening of the pumping function of your heart

Why are flu vaccines important for those with heart disease or a history of stroke?

Getting a yearly flu vaccine can lower your risk of heart attack, stroke, and heart-related death. Research shows that flu vaccination significantly reduces the risk of serious complications and death from heart disease.

Do I need to get the flu vaccine every year?

The best way to prevent the flu is to get a flu vaccine every year. You need a flu vaccine every year because:

- Your protection (immunity) from vaccination decreases over time.
- Flu vaccines are constantly updated to protect against the most recent strain (type) of flu virus.

Is the flu vaccine safe?

Yes, the flu vaccine is completely safe for most people. It has very few, mild side effects that go away on their own. Talk to your healthcare provider before getting a flu shot if:

- You have ever had Guillain-Barre Syndrome
- You had a severe allergic reaction before to a dose of any other flu vaccine
- You are feeling sick on the day of your vaccination

Can I get the flu from the flu vaccine?

No, the flu vaccine cannot cause flu illness. The flu vaccine is made using inactivated (killed) viruses - meaning the viruses can no longer infect anything - or particles designed to look like a flu virus to your immune system.

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Where can I get a flu vaccine?

Adults can get flu vaccines at doctor's offices, community health clinics, health departments, pharmacies, and even in some workplaces. To find a place near you to get a vaccine, search online at <u>Vaccines.gov</u>.

Get your flu vaccine today!

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