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**Know  
VTE**

**1 in 4  
deaths are  
related to blood clots**

## Know VTE

# 1 in 4 deaths worldwide are related to blood clots

With one of the largest portfolios of hemostasis-specific tests and systems dedicated to the diagnosis of blood-clotting disorders, Siemens Healthineers supports clinicians in the fight against one of the biggest health threats to our communities. Our commitment goes beyond providing clinicians with the diagnostic solutions they need—which is why we are proud to sponsor the annual World Thrombosis Day in an effort to promote thrombosis risk education and ultimately save lives.

### Thrombosis

A blood clot that forms in an artery or vein and is the one disorder that causes the world's top three cardiovascular killers: **heart attack, stroke, and venous thromboembolism (VTE)**, which is a blood clot that is found mostly in the leg and lungs.



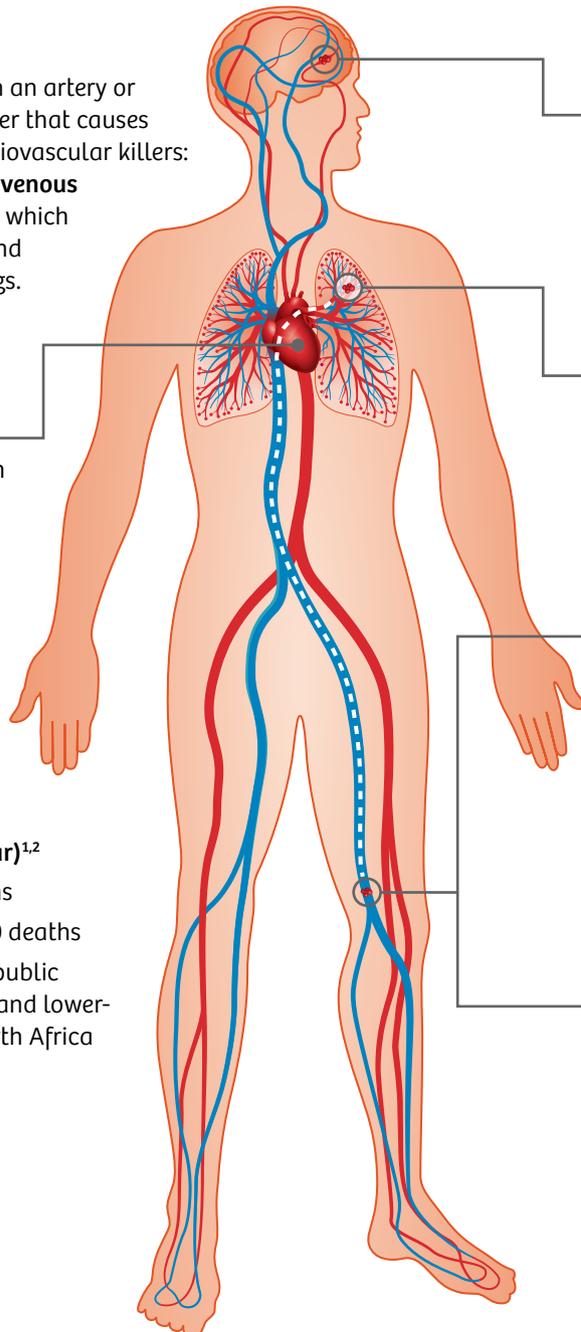
### Heart Attack

If a blood clot forms in an artery in the heart, it may cut off blood and oxygen to the heart, which can cause a heart attack.



### Deaths from VTE (Per Year)<sup>1,2</sup>

- Europe = 500,000 deaths
- U.S. = 100,000–300,000 deaths
- VTE also is a troubling public health issue in middle- and lower-income countries in North Africa and Latin America.



### Stroke

A common type of stroke is caused when a blood clot forms in an artery leading to the brain and blocks the blood supply.



### Pulmonary Embolism (PE)

When a blood clot that has formed in the deep veins of the leg (or sometimes the arm) breaks away and travels to the lungs, it becomes a pulmonary embolism—this is potentially life threatening.

### Deep Vein Thrombosis (DVT)

When a blood clot forms in a deep vein of the legs (or arms), it is called a deep vein thrombosis, or DVT. If not prevented or caught early, DVT can cause serious medical problems.



### DVT + PE = VTE

If not prevented or caught early, a deep vein thrombosis (DVT) can progress, with the blood clot breaking away, traveling to the lungs, and becoming a potentially deadly pulmonary embolism (PE), which requires immediate medical attention. Together, DVT and PE are known as venous thromboembolism (VTE).

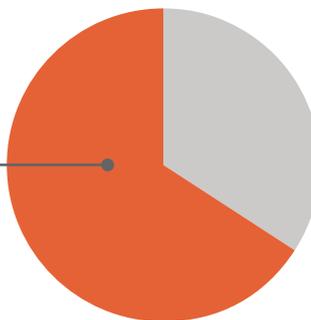


## Clinical risk



More than two-thirds of blood clots in the leg result from being in the hospital, which is the leading cause of preventable hospital deaths.<sup>3</sup>

Certain surgeries, including hip and knee surgery and surgeries for cancer, put a patient at higher risk.



## Additional blood clot triggers



- Family history of blood clots
- Estrogen-based medication
- Immobility
- Pregnancy or recently giving birth

## Learn more on our World Thrombosis Day website!

The Siemens Healthineers World Thrombosis Day website provides you with to up-to-date information on thrombosis diagnosis and anticoagulant treatment.

Resources include:

- White paper: Clinical indications of F1+2 testing
- White paper: D-dimer testing for VTE exclusion
- Webinars: Direct oral anticoagulant (DOAC) testing
- Interactive coagulation cascades

Also, be sure to check out our thrombosis risk decision tree. Thrombotic disease can be caused by a broad range of disorders, complicating prompt and accurate risk assessment. Our latest tool details diagnostic approaches for thrombosis and shares best practices on how to perform and interpret thrombophilia tests that aid in better patient management.



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At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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#### References:

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