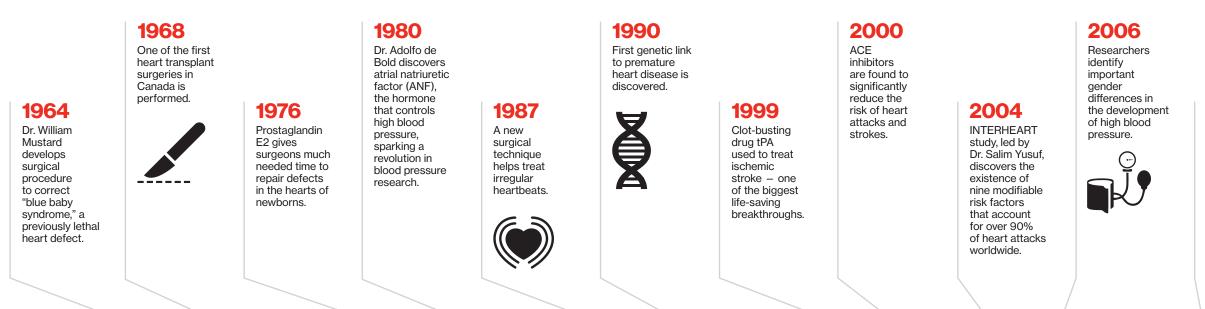
Research Breakthroughs

Life-saving advances made possible by you.





Dr. Wilfred **Bigelow performs** first successful open heart surgery in Canada, using a technique developed through a Heart & Stroke research grant.



1965 Diagnosing heart disease becomes easier thanks to ECG

telemetry, which allows doctors to monitor patients' hearts remotely while they go about daily activities.



1976

Dr. Henry Barnett conducts first clinical trial using Aspirin to prevent strokes.



1983

Dr. Robert Côté perfects a clinical tool that measures neurological deficits following an acute stroke. This Canadian Neurological Scale is now used all over the world.

1987 Researchers

pioneer the use of the clot-busting drug tPA for heart attacks.

1997

Human genome mapping reveals more than 84,000 DNA sequences related to heart disease and stroke.



Dr. Lori West discovers that, unlike adults, newborns are able to accept hearts from incompatible donors.

Canadian

2003

Stroke Strategy, a joint initiative with the Canadian Stroke Network, revolutionizes stroke management with a new integrated approach to prevention, treatment and

rehabilitation



2005

The gene

for heart

is found.

responsible

arrhythmias

2009 World's first in-utero surgery to correct

congenital heart defects is performed in Canada.



2016

Dr. Louise Pilote identifies gender distinct from biological sex - as a unique risk factor for the recurrence of major cardiac events

2018

Pioneering analysis quantifies the economic toll of stroke and heart disease on families, through reduced earnings and more.



2014

Researchers discover the cause of increased calcium in the heart, which can lead to an irregular heartbeat and sudden death.

2015

ESCAPE trial shows that treating major strokes by removing blood clots through blood vessels cuts deaths by 50% and reduces disability in survivors.





The stroke strategy established in 2003 pays off as research proves integrated systems of stroke care reduce stroke deaths by 20%.

2019

Discovery of a molecule linked to 1 in 5 cases of heart failure creates potential for preventing this debilitating condition.