

Heart Attack Mortality

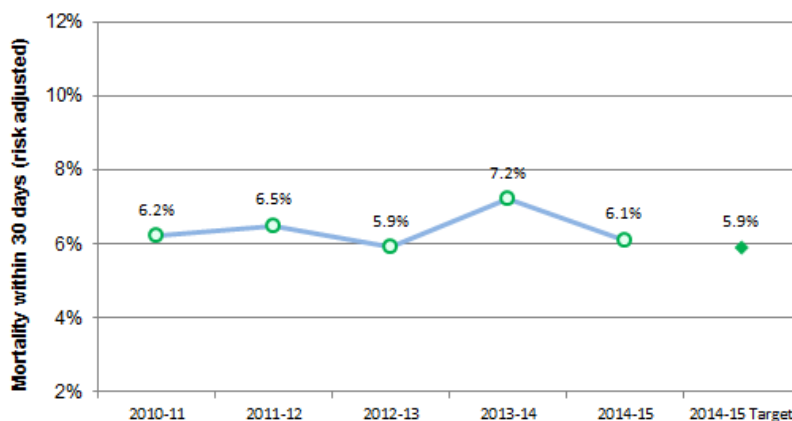
Measure Definition

The probability of dying in hospital within 30 days of being admitted for a heart attack. AHS is performing at the same level as the national average of 7.1%. This measure represents hospital deaths occurring within 30 days of first admission to a hospital with a diagnosis of acute myocardial infarction (AMI), often called a heart attack. This measure is adjusted for age, sex and other conditions.

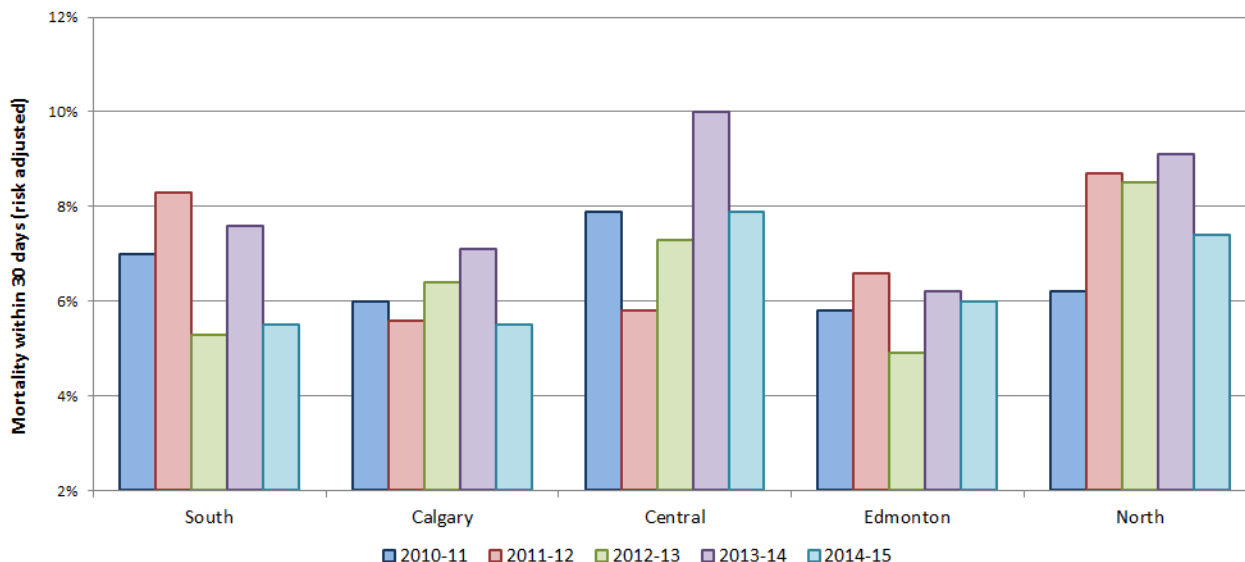
Understanding this Measure

Heart attacks are one of the leading causes of death in Canada. Breakthroughs in treatments, particularly the timing of re-opening coronary arteries for blood flow, are greatly increasing survival rates.

Heart Attack Mortality - Annual



Heart Attack Mortality - by Zone



Heart Attack Mortality – Actions

Provincial/ Strategic Clinical Network (SCN)	<ul style="list-style-type: none"> • Implement best practice guidelines and protocols for management for Non ST Segment Elevation Myocardial Infarction (NSTEMI). • Provincial implementation of T-segment elevation myocardial infarction STEMI standardized orders sets with Cardiovascular Health and Stroke SCN.
South	<ul style="list-style-type: none"> • Monitor and evaluate implementation of best practice guideline for NSTEMI.
Calgary	<ul style="list-style-type: none"> • Implementation to improving ED times (door-to-needle time). • Collaborating with the ED SCN on STEMI quality improvement initiative. • Rolling out developed NSTEMI Guidelines.
Central	<ul style="list-style-type: none"> • New teaching and discharge instruction tools developed for cardiac patient at Red Deer Regional Hospital to improve follow-up directions, clearer information related to medication use and activity levels after discharge as well as what to do if chest pain returns. • Implement best practice guidelines and protocols for management of cardiac patients for NSTEMI.
Edmonton	<ul style="list-style-type: none"> • Development and implementation of a provincial Emergency Department standardized order set with the Cardiovascular Health and Stroke SCN. • Support ongoing education related to STEMI care. • Increase access to same day assessment for high risk TIA (transient ischemic attacks) patients.
North	<ul style="list-style-type: none"> • Site specific action plans under development.

IN SUMMARY

Every day at AHS, cardiologists and EMS work collaboratively to diagnose patients who are in transit to the hospital. They can jump into action immediately upon the patient's arrival to the ED to initiate an appropriate treatment plan.

The decline in heart attack mortality rates is attributed to medical advances, new pharmaceuticals, and reductions in major risk factors, such as a decline in tobacco use.

DID YOU KNOW

NSTEMI (Non-ST-segment elevation myocardial infarction) occurs by developing a complete blockage of a minor coronary artery or a partial blockage of a major coronary artery previously affected by atherosclerosis.

STEMI (ST-segment elevation myocardial infarction) occurs by developing a complete blockage of a major coronary artery previously affected by atherosclerosis.

NSTEMI and STEMI are both commonly known as heart attack.

Heart Attack Mortality – Zone Details

The probability of dying in hospital within 30 days of being admitted for a heart attack. AHS is performing at the same level as the national average of 7.1%. This measure represents hospital deaths occurring within 30 days of first admission to a hospital with a diagnosis of acute myocardial infarction (AMI), often called a heart attack. This measure is risk adjusted for age, sex and other conditions.

Heart Attack (AMI) Mortality within 30 days	2011-12	2012-13	2013-14	Q4 YTD		Trend *	2014-15 Target
				2013-14 Last Year	2014-15 Current		
Provincial	6.5%	5.9%	7.2%	7.2%	6.1%	↑	5.9%
South Zone	8.3%	5.3%	7.6%	7.6%	6.3%	↑	5.3%
Calgary Zone	5.6%	6.4%	7.1%	7.1%	5.0%	↑	6.4%
Central Zone	5.8%	7.3%	10.0%	10.0%	7.2%	↑	7.2%
Edmonton Zone	6.6%	4.9%	6.2%	6.2%	6.6%	↓	4.9%
North Zone	8.7%	8.5%	9.1%	9.1%	7.2%	↑	8.4%

* **Trend:** ↑ Improvement → Stability ↓ Area requires additional focus

Heart Attack Cases (Index)*	2011-12	2012-13	2013-14	Q4 YTD	
				2013-14 Last Year	2014-15 Current
Provincial	5,202	5,335	5,475	5,475	5,342
South Zone	328	360	320	320	315
Calgary Zone	1,773	1,794	1,951	1,951	1,879
Central Zone	518	542	509	509	542
Edmonton Zone	2,185	2,283	2,334	2,334	2,303
North Zone	398	356	361	361	369

*Total number of hospital stays where a first heart attack was diagnosed.