

LEVEL 1 HEART ATTACK OUTCOME REPORT



Level One Heart Attack Program interventional therapies are available 24 hours a day, 365 days a year.

UNIQUE LEVEL ONE HEART ATTACK PROGRAM: NO PATIENT EXCLUDED FROM TREATMENT*

The Level One Heart Attack Program has completed four consecutive years of operation. The Minneapolis Heart Institute at Abbott Northwestern Hospital began this unique treatment program in March 2003. This is the first program of its kind in the United States to coordinate community emergency departments

with trained emergency transportation professionals and an expert angioplasty team available 24 hours a day.

Since its inception, 1692 patients have been treated through MHI's Level One Heart Attack Program. When compared to benchmarks, the Level One program shows a significant reduction in mortality rates.

*No patients excluded based on age, cardiac shock, cardiac arrest, comorbidity, etc.

LEVEL ONE HEART ATTACK OUTCOME REPORT — MARCH 1, 2003 - AUGUST 31, 2007

Patients

Total	1692
Zone 1 ¹	775
Zone 2 ²	557
Abbott Northwestern ED ³	360
Male / Female	72% / 28%
Average age	62.2 years
Anterior MI or LBBB	37.7%
Cardiogenic shock	12.1%
Pre-PCI cardiac arrest	10.6%
Transport	
Ground / Air	29% / 71%
Median elapsed time	
Community ED arrival to balloon inflation at ANW	
Zone 1	95 minutes
Zone 2	122 minutes
Abbott Northwestern ED	65 minutes
Cath lab arrival to balloon inflation, zone 1 and 2	14 minutes

OVERALL PROGRAM OUTCOMES

Mortality at 30 days / mortality at 1 year**	
Zone 1	5.2% / 6.8%
Zone 2	6.1% / 8.6%
Abbott Northwestern ED	4.2% / 8.5%
Overall mortality at 1 year	7.7%
Overall cardiovascular mortality at 1 year	5.7%
Stroke rate at 30 days	1.1%
Reinfarction at 30 days	1.4%
Median hospital length of stay	3.0 days
TIMI major bleeding	0.9%

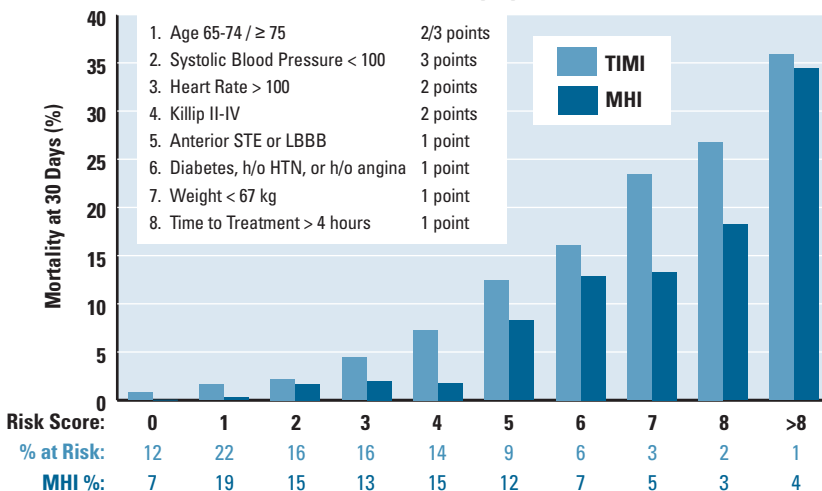
**No significant difference among any groups.

OUTCOMES WITH EXCLUSIONS USED BY OTHER PROGRAMS AND CLINICAL TRIALS⁴

Mortality at 30 days	0.9%
Mortality at 1 year	1.5%

- Zone 1: Hospitals 22-60 miles from Abbott Northwestern Hospital. No thrombolytic therapy. Immediate transfer and stenting.
- Zone 2: Hospitals 61-190 miles from Abbott Northwestern Hospital. Half-dose thrombolytic therapy followed by immediate transfer and stenting.
- Patients entering the Level One Program through Abbott Northwestern Hospital's Emergency Department.
- Excludes patients with cardiac arrest, cardiogenic shock, CABG ≥ 88, or COD that is non-cardiac related.

Level One MI Mortality by TIMI Risk Score[†]



[†]Expected mortality is based on national data versus MHI data.

In the news...

Access the August 2007 *Circulation* article regarding MHI's Level One Heart Attack Program on our homepage, mplsheart.com, or visit www.circ.aha.journals.org.



MINNEAPOLIS
HEART
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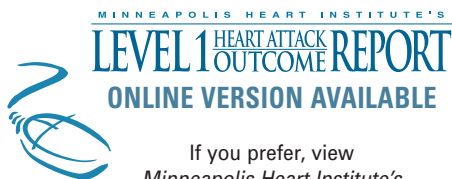


ABBOTT
NORTHWESTERN
HOSPITAL
Allina Hospitals & Clinics

The Level One Heart Attack Program relies upon a high degree of collaboration between community hospitals, Abbott Northwestern Hospital and the Minneapolis Heart Institute. Currently, 30 hospitals and health care facilities participate in the program.

Aitkin - Riverwood Healthcare Center
Alexandria - Douglas County Hospital
Arlington - Sibley Medical Center and Clinics
Blue Earth - United Hospital District
Brainerd - St. Joseph's Medical Center
Cambridge - Cambridge Medical Center
Crosby - Cuyuna Regional Medical Center
Faribault - District One Hospital
Glencoe - Glencoe Regional Health Services
Grand Rapids - Grand Itasca Clinic and Hospital
Grantsburg, WI - Burnett Medical Center
Hutchinson - Hutchinson Area Health Care Center
LeSueur - Minnesota Valley Health Center

Litchfield - Meeker County Memorial Hospital
Minneapolis - Abbott Northwestern Hospital
Monticello - Monticello-Big Lake Hospital
Mora - Kanabec Hospital
Morris - Stevens Community Medical Center
New Prague - Queen of Peace Hospital
New Ulm - New Ulm Medical Center
Northfield - Northfield Hospital
Olivia - RC Hospitals and Clinics
Owatonna - Owatonna Hospital
Redwood Falls - Redwood Area Hospital
Shakopee - St. Francis Medical Center
Sleepy Eye - Sleepy Eye Municipal Hospital
Springfield - Springfield Medical Center
St. Peter - St. Peter Community Hospital
Waconia - Ridgeview Medical Center
Willmar - Rice Memorial Hospital



If you prefer, view
*Minneapolis Heart Institute's
Level One Heart Attack Outcome Report*
online at mplsheart.com.

LEVEL ONE OVERSIGHT COMMITTEE

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