



MINNEAPOLIS
HEART
INSTITUTE

920 East 28th St.
Minneapolis, MN 55407

Allina Health System



ABBOTT
NORTHWESTERN
HOSPITAL
Allina Hospitals & Clinics

The Level 1 Heart Attack Program relies upon a high degree of collaboration between community hospitals, Abbott Northwestern Hospital and the Minneapolis Heart Institute. Currently, 28 hospitals and health care facilities participate in the program.

Aitkin - Riverwood Health Care Center
Alexandria - Douglas County Hospital
Arlington - Sibley Medical Center
Blue Earth - United Hospital District
Brainerd - St. Joseph Medical Center
Burnsville - Fairview Ridges Hospital
Cambridge - Cambridge Medical Center
Crosby - Cuyuna Regional Medical Center/Central Lakes Medical Clinic
Faribault - Rice County District One Hospital
Glencoe - Glencoe Regional Health Services
Grand Rapids - Itasca Medical Center
Grantsburg, WI - Burnett General Hospital

Hutchinson - Hutchinson Area Health Care
LeSueur - Minnesota Valley Health Center
Litchfield - Meeker County Hospital
Minneapolis - Abbott Northwestern Hospital
Monticello - Monticello Big Lake Community Hospital District
Mora - Kanabec Hospital
Morris - Stevens Community Medical Center
New Prague - Queen of Peace Hospital
New Ulm - New Ulm Medical Center
Northfield - Northfield Hospital
Olivia - Renville County Hospital
Shakopee - St. Francis Regional Medical Center
Sleepy Eye - Sleepy Eye Medical Center
Springfield - Springfield Community Hospital
Waconia - Ridgeview Medical Center
Willmar - Rice Memorial Hospital

MINNEAPOLIS HEART INSTITUTE'S
**LEVEL 1 HEART ATTACK
OUTCOME REPORT**
ONLINE VERSION AVAILABLE



If you prefer, view *Minneapolis Heart Institute's Level 1 Heart Attack Outcome Report* online at www.mplsheart.com/level1report. To sign up for email notification of *Level 1 Heart Attack Outcome Report* online publication, send your name and email address to us at: level1report@mplsheart.com.

LEVEL 1 HEART ATTACK OUTCOME REPORT



Level 1 Heart Attack Program interventional therapies are available 24 hours a day, 365 days a year.

UNIQUE LEVEL 1 HEART ATTACK PROGRAM

The Level 1 Heart Attack Program just completed its first full calendar year of operation. The Minneapolis Heart Institute® at Abbott Northwestern Hospital began this unique treatment program in March 2003. This is the only 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, 452 patients have been treated through MHI's Level 1 Heart Attack Program. When compared to benchmarks, the Level 1 program shows effective reduction in mortality rates.

LEVEL 1 HEART ATTACK PROGRAM REPORT CARD

MARCH 1, 2003 - DECEMBER 31, 2004

(NO PATIENTS HAVE BEEN EXCLUDED FROM THIS REPORT)

Patients	
Total	452
Zone 1 ¹	243
Zone 2 ²	103
Abbott Northwestern ED ³	106
Male/Female	70%/30%
Average age	62.5 years
≥65	42.5%
≥85	6.9%
Transport	
Ground/air	35%/65%
Median elapsed time	
Community ED arrival to balloon inflation at ANW	
Zone 1	95 min
Zone 2	117 min
Abbott Northwestern ED	72.5 min
Cath lab arrival to balloon inflation	15.5 min

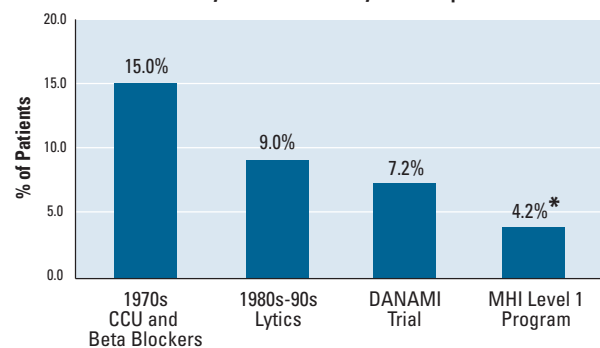
OUTCOMES

Mortality at 30 days	4.2%
Zone 1	4.1%
Zone 2	3.9%
Abbott Northwestern ED	4.6%
Stroke rate at 30 days	0
Reinfarction at 30 days	1.1%
CABG	
Immediate	2.9%
(None due to angioplasty/stent complications)	
Elective	3.1%
Hospital length of stay	3.0 days
Deaths during transfer	0
VFib arrest during transfer, all resuscitated	2.0%
Bleeding requiring transfusion	1.1%
Anterior infarction	33.3%

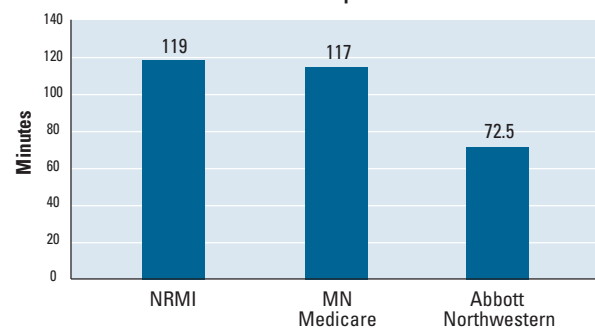
1. Zone 1: Hospitals 22-60 miles from Abbott Northwestern Hospital. No thrombolytic therapy. Immediate transfer and stenting.
2. Zone 2: Hospitals 61-170 miles from Abbott Northwestern Hospital. Half-dose thrombolytic therapy followed by immediate transfer and stenting.
3. Patients entering the Level 1 Program through Abbott Northwestern Hospital's Emergency Department.

*Level 1 data reflects all patients compared to trials with exclusions for cardiogenic shock, out of hospital arrests, etc. Only one patient who met DANAMI entry criteria has died in 22 months.

Minneapolis Heart Institute's
Level 1 Heart Attack Program
30-Day Acute MI Mortality Rate Comparison



Comparison of Door-to-Balloon Times of Patients
Who Presented at a Hospital With a Cath Lab



Comparison of Door-to-Balloon Times
of Patients Who Presented at a Hospital Without
a Cath Lab and Were Transferred

