

Two Hospitals-One Heart: World Class Heart Care through Multi-Disciplinary Collaboration

American Nurses Association
7th Annual Nursing Quality Conference
February 8, 2013
Session 206 8:30 am-9:30 am

Aursing Quality Conference
2013 Schneck Medical Center
Seymour, Indiana





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Schneck Medical Center

- 97 beds
- · Not-for-profit
- Facilities
 - Main Campus
 - 30.000 ED visits
 - State-of-the-Art Cancer Center
 - Outpatient Rehabilitation Center
 - Home Services
 - Family Care Centers



Objectives

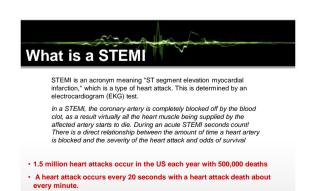
- Describe the benefits of a collaborative approach to heart care
- Define measures to focus priorities for cycles of improvement



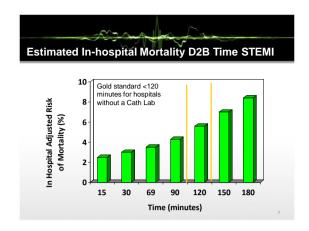


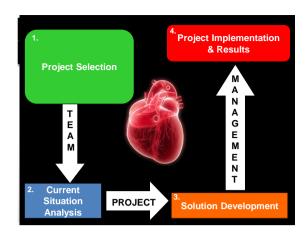


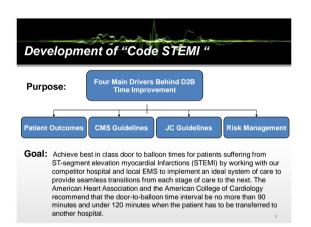


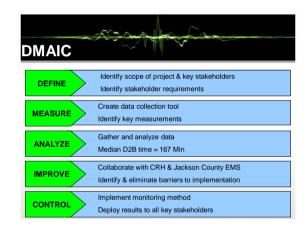


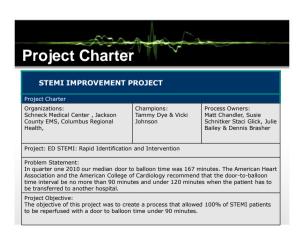
· Heart attack is a leading killer of both men and women in the United States

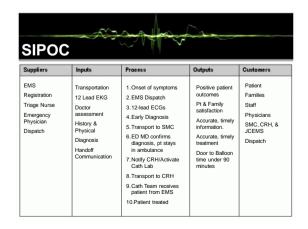


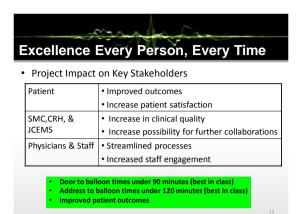


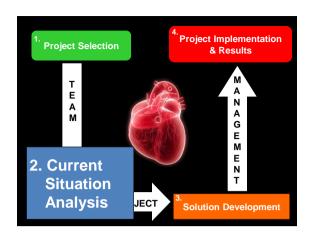


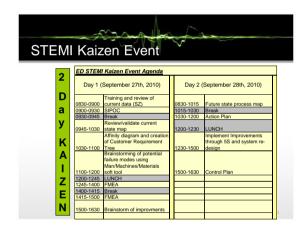


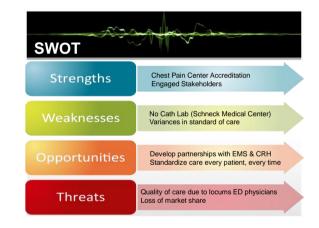




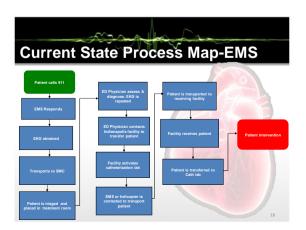


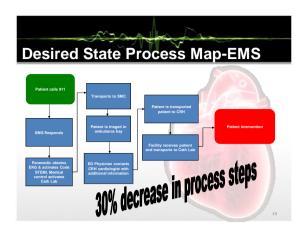




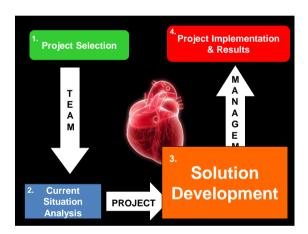


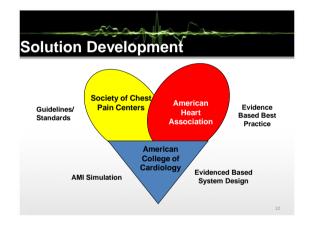












Solution Development

Grant Application and Recipient:

Simulation for Improved Teamwork in Myocardial Infarction SIM-FIT MI

An in situ Educational Initiative Tailored to Individual Hospital Needs
April 13, 2011

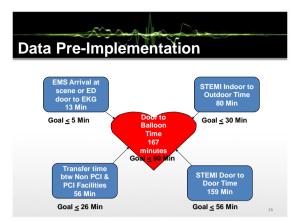
Taped and analyzed by
The American College of Cardiology

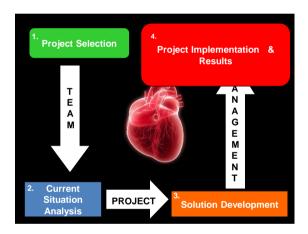
Solution Development

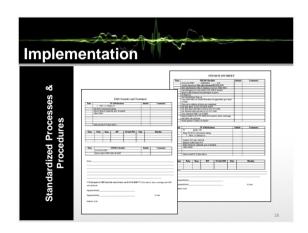
- EMS performs 12 lead EKG and field activates one call process to cath lab for positive STEMI EKG's
- ED physician and nursing team assesses and stabilizes patient in ambulance for transport to receiving facility
- Developed similar process for walk in STEMI patients
- · Standardized equipment between all providers
- Data collection and rapid feedback to everyone involved in the process
- · Collaboration & coordination of resources
- · Mock code event to identify waste in process
- Training & education for Dispatch, EMS, SMC ED Staff, CRH ED Staff, Cath Lab Staff



- Intended Benefits
 - Tangible
 - Improve door to balloon times
 - Improve patient outcomes
- Intangible
 - Increase stakeholder satisfaction with transition of care processes
 - Increase engagement of staff in the success of the initiative
 - Look for opportunities to collaborate on other initiatives











EMS/ED/Transfer Performance Measures

Description	Benchmark	Jamairy	February	March	Q1 Roll-up	April	May	Jane	Q2 Roll-up
Pt. Return rate within 48 hours	0%	0%	0°o	0%	D*	0%	0%	0%	0%
Pt. Return rate within 72 bours.	1)3 0								
Onset of Pain to Disputch		.58	186	45	96	244	96	160	167
Disptagh to EMS EKG Time	-	28	18	15	20	14	13	12	1.3
Dispatch to ED Transport Time	-	34	38	36	37	34	32	33	33
EMS arrival to EKG Time	- 5	23	9	7	13	- 6	7	7	7
EMS Time on Scene	10	NA.	NA.	NΛ	NA.	NA.	15	14	1.5
Total time with EMS		30	94	67	64	27	26	28	27
EMS contact to PCI		NA.	NA.	NA.	NA.	NA.	NA.	118	118
SMC Door to EKG time	. 5	7	9	- 11	9	8	7	.5	7
EMS identified STEMI in the field	100%	NA.	NA.	NA.	NA.	NA.	100%	100%	100%
Biomarker Turnaround Time	30	43	50	44	46	44	3.7	26	36
Door to Biomarker result time		68	74	65	69	76	57	41	58
Door to Needle time	<30	NA.	NA.	NA.	NA.	NA.	NA	NA.	NA.
SMC STEMI In-door to Out-door Time	-30	NA.	106	87	97	47	3.7	40	41
STEM! Transfer time between non-PCL& PCL									
facilities	26	NA.	57	63	63	44	28	25	32
STEM! Door to Door Time (i.e., SMC indoor to									
PCI indoor)	≤56	NA.	163	155	159	91	6.5	65	74
First STEMI EKG to Cath Lab	<51	NA.	105	137	121	85	62	61	69
STEM! Door to Balloon Time	<90	SA	142	92	167	137	96	92	108

Data Post-Implementation

Faster TAT in every key process



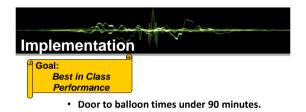
Implementation – Confirmed Benefits

- · Intended Benefits
 - Tangible
 - Improved door to balloon times
 - Improve patient outcomes

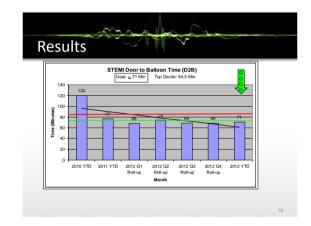
62% Improvemen

Door to Balloon Times

- Intangible
 - Increase stakeholder satisfaction with transition of care processes
 - Increase engagement of staff in the success of the initiative
 - Look for opportunities to collaborate on other initiatives



Results
Door to balloon time <u>71</u> minutes (best in class for non-PCI facility), out performing hospitals that have a cath lab on site!





Thank you for allowing me to share our story of how we have broken down barriers and worked together to put the people of our communities first in everything we do.

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