Infarct Registry

01.01.11-31.12.11

EVAULATION OF STEMI CARE OF PATIENTS IN OUR INSTITUTE, BASED ON THE NATIONAL INFARCT REGISTRY PROGRAM

Infarct Registry
STEMI (ACS) SYSTEM INDICATOR

"

Primary Percutaneous Coronary Intervention ***(PPCI)*** is the most complex, multi-disciplinary, and time-sensitive therapeutic intervention in the world of medicine.

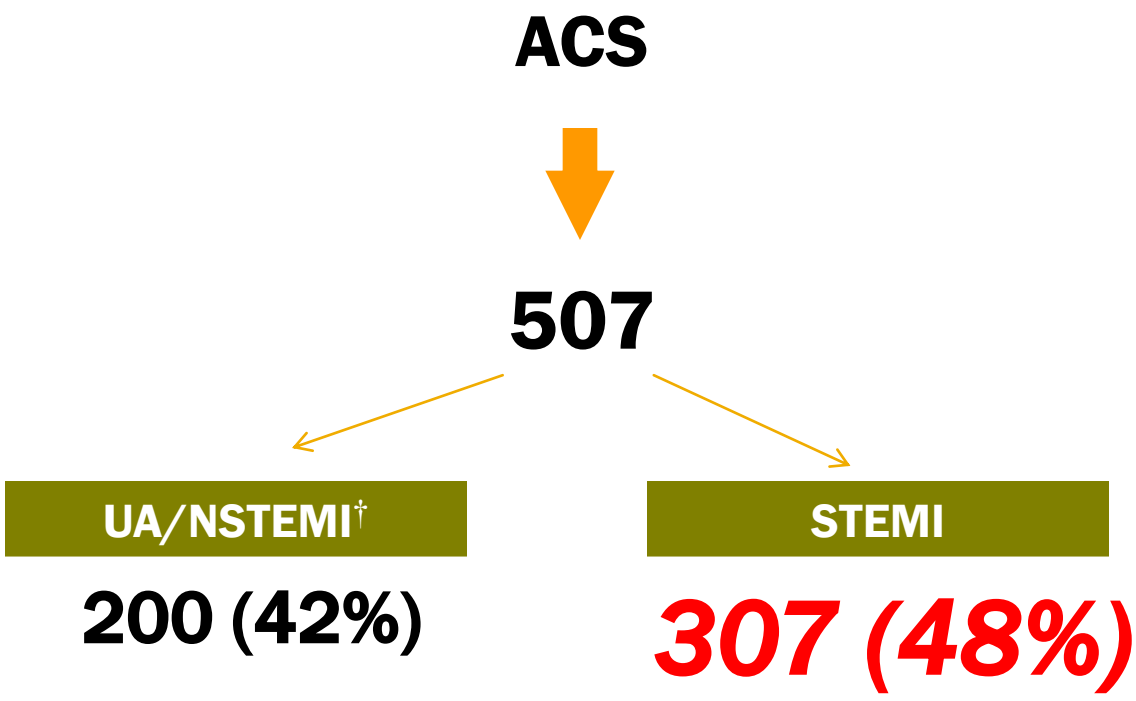
- Our process is measured in ***Minutes***
- Our outcomes are measured in terms of ***Mortality***

Teamwork and smooth ***Transitions*** are essential"

- **Ivan C. Rokos, MD, FACEP, FAHA, (FACC)**
- **Emergency Physician**
- *Asst. Clinical Professor*, UCLA
- *Staff Physician*, Olive View-UCLA
- *Staff Physician*, Northridge Hospital
- Los Angeles, CA

Infarct Registry GOKI

01-01.11.- 31.12.11



AGE, GENDER

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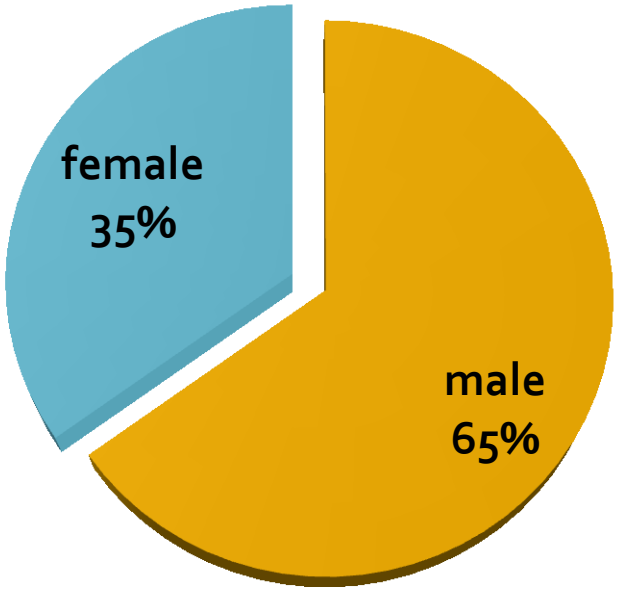
n= 307

Mean age: 62 years



CASE HISTORY (RISK FACTORS) n= 307 (%)

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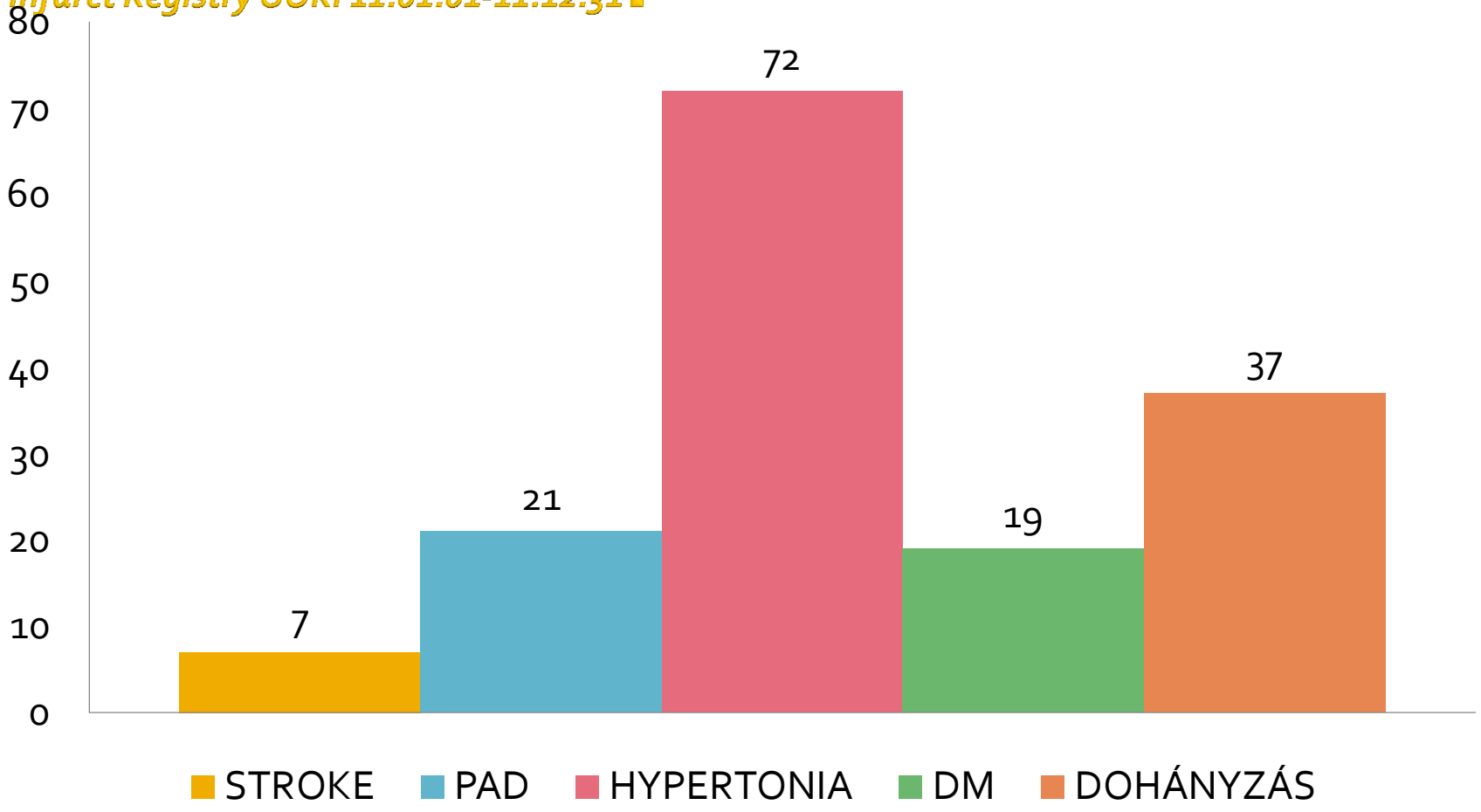
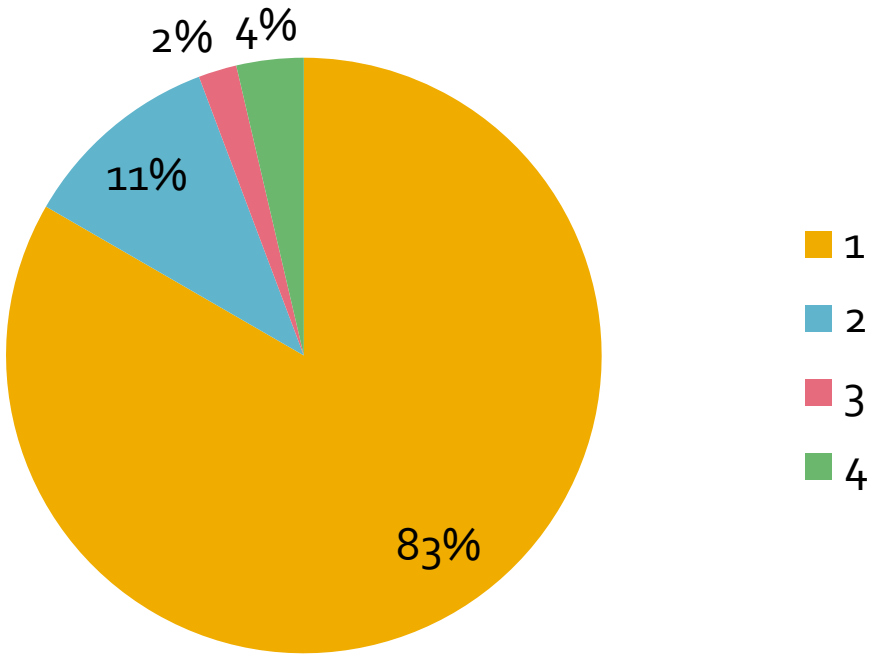


KILLIP CLASS ON ARRIVAL

Infarct Registry GOKI 10.01.01-12.31.

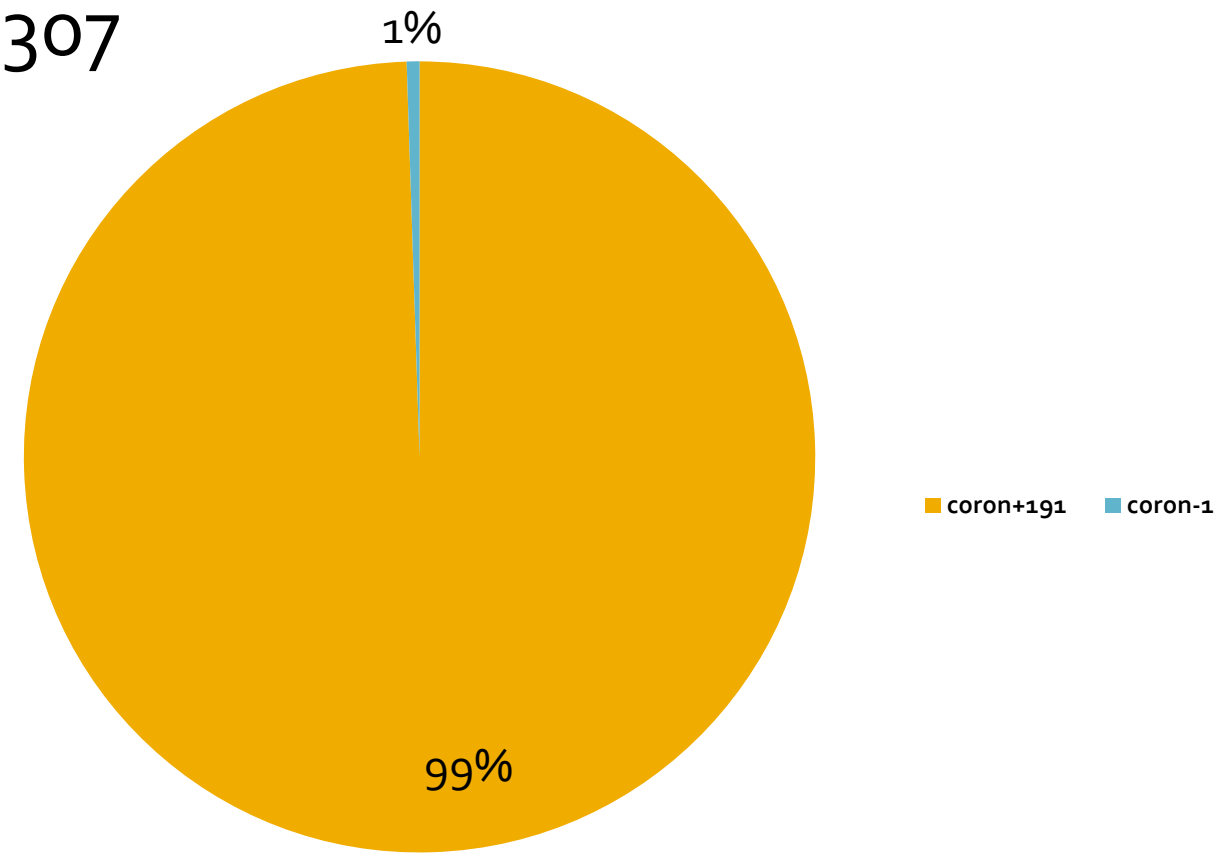
n = 307



CORONAROGRAPHY

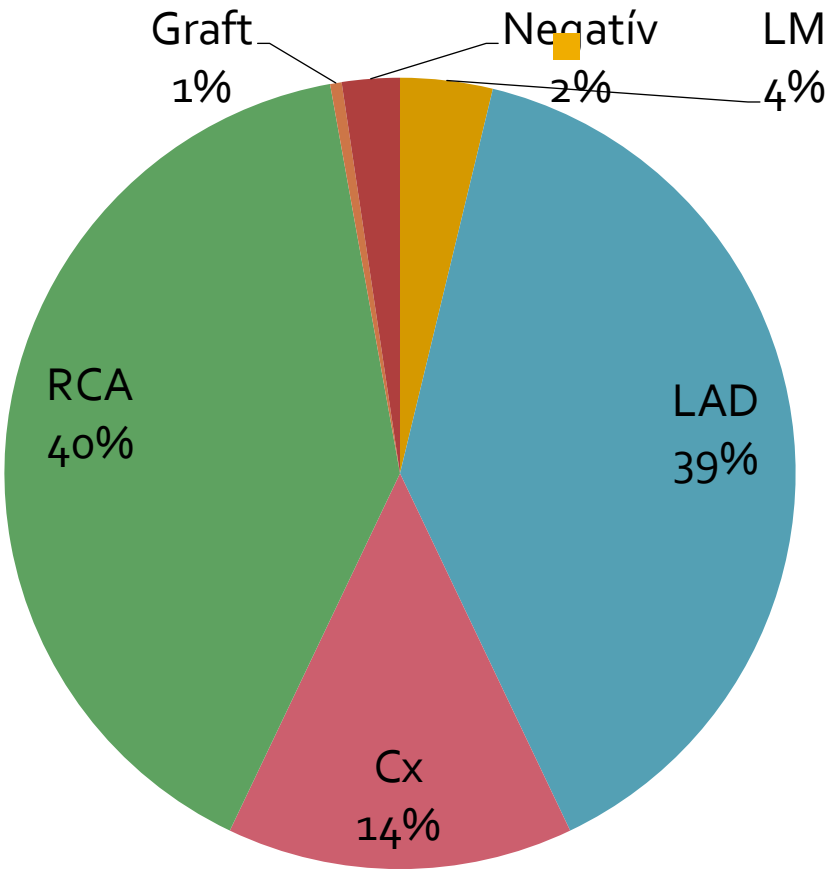
Infarct Registry GOKI 11.01.01-11.12.31.

n= 307



INFARCT RELATED ARTERY

n= 307



REVASCULARIZATION METHOD

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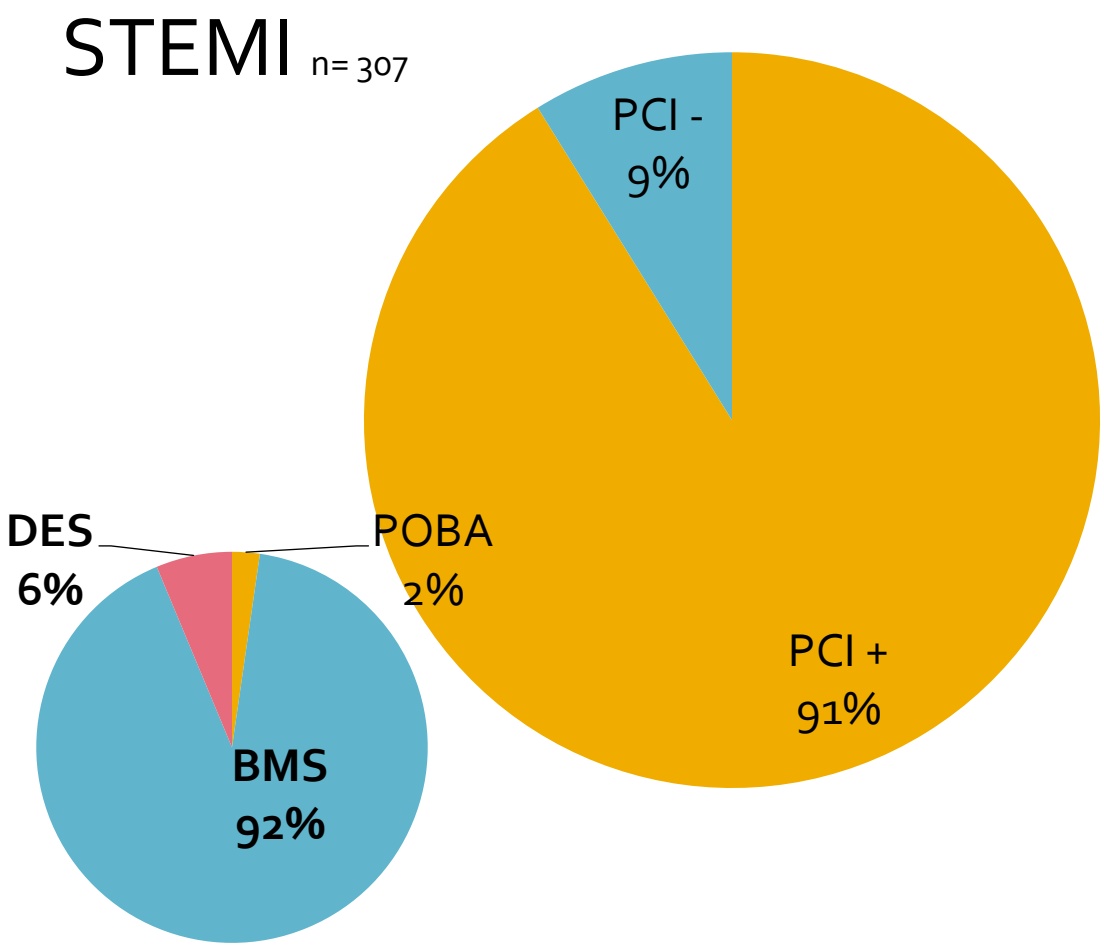

Therapeutic escalation rate

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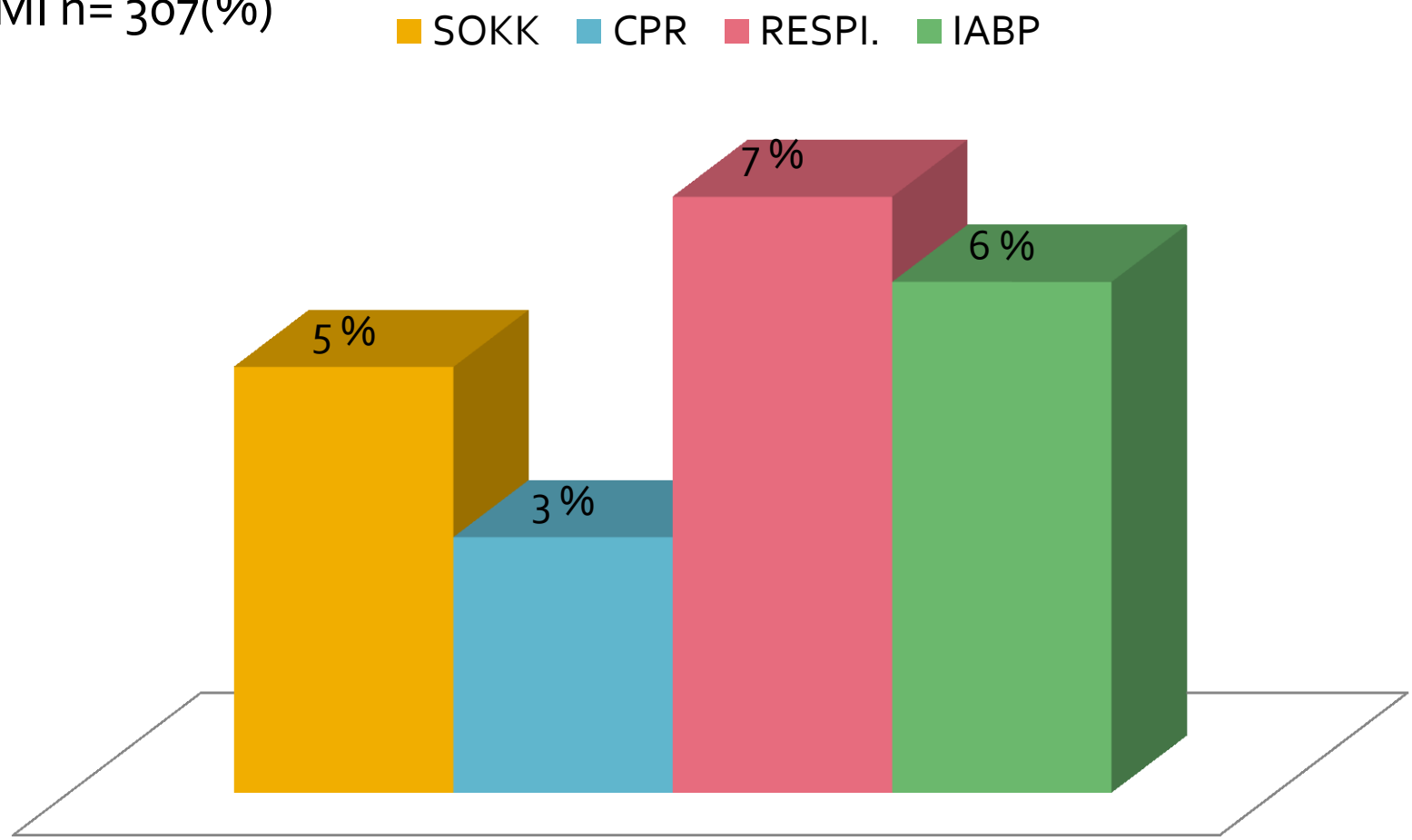
STEMI n= 307(%)



MEDICAL TREATMENT

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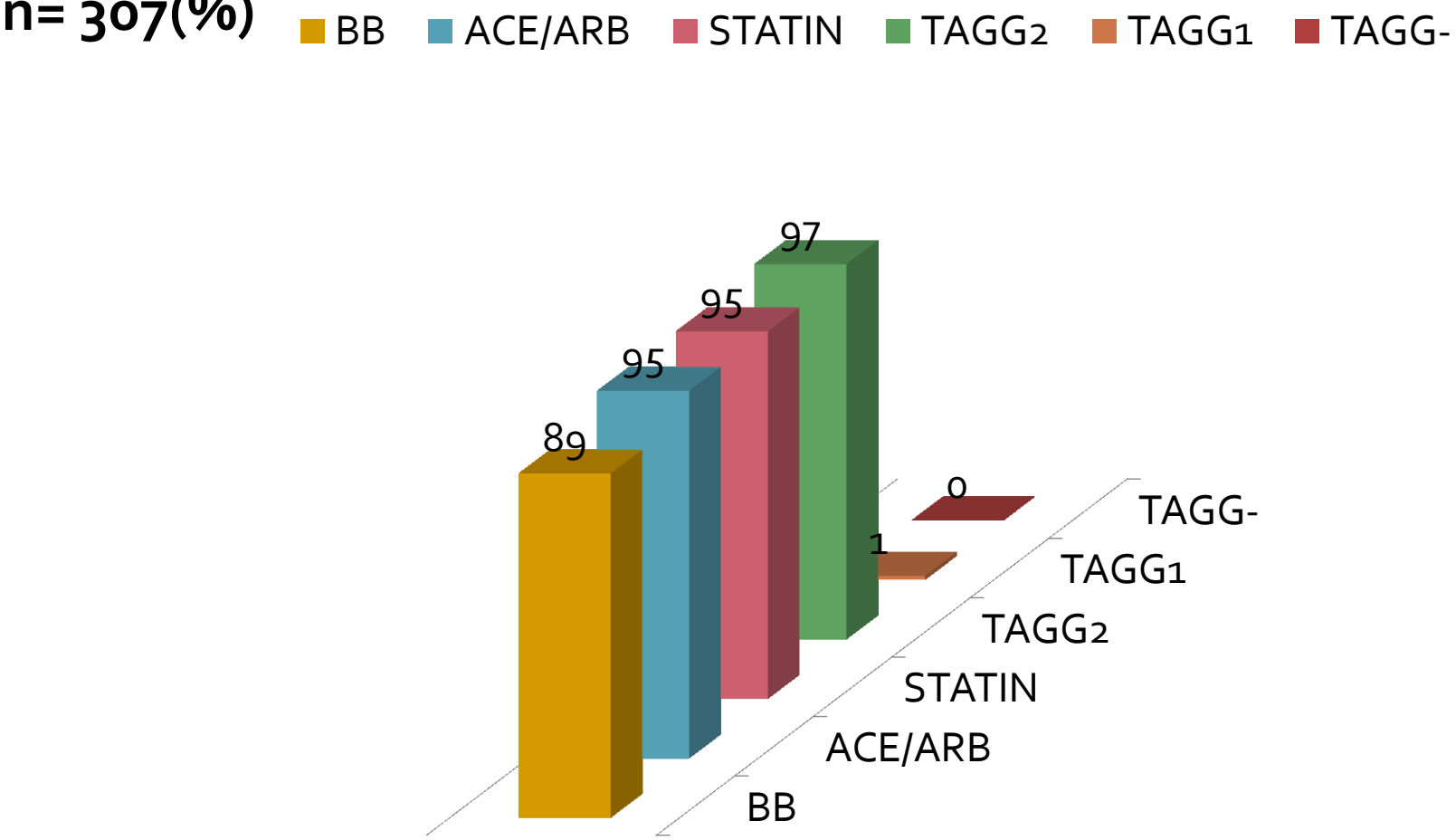
n= 307(%)



In hospital mortality rate

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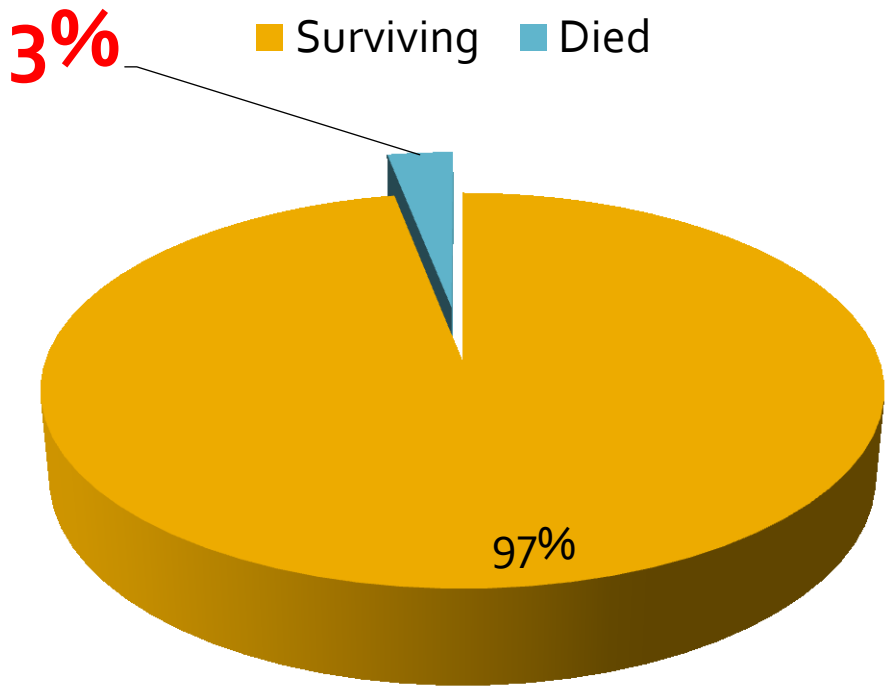
STEMI n=307



DEPARTURE FROM THE HOSPITAL

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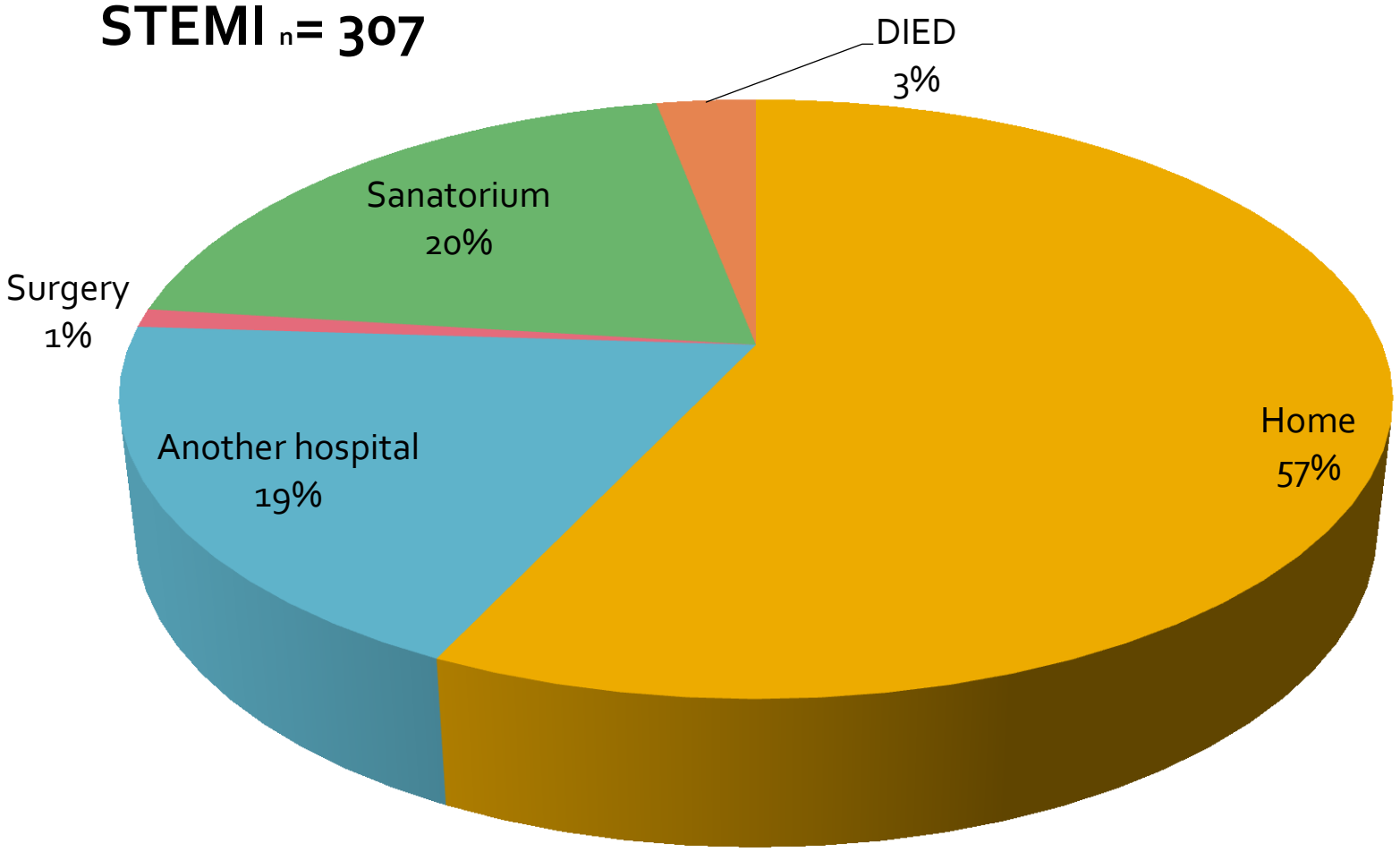
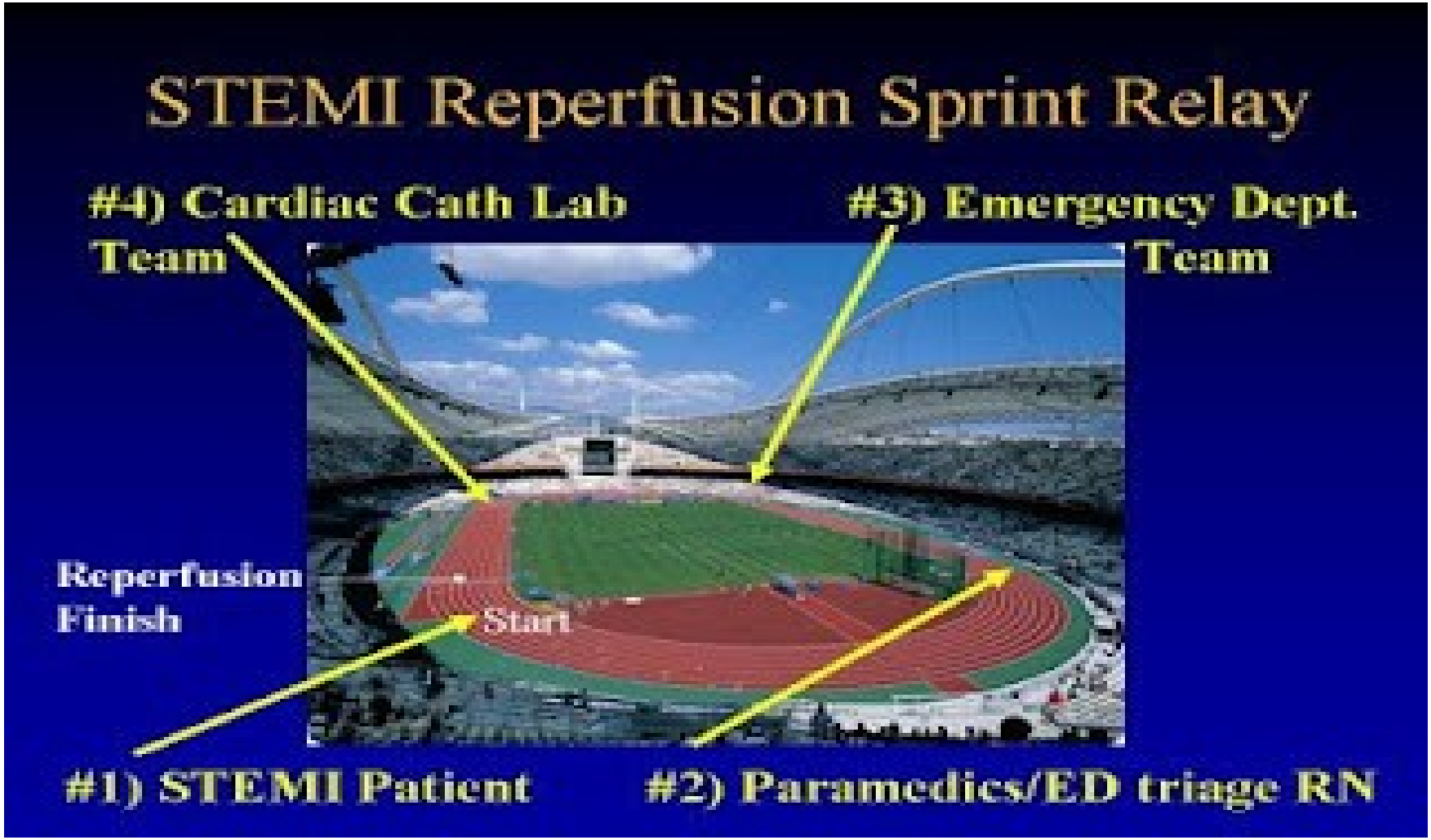


STEMI SYSTEME: *„sprint for myocardium"*



START: FIRST MEDICAL CONTACT

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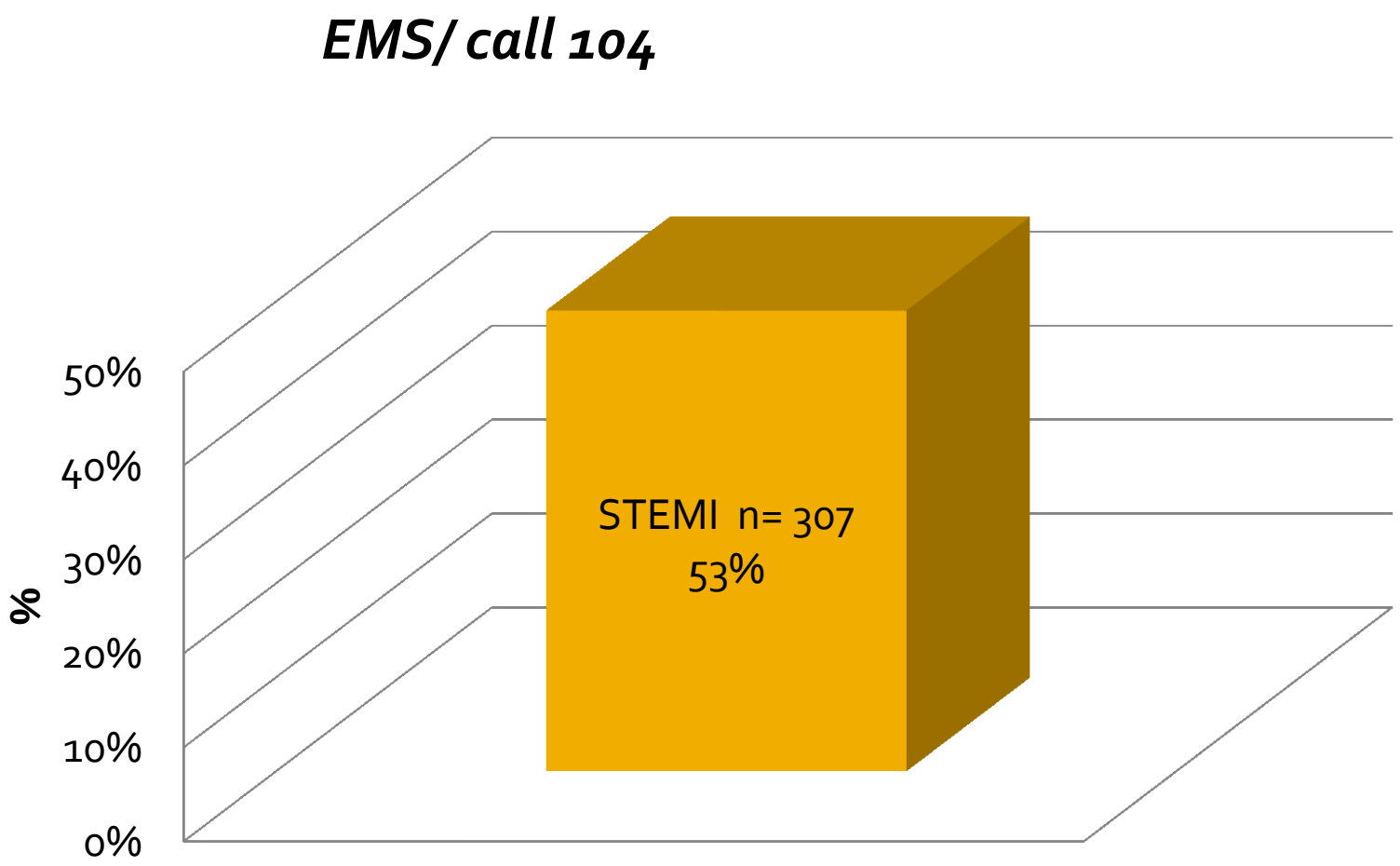

TRANSPORT: *SPRINT VS. WALKING*

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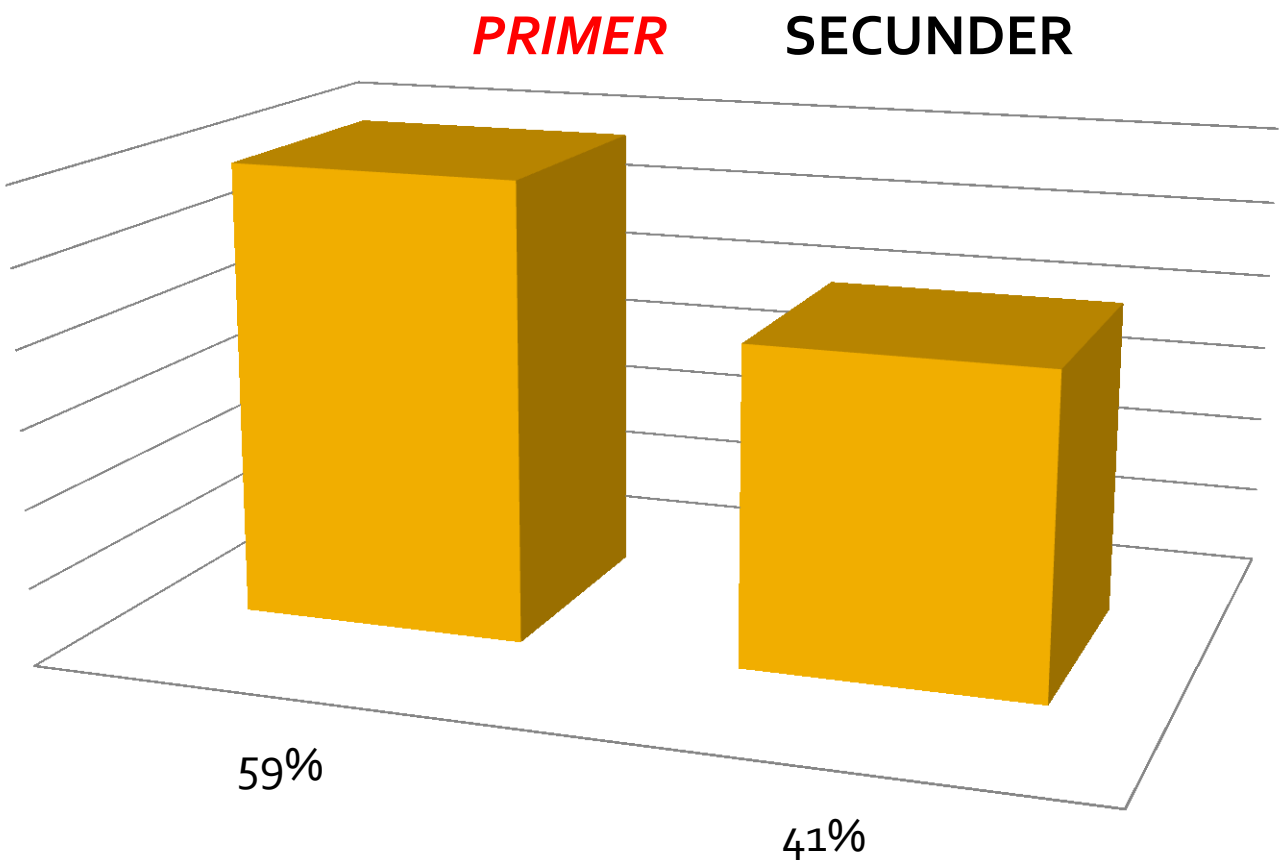

STEMI MEDIAN TRANSPORT DELAY

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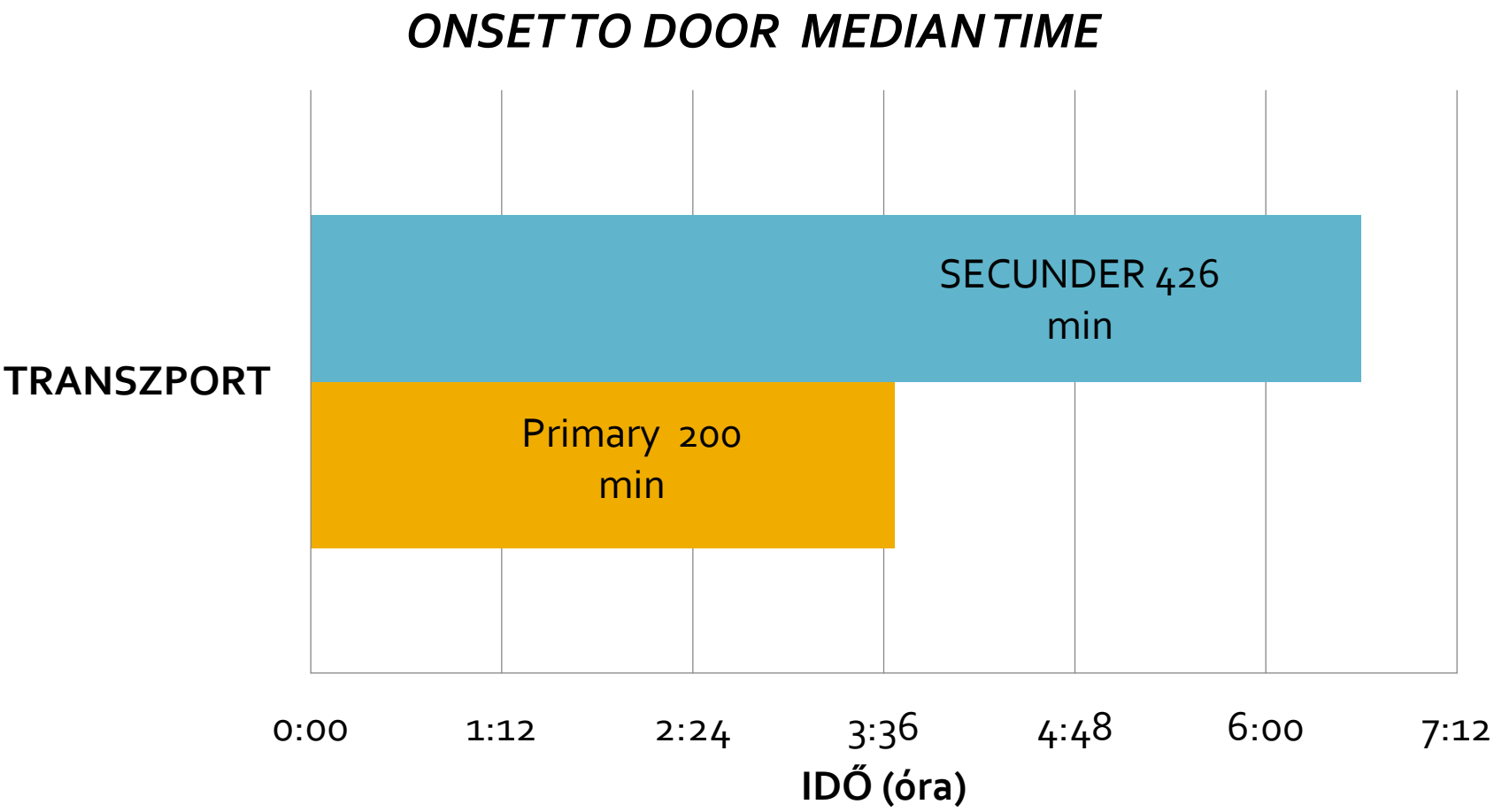

STEMI MEDIAN DOOR TO BALLOON TIME

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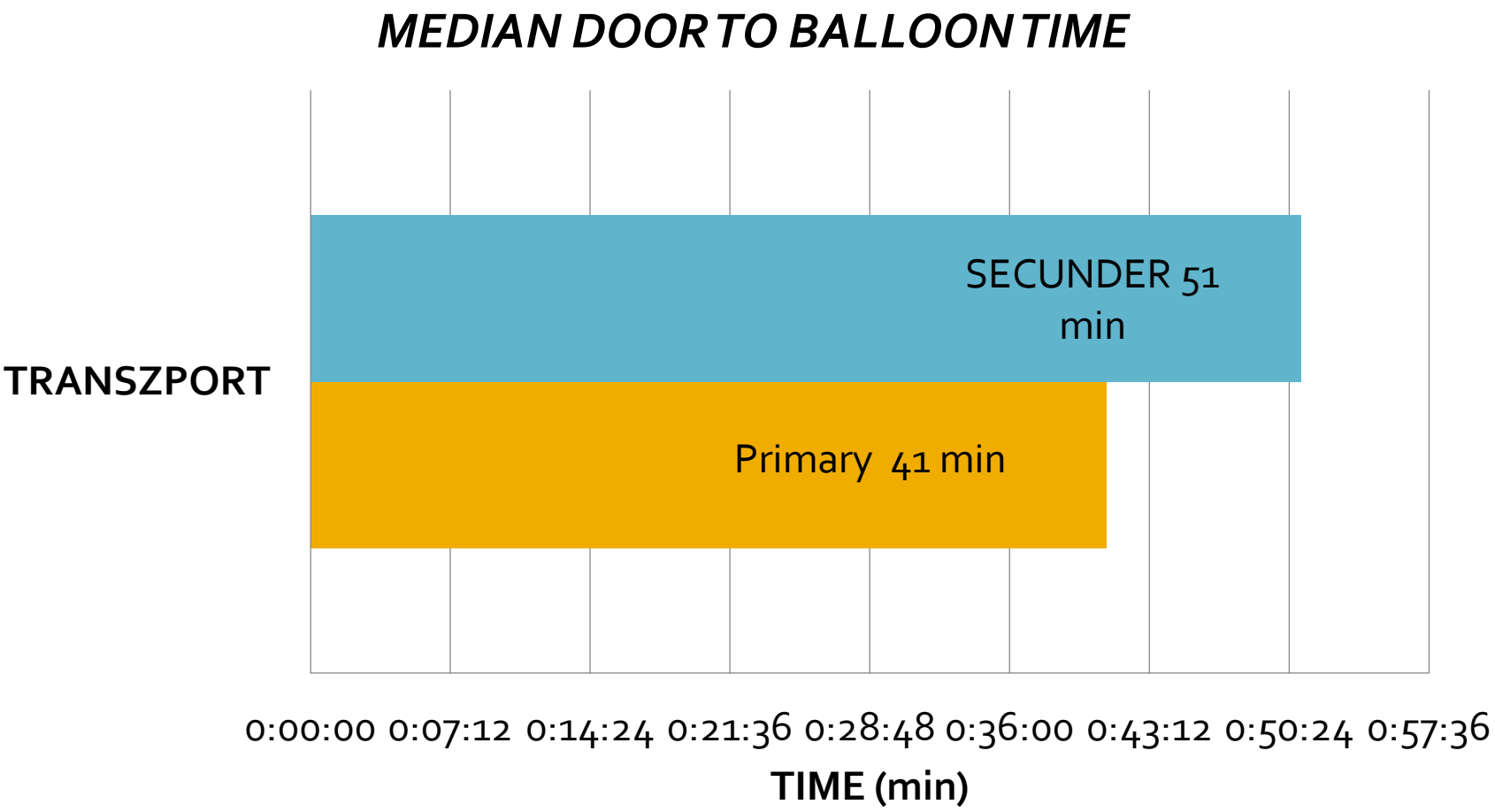
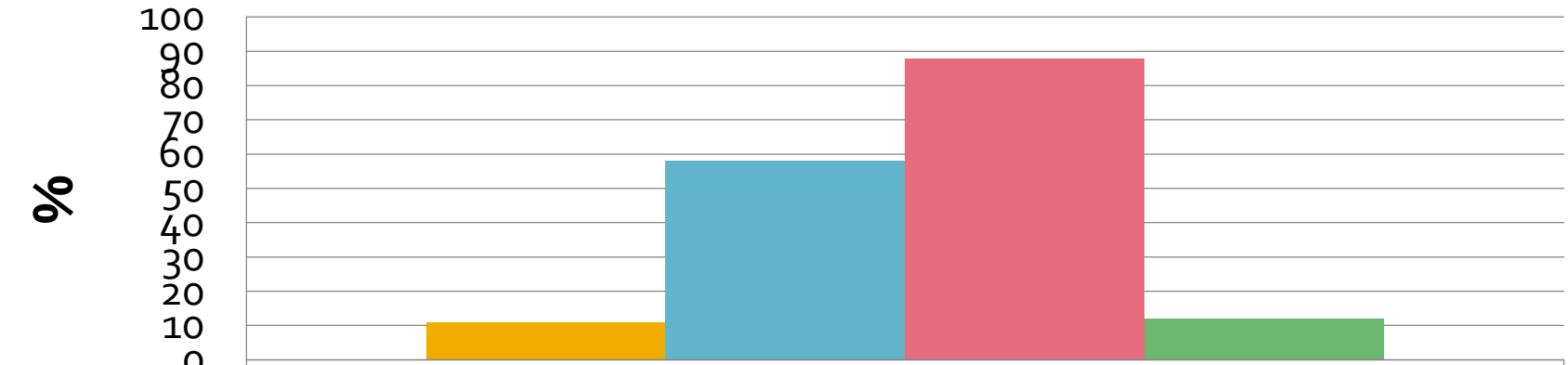


STEMI D2BT rates

Infarct Registry GOKI 11.01.01-11.12.31.

N= 307



	Kategória 1
D2B=0-30	11
D2B=0-60	58
D2B=0-90	88
D2B>90	12

- ⇓D2B from 90 to 60 minutes associated with ⇓0.8% Mortality
- ⇓D2B from 60 to 30 minutes associated with ⇓0.5% Mortality
- *(Rathore et al, 2009 BMJ 338:b1807)*

STEMI TRANSPORT AND MEDIAN TOTAL DELAY („*onset to balloon*")

INFARCT REGISTRY GOKI

11.01.01-11.12.31

„ Real world"

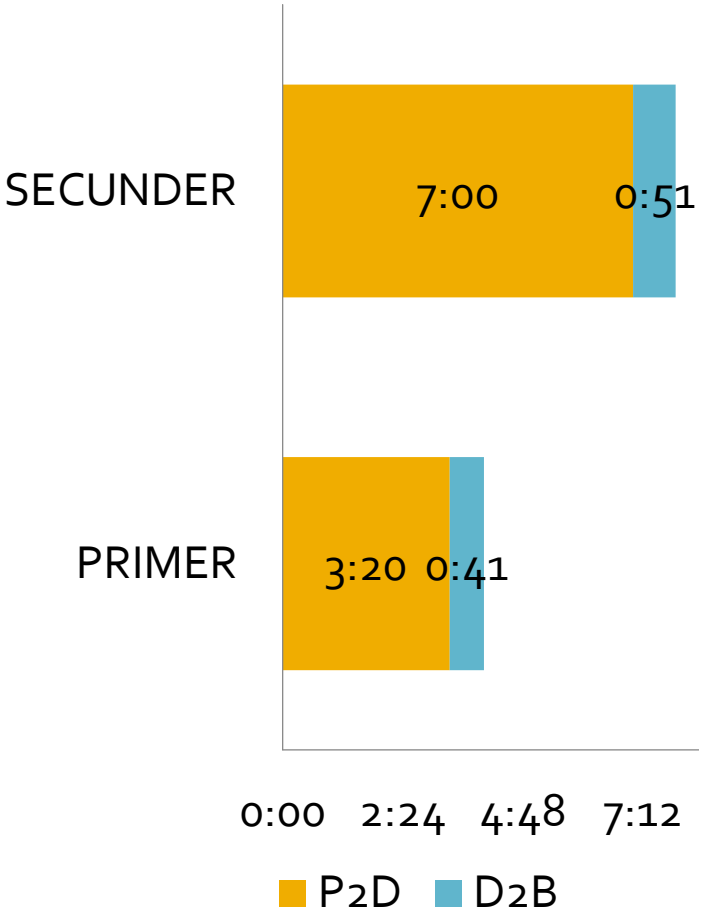
- **PRIMARY TRANSPORT: 220+41= 261 min**
- **SECUNDER TRANSPORT: 426+51= 477 min**

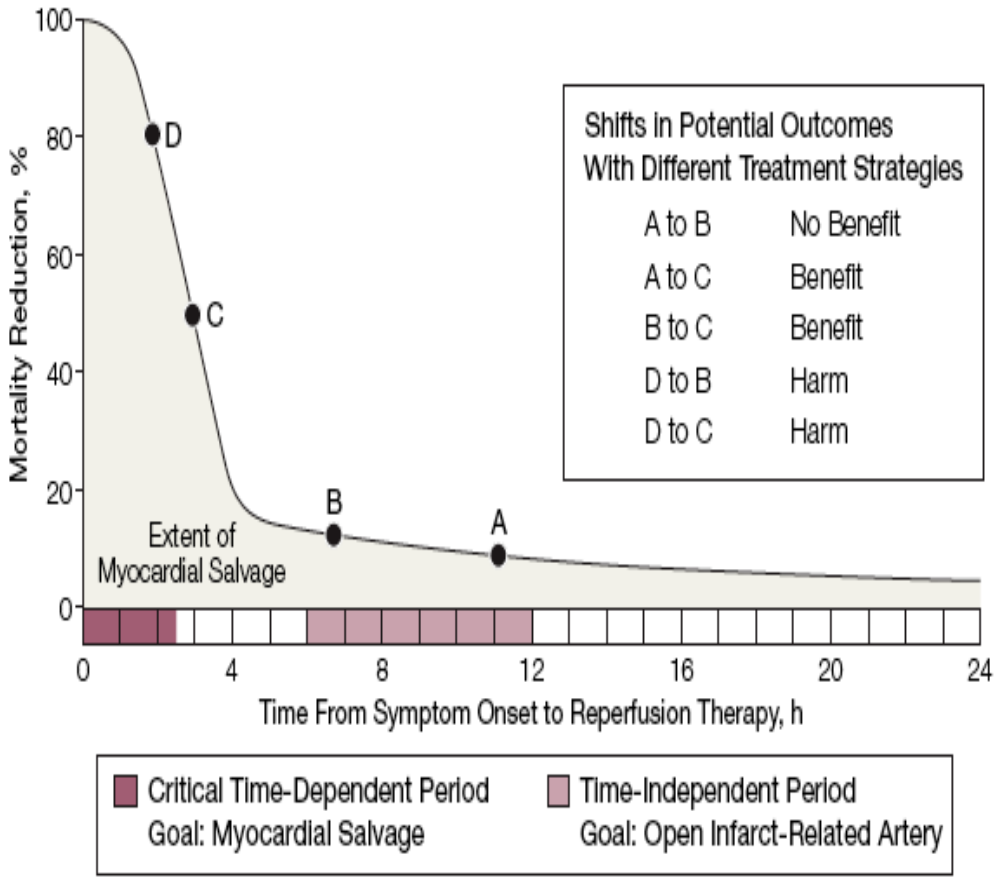
Primary vs. Secunder : 216 min

„ Ideal world"

STEMI SYSTEME: WHAT'S THE GOAL?

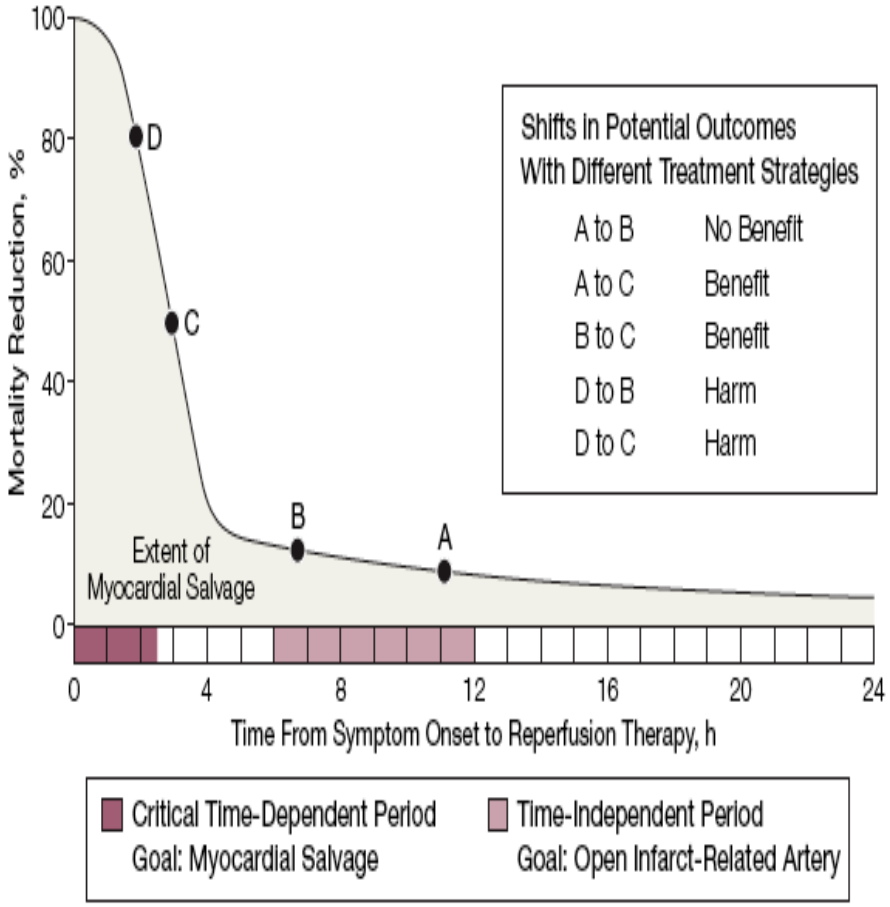
„MYOCARDIAL SALVAGE"

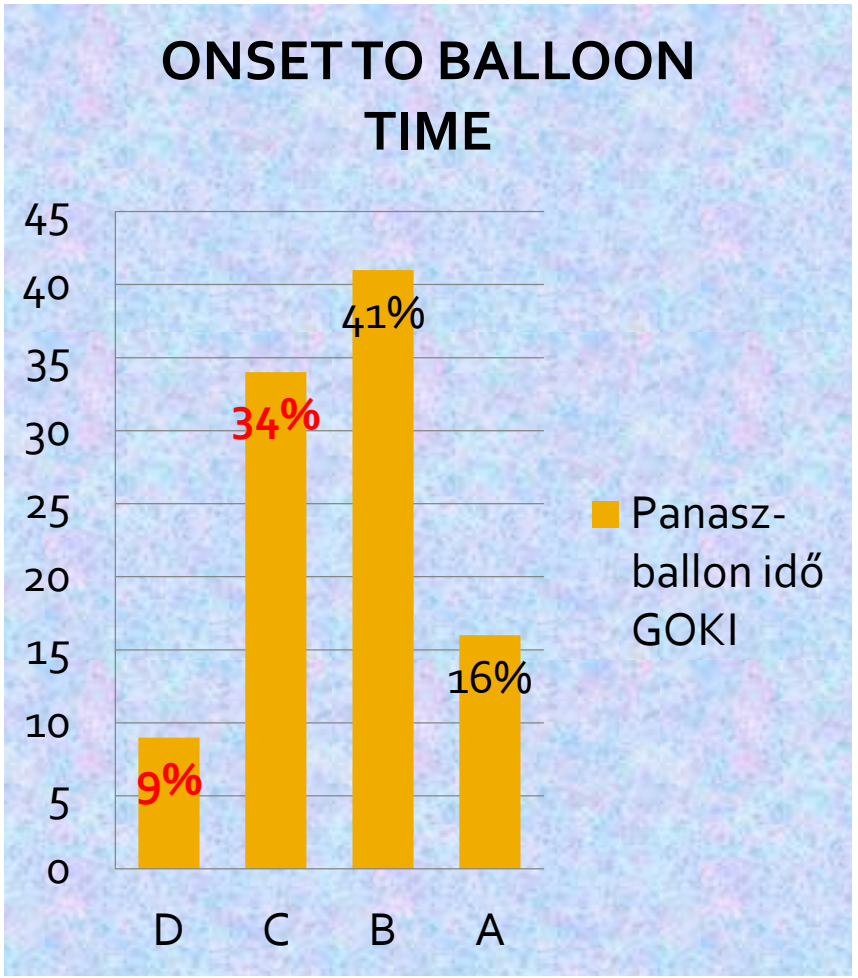




„The Slope of the Curve" SLOPE UP!!!!!

(Gersh, B 2005 JAMA 293:979)





„Time waits for no one…..“

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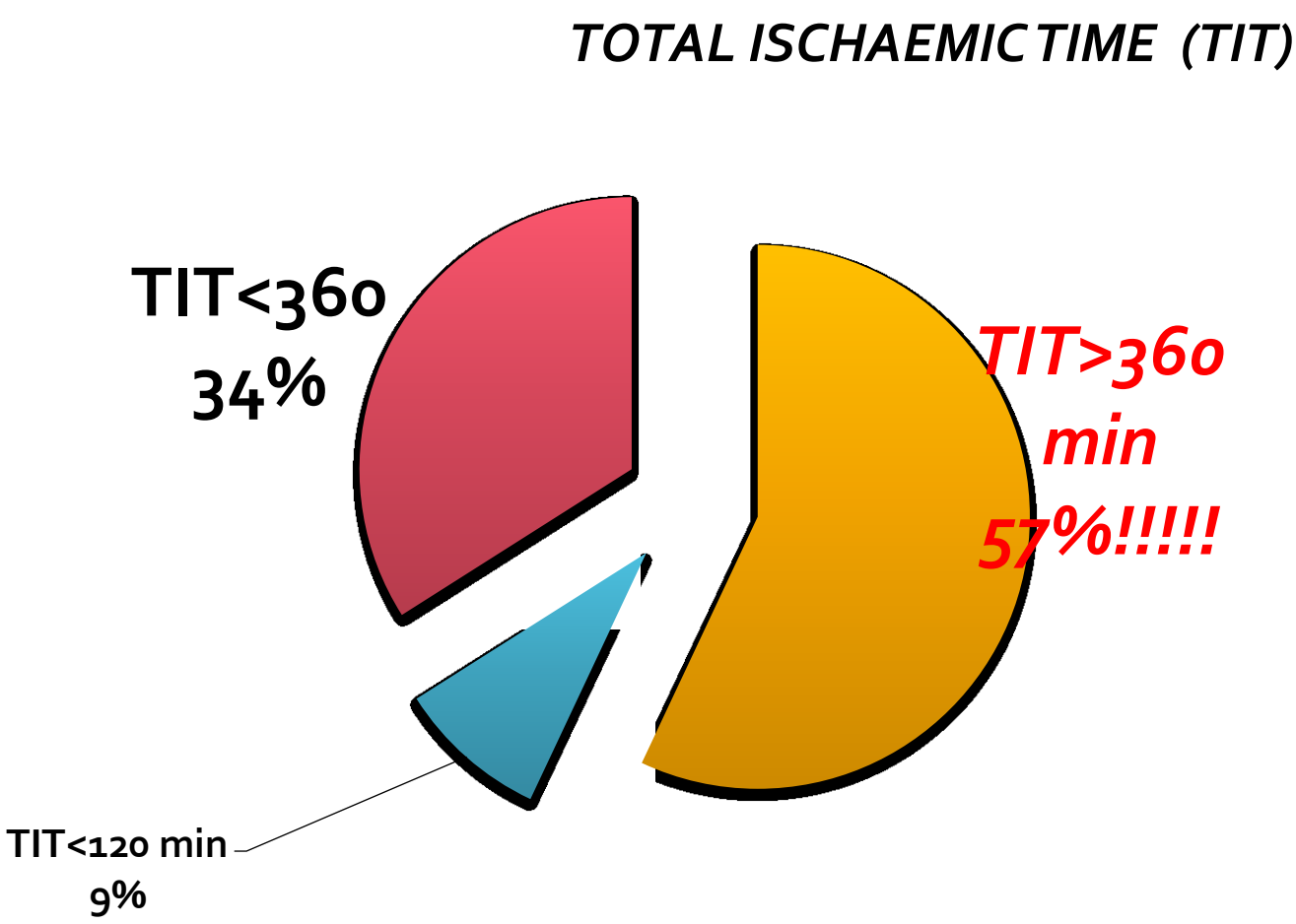

Infarct Registry GOKI: MESSAGE
01.01.11-12.31.11

- The need to shorten delays and to improve the quality of care for STEMI pts. is urgent.
- Prehospital management is a key issue.
- ***In hospital mortality rate and the treatment characteristic of patients with STEMI were comparable with data of similar high volume center.***

Thank you for your attention!
National Infarct Registry