



# The Pilot Trial of Inter-hospital Transport of patients with ST-Elevation Myocardial Infarction for Primary Percutaneous Coronary Intervention

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# Background

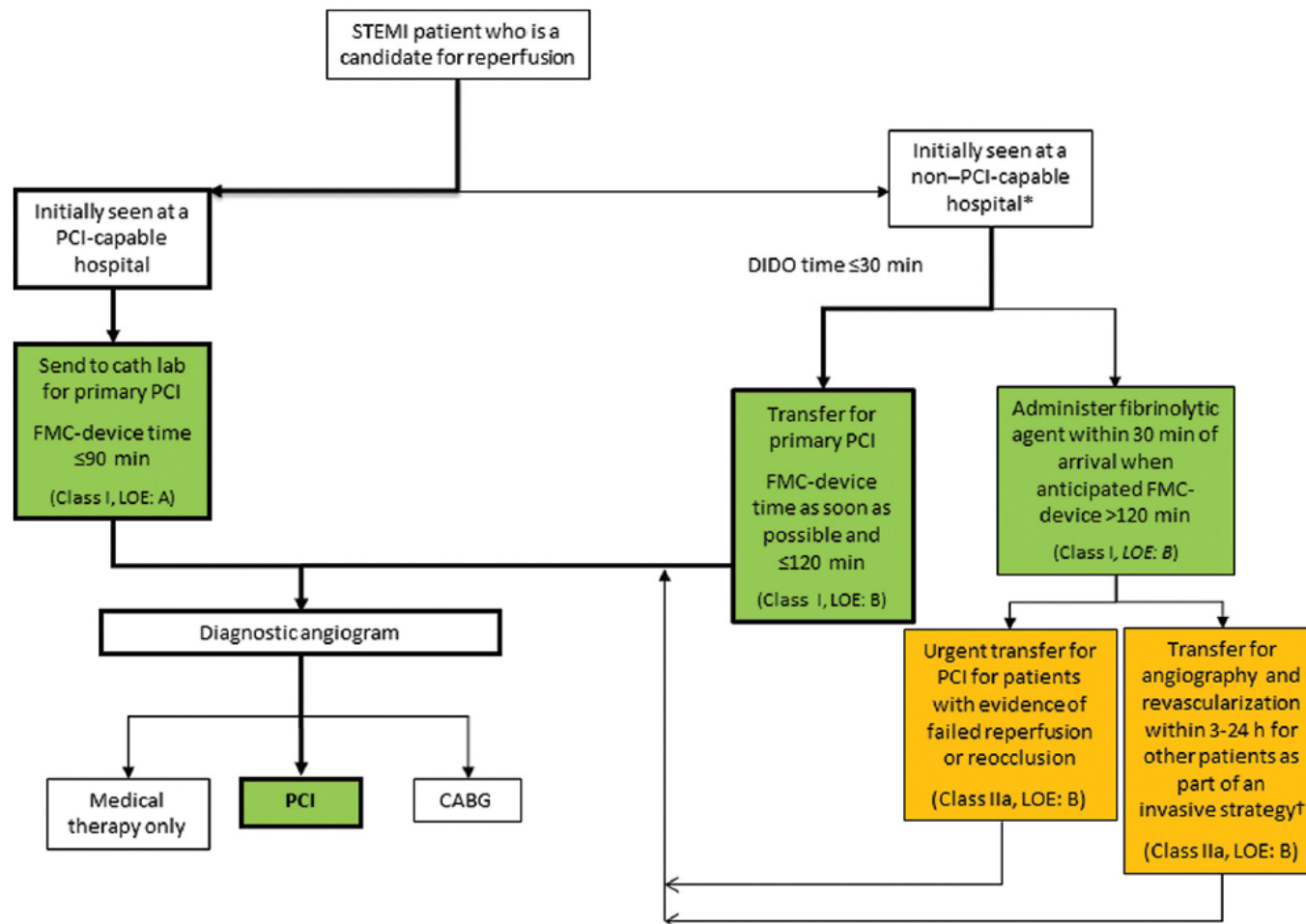
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- TSWH AED service: 8 hour (Mar 17-18)
- Average Daily Attendance in 2017: 173
- TSWH - Non-PCI capable
- In collaboration with Cardiology Team, TMH
- Transport-PPCI trial for STEMI
- Feasibility of matching international standard in a regional A&E

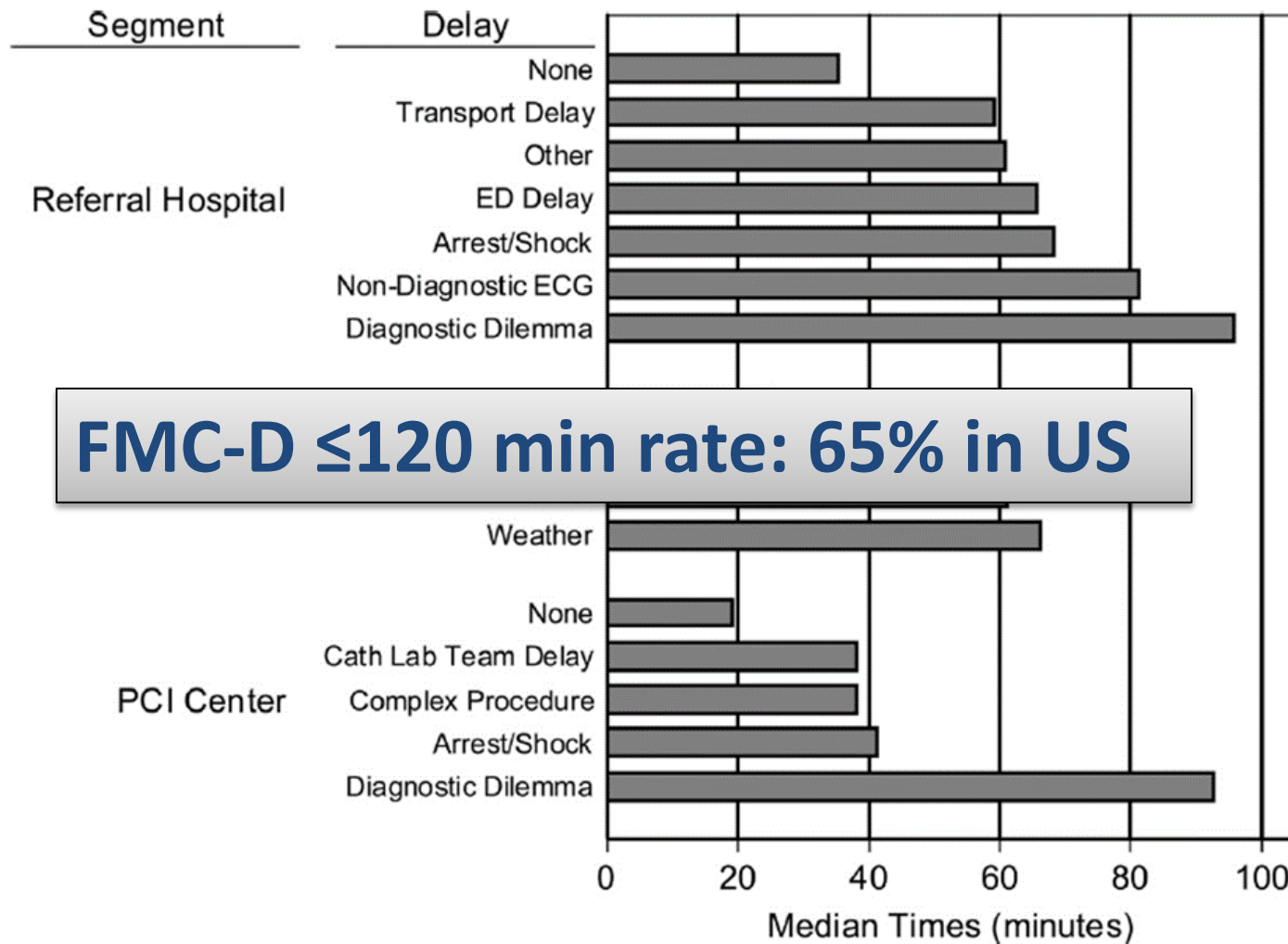


# Reperfusion therapy for STEMI

O'Gara et al 2013 ACCF/AHA STEMI Guideline



# Causes of Delay



# Results (4/17-2/18)

- 71% achieved target FMC-D time
- 30-day survival = 100%
- 2 post- cardiac arrest cases
  - ROSC-PCI time: 60 min, 113 min (AHA:  $\leq 120$  min)
- Overall success rate: 78% ( $\leq 2$  hours)

FMC-D Time(min)	Remarks
89	
90	
98	
110	
231	Equivocal ECG
160	CT to exclude aortic dissection
93	

# Key Elements for Transport-PPCI

- Door-to-ECG time <10 min
- Prompt & Accurate Dx
- Single call activation
- Fax ECG
- EARLIEST ambulance booking
- Defibrillator, Adequate Drugs & Dr escort
- Call admission and hold lift
- Quality review and feedback

如閣下懷疑自己心臟病突發:

**If you think you're having a heart attack:**

胸口有翳悶、  
壓迫感或心絞痛

**Chest tightness, Chest pressure & Chest  
discomfort**

請立即通知分流站護士

**Please inform Triage Nurse at once**

Time is 

