

Table 1.0: Data analysis pre- and post-interventions

Table 1.0	Pre-intervention	Post-intervention 1 (6 months)	Post-Intervention 2 (12 months)
Number of patients with a confirmed diagnosis of STEMI and receiving thrombolysis (n=)	30	25	23
Appropriate STEMI management as per ACC guidelines			
Mean door-to-needle time (minutes)	37.3 (15-105)	32.36 (10-90)	30.96 (15-77)
Door-to-needle time in ≤ 30 minutes (% patients)	43	64	74
P value for Door-to-needle time in ≤ 30 minutes	<0.05	<0.05	<0.05
Nursing and Doctor review times (minutes)			
Mean waiting time from nursing triage to 1st doctor review	13.5 (0-70)	5.89 (0-30)	6.87 (0-35)
Mean waiting time from 1st doctor review to thrombolysis administration	23.2 (5-90)	25.25 (10-68)	24 (10-76)
1st doctor assessment in ≤ 5 minutes from arrival to CCU (% patients)	43	72	70
Thrombolytic therapy administered in ≤ 20 minutes after 1st doctor assessment (% patients)	43	52	65
Secondary prevention of MI			
Mean number of cardiac medications prescribed (Clexane, Aspirin, Clopidogrel/Ticagrelor, Beta blocker, ACEi, Statin and Nitrate)	5.04	4.25	5.96
Mortality (% of patients)			
All-cause in-hospital mortality	17	8	8.7

Figure 1.0: Comparison of the door-to-needle and clinician assessment times in STEMI patients from the pre- and post- intervention groups

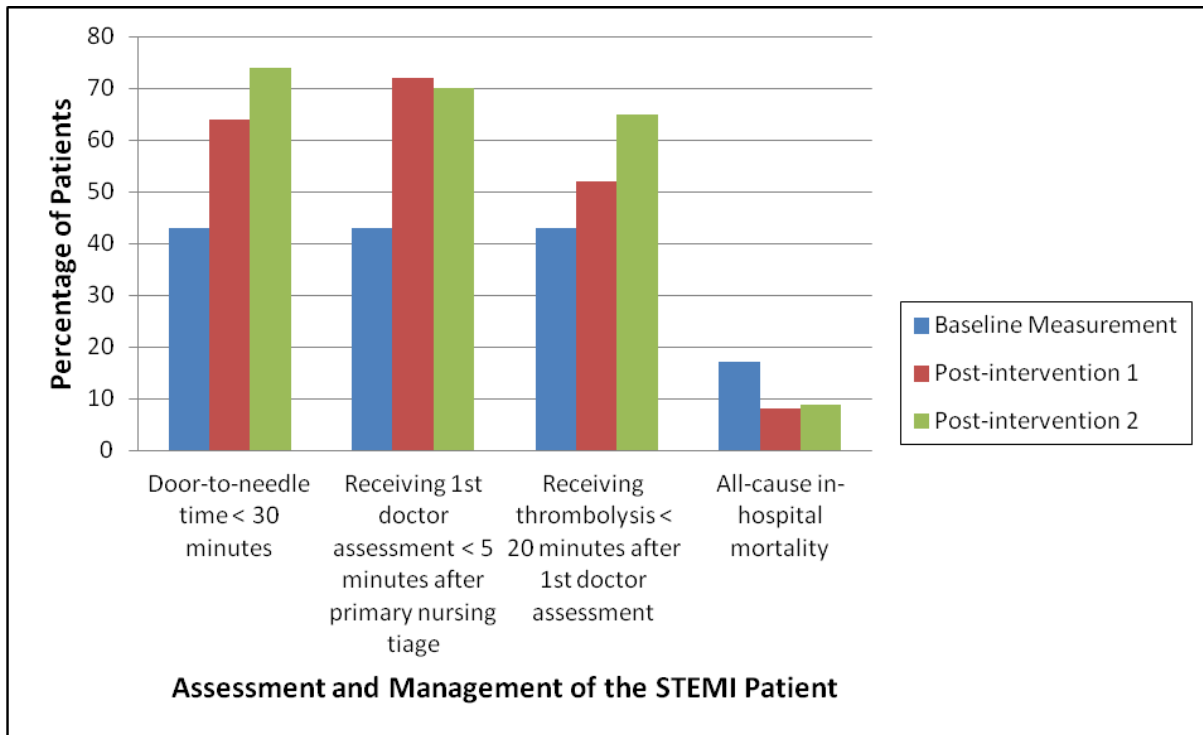


Figure 2.0: Run chart to demonstrate change in door-to-needle times between the PDSA 1 + 2 and 3 + 4 data sets. Median door-to-needle time for baseline data (35 minutes) included.

