

**00275 To Achieve a Turnaround Time of <60 Minutes in 100% of Patients Prescribed Continuous Opioids Infusion for Moderate to Severe Pain/dyspnea in Singapore General Hospital, Ward 78**

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**Aims:** To achieve a turnaround time of < 60 minutes in 100% of patients prescribed COI for moderate to severe pain/dyspnoea in Singapore General Hospital, Ward 78.

**Methodology:** Baseline data was collected from April-May 17. A total of 21 patients was started on COI, of which 57.14 % had moderate to severe symptoms. Out of these patients, only 33.33% had COI set up within 60 minutes. Common causes of delay at each stage of the process were delineated, and brainstorming of possible interventions was done by the study team consisting of a doctor, palliative care nurses, ward nurses and a pharmacist. As this is a quality improvement project, Plan-Do-Study-Act (PDSA) cycles were used to test the effectiveness of each intervention.

**Result:** A total of 4 interventions targeting nursing, pharmacy and medical workflows were tested since 25/07/17. The fourth intervention, which included a standardized nursing workflow and providing reminders for nurses via flowcharts placed at medication carts, resulted in improvements in time taken for administration of COIs. 66.6% of patients had COIs started within 60 minutes from time of intervention 17/09/17 till 17/11/17. A post-intervention survey was then conducted to gather feedback and determine knowledge of the workflow among ward nurses. The workflow was then modified and we achieved the turnaround time of < 60 minutes for all patients as of 15/1/18.

**Conclusion:** Having a standardized workflow and reminders for nurses at highly visible areas such as medication carts displayed effectiveness in reducing COI turnaround time in patients with severe to moderate symptoms.