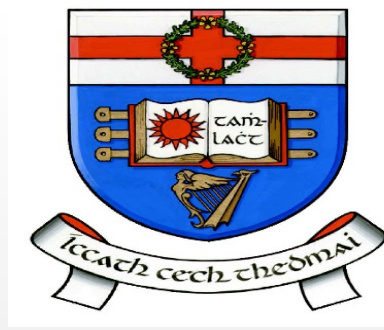


The Emergency Response System In Tallaght Hospital



**Anne-Marie Barnes
Emergency Response System Co-ordinator
Tallaght Hospital**



Introduction

- **Background to the development of the ERS**
- **What is Tallaght hospital's Emergency Response System?**
- **Emergency Response Team Activity**
- **The role of Anaesthetic & Recovery Room Nurses.**
- **Developments**
- **Proposed future development**

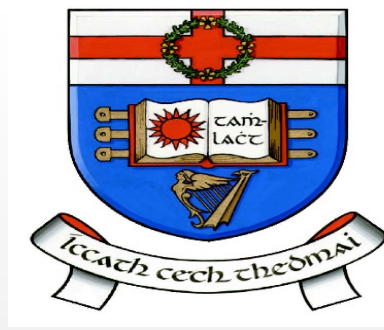
Tallaght Hospital Capacity 2015



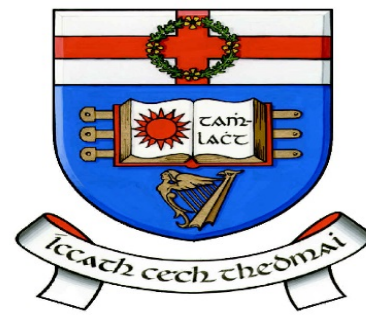
- **561 Adult beds**
- **45,551 Adult ED Attendances**
- **18,166 Adult Inpatients**
- **32,482 Adult Day Cases**
- **254,305 Adult outpatient appointments**



Tallaght Hospital Emergency Response System

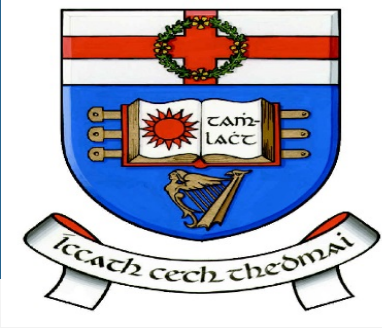


Early Warning Score Observation Chart



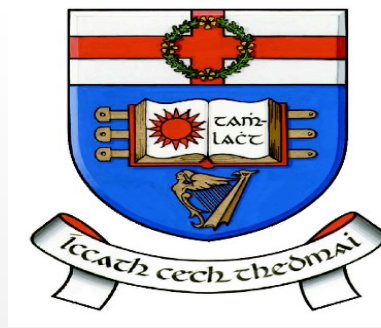
- **Commenced on patient referral for specialist review in ED (*ED Specific escalation protocol*)**
- **Utilised in all acute adult in-patient areas**
- **Remains with patient throughout hospital stay.**
- **On admission to the Day of Surgery Admission (DOSA)**
- **On admission to the Surgical Day Ward**
- **Reactivated On discharge from Theatre & Higher Level of Care**

Use of Early warning Score (EWS) Observation Chart in Recovery Room



- **Once patient meets the Recovery Room discharge criteria.**
- **Final set of observations documented on EWS.**
- **Oxygen prescribed in Oxygen Therapy Prescription & Administration Record.**
- **Parameter label completed and placed in parameter section.**
- **Standard Operating Procedure governs use in Recovery Room.**
- **Patients with elevated EWS to be reviewed prior to discharge**

Post Operative Parameters



Post operative patients only: 12 hours post operative only						
Physiological Parameter	Date	Time	Range	Rationale	Review Date	
Inspired O ₂			≤ 40%	Post Operative	12 h	As per EWS Recovery Room Discharge Protocol
A.V.P.U			V = 0	Score a Verbal Response as Zero Patient should respond normally to voice i.e. Normal cognitive response	4 h	

ISBAR Communication Tool



- **Structured Communication Tool**
- **Used when contacting medical teams in relation to an escalation of EWS**
- **I Identify yourself and the healthcare professional you are speaking to.**
- **S Situation you are calling about.**
- **B Background and admission history.**
- **A What is your assessment of the situation.**
- **R Recommendations what you want the doctor to do.**

Emergency Response Team



Before the Emergency Response System

- **Anaesthetic/recovery nurse assistance requested by Anaesthetist**
- **Medical Emergency Trolley established**
- **Record of Calls**
- **Analysis of data**





Emergency Response Team



- **Team Members**
- **Roles and Responsibilities**
- **Hours of operation**
- **Documentation**
- **Hand over**
- **Debrief**
- **Audit**

Emergency Response Team Activity levels 2013-2015



- **Total calls:** **1675**
- **Total number of patients:** **1275**
- **Disposition post ERT call:**
 - 77% Remained on ward**
 - 23% to higher Level of care**
- **Outcomes for all patients:**
 - 68% Discharged home**
 - 31.8% Died in Hospital (77% End Of Life Decision)**
 - 0.2% Remain inpatients**

Emergency Response Team Activity levels 2013-2015

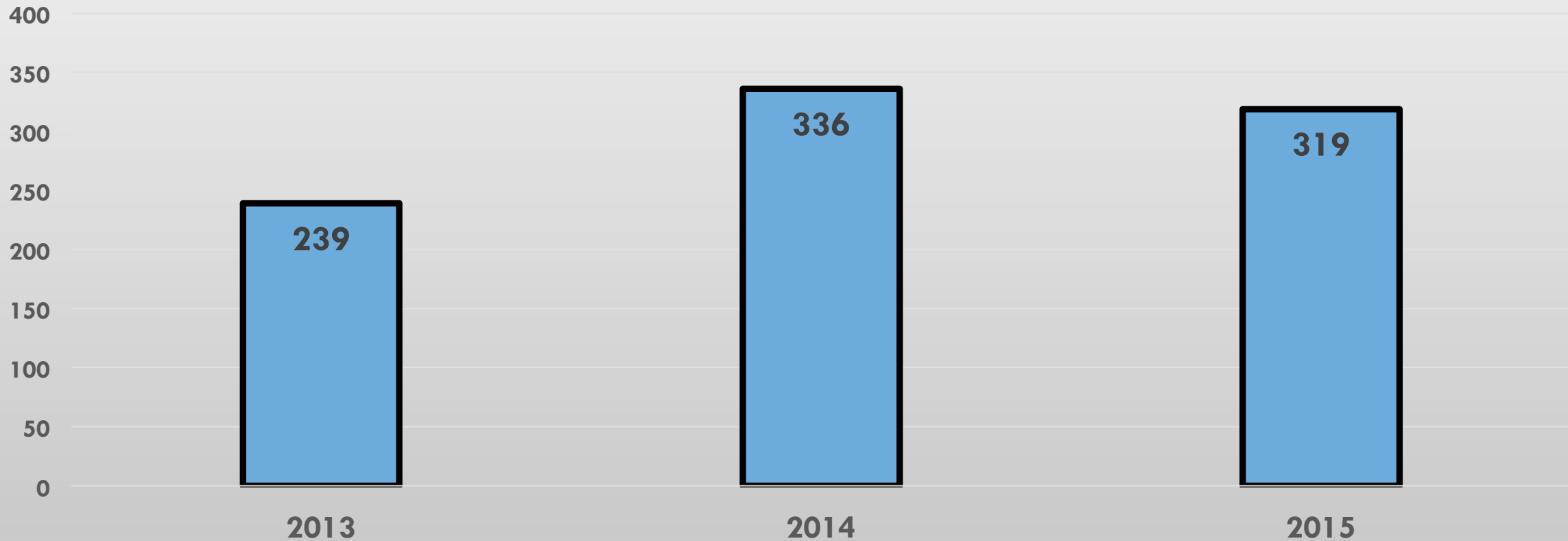


- **Calls within core working hours : 25%**
- **Calls out of hours and weekends: 75%**
- **Medical patients: 65%**
- **Surgical patients: 35%**
- **Male to Female ratio: 53:47**

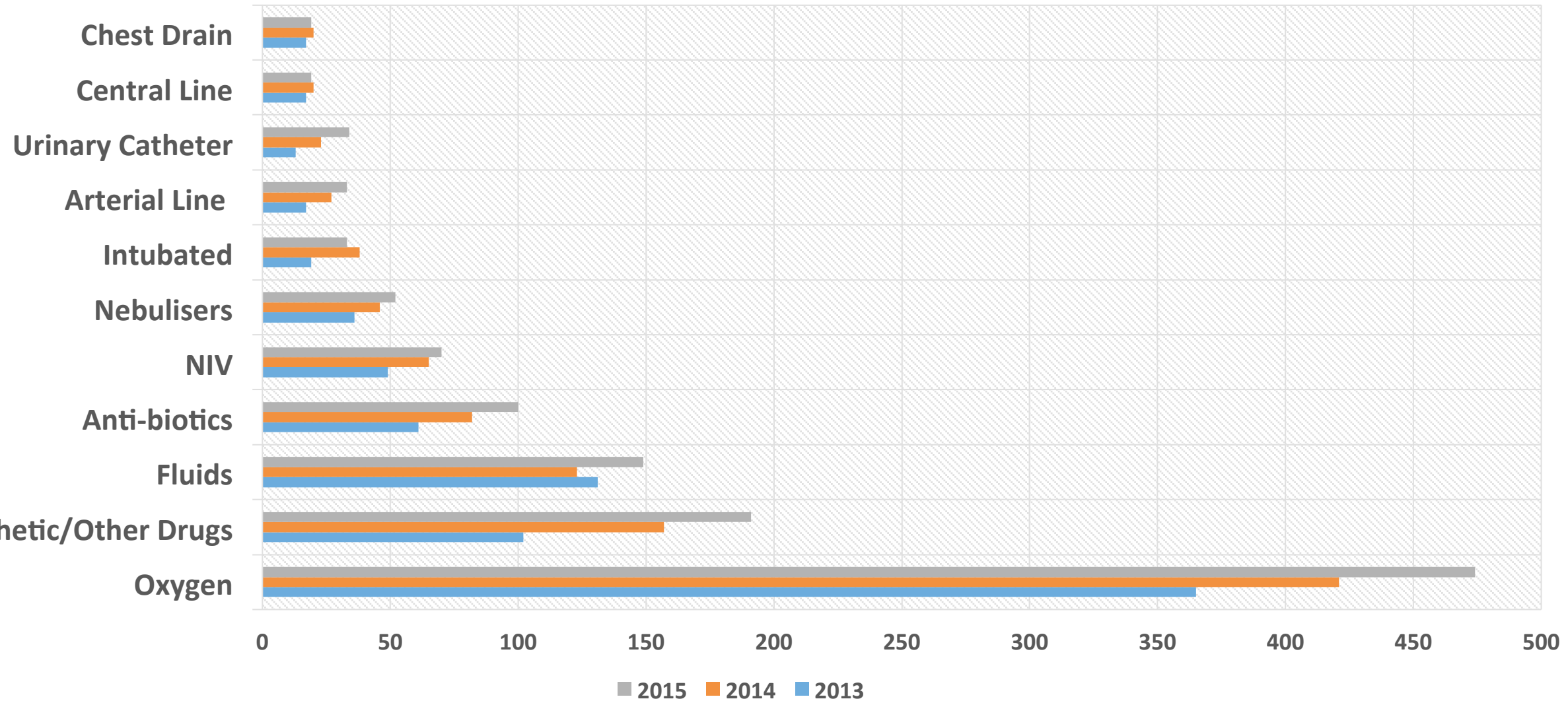
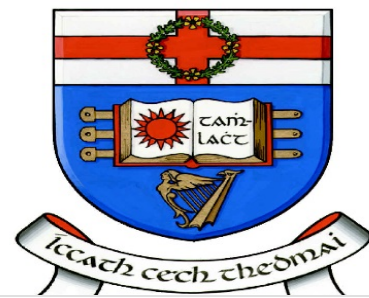
Implications for Anaesthetic & Recovery Room nursing staff



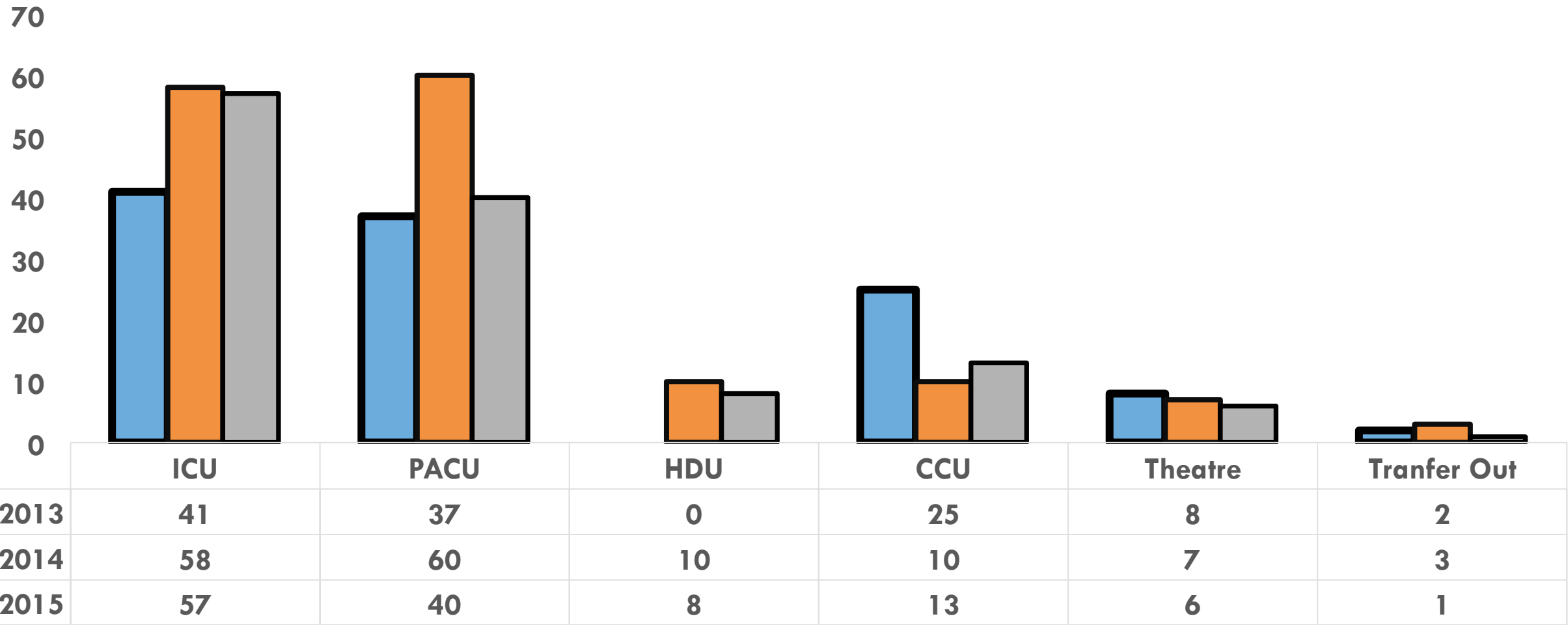
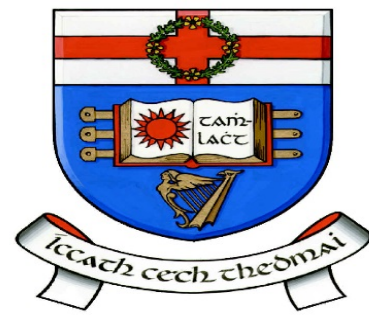
Time spent at ERT calls by nursing staff
(in hours)



Interventions carried out by ERT



Higher Level of Care admissions

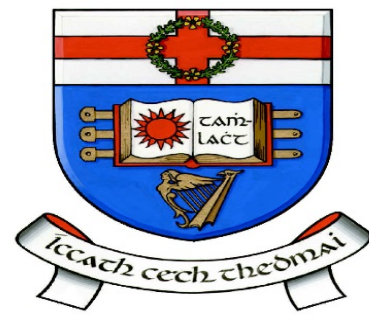


Current and future developments

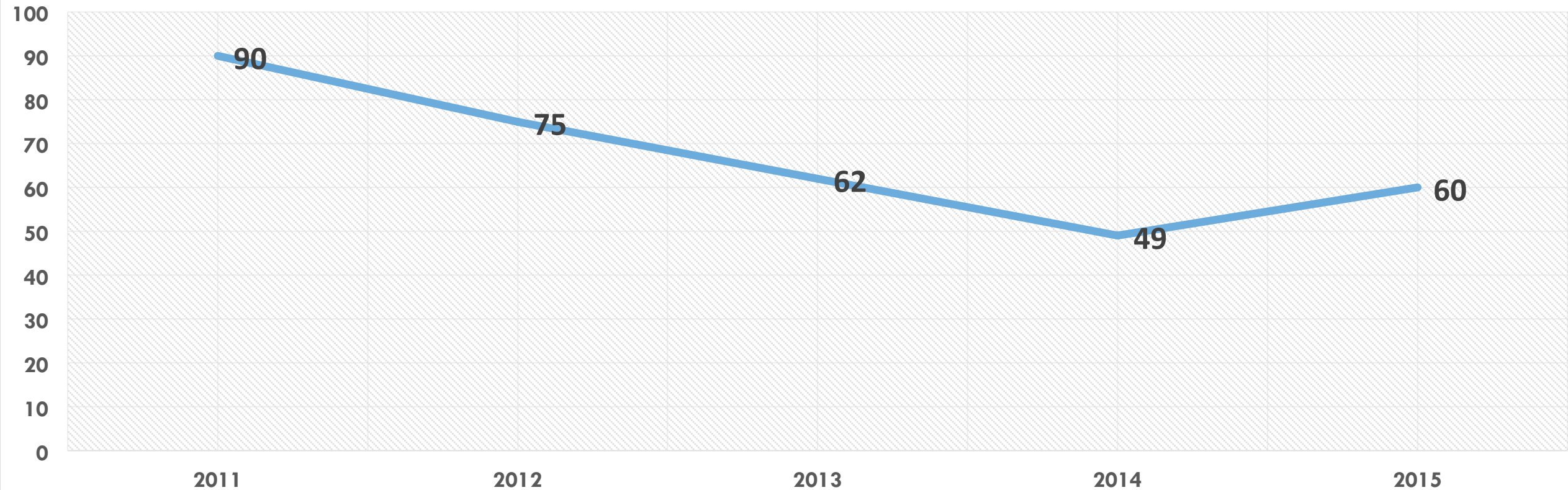


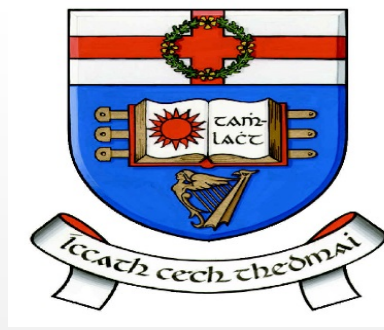
- **2 High Dependency beds opened in CCU**
- **Critical Care Outreach nursing service**
- **Development of 2 day education programme**
- **Introduction of a Resuscitation and Treatment Escalation Plan**
- **Clinical Support Nurse Manager at night**

In Summary



In-patient Cardiac Arrest Rates 2011 -2015





“Cardiac Arrest Teams are the ambulances at the bottom of the cliff. Emergency Response Systems are the fence around the top of that cliff”

www.wellington ICU.com

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**The Emergency
Response System
Nursing Team
Tallaght Hospital**

