



NOVAERUS
Airborne Infection Control

Novaerus – Leopardstown Park Hospital Experience



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Mr Gerard McEntee

Assistant Director of Nursing

Over thirty years experience in Health Care provision, twenty nine of which were in various NHS organisations.

Previously worked as a Service Manager for large NHS Trust in England and gained valuable experience of electronic health record systems.



Leopardstown Park Hospital

- 171 bed Older Persons Hospital.
- Comprises long term, respite and rehabilitation facilities.
- In excess of 200 patients that attend day care facilities.





Implementation of the Novaerus System



Odour issue in nightingale ward due to patient suffering with leg ulcers.

Conducted 2 week trial using NV200 portable units in June 2011.

Found immediate reduction in odours.



Results - Reduction in staff costs

A **46% reduction in staff sickness** in Ward A within first year – in comparison with wards B,C & D.

Average 12 hour agency shift is approx. €200.

Average 46%+ reduction in Agency Costs

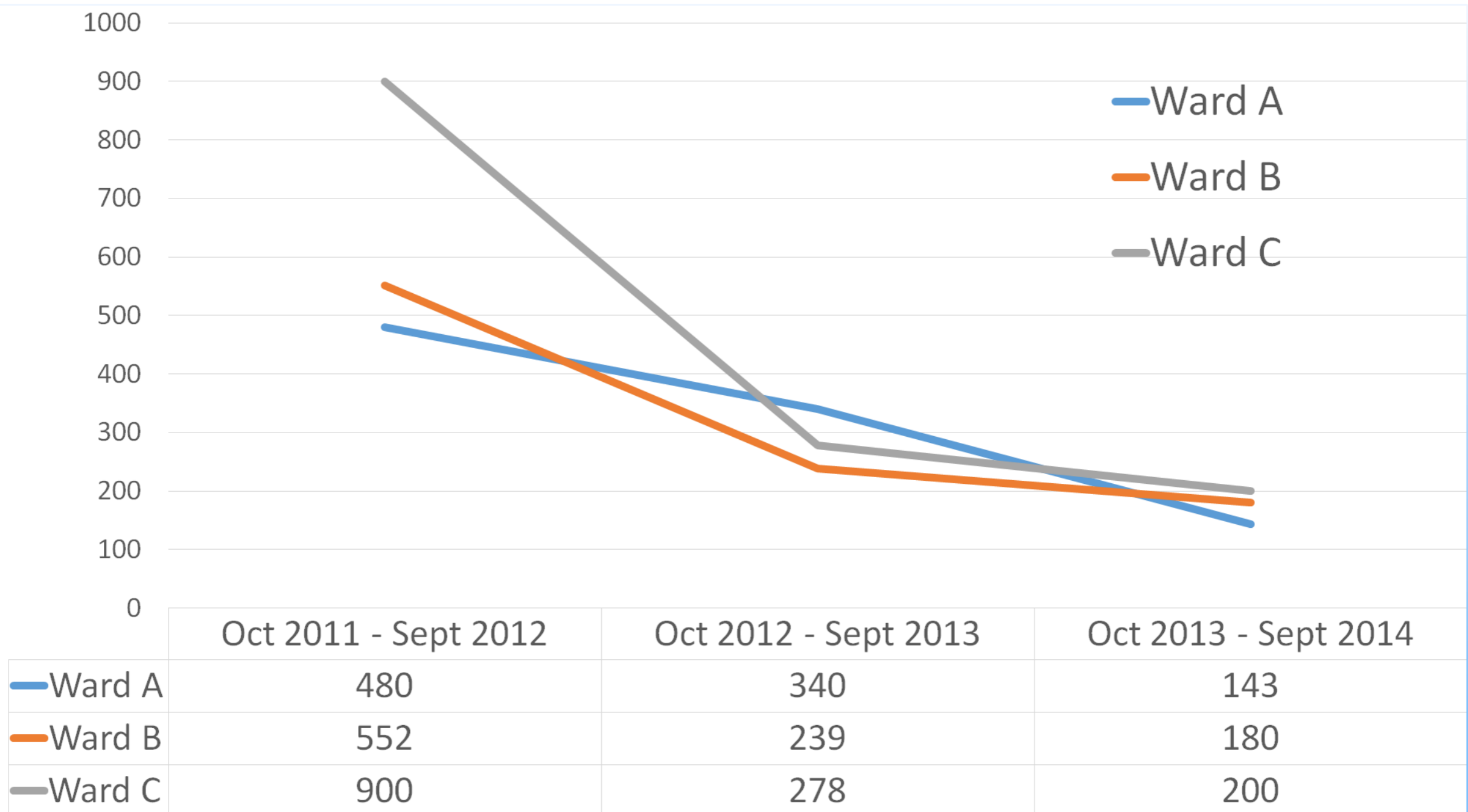
Implications

- Reduced workload and pressure on permanent staff
- Patients familiar with permanent staff – unfamiliar with agency staff, can cause disruption and upset for patients
- Reduction in training and administrative paperwork associated with agency staff
- Overall happier and healthier patients and staff



Loss of hours due to staff sickness

Novaerus units installed Ward A – Oct 2011,
Ward B – Sep 2012, Ward C – Dec 2012





Results

- **NO outbreaks** of MRSA, C. diff, Influenza, or Norovirus in wards with Novaerus units installed
- Continued decline in **staff sickness**
- Reduction in **odours** throughout the wards
- Reduction in **infections** and **antibiotic** use.
- Currently collating archived data on antibiotics use and infection rates in all four units from Oct 2008 to September 2014



PATIENT BENEFITS

- Healthier patients
- Mobility improved
- Robust Immune system
- Improved appetite
- Respiratory issues improved
- Odour free environment



FINANCIAL BENEFITS



- Agency
- Medication
- Fluids
- Workload
- Heating
- Costs