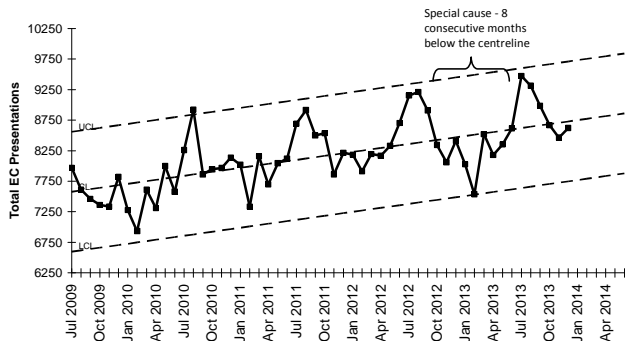


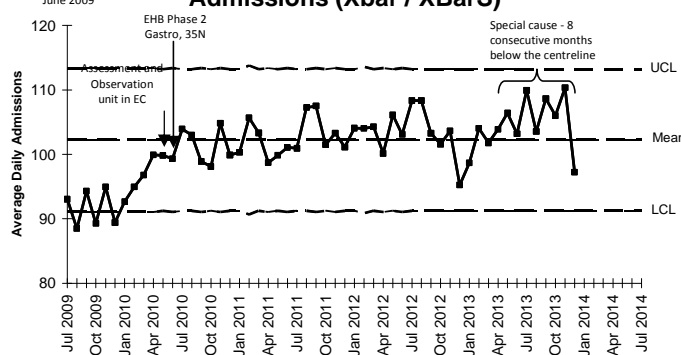
Monthly EC Presentations (growth ImR)



Emergency Care (EC) Presentations have shown a consistent growth pattern from July 2009 to date. There was a special cause with 8 points lying below the expected centreline, analysis indicates that this special cause is the result of seasonality.

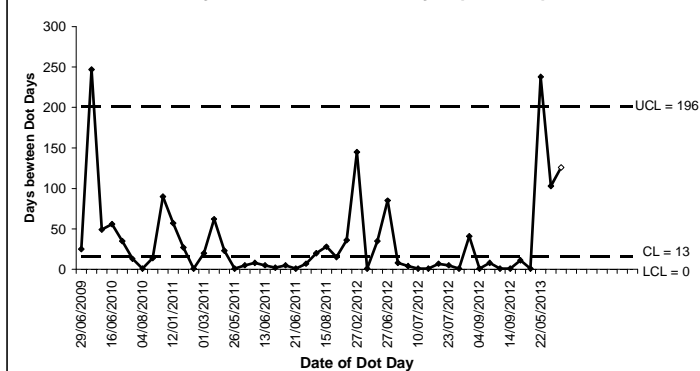
EHB Phase 1
Ward 33,34
June 2009

Admissions (Xbar / XBarS)



A special cause with 8 points above the centreline (April – November 2013) has been noted on the graph (see analysis for further discussion)

Days between Dot Days (t-chart)



There were no Dot Days in December, the total for 2013 was 2 (22nd May and 2nd September)

Notes

As the scope of the Beyond 20,000 Days Campaign has expanded, the data for the admissions, length of stay and readmissions now includes ARHOP and Mental Health in addition to the Surgical and Medicine divisions.

The occupancy graph is now displayed as a rate to reflect the data shown in the Daily Dose e-newsletter.

Beyond 20,000 Days Campaign Dashboard December 2013

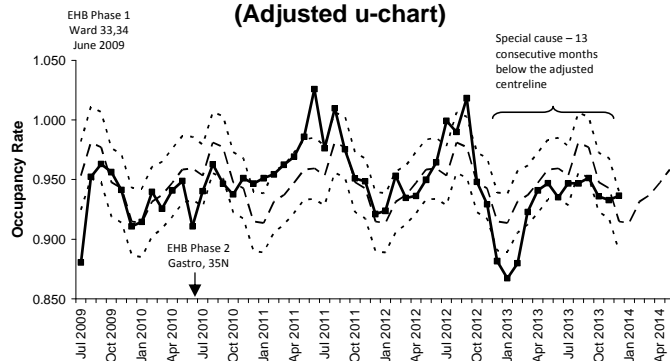


Analysis

During 2013 there were only 2 Dot Days, which is the lowest number recorded since 2009. This is also reflected in the occupancy graph where the average 9am census figures are similar to those in 2009 and 2010 and do not show the extended over census figures of the previous 2 years.

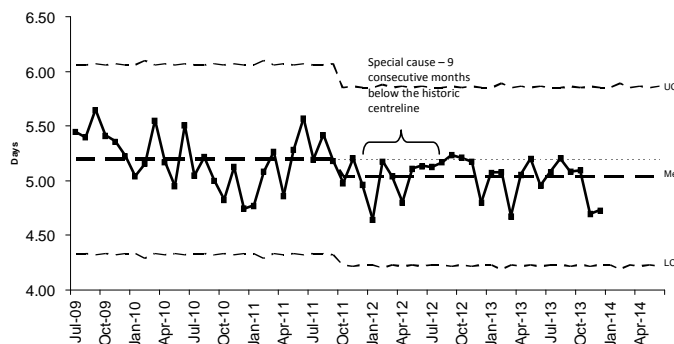
There has been a special cause in the admission data with 8 points lying above the centreline (April to November 2013), this increase appears to have been managed by maintaining the reduced average length of stay as this graph shows common cause variation only. This reduction in Average Length of Stay has been achieved without an increase in readmissions.

9am Occupancy Rate (Adjusted u-chart)



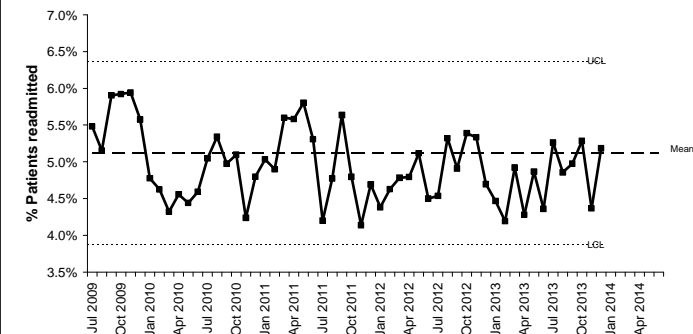
The dashed line is the adjusted centre line and the dotted lines are the control limits – although there are multiple periods of special cause in this graph the special cause for last 12 months are highlighted.

Average Length Of Stay (Xbar graph/XbarS)



Average length of stay has decreased from our baseline (July 2009-June 2011) and shown common cause variation at a reduced level since November 2011.

Readmissions (P Chart)



Readmissions have shown common cause variation only

EC Presentation

This graph represents the Average daily presentation to MMH emergency care.

Operational Definition

Criteria

All presentation to MMH Emergency department
This figures include adult and Paediatrics

Admission

This graph shows the admission of acute adult patient admitted to Middlemore over a period of time.

Operational Definition

Admission: Patient admitted to MMH inpatient wards for more than 3 hours from the 1st seen by time

Criteria

Middlemore, Age >-15 years, Surgical (incl Gynae), Medical, ARHOP and Mental Health specialties

Trigger /Dot Days

This Graph chart shows the days on which date the hospital was full and also the days between two Dot days. Hospital full days are also termed as Dot days. One of the aim is to minimise the Dot days and increase the time between Dot days. One of the contributing factor to achieve this is bed day saving

Operational Definition

Dot Days: A day is referred as "Dot Day" when Middlemore central send an email when the Hospital is full.
Date of Dot Days: The actual date when the email was sent.

Criteria

All emails sent by Middlemore central with a subject "Hospital full"

UCL: Upper control Limit is automatically calculated by the software it selves.
CL: Centre Line can also be called as Average.
LCL: Upper control Limit is automatically calculated by the software it selves.

Note: The graphs will help us to detect Shifts, Trends and variations. The lines within control limits indicate that the data is stable and in Statistical control.

20,000 Days Campaign Dashboard Definitions



Occupancy

This graph reflects the occupancy rate (%) at the 9am census

Operational Definition

Occupancy: numerator – the average number of beds occupied at 9am during the month
Denominator – the average number of beds open at 9am

Criteria

Middlemore, Age >-15 years, Surgical/Medical specialty (incl Gynae). Occupancy excludes: MSSU and Observation

Average Length of Stay (ALOS)

This graph reflects the ALOS over a period of time.

Operational Definition

LOS: Days between admission to discharge

Criteria

Middlemore, Age >-15 years, Surgical (incl Gynae), Medical, ARHOP and Mental Health specialties

Unplanned Re admission

This graph shows the readmission rate over a period of time.

Operational Definition

Re-admission: numerator - An unplanned acute readmission to same speciality as discharged within 7 days
Denominator – total number of admissions

Criteria

Middlemore, Age >-15 years, Surgical (incl Gynae), Medical, ARHOP and Mental Health specialties. Data extracted based on Inpatient discharged location