Daily Dynamic Discharge –
A Whole System Approach to ED Crowding

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ED Crowding

EMERGENCY DEPARTMENT EXIT

Waiting for a bed
Waiting for decision
Waiting for transport
Waiting for specialist

Waiting for a bed
Dumfries and Galloway Royal Infirmary

- 337-bed hospital in SW Scotland
- Full range of specialties
- Serves popn 150,000
- Region covers 2,400 sq. miles
Daily Dynamic Discharge

- Daily ‘whiteboard’ meetings
- Estimated Date of Discharge (EDD) assigned to each patient
- ‘Golden hour’ ward round – highest acuity patients seen first, followed by patients ready for discharge
Implementation

- 12-week period, Oct – Dec 2016
- 2 weeks for staff training
- ‘Exemplar ward’
- Initially adopted in medical wards then rolled out across acute and into community
Increased early in day bed capacity

Ward 10 (Exemplar Ward)
Hourly Discharge Profile (Cumulative)
"Shifting the Curve to the Left"

Baseline - 12 weeks without DDD
Implementation - 12 weeks with DDD (Oct-Dec 16)
Increased number of weekly discharges

Ward 10, Exemplar Ward, Weekly Discharges

Median 26/week

Median 30.5/week

Baseline pre DDD

DDD Implemented

No. Discharges

Median Discharges
Reduced Length of Stay

Ward 10, Exemplar Ward, Average Length of Stay (Days)

- **ALOS 6.8 days**
- **ALOS 6.3 days**
- **ALOS 5.6 days**

Baseline pre DDD

DDD Implemented

Sustained Jan-Mar 17
Impact on ED Occupancy

DGRI Emergency Department, Monthly Attendances and Occupied Hours

- 26.7% rise in attendances compared to 15/16
- Only a 4.4% rise in Occupied Hours

Winter 15/16

Winter 16/17

26.7% rise in attendances compared to 15/16
Only a 4.4% rise in Occupied Hours
Questions?
Thank you