

Abstract Title

Home initiated IV antibiotics in the Paediatric CF population

Aims

- Family Centred Care
- Facilitation of care within the home environment
- Reduction of organisational hospital bed days
- Increase of Hospital in the Home bed days

Methods

Creation of an IV antibiotic initiation in the home criteria, and protocol, for a pilot group of CF patients.

Historically all patients within the organisation received first dose of IV antibiotics within the hospital walls, regardless of previous dose administration.

Eligibility criteria:

1. Located within the 60km HiTH radius
2. Diagnosis of Cystic Fibrosis
3. Porta Cath in situ
4. Documented evidence that patient has received the prescribed antibiotics intravenously for at least 48 hours previously, without any adverse event

Collected parental/patient satisfaction surveys

Results

13 episodes of home initiated IV antibiotics within a group of 8 patients over a 14 month period.

Data used for this presentation was over an 11 month period, in order to provide a direct comparison of the previous 11 month period.

- Parental satisfaction (results pending- expecting increased satisfaction)
- **65%** reduction in inpatient bed days compared to previous 11 month period
- **21%** increase in HiTH bed days compared to previous 11 month period
- Reduction in DMU admissions compared to previous 11 month period
- No recorded medication reactions
- No recorded CLABSIs

Conclusions

The home initiated IV antibiotic pilot facilitated an increase of care at home, and therefore a reduction in hospital bed days, resulting in improved access to inpatient beds for other patients. The patients involved in the pilot project remained clinically stable throughout the HiTH admission, and there were no adverse events records for those involved.

We are yet to collate the parent and patient satisfaction surveys, but we expect to see increased satisfaction for parents and patients.