

Pediatric Emergency Center (PEC) Innovation Early Emergency Discharge Clinic (EEDC)

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Problem

- Qatar is the fastest country in population growth.
- Over the last few years PEC census escalated leading to beds shortage, longer length of stay in PEC and increase workload which diverted staff from sicker patients and might have affected quality of care delivered.

Aim

- We aimed to increase the availability of beds for sicker patients in a safe manner while maintaining the standards of care and patient satisfaction.

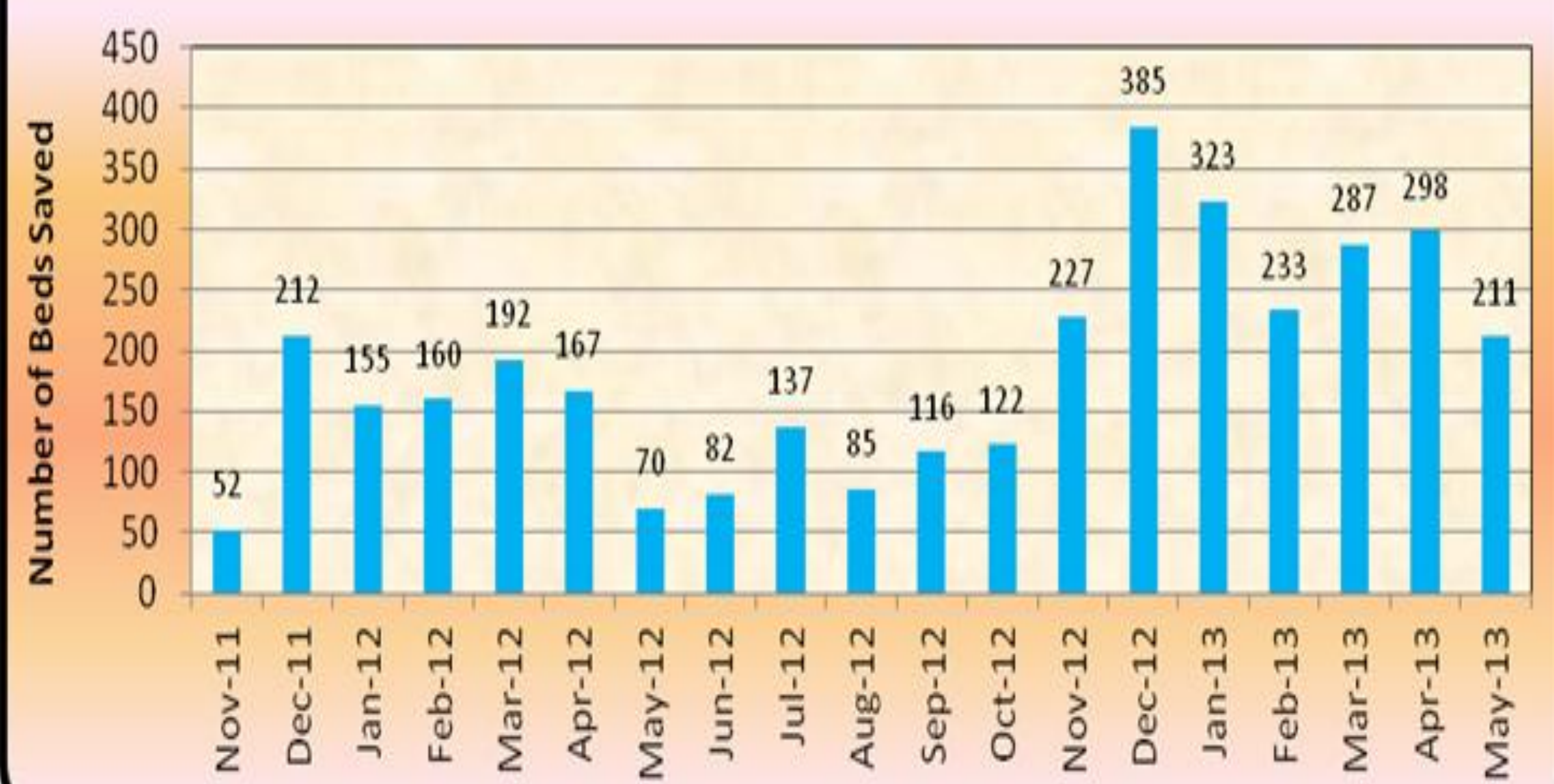
Intervention

- November 2011, EEDC commenced.
- Identified and discharged patients with certain diagnosis at low risk of deterioration but required admission for IV treatment, and provided it to them at EEDC.
- Measure improvements thru the quantitative collection of data, analyzing the result, and comparing data before and after the initiation of EEDC.

Results

- 1168 referred to EEDC between November 2011 and May 2013
- Diagnosis list: UTI, R/O Sepsis, Soft tissue infection, Lymphadenitis, Dental Abscess, Typhoid Fever, Otitis media, Bacteremia, Bacterial Pneumonia, Meningitis, Factor replacement in Factor VIII ,IX deficiency
- 2393/year admitted to HGH versus 1844/year
- 1761/year stayed at PEC more than 24 hours versus 1225/year
- The average Nurse Patient ratio in PEC Al Saad in peak months (Oct-Apr) was 1:6 versus 1:4
- Patient Satisfaction Survey in PEC Observation Area improved

Number of Bed Days Saved in HGH



Conclusion

- EEDC is a safe alternative to admission for stable patient who needs admission for completion of IV medication.
- EEDC decrease length of stay in ER, decrease admission to hospitals and help in maintaining a safe patient:nurse ratio.

Sustainability

- EEDC is still sustaining its outcome of saving hospital beds, decreasing length of PEC stay, maintaining patient staff ratio, and increase quality time with the sicker patients.

Lessons learned

- Innovation guarded with safety, team work and close monitoring can win the game especially when needs:resources are unbalanced.
- New standard of pediatric ER care is achieved in this project.