

TrustedCare:

Process Redesign for Elective Caesarean Section Care to Improve Patient Outcomes and Reduce Cost Variations

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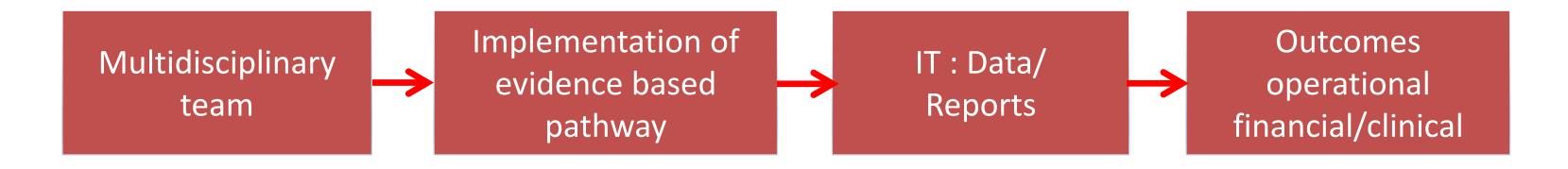


KK Women's and Children's Hospital SingHealth

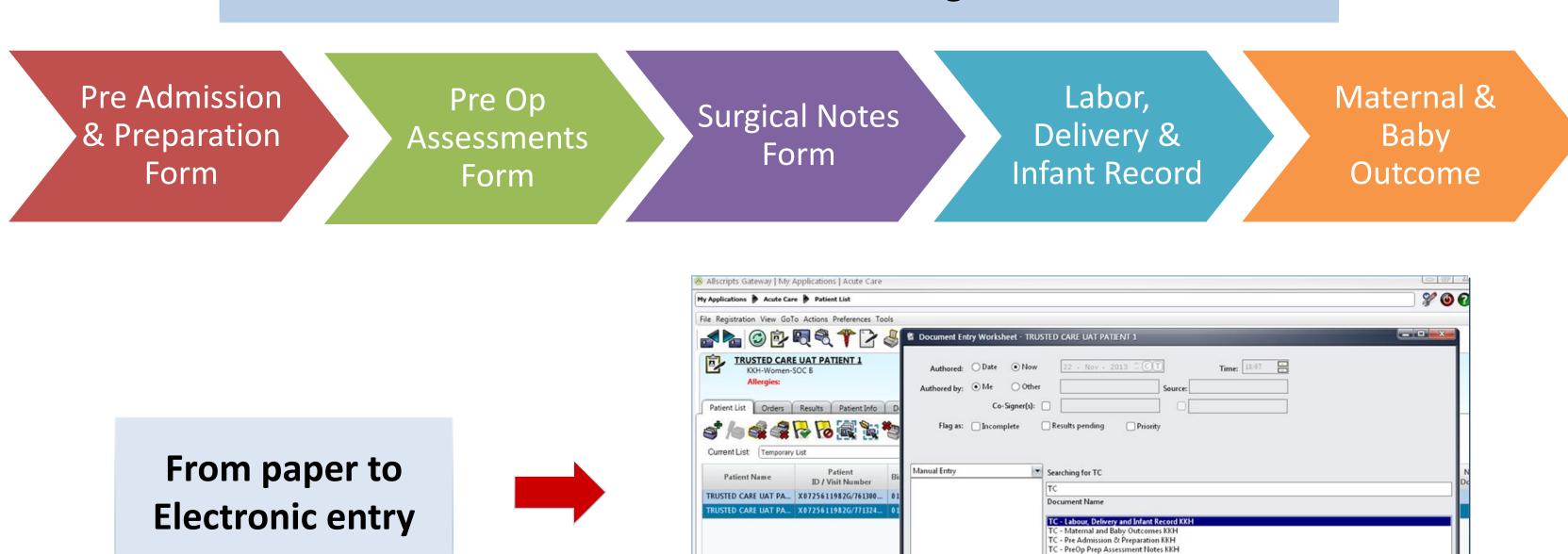
Background

KK Women's and Children's Hospital, Singapore is a large tertiary referral center in South East Asia (approx. 12,000 deliveries per year) providing comprehensive, extremely well-coordinated, multi-disciplinary care to low and high risk mothers. A multidisciplinary taskforce was formed to create a new model of care, TrustedCare (Jan 2014) for elective caesarean section (CS) by redesigning the entire process from listing of the surgery to discharge with aim to improve the clinical outcomes, patient safety, operational efficiency and financial sustainability.

Planning and Implementation



5 modules from admission to discharge for Elective CS



Results

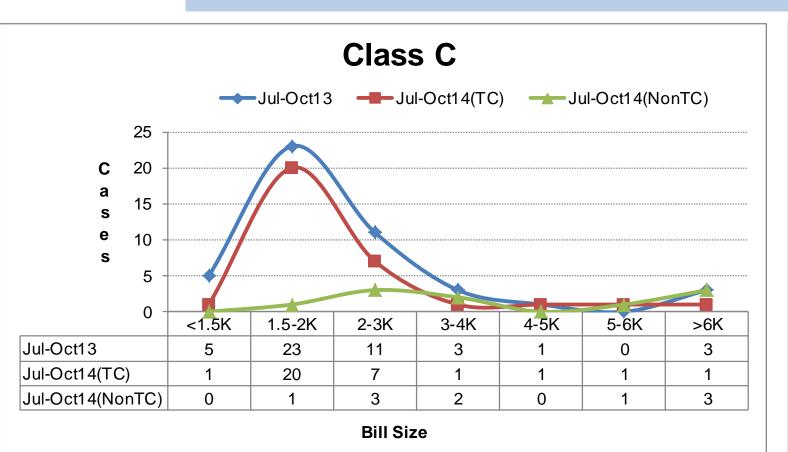
Financial data can now be linked to clinical data in a structured manner. The leadership team is able make better decisions due to standardization of processes consumables, thereby reducing bill size fluctuations.

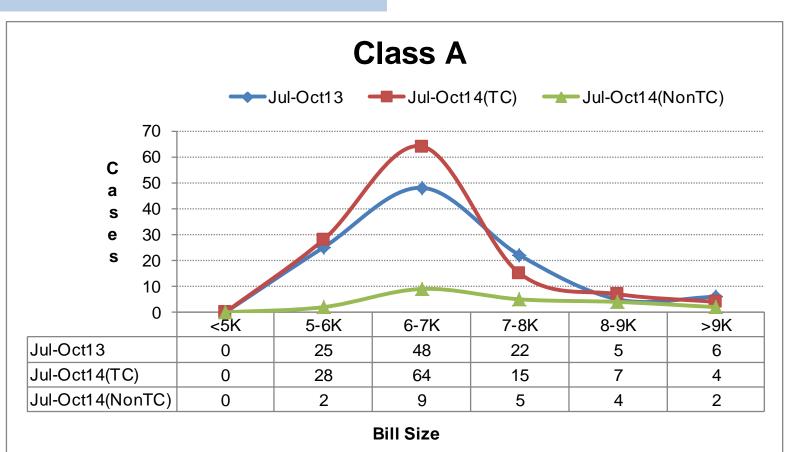
Adhesion barrier Use of Seprafilm for El LSCS from Jan15 to Dec15 100%

<u>Open</u> Close

Cost savings (\$260-430) through the elimination of of adhesion barrier during routine use uncomplicated elective CS.

Bill Size distribution before & after TrustedCare

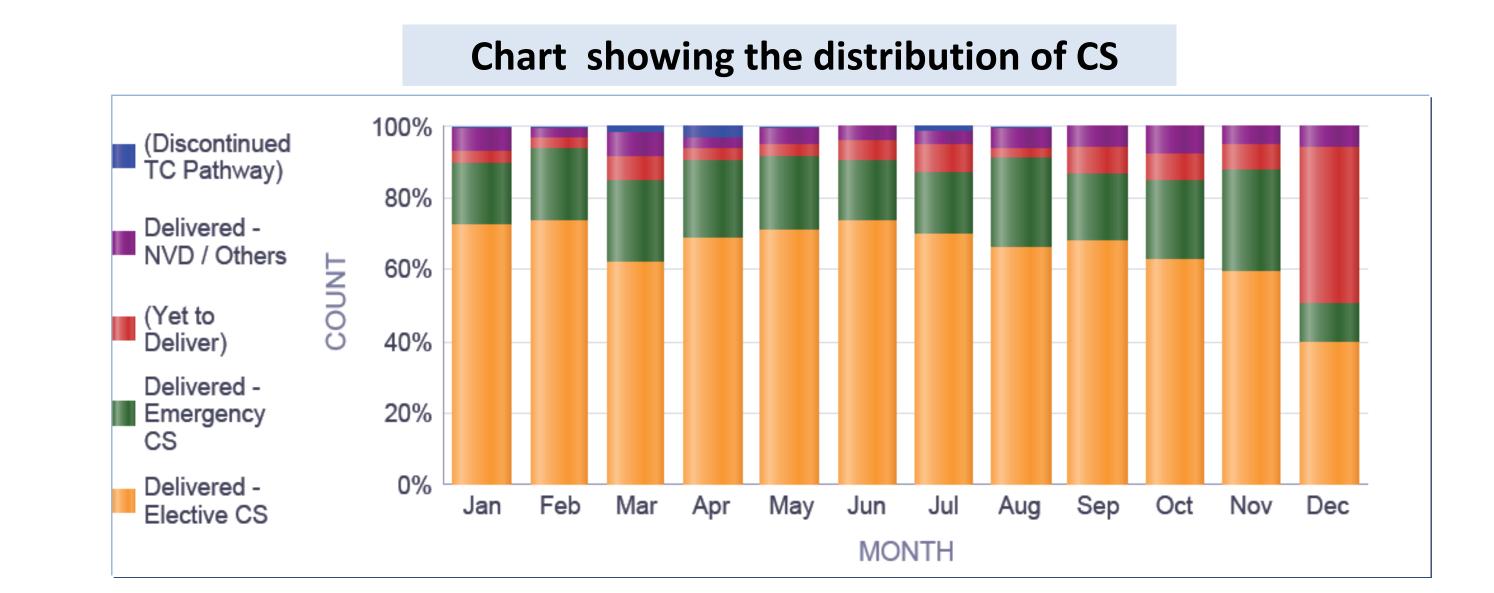


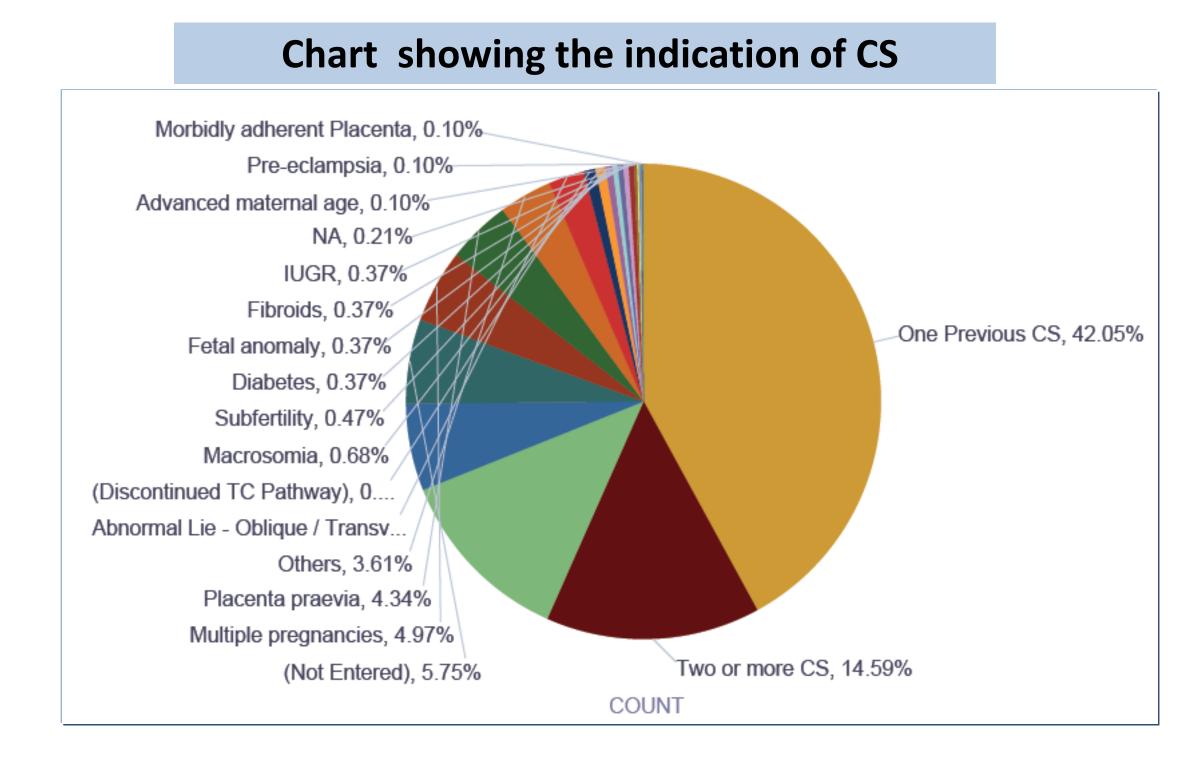


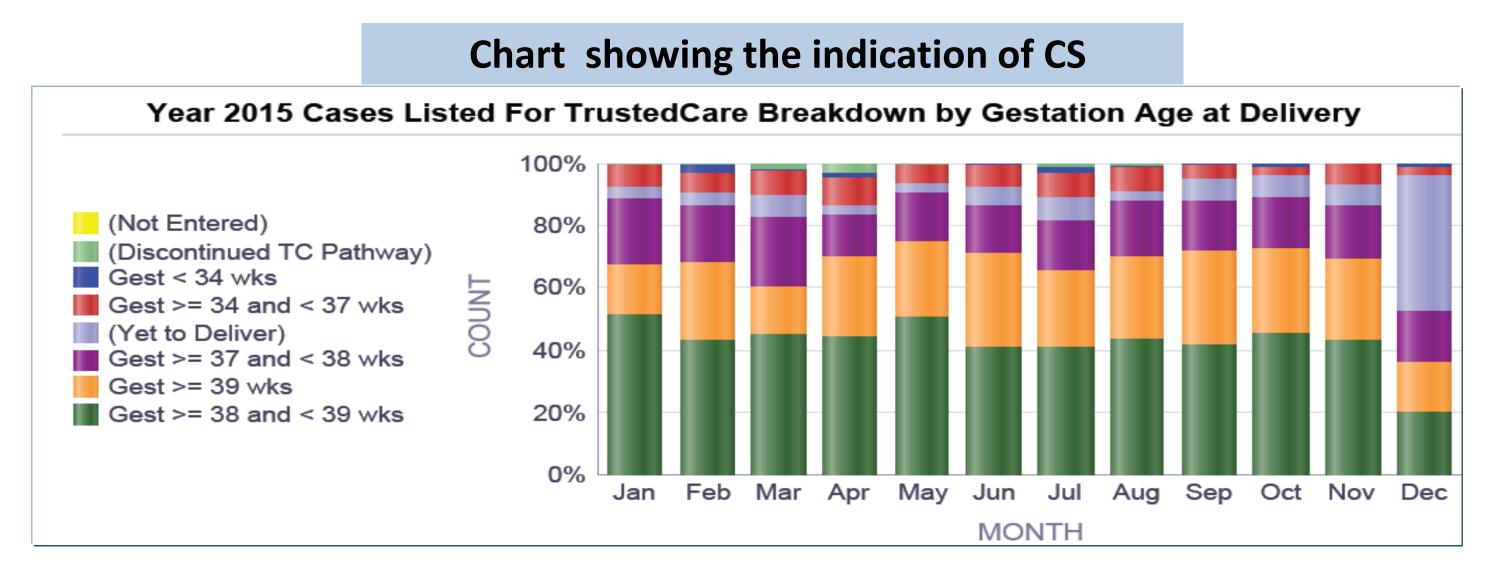
Future TrustedCare improved the entire workflow of elective CS, reporting and analysing the data/ performance and co-ordination between various multidisciplinary teams. This new model of care is likely to benefit in the financial counselling and bundled payments in future.

Benefits

As clinical data is now in discrete format, information can be extracted easily to change processes, perform clinical audits and educate the staff for safer clinical care.







Audit on Thromboprophylaxis

VTE Prophylaxis	Yes
Early Ambulation	Yes
TED Stockings	Yes
Intermittent Pressure Compression	Yes
(IPC)	
Leg Physio	No
Clexane	Yes
Clexane (mg)	40
Clexane (date)	27-Jan-2016 08:0
- Pland Transfusion	No

Preimplementation Audit in May 2014

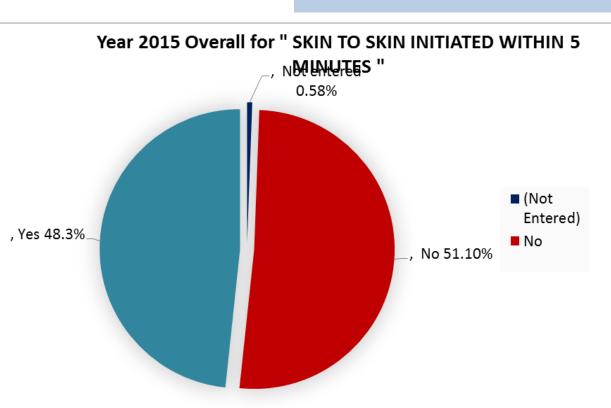
- 46 sequential elective LSCS cases
- 45/46 (98%) put on LMWH
- 1/46 (2%) put on IPCs

prophylaxis pathway Post-implementation audit done in May 2015

Universal VTE

- 62 sequential cases of elective LSCS
- 100% risk assessment done
- 12.9% had postoperative instructions for IPCs
- 98.4% had IPC use intraoperatively and postoperatively with a 100% compliance rate

Chart showing skin-skin initiation



Reason No Skin To Skin Contact Within 5 Minutes	Count
Baby's Medical Condition	659
Mother's Medical Condition	288
Mother's Request	33
Others	0
Grand Total	980