### Background

- Most Health Care Professional (HCP) time is spent on documentation.
- IT can be used to improve patient safety & promote safe standards through electronic record keeping.

  - This leads to safer, shared, joined up care = improved clinical decision making.

Safer hospitals safer wards technology fund (integrated digital care technology fund) launched in May 2013 by the Secretary of State for Health & Sir Bruce Keogh (medical director) NHS England.

Grants made available to fund IT implementation programmes.

NHS England delivered, administered and governed funds

- 1st round awards >£195 million
- 2nd round awards - £44 million

Harnessing information revolution - NHS 5 year forward plan - paperless by 2020!

### SSI surveillance challenges

- Data collection – resource intensive
- Minimum of a quarter but not sufficient numbers in national database.
- Potentially underestimating SSI incidence.
- Potential for organisations to “Pick and Choose” submitted quarters – difficult to compare data.

But we need to improve patient safety!

### SSIS at GSTT

SSIS team of 3 coordinates data collection covering both Guy’s & St Thomas’ sites

SSI surveillance forms completed by clinical staff.

**Initially**

- Poor compliance (SSI team manually collecting most data)
- Use of Excel reports – manual creation and manual updates
- Manual data submission to PHE
  - Time consuming.

### IT applications available

1. EPR
2. Galaxy
3. TomCat
4. PIMS
5. Heart suite
6. Healthcare

**X** They don’t communicate with each other!!

**X** Lots of passwords and time spend navigating between systems to extract required data.

### What did we do?

- Initial consultations and managing expectations.
- Several meetings initially coupled with teleconferences.
- SSI module - basic system designed to fulfil mandatory requirements.
- Collaborative work between ICNet and GSTT.
- Different stakeholders
  - Project manager
  - Galaxy team - trust & suppliers
  - ICNet team
  - Trust IT
  - SSIS team leader - ensure needs met.

Testing phase, teething problems & final product release / launch

Developed an easy reporting system for local and national use (mandatory data) together.

### Benefits of ICNet

- Galaxy
- EPR
- PIMS
- Lab sift

- Opsift rules enable only required codes to be imported.

- Stopped manual entries in excel databases
- Export reports for validation
- CSV exports to PHE
- Readmission alerts
- Positive wound swabs alerts
- Trends - WCC, CRP etc
- Secure database
- Audit trail
- No more missing databases

### Where are we now?

**Reduced workload & enabled expansion** – 11 surgical specialties still 3 staff!

More time on:

- Data feedback
- Presentations / awareness / staff support
- Improvement initiatives
- Post discharge surveillance for C-sections
- Improved team morale.

Did this help us to improve patient safety & experience?

### Sustained improvement

**References**


**Conferences**

- September 2016 #IP2016
- HARROGATE