



NHS Foundation Trust

Do root cause analyses have a role in quality improvement? How best to approach them?

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BACKGROUND

Root cause analysis are important and common in healthcare organisations, however 'more education and training' is often the default outcome or action plan from most investigations

A human factors approach that enables genuine system or operational problems to be adequately addressed is desirable

PURPOSE

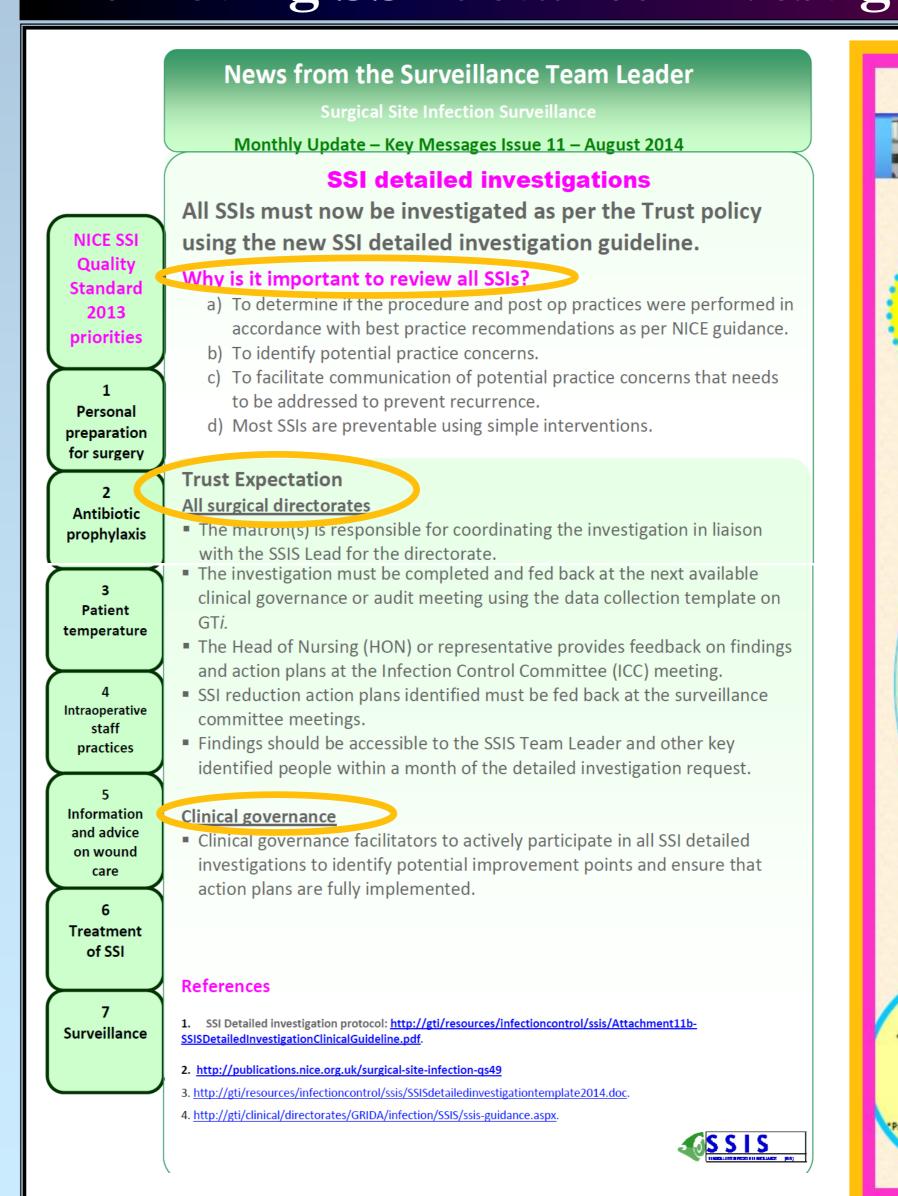
- 1. Establish an effective surgical site infection (SSI) detailed investigation protocol, which enabled us to identify potential surgical pathway issues
- 2. Measure compliance with evidence based SSI prevention recommendations from the National Institute of Health & Care Excellence (NICE)

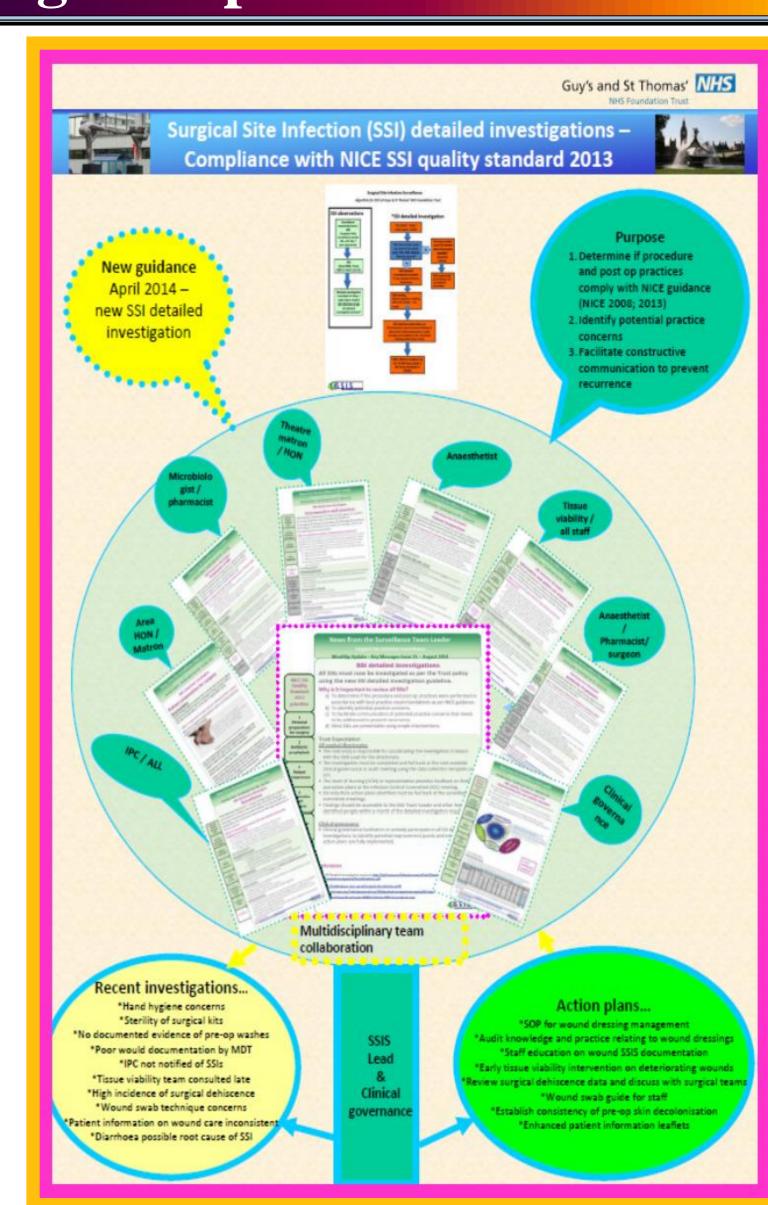
METHODS

- The infection control team drafted an SSI detailed investigation protocol in 2014 to enable systematic approach to reviewing practice in line with evidence based recommendations
- 2. Input was sought from the Trust SSI surveillance committee and surgical directorate leads
- 3. New protocol was then approved by relevant infection control committees
- 4. In line with this protocol, emails are send out to identified directorate SSIS nursing and medical leads whenever patients develop deep / organ space infections or when SSI trends are going up
- 5. A directorate matron coordinates investigations and any meetings
- 6. A directorate SSIS lead is expected to share and discuss outcomes from investigations at relevant clinical governance or morbidity and mortality meetings

SSI detailed investigation summary | Complete | Communication | Communication

Promoting SSI detailed investigation protocol





RESULTS



CONCLUSIONS

- 1. The SSI detailed investigation protocol is now fully embedded within clinical governance structures
- 2. Outcomes of SSI investigations are used in quality improvement work. Areas that comply with this protocol have demonstrated sustained reductions in SSI incidence
- 3. Ongoing encouragement & support is provided for some directorates
- 4. An SSI detailed investigation log is now circulated regularly Root cause analysis play an important role in quality improvement. From our experience, they are more productive when clinical staff take ownership and are involved in the development of relevant protocols.

BIBLIOGRAPHY

National Institute of Health & Care Excellence (2013) Surgical Site infection Quality standard 49. [Online] Available at: https://www.nice.org.uk/guidance/qs49. National Institute for Health & Care Excellence (2008) Surgical site infections: prevention and treatment. Clinical guideline 74. [Online] Available at: https://www.nice.org.uk/guidance/cg74.