Inspired by research. Inspiré par la recherche. Driven by compassion. Guidé par la compassion.

CENTRE FOR IMPLEMENTATION RESEARCH LAUNCH

IMPROVING OPERATING ROOM PRACTICE WITH THE OR BLACK BOX

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OPERATING ROOM BLACK BOX

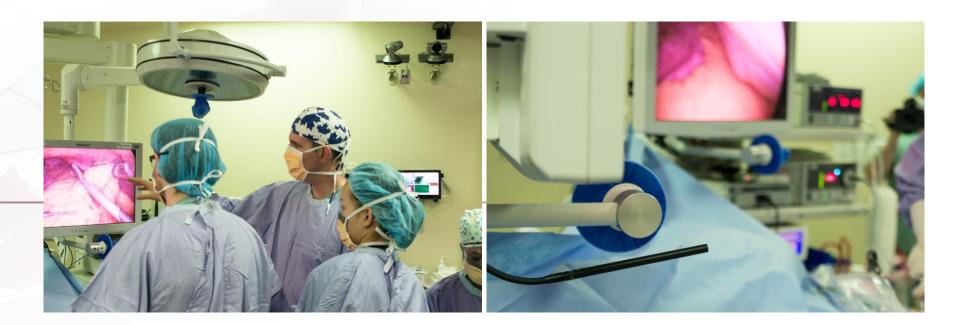


Dr. Teodor Grantcharov St Michael's Hospital

OR Black Box

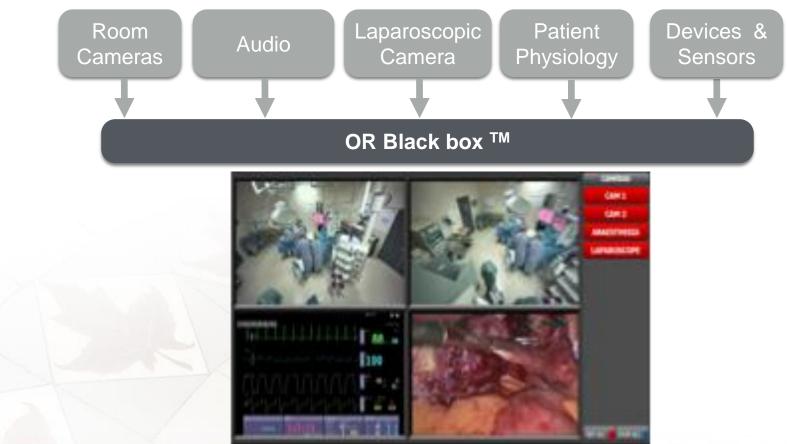


- Record audio/video/digital data from the OR
- Understand factors that may influence outcomes
- Develop targeted QI interventions/policy changes based on local needs



Content acquisition







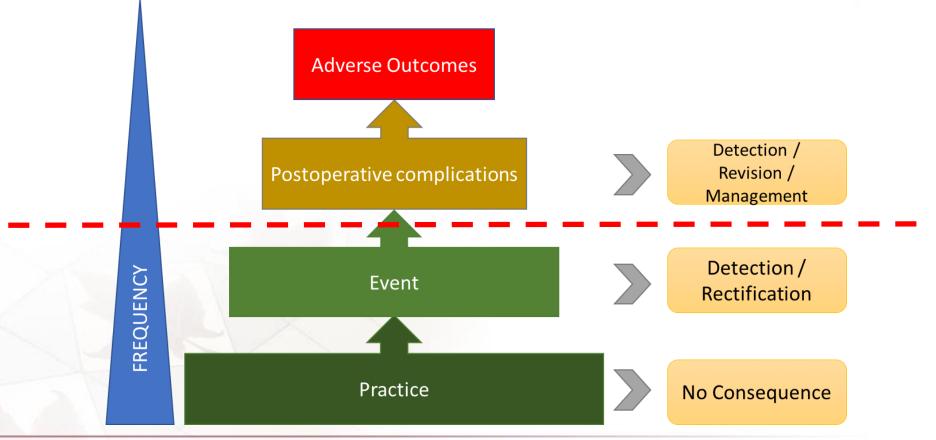
Performance analysis in other industries



- Black box: everyday vs. disaster
- Confidential and non-punitive process
- Pro-active & systematic approach to risk and practice



Practice – Event – Outcome Framework





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Analytics and reporting







Privacy



- Highly sensitive data: patients, care providers
- Lessons learned from Air Canada
- Protecting information and individuals:
 - IT
 - Consent
 - Analysts: small number of well trained individuals



INITIAL RESULTS

EXPLORING STAKEHOLDER PERCEPTIONS

- 15 patients: "no brainer" for patient safety
- 9 clinicians: need for information but mostly supportive
- 10 senior leadership: fits with TOH environment ("just culture")
- Next steps:
 - Finish clinician interviews
 - Data analysis to inform implementation and future projects

FUTURE STUDIES

Teamwork

Closed-loop communication



Key points



- OR black box targets clinical practice
- Systematic and proactive
- Everyday practice
- D Needs assessment
- Tailor QI to improve care



DISCUSSION

