

# Radiotherapy incident management at the McGill University Health Centre: standardization, workflow, and collaboration

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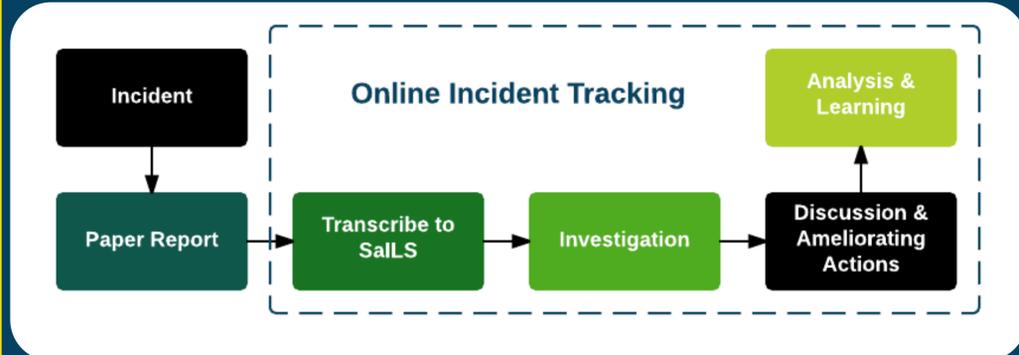
## Research Day

### Standardization

- Most Canadian radiotherapy centres currently utilize unstandardized internal systems for incident reporting
- Goal: Standardize incident reporting in radiotherapy and ensure consistent reporting in order to facilitate collaborative learning, prevent incident recurrence, and ultimately improve patient safety
- The Canadian Partnership for Quality Radiotherapy, in collaboration with the Canadian Institute for Health Information, is developing the National System for Incident Reporting – Radiation Therapy (NSIR-RT)
- NSIR-RT includes an incident reporting taxonomy specific to radiotherapy incidents
- We are adopting the NSIR-RT taxonomy for use at the MUHC via an online, database-driven, incident management system: the Safety Incident Learning System (SaILS)

### Workflow

- SaILS has been redesigned to integrate the NSIR-RT taxonomy into our workflow
- Our workflow includes an NSIR-RT compatible, paper form to capture preliminary discussion about incidents that may be otherwise lost in an online-only system



### Collaboration

- SaILS, has been adapted from a workflow and code-base originally conceived and developed at The Ottawa Hospital Cancer Centre
- The new, NSIR-RT-compatible, SaILS will be available as open-source software for other Canadian centres to use
- By integrating SaILS into our clinic we can aid in validating the NSIR-RT taxonomy and ensure its completeness for robust yet concise incident reporting
- A suite of statistical tools are currently being integrated into SaILS to facilitate incident learning and identify issues in the radiotherapy workflow
- A batch upload feature will be integrated into SaILS to easily allow upload of anonymized incident data to the national radiotherapy incident database
- Expansion of statistical analysis tools at a national level, with a broader pool of incident data, will improve the statistical significance of results and trends from which all participating institutions may benefit

## Safety Incident Learning System (SaILS)

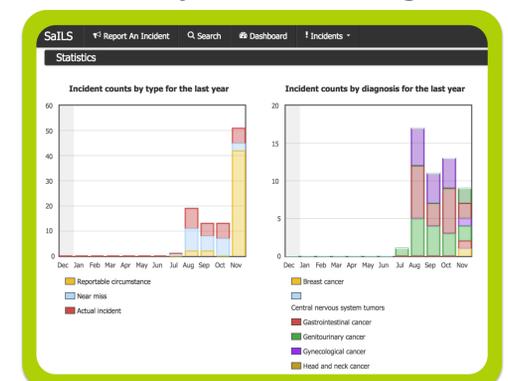
### Paper Report

### Transcribe to SaILS

### Investigation

### Online Incident Tracking

### Analysis & Learning



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