Engaging Regional Cancer Centre Healthcare Professionals in Identifying Cancer Surveillance Informational Needs

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Objectives

Simon Sinek, Start with Why
Ontario’s Landscape

**Population:** 13.6 million people

**Health Regions:** 14

**Distributed cancer system:** 14 Regional Cancer Centres (RCC) and one central cancer agency: Cancer Care Ontario (CCO)

- CCO is the Ontario government’s advisor on the cancer and renal systems, as well as on access to care for key health services.
- CCO drives continuous improvement in disease prevention and screening, the delivery of care and the patient experience.
Project Background

- Regional Cancer Centres (RCC) were moving towards adoption of ambulatory Electronic Medical Records (EMRs).

- Standards approach to the EMR development process with the integrated patient cancer journey as central to the process.
  
  - This approach included: 1) Information Standards; 2) Data Standards; 3) Functional Requirement Standards and 4) Interoperability Standards.

- Identification of cancer surveillance informational needs through:
  
  - Engaging Healthcare Professionals across Ontario
  
  - Elicit concepts for performance and quality measures focused on assessing risk factors, cancer incidence, mortality and survival rates.
What information is important to you to deliver safe and efficient cancer care?

The cancer journey
Better cancer services every step of the way

13 Clinical Workshops
13 Operational Workshops
Online Survey

13 Clinical Workshops
13 Operational Workshops
Online Survey

Cancer Care Ontario
Regional Participation – 435 Participants

<table>
<thead>
<tr>
<th>Participant / Type</th>
<th>Clinical</th>
<th>Operational</th>
<th>Online Survey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of sites</td>
<td>13</td>
<td>13</td>
<td>N/A</td>
</tr>
<tr>
<td>Number of</td>
<td>135</td>
<td>106</td>
<td>194</td>
</tr>
<tr>
<td>participants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N=435</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

- Physician (35%)  
- Managers (39%)  
- Allied professions (14%)  
- Nursing (4%)  
- Manager / Admin (68%)  
- IT Professional (14%)  
- Nursing (40%)  
- Physicians (24%)  
- Other (30%): Allied, Managers...

1,598 Indicator Concepts Generated
Distillation of Clinical and Operational Indicator Concepts

CLINICAL

1st Round removed functionality
981

2nd Round removed statistics and duplicates
807

3rd Round removed information found in other systems
220

4th Round, removed current inventory (9), statistics (30) and merged duplicates (42)
63

OPERATIONAL

1st Round removed clinical concepts
617

2nd Round removed information found in other systems
420

3rd Round removed niche concepts
117

4th Round, removed current inventory (9), statistics (30) and merged duplicates (42)
55

39 Surveillance Indicator concepts
Surveillance across the Integrated Cancer Journey

Throughout Cancer Journey

Prevention → Screening → Diagnosis → Treatment → Survivorship → Palliative

9 2 2 10 6

## Local Indicator - Use for Population Health

<table>
<thead>
<tr>
<th>Phase</th>
<th>Local Indicator</th>
<th>Potential Translation to Population Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prevention</td>
<td>Participation in lifestyle modification for physical activity, smoking status, alcohol consumption, compliance with Canada’s Food Guide, stress/anxiety</td>
<td>Percentage of the population that participates in lifestyle modification programs. Eg. Smoking Cessation*</td>
</tr>
<tr>
<td>Screening</td>
<td>Tests performed out of centre that contributed to diagnosis</td>
<td>Percentage of the population that participate in screening programs</td>
</tr>
<tr>
<td>Diagnosis</td>
<td>List all comorbidities under patient’s diagnosis not just cancer diagnosis</td>
<td>Comorbidities that may develop as a cause of cancer diagnosis or treatment</td>
</tr>
</tbody>
</table>
## Local Indicator - Use for Population Health

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<tr>
<td>Treatment</td>
<td>Peri-operative transfusion rates (better survival for patients that do not receive transfusion)</td>
<td>Surgical procedures and their transfusion requirements (hospital utilization statistics)</td>
</tr>
<tr>
<td>Survivorship</td>
<td>Percentage of survivors who access supportive care services in cancer centres</td>
<td>Utilization of services and prevention of survivorship related issues, such as prevention of recurrence</td>
</tr>
<tr>
<td>Throughout Cancer Journey</td>
<td>Documentation of Fitness Level during the entire journey e.g. ECOG performance status; fitness levels</td>
<td>Activity levels of cancer journey patients and the impact of physical activity*</td>
</tr>
</tbody>
</table>
Putting It All Together

Provincial Reporting by CCO

PROVINCIAL ASSETS

- Single sign on
- Point of care tools
- Key context sensitive data

User

Cancer Care Ontario
Value

33% of Indicator Concepts – Cancer Surveillance

435 Healthcare Professionals
Acknowledgements

• Regional Cancer Centres
• Hospitals
• eHealth Ontario
• Cancer Care Ontario

Final Report:
http://www.cancercare.on.ca/toolbox/oncisstand/
Questions?

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