

# Improving patient care in Canada with Pan-Canadian Synoptic Surgery Reporting Standards

## What are the Pan-Canadian Synoptic Reporting Standards?

- Evidence-based standards for breast, colon, rectal, thyroid, lung, prostate, endometrial and ovarian cancer surgery
- Inform 69 quality indicators
- Endorsed by seven medical societies: CAGS, CSSO, CATS, CUA, CSCRS, GOC & the Western Endocrine Group

## Oncology surgical care isn't standardized across Canada

### AS A RESULT:

Mortality rates can differ by **3 to 4 TIMES** between provinces

Resection rates can be **DOUBLE** that of other provinces

Length of stay can vary by **20-30% on average** per patient

Surgical procedures vary and can add unnecessary cost. Complications significantly increase cost by **\$10k per case**

## A growing number of cancer surgeons are taking steps to improve care

**250 SURGEONS** ACROSS CANADA ARE:

- Using pan-Canadian synoptic surgery reporting evidence-based standards
- Collecting and reporting on synoptic surgery data

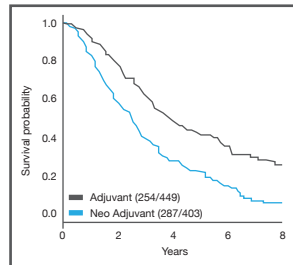
## The synoptic surgery data is helping to track clinical care and drive improvements in patient care

### SURGEONS CAN:

Determine best treatment options for patients

See how outcomes like survival vary across centres

Better understand where aspects of quality care vary across centres



Site	Events/Total	Survival Probability			Median Year
		3 Years	5 Years		
Centre 1	201 / 357	0.56 (0.51-0.62)	0.39 (0.34-0.46)	3.36	
Centre 2	133 / 225	0.53 (0.47-0.61)	0.35 (0.28-0.43)	3.19	
Centre 3	158 / 205	0.45 (0.38-0.52)	0.22 (0.17-0.3)	2.73	
Centre 4	49 / 65	0.47 (0.36-0.61)	0.28 (0.18-0.44)	2.89	
Total	541 / 852	0.52 (0.48-0.55)	0.33 (0.3-0.37)	3.10	

Covariate	Full Sample (n=852)	Centre 1 (n=357)	Centre 2 (n=225)	Centre 3 (n=205)	Centre 4 (n=65)	p-value
Days in hospital						0.018
Mean (sd)	8.1 (12.4)	6.7 (9.8)	10 (18)	8.3 (9)	8.3 (8.7)	
Median (Min, Max)	5 (1,236)	5 (1,137)	6 (2,236)	6 (3,113)	6 (3,51)	
Missing	6	0	0	4	2	
Readmission 30 days Surgery						0.27
No	799 (94)	335 (94)	216 (96)	190 (94)	58 (91)	
Yes	48 (6)	22 (6)	8 (4)	12 (6)	6 (9)	
Missing	5	0	1	3	1	

## Synoptic surgical reporting has system-wide benefits

A majority (> 65%) of surgeons said that electronic **SYNOPTIC SURGICAL REPORTING IS SUPERIOR** to narrative reports as it is:

- Brief yet comprehensive (contains **25 to 50 items** vs. 2000 words and **69 to 96% of essential content** vs. 46 to 59%)
- Can be **completed in 15 minutes** vs. 5 days and rapidly transmitted (**97% of reports in 24 hrs** vs. 30-90 days respectively)
- A solution to **measure performance and outcomes**, self-reflect and guide improvements in clinical practice

“Standardized reporting of data is important to identify and understand variations in care which, in turn, can be used to focus on optimizing quality of care, improving patient outcomes and delivering cost-effective treatments.”

(Surgical oncologist, Ontario)

For more information, please contact [info@partnershipagainstcancer.ca](mailto:info@partnershipagainstcancer.ca)

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