Lung cancer care in Saskatchewan and Ontario: An interprovincial analysis of healthcare resource utilization

INTRODUCTION

- Lung cancer (LC) is known to exert an enormous burden on healthcare systems across Canada. It is the leading cause of cancer mortality in the country.¹
- Limited research exists on healthcare resource utilization and treatment costs in Canada.
- No lung cancer studies have drawn interprovincial comparisons

DISCLAIMER

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OBJECTIVE

To evaluate and compare healthcare resource utilization in Ontario and Saskatchewan among lung cancer patients.

METHODS

Study Design

- Retrospective cohort analysis
- Adult patients ages 30 years and older residing in Ontario (n=29,983) and Saskatchewan (n=2,889) with a primary diagnosis of non-small cell (NSCLC) or small cell lung cancer (SCLC) between January 1, 2008 and March 31, 2014.
- Patients were excluded if they had a preexisting or subsequent cancer diagnosis.

Data Sources

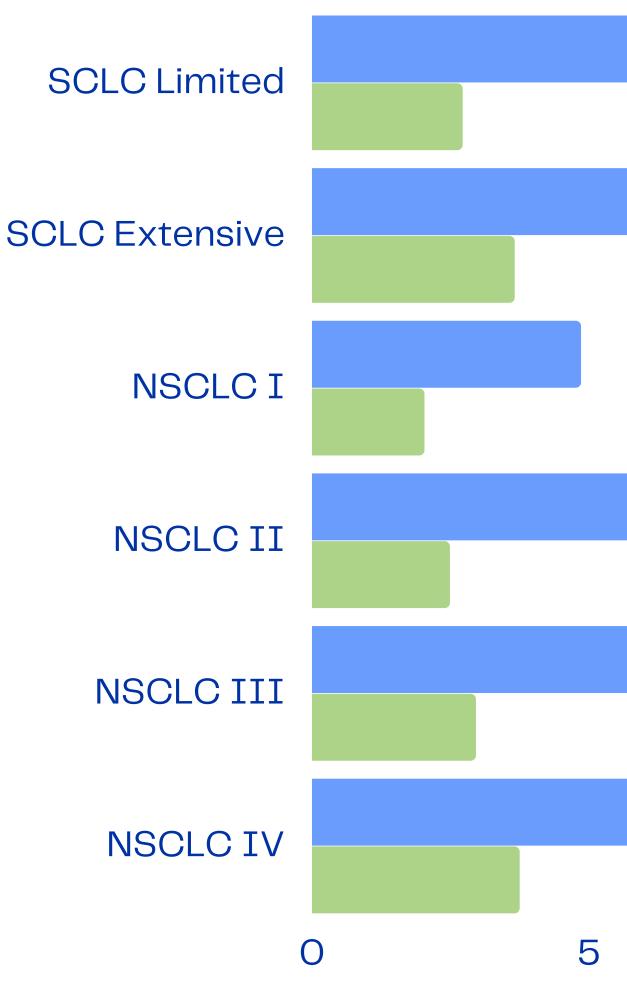
- linked provincial cancer registries and administrative databases Variables
- Healthcare utilization measures included physician visits, hospitalizations, length of stay (LOS), and in-hospital mortality.

sed in part on de-identified data provided by the Saskatchewan Ministry of Health, eHealth Saskatchewan, and the Saskatchewan Cancer Agency. The interpretation and d herein do not necessarily represent those of the Government of Saskatchewan, Cancer Agency or the Saskatchewan Ministry of Health



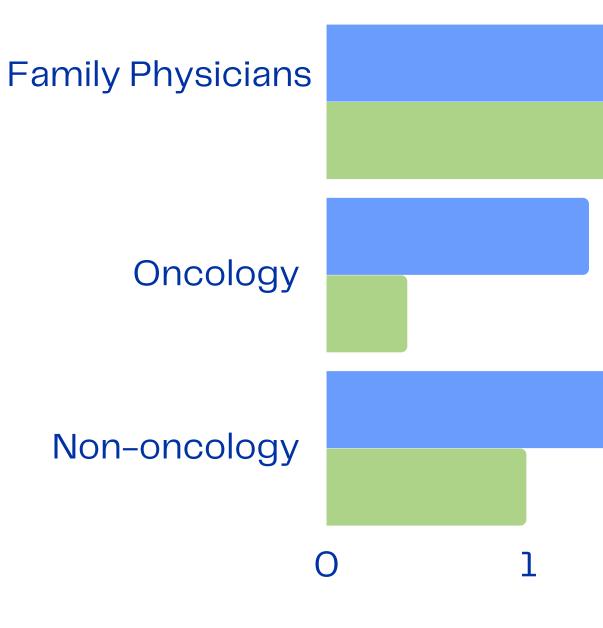
RESULTS

Total physician visits



Physician visit rate (Physician visits/30 days of follow up)

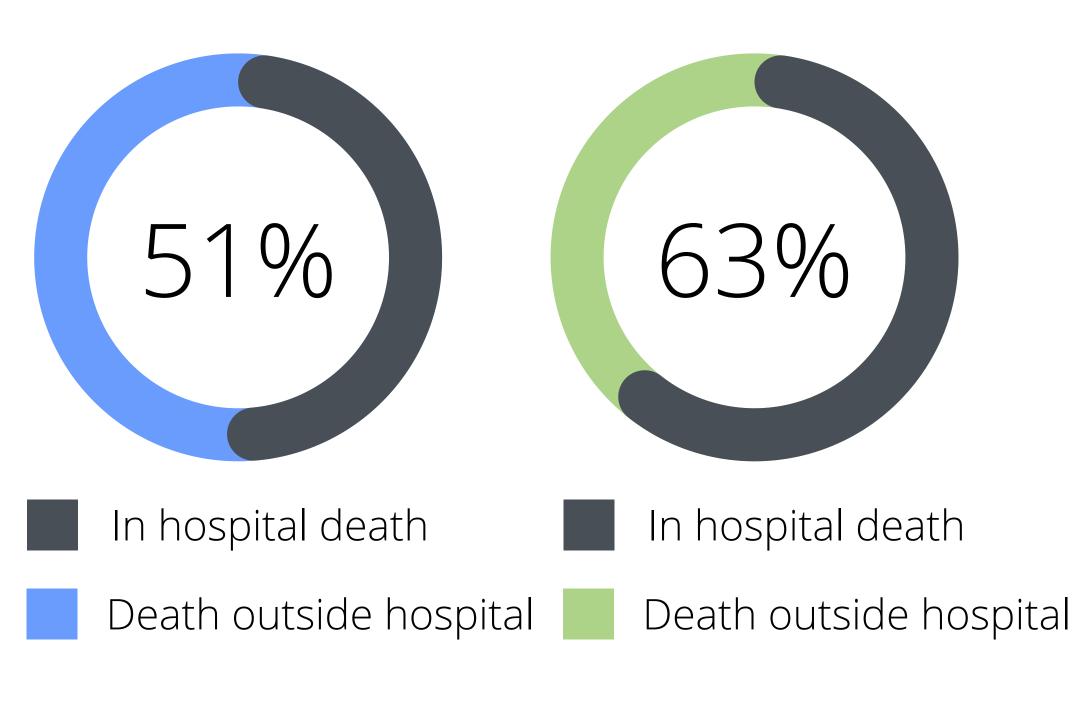
Specialist Visits



Physician visit rate (Physician visits/30 days of follow up)

In-hospital Death (decedents)

Ontario

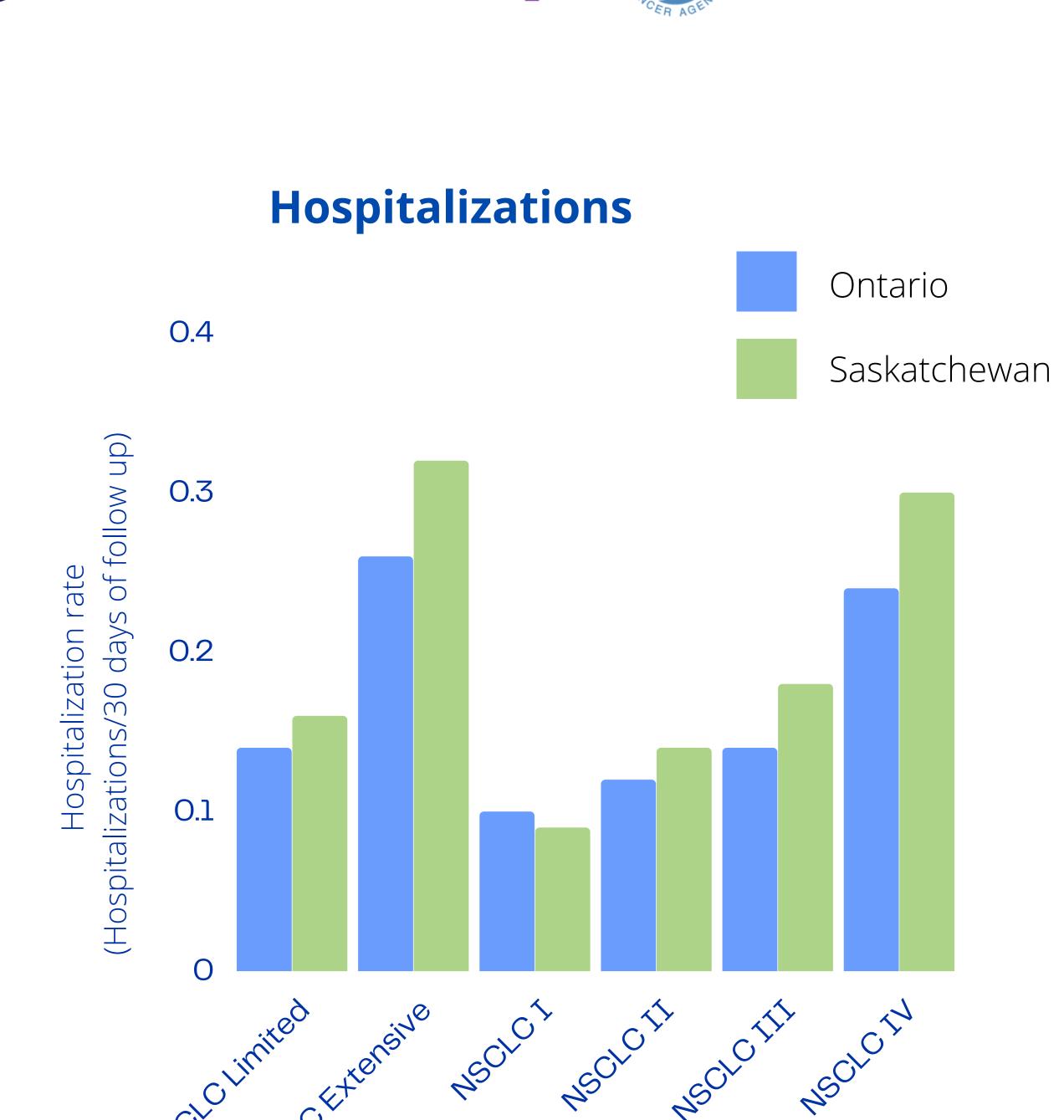




Saskatchewan

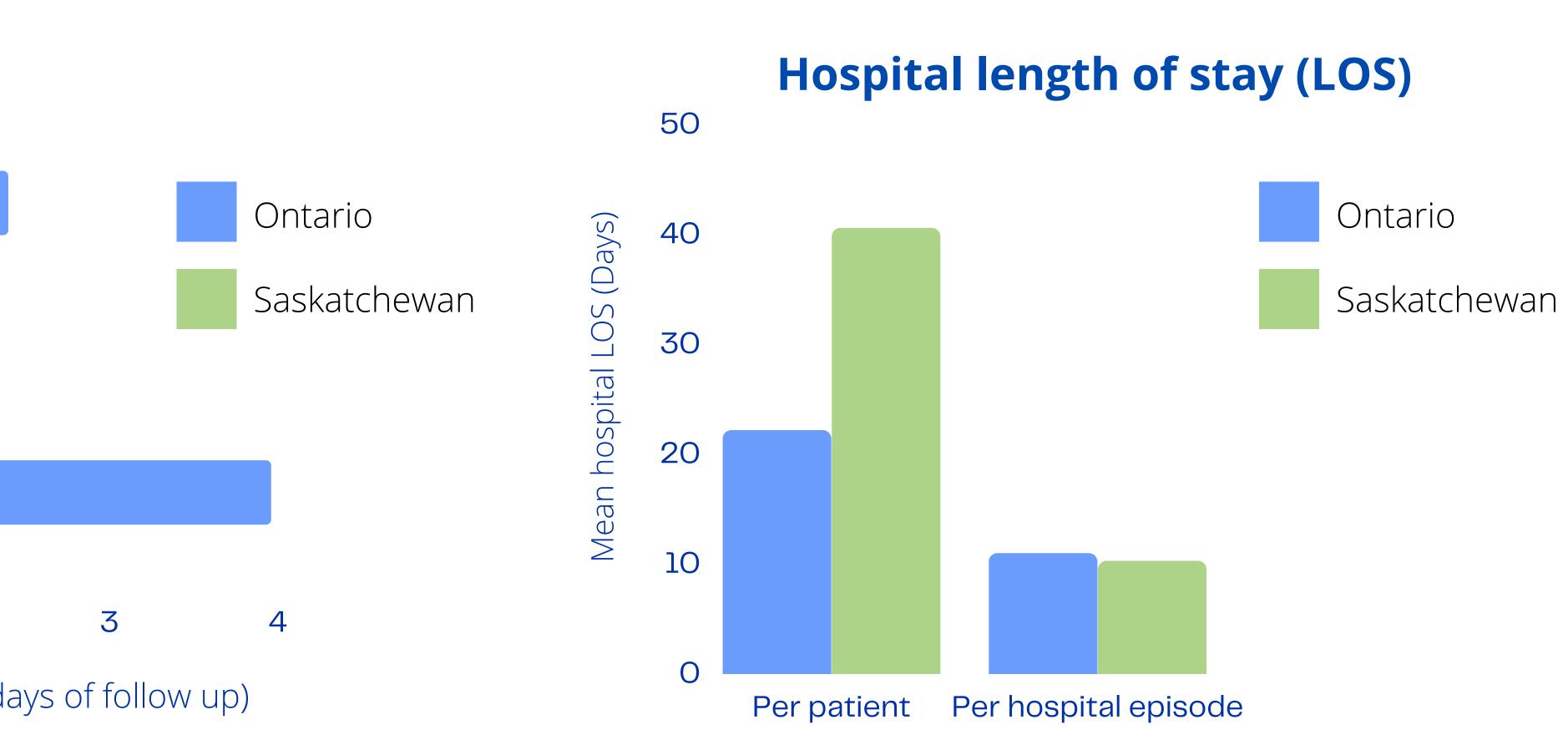
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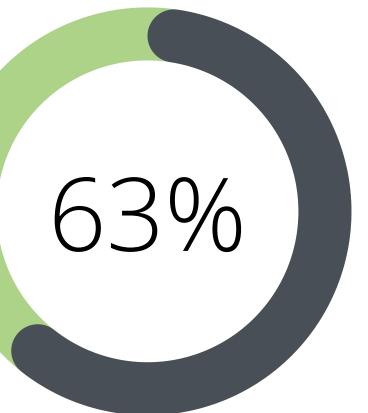


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Saskatchewan



- In hospital death

CONCLUSIONS

- between Ontario and Saskatchewan
 - Physician visits
 - Hospital LOS
 - In hospital death
- reasons.

REFERENCES

" PATAKY, R., BREMNER, K. E., RANGREJ, J., CHAN, K. K. W., CHEUNG, W. Y., ... KRAHN, M. D. (2017). ESTIMATING THE COST OF CANCER CARE I ER SOCIETY'S ADVISORY COMMITTEE ON CANCER STATISTICS. CANADIAN CANCER STATISTICS 2015. TORONTO, ON: CANADIAN CANCER SOCIETY; 2019

• Differences can be noted in the healthcare utilization patterns

 May stem from patient demographic differences or interprovincial variations in healthcare systems, among other

• Future exploration of the factors contributing to the observed differences remains an important area of investigation