



## Public Summary

August 2014

There are currently 3 ways to perform radical prostatectomies in Canada. Whether a patient receives open surgery or a laparoscopic procedure (robotic or non-robotic) depends largely on the hospital where he receives treatment.

### *Additional Resources*

The following companion products are available on **CIHI's website**:

- Report
- Data tables
- Chartbook

### *Talk to Us*

For data-specific information:  
[westernoffice@cihi.ca](mailto:westernoffice@cihi.ca)

For media inquiries:  
[media@cihi.ca](mailto:media@cihi.ca)



[www.cihi.ca](http://www.cihi.ca)  
*At the heart of data*



Canadian Institute  
for Health Information  
Institut canadien  
d'information sur la santé

## Prostate Cancer Surgery in Canada

### *Radical prostatectomies from coast to coast*

In 2013, an estimated 23,600 men in Canada were diagnosed with prostate cancer. Radical prostatectomies (RPs) account for 97% of surgeries performed to treat men with prostate cancer.

A report released by the Canadian Institute for Health Information examined trends in the delivery of RP across the country from 2006–2007 to 2012–2013.

### **Key findings**

#### **A breakdown of surgical approaches in Canada**

- 99.6% of laparoscopic procedures were performed in New Brunswick, Quebec, Ontario, Saskatchewan, Alberta and British Columbia.
- Almost all RPs in Newfoundland and Labrador, Prince Edward Island, Nova Scotia and Manitoba were done using open surgery.
- Robotic devices were used in selected hospitals in 4 provinces: Quebec, Ontario, Alberta and B.C.

#### **Open versus laparoscopic surgery**

- Patients who received laparoscopic procedures often had a shorter length of stay in hospital.
- Men who received open RPs spent less time in the operating room.
- Readmission rates were similar among open, robotic laparoscopic and non-robotic laparoscopic surgeries.

#### **RPs abroad**

- The United Kingdom and Canada had similar rates of robotic laparoscopic RPs (13% and 11%, respectively), while the rate was far higher in the United States (80%).
- The U.S. reported a 74% increase in robot-assisted RPs between 2000 and 2008, whereas there was no observed increase in Canada.