

The Case for Investing in Patient Safety: The Canadian Experience

April 13, 2018

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A Bold New Direction

Patient Safety

RightNow

Our Vision
of the Future

Vision Statement:

Canada has the safest healthcare in the world

CPSI's Role in
Achieving the Vision

Mission Statement:

To inspire and advance a culture committed to sustained improvement for safer healthcare

How We Will Fulfill
Our Role

Strategy:

Lead system strategies to ensure safe healthcare by demonstrating what works and strengthening commitment

- \$228 Billion (150 Billion €) in expenditures
- Population of 36 million
- Decentralized system & policy
- Universal coverage with no user fees
- Pharmaceuticals, long term care, home care varies across provinces and territories

Canadian Health System

Patient Safety

RightNow



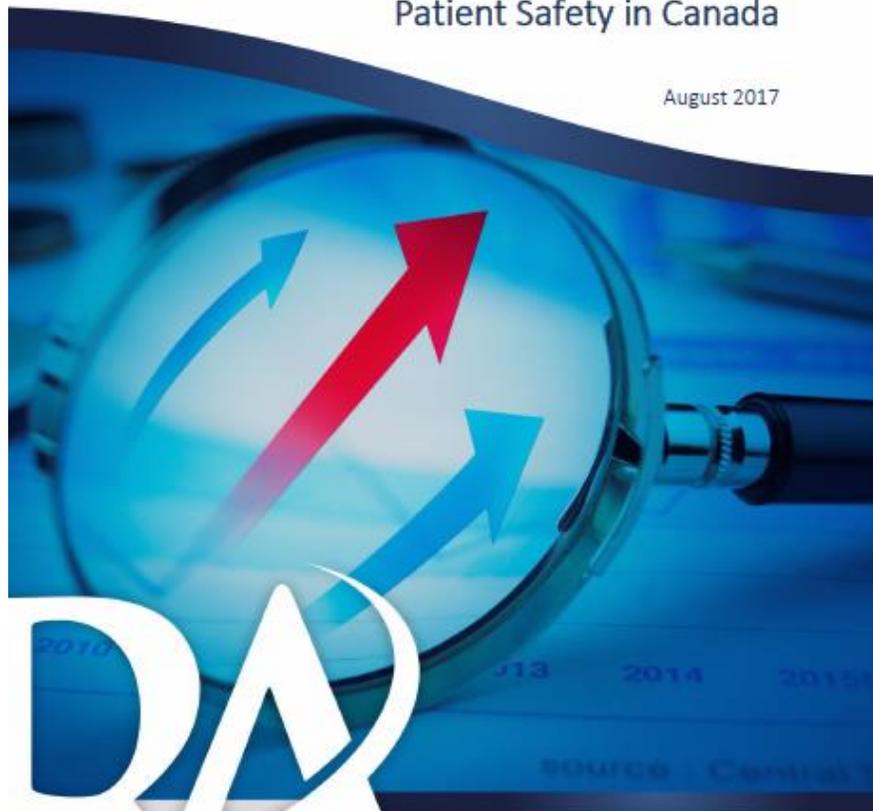
Structure and Governance of Quality & Patient Safety

- Health Canada
 - Federal legislation & policy direction
 - Regulation of health products
- Quality Councils
 - Systemic reviews, research, training, education
- Health Authorities
 - Quality & Patient Safety at point of care

The Case for Investing in Patient Safety

The Case for Investing in
Patient Safety in Canada

August 2017



- Updated assessment of impact of patient safety over the next 30 years
- Prosperity at Risk – Model estimate of over 40 health, social and financial risk factors

- \$ and resource decisions matter
- Allows comparison to other health issues and their respective burdens
- Health policy changes?
 - Evidence, dollars & facts
 - Limited resources & tough decisions
- **1€ = \$1.52 CAD**

- Over the next 30 years, it is estimated that a patient safety incident will occur in Canada every **1 minute and 18 seconds**
- This will result in **death** every **13 minutes and 14 seconds**

Scale of Patient Harm

Annual Averages

30-Year Totals

| Setting | Annual Averages | | | 30-Year Totals | | |
|------------|-----------------|---------------|---------------------------|----------------|-------------|---------------------------|
| | Incidence | Mortality | Healthcare Costs (2017\$) | Incidence | Mortality | Healthcare Costs (2017\$) |
| Acute Care | 190,000 | 24,000 | \$1.30B | 5.7M | 713,000 | \$39B |
| Home Care | 210,000 | 16,000 | \$1.45B | 6.4M | 478,000 | \$43B |
| | 400,000 | 40,000 | \$2.75B | 12.1M | 1.2M | \$82B |

Scale of Patient Harm



12.1 million

Canadians will be harmed by the
healthcare system

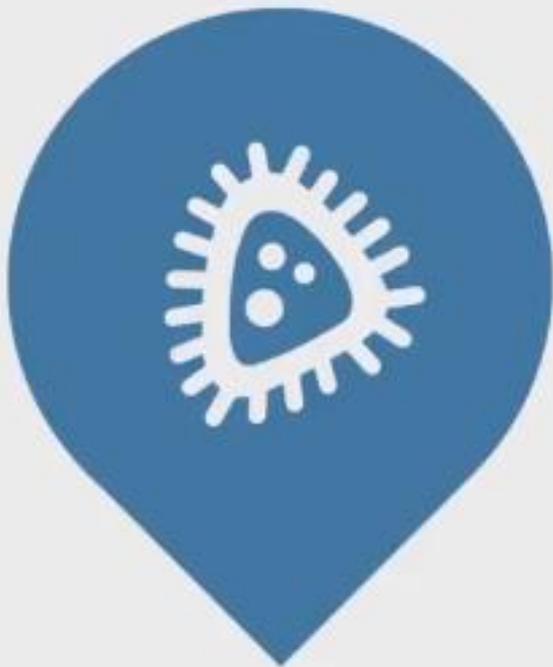
Scale of Patient Harm



1.2 million

Canadians will lose their lives
to a patient safety incident

Scale of Patient Harm in Canada

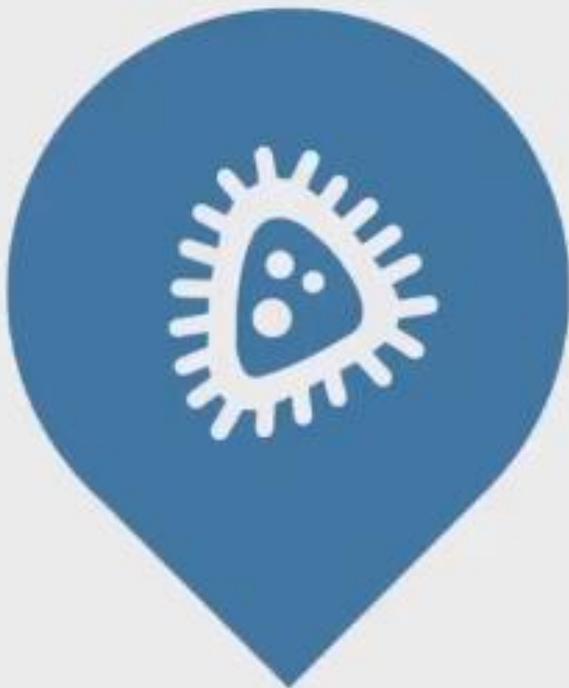


In the acute care setting, infections will be the biggest driver of patient safety incidents, accounting for roughly

70,000

patient safety incidents
per year on average

Scale of Patient Harm



generating an additional

\$480 million

per year on average in
healthcare costs

Scale of Patient Harm



Within acute and home care settings, patient safety incidents will cost the health care system

\$82B (2017\$)

Canadian experience in an International Context

Table 3 International comparison of estimated preventable PSI incidence rates

| Country | Estimated Preventable PSI Incidence Rate | Source |
|----------------|--|---|
| Canada | 5.6% | (CIHI;CPSI, 2016) |
| Australia | 5.3-8.3% | (Wilson, Runciman, Gibber, Newby, & Hamilton, 1995; Thomas, et al., 2000) |
| United Kingdom | 5.9% | (Vincent, Neale, & Woloshynowych, 2001) |
| Denmark | 3.6% | (Schioler, et al., 2001) |
| Netherlands | 2.3% | (Zegers, et al., 2009) |
| New Zealand | 6.3% | (Davis, et al., 2002; Davis, et al., 2003) |

Approximate Overall Costs

Patient Safety

RightNow

- **\$ 6,800** per patient
- Medication errors
 - **\$600** per event
- Surgical site infections
 - Up to **\$26,000** per event
- OECD data (2017)
 - **15%** of acute care expenditure consumed

Beyond Direct Impact: Disability

- Increased length of stay = increased risk
- 2/3 of incidents in home care result in long term disability
- Significant impact on caregivers
 - 28% of population & 35% of workforce
 - Lower productivity & absence
 - 16-33% will experience mental health illness

Beyond Direct Impact- Lost Productivity

- Time off work
- Lost wages
- Lost household productivity
- Absenteeism
- Mental illness
- Loss of confidence
- Costs of rehabilitation, treatment, counseling

Still a BIG issue : where to next?

- A large proportion of the incidence and costs of patient safety events are preventable
- Better data + better policy + better practice
- Cost of prevention < cost of harm
- Quantifying this information is **essential** to change

Where would I invest in patient safety?

1. Home Care

- Changing demographics = more patients at home
- Heavy investment from Ministries of Health

2. Medication Safety

- WHO 3rd Global Challenge on Patient Safety
- Use, misuse and # of drugs going up = more risk

3. Measurement & Evaluation

Questions

