

End-of-Life Care in Canada

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(Canada is cool)

EOL in Canada – the numbers...

- 260,000 deaths in 2016 (0.7% of population)
- 4.2 million seniors, will double by 2036
- 60% die in acute care facilities, 20% in other health facilities
 - ~15% admitted to ICU during final admission
 - 51% have life-support withdrawn
 - 49% die on life support
 - 3% receive CPR at/near death

Fowler and Hammer. *Clin Invest Med* 2013;36:E127-36.

Chaudhuri et al. *Critical Care* 2017;21:124

Cook et al. *NEJM* 2003;349:1123-32

EOL in Canada – the numbers

Location of Death

- 58% die in hospital
 - 15% have PC admission
- 20% die in long-term care
- 15% die at home

- Variability by...
 - Disease trajectory
 - Rural vs. urban

Location of Care

- 62% hospitalized in final year of life
 - Mean 32 days
- 37% hospitalized in final month
 - Mean 14 days

- Variability by...
 - Disease trajectory

CIHI (2007) Health Care Use at the End of Life in Western Canada

CIHI (2011) Health Care Use at the End of Life in Atlantic Canada

Palliative Care in Canada

- PCU admissions in Toronto
 - 79% Cancer
 - 4.5% “Heart Disease”
 - 3.1% Dementia
 - 2.2% “Respiratory Disease”
- Inpatient PC consultation in Canada
 - 70-80% Cancer
 - 20-30% noncancer
- Inpatients dying of noncancer vs. cancer
 - Organ failure- 5x less likely to get PC
 - Frailty- 10x less likely to get PC

Downar et al. J Pall Med 2012;15:661-6.

Selby et al. JPSM 2011;42: 578-88.

Lau et al. JPSM 2009;37:965-72.

CIHI. *Health Care Use at the End of Life in Western Canada*.2007

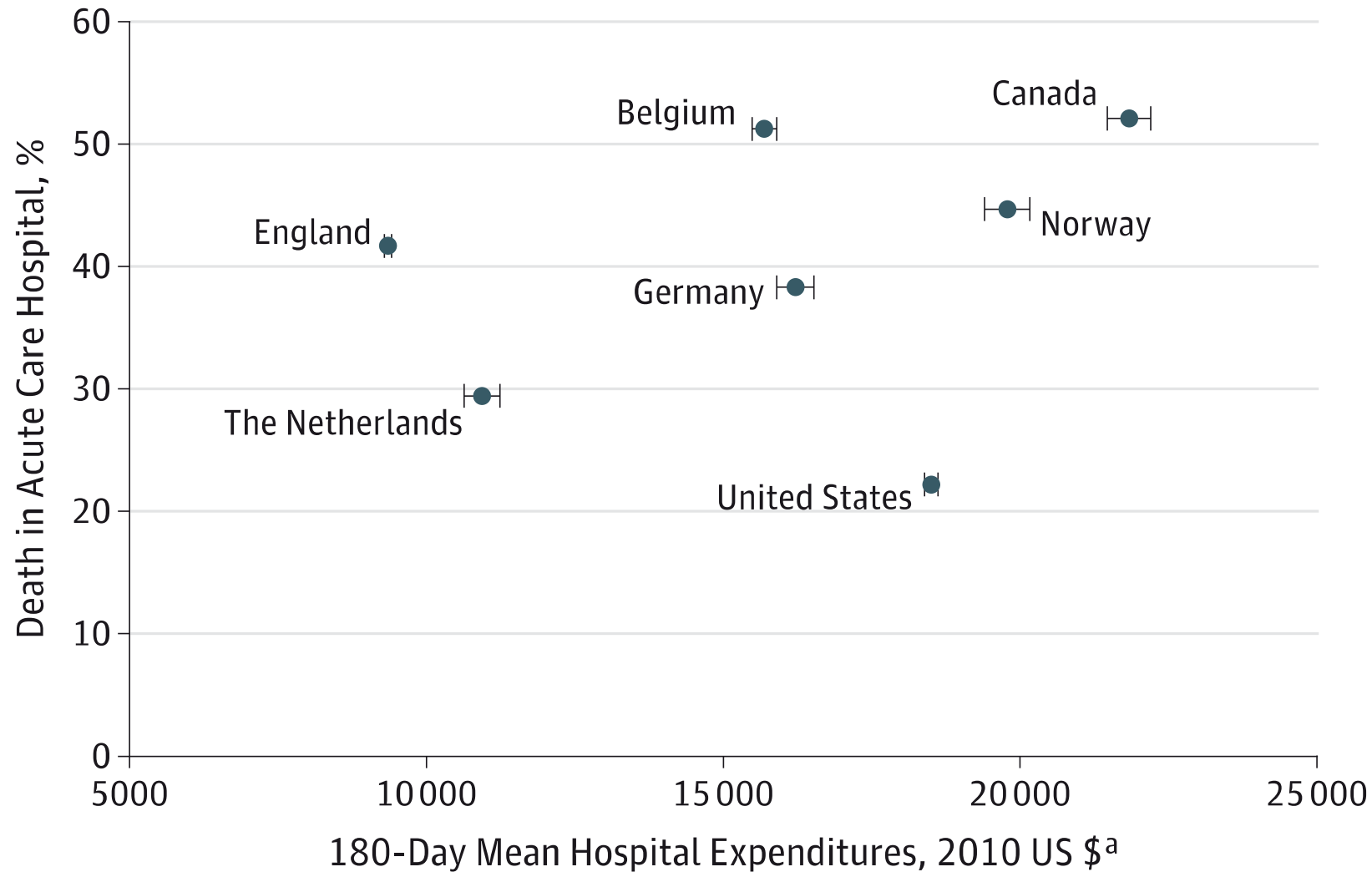
EOL in Canada – MAID

- First 9 months...
 - 1324/195,000 = 0.68%
- Numbers increasing in Ontario
 - July-Dec 2016- 31/month
 - Jan-Jun 2017- 60/month
- Highly variable by region

Medically assisted deaths in Canada

TOTAL	1,324	
QUEBEC	469	DEC. 10, 2015 - DEC. 9, 2016
ONTARIO	365	JUNE 17, 2016 - MARCH 31, 2017
B.C.	285	JUNE 17, 2016 - FEB. 28, 2017
ALBERTA	100	JUNE 17, 2016 - MARCH 31, 2017
MANITOBA	37	JUNE 17, 2016 - MARCH 31, 2017
N.S.	31	JUNE 17, 2016 - MARCH 31, 2017
SASK.	21	JUNE 17, 2016 - MARCH 31, 2017
N.B.	9	JUNE 17, 2016 - DEC. 31, 2016
N.L.	7	JUNE 17, 2016 - MARCH 31, 2017
P.E.I.	0	JUNE 17, 2016 - MARCH 31, 2017
N.W.T.	0	-
NUNAVUT	0	-
YUKON	*	Would not divulge, saying small population raises confidentiality concerns

Figure. Hospital Expenditures in the Last 180 Days of Life for Patients Older Than 65 Years Dying With Cancer in Acute Care Hospitals in 7 Developed Nations



(Canada is not cool)

The 2015 Quality of Death Index

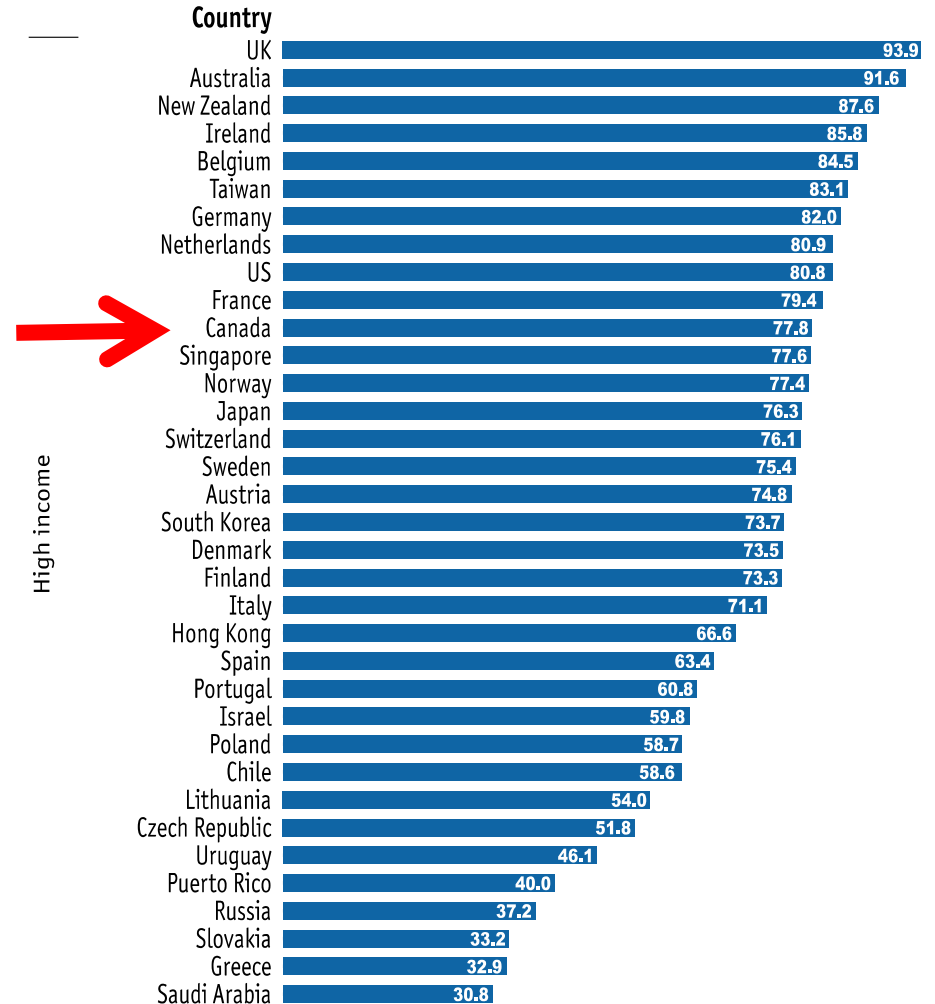
Ranking palliative care across the world

The Economist

Intelligence Unit

- Canada 11th overall
- 18th for “Palliative and Healthcare environment”
- Presence/effectiveness of gov’t PC strategy- 3/5
 - Mongolia- 4/5
 - Panama- 4/5

2015 Quality of Death Index—Ranking by income group



Auditor General of Ontario Report on PC (2014)

- “Strategic policy framework not in place”
- “Little...information on the supply of or demand for PEOLC”
- “Access to palliative care services is not equitable”
- “Most publicly funded services used by cancer patients”

EOL in Canada – Wishes and Planning

- Among seriously ill inpatients...
 - 76% have thought about their EOL care
 - 70% would prefer to die at home
 - 12% would want life-prolonging therapy
 - 54% admitted to ICU during final admission
- Relatives of deceased are 17.9 times more likely to be satisfied with EOL care if pt died in preferred location of death

Heyland et al. *CMAJ* 2006;174:627-33.

Heyland et al. *JAMA Int Med* 2013

Sadler et al. [Abstract] Presented at ATS 2013.

EOL in Canada – Decisions and Disputes

- Shared Decision-Making
- Requests/disputes about non-beneficial treatment
 - Acquiescence
 - Unilateral decision-making by MD
 - Conflict resolution (?)
 - Second opinion
 - Consent and Capacity Board

Thank you for your attention

