

On Call with VGH Experts



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Women's Health Forum

Dr. Saul Isserow

*Director, VGH Centre for Cardiac
Rehabilitation and Associate
Director, Cardiology Services,
UBC Hospital*

September 28, 2005

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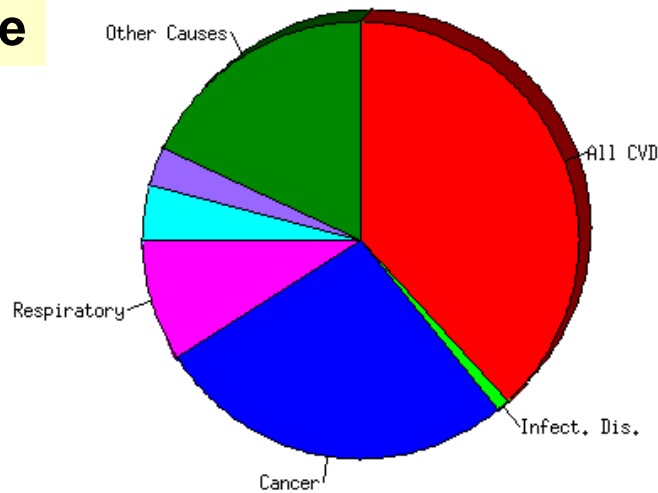


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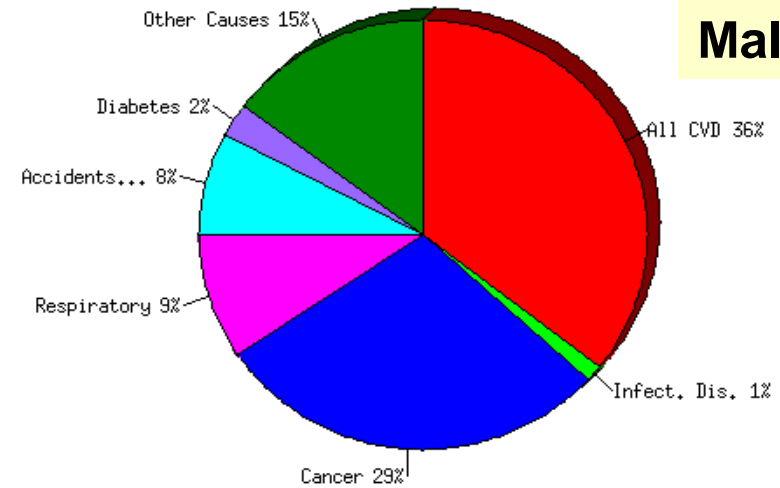
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Leading causes of death in Canada (1997)

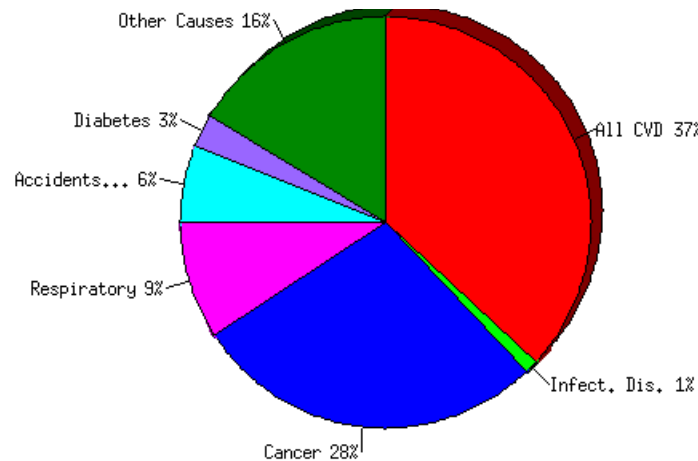
Female



Male



Both



Source: Statistics Canada

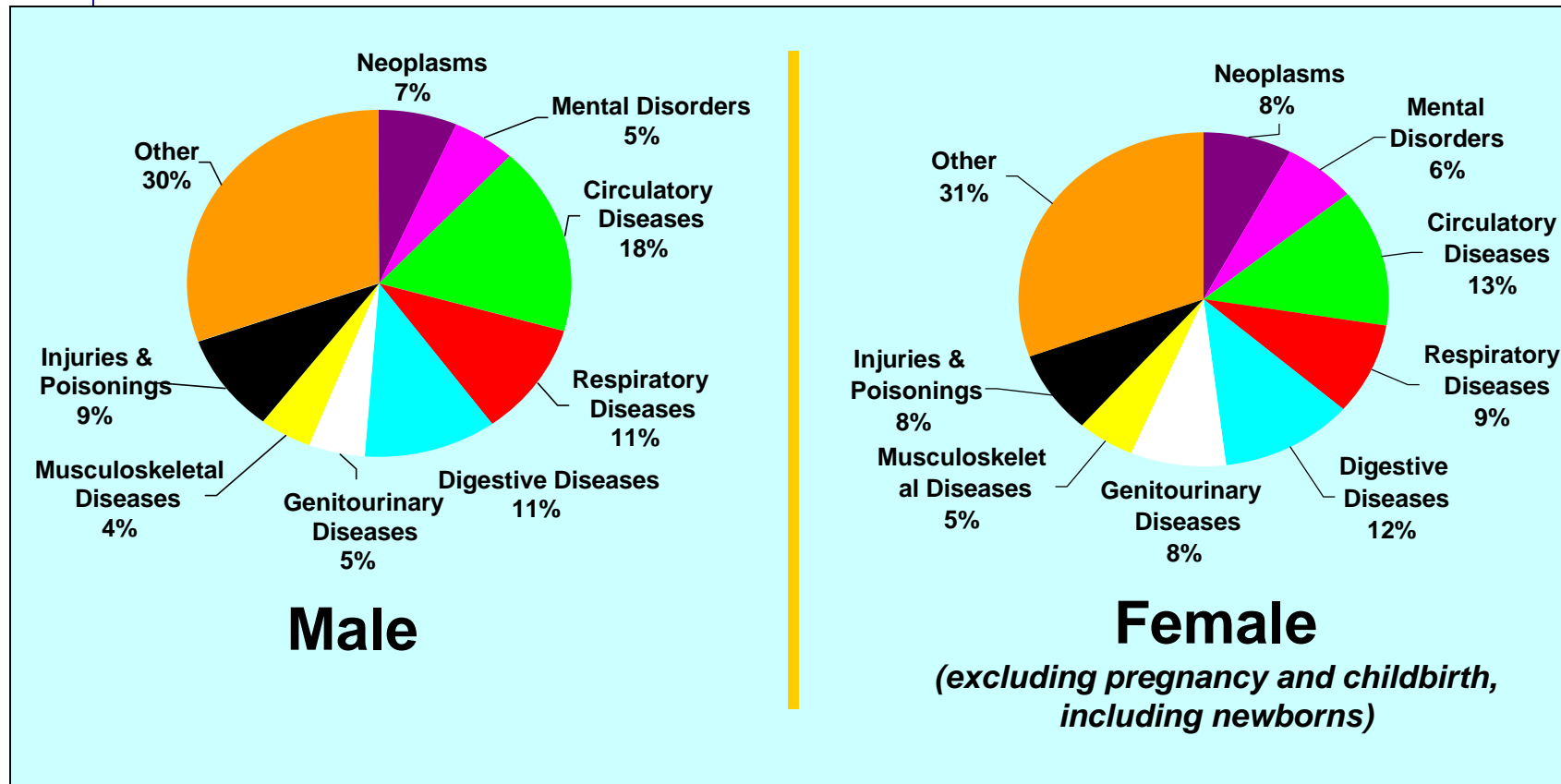
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Proportions of hospitalizations by diagnosis in Canada (1996/97)



Source: Hospital Morbidity Database, Canadian Institute for Health Information

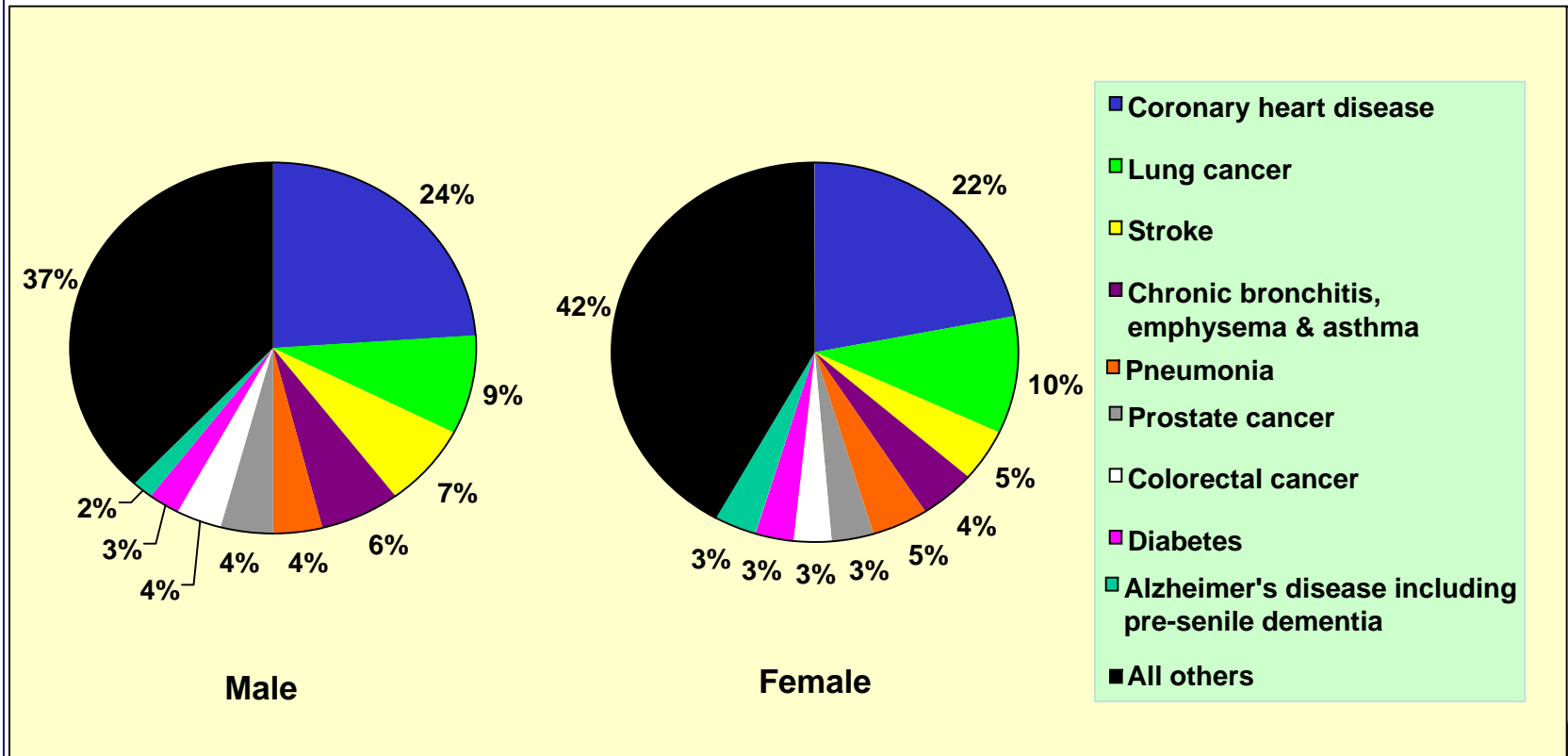
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Distribution of deaths among Canadians aged 65+(1997)



Source: Statistics Canada; Prepared by: Aging-related Diseases Division, May, 2000

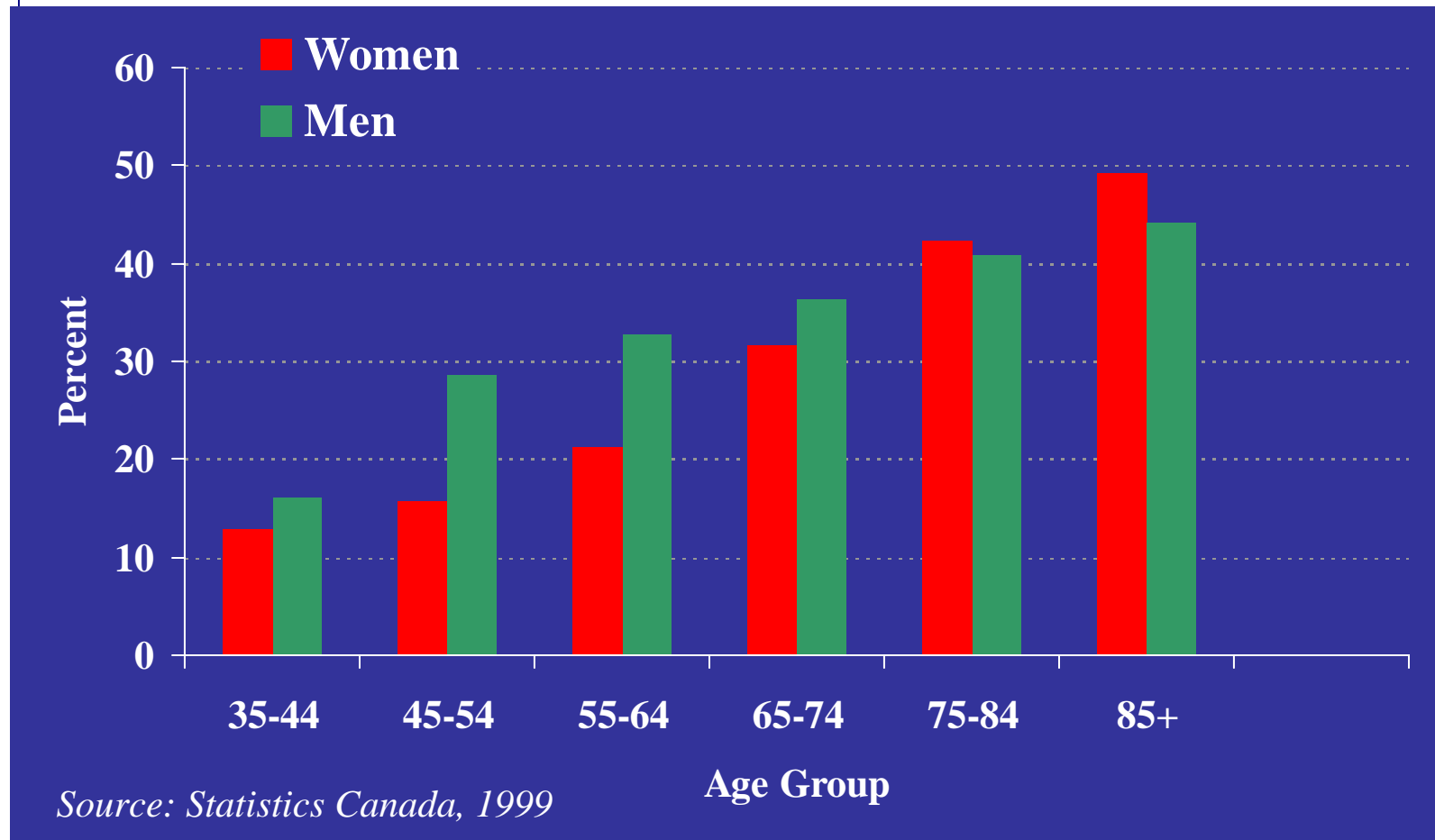
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Percentage of total deaths due to cardiovascular diseases by age group and sex in Canada (1997)






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Prevalence of hypertension in Canada

			
Prevalence (%)	26	18	22
Prevalence (#)	2,422,727	1,677,273	4,100,000

Joffres M. Am J Hypertens 1997;10:1097







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Canadian heart health surveys on HBP

			
Unaware (%)			
Aware but <u>not</u> treated (%)	20	15	18
Treated but <u>not</u> Controlled (%)	20	31	24
Treated and Controlled (%)	12	20	16

Joffres M. Am J Hypertens 1997;10:1097

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Hypertension: Who to treat

Stratification of Risk – Quantifying Prognosis

	Blood Pressure (mm Hg)		
	SBP 140-159 or DBP 90-99	SBP 160-179 or DBP 100-109	SBP ≥ 180 or DBP ≥ 110
No other risk factors	LOW RISK	MED RISK	HIGH RISK
1-2 risk factors	MED RISK	MED RISK	VHIGH RISK
3 or more risk factors or TCO or Diabetes	HIGH RISK	HIGH RISK	VHIGH RISK
ACC	VHIGH RISK	VHIGH RISK	VHIGH RISK

1999 WHO-ISH HYPERTENSION PRACTICE GUIDELINES FOR PRIMARY CARE PHYSICIANS

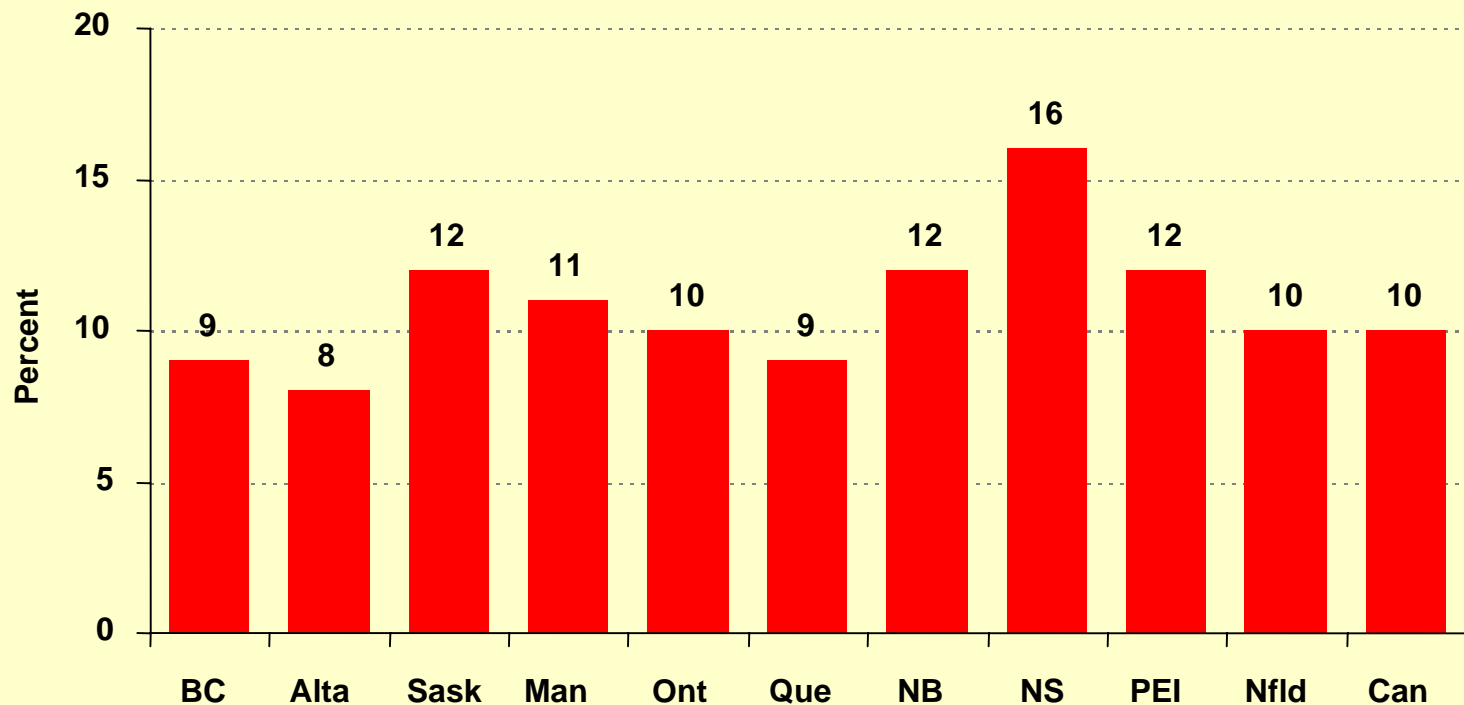
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Proportion of adults who have high blood pressure by province in Canada (1996/97)



Source: Statistics Canada, National Population Health Survey, Cycle 2, 1996/97

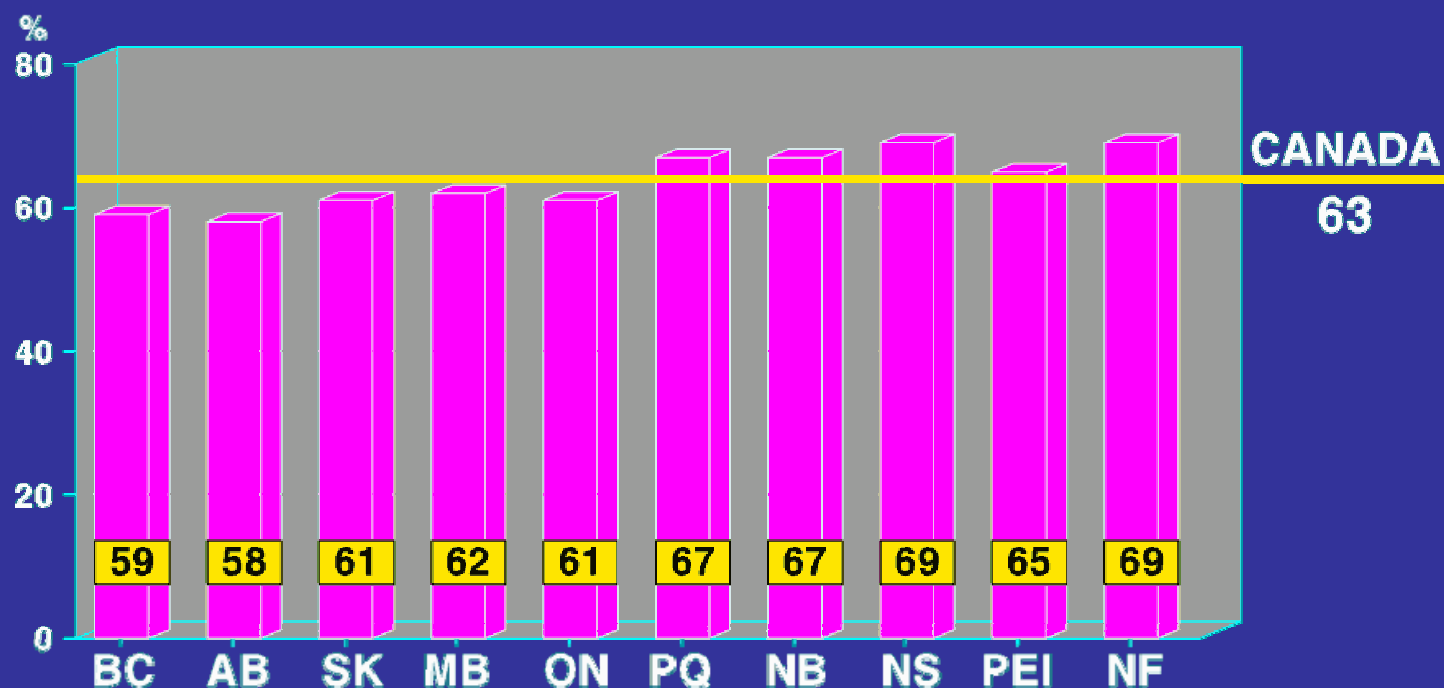
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PERCENTAGE OF POPULATION AGED 18-74 WITH AT LEAST ONE MAJOR RISK FACTOR



• Smoking, high blood pressure and elevated cholesterol

• Age-sex adjusted to the 1986 population

CANADIANS AND HEART HEALTH: REDUCING THE RISK, HEALTH CANADA, OTTAWA, 1995

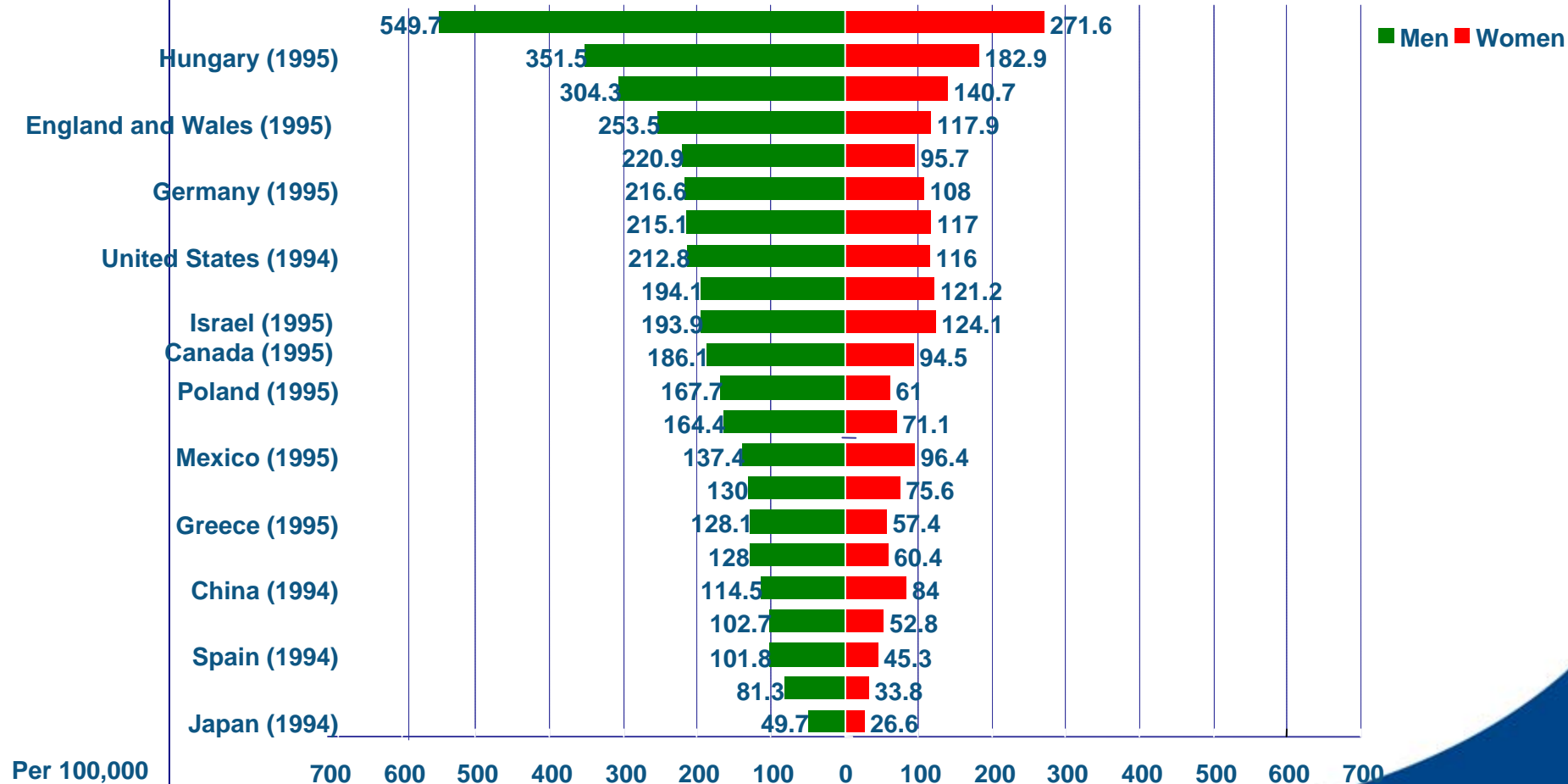
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Age-standardized mortality rates, IHD, world, mid-1990s



Source: 1996 World Health Statistics Annual, WHO

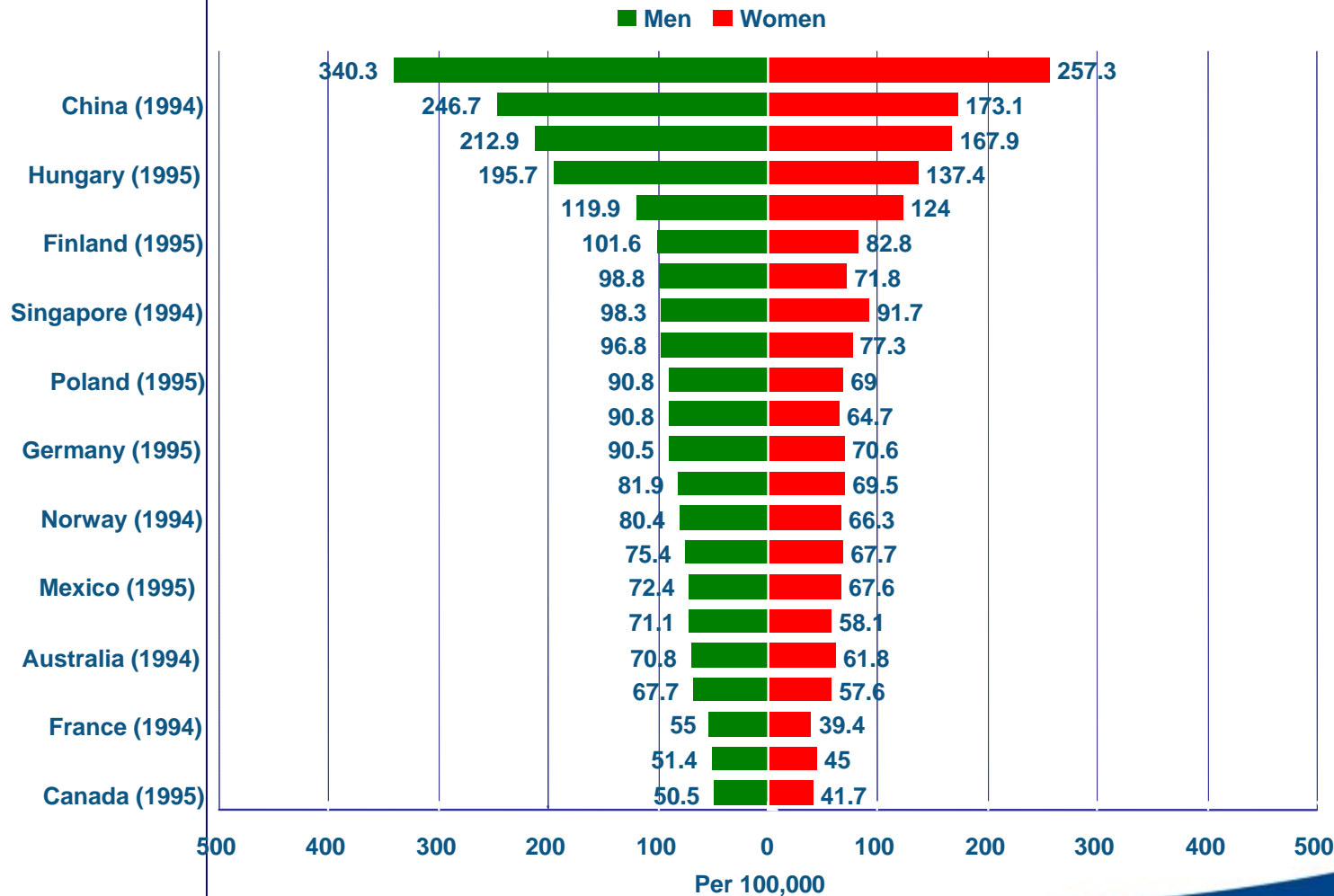
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Age-standardized mortality rates, cerebrovascular disease (world, mid-1990s)



Source: 1996 World Health Statistics Annual, WHO

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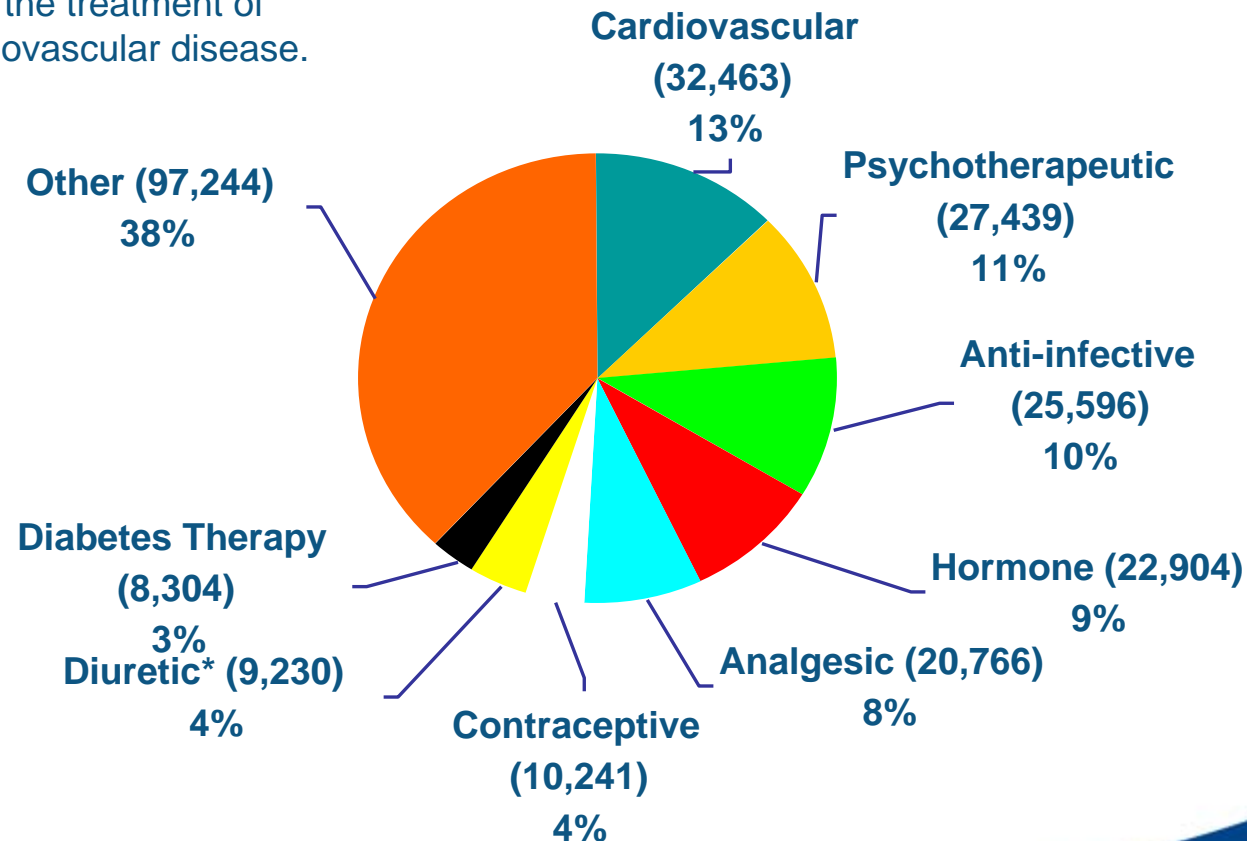


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Estimated number and % of prescriptions dispensed in a sample of retail pharmacies in Canada (1998)

* Diuretics are most often used in the treatment of cardiovascular disease.



Source: Intercontinental Medical Statistics (IMS) Canada, Compuscript, 1998

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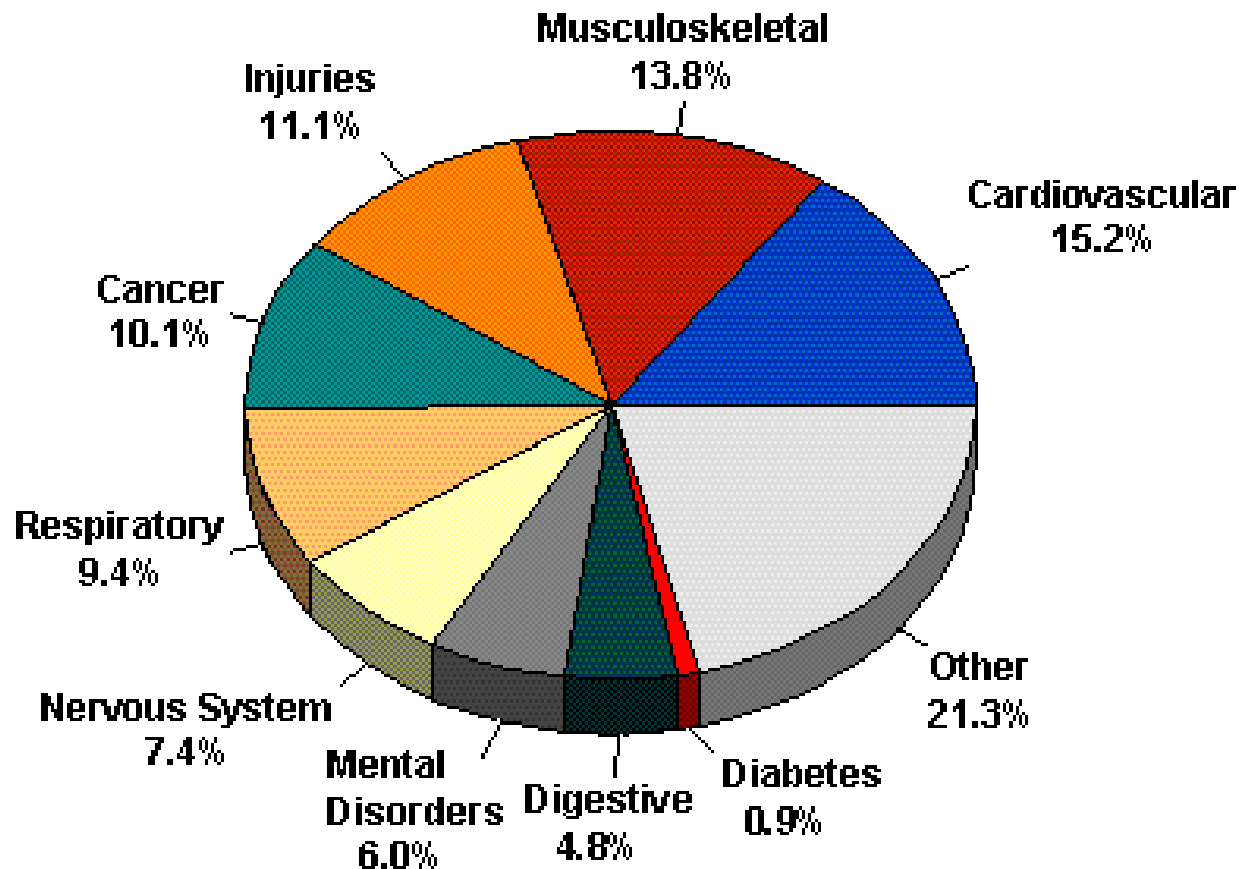
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Economic Burden of Illness

Percentage of Total Cost by Category: Canada 1993

Total direct & indirect estimated cost: **\$156.4B**

Total burden due to CVD & stroke: **22.6% (\$35.35B)**



Total Direct and Indirect Estimated Cost for 1993: \$129.2 billion
Laboratory Centre for Disease Control, 1996

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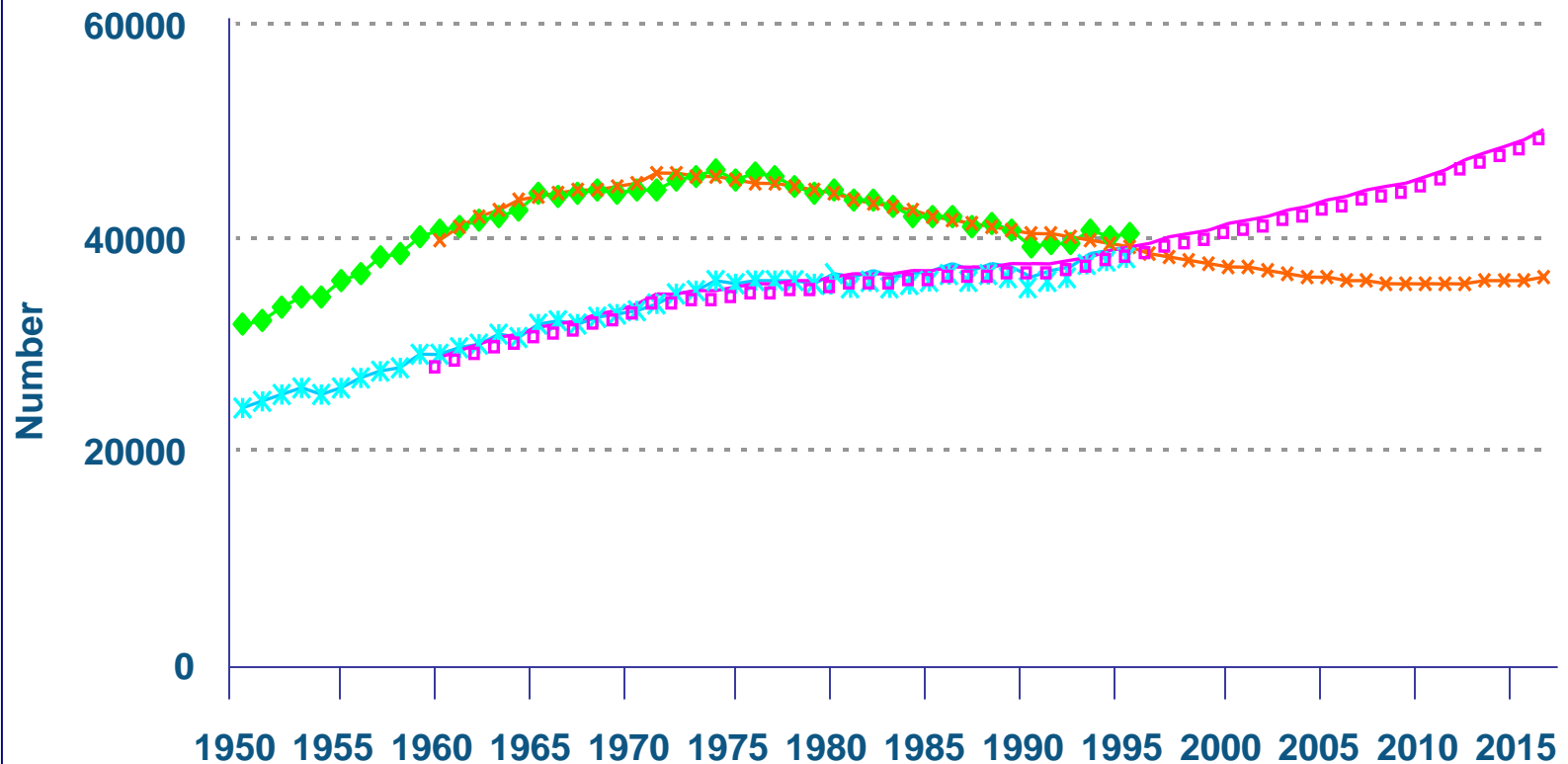


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Number of cardiovascular disease deaths by sex, actual and projected in Canada (1950-2016)

Source: LCDC, Health Canada, unpublished work



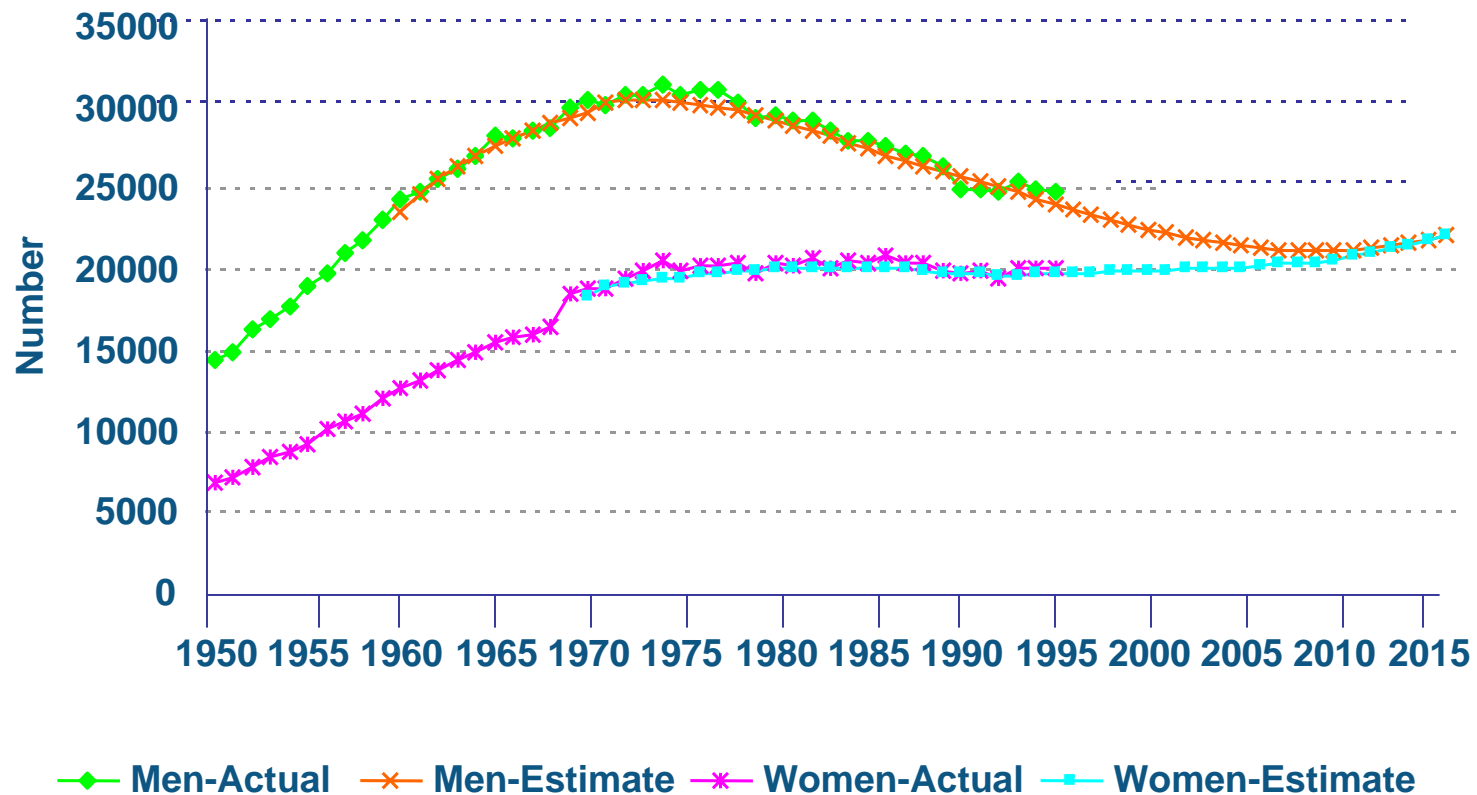
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Number of ischemic heart disease deaths by sex, actual and projected in Canada (1950-2016)



Source: LCDC, Health Canada, unpublished work

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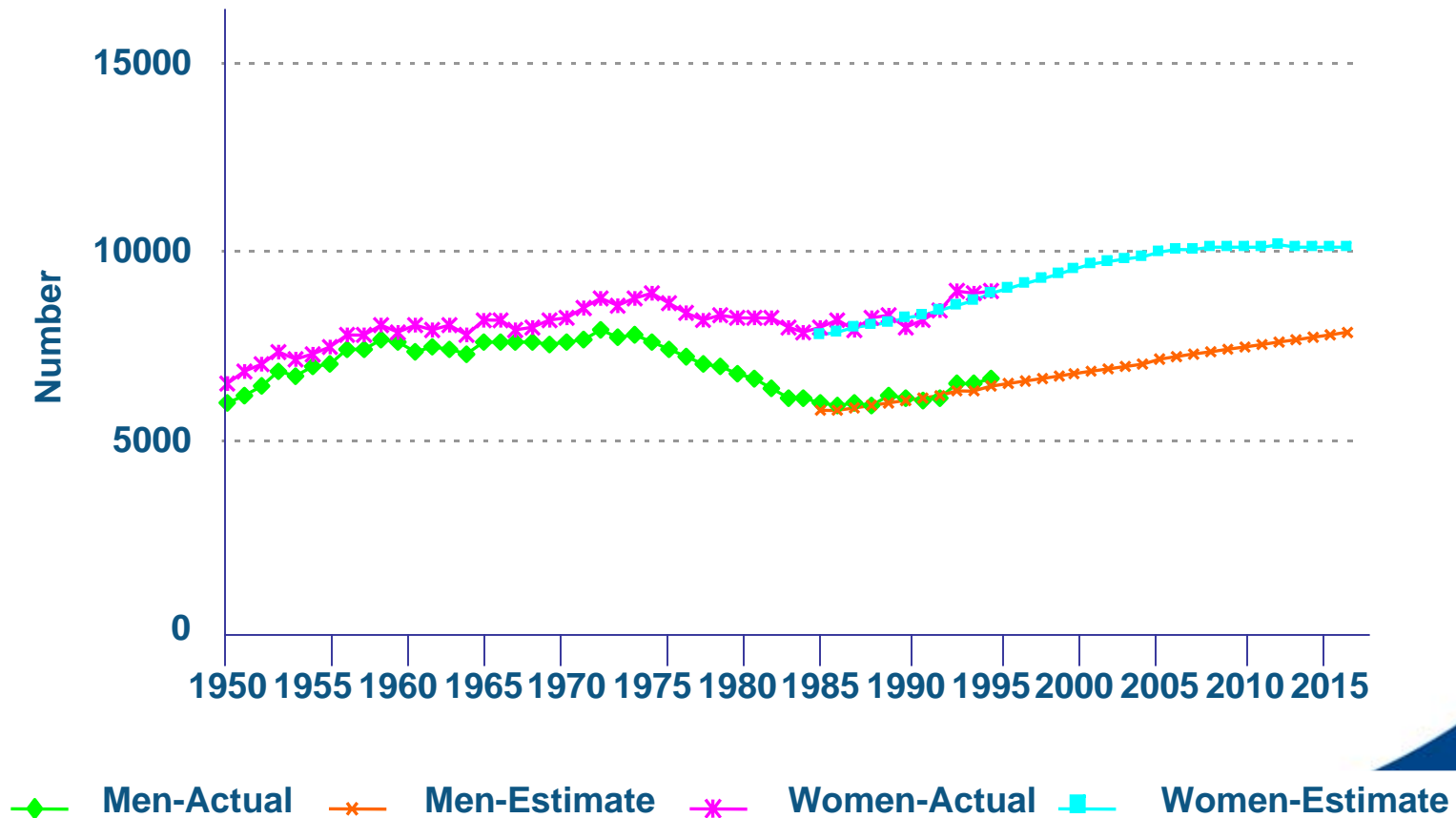


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Number of cerebrovascular disease by sex, actual and projected in Canada (1950-2016)

Source: LCDC, Health Canada, unpublished work



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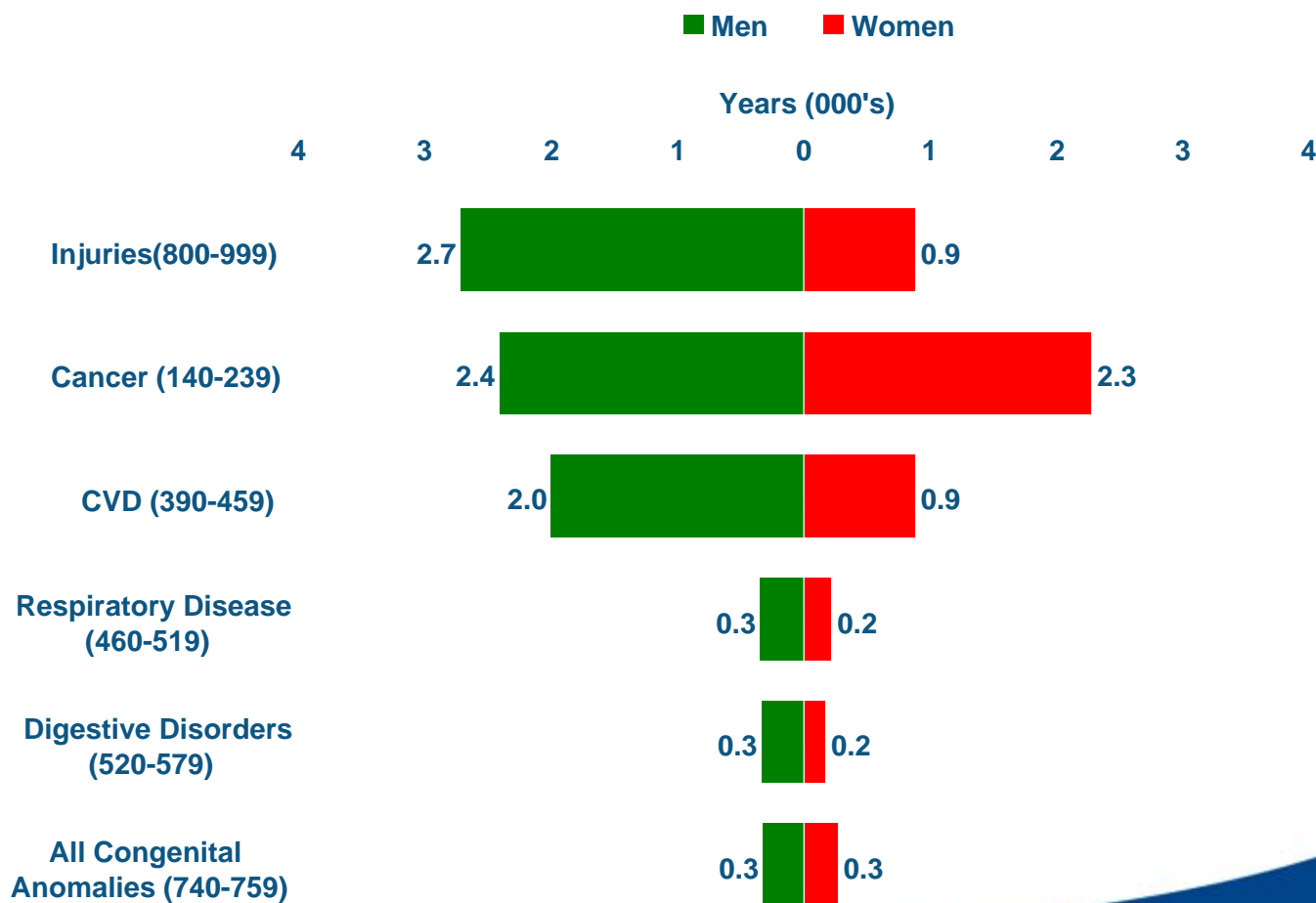


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Number of potential years of life lost (PYLL) prior to age 75 by disease category (1997)

Source: Laboratory Centre for Disease Control, 1999



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