

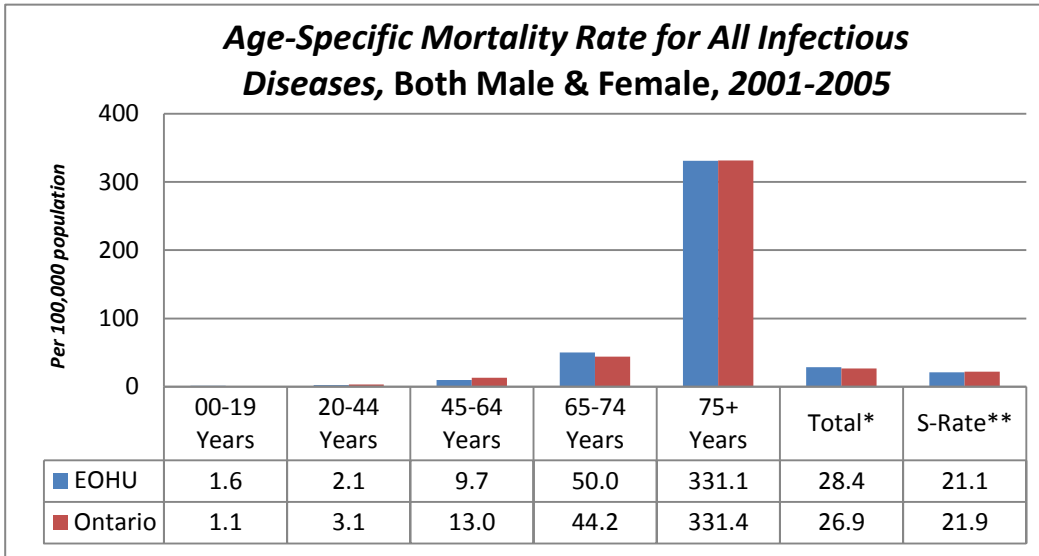
Health Indicators

10. Infectious Diseases

10-01. Infectious Disease Mortality

[Description](#)

Mortality Rate for all Infectious Diseases, by Age Group

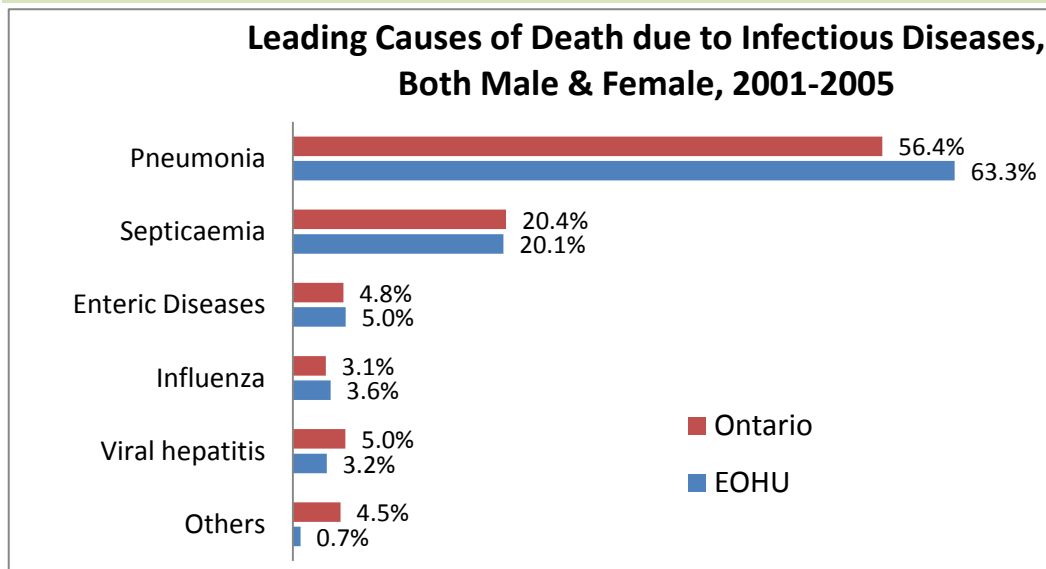


* The total is presented using the crude rate

**S-Rate: Age-Standardized Mortality Rate

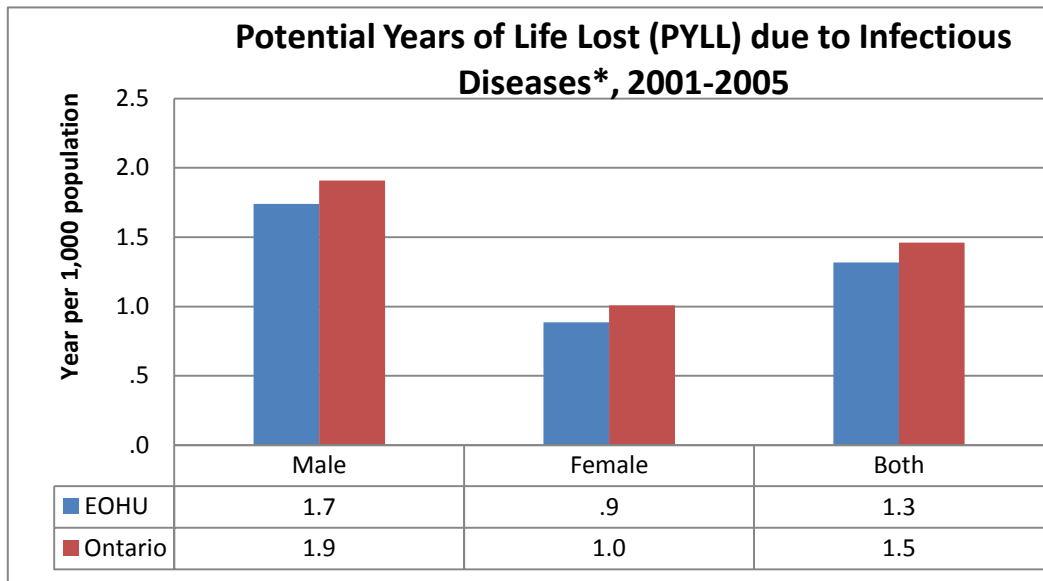
Source: IntelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care

Leading Causes of Death due to Infectious Disease



Source: IntelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care

Potential Years of Life Lost (PYLL)* due to Infectious Diseases



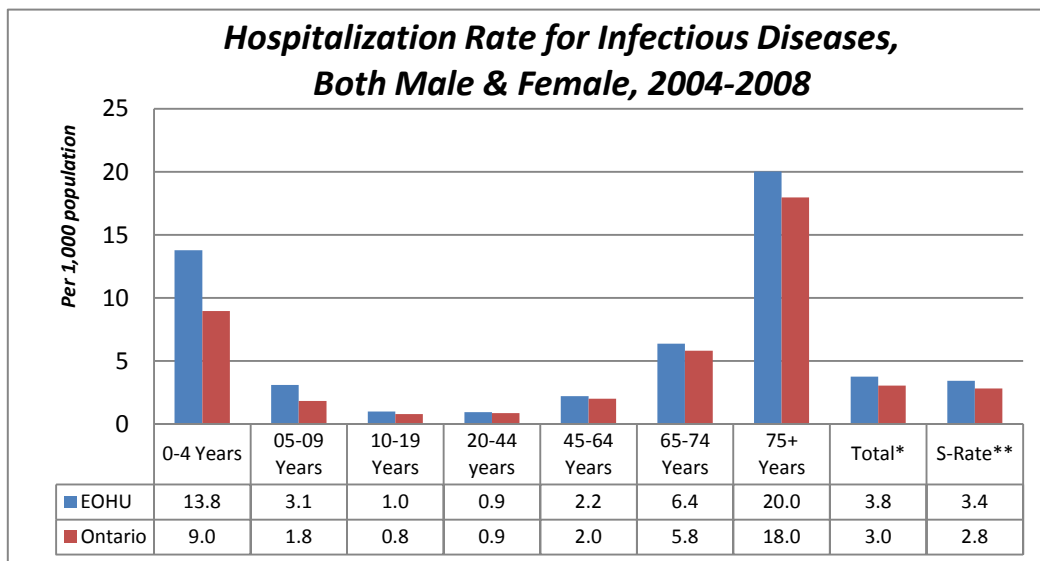
*Note: The potential years of life lost (PYLL) is the number of years of life “lost” when a person dies from any cause before the age of 75.

Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

10-2. Infectious Disease Morbidity

[Description](#)

Hospitalization Rate for All Infectious Diseases

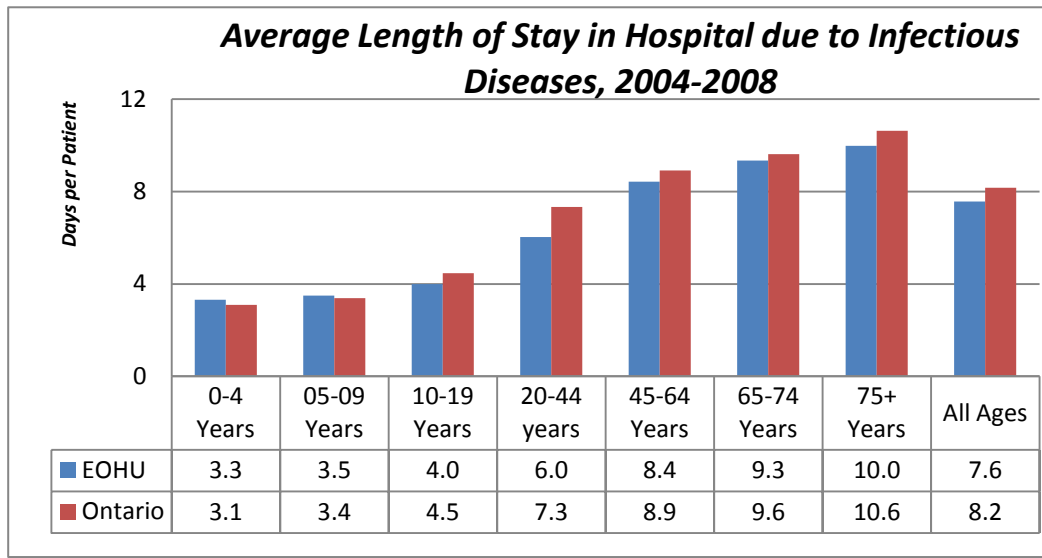


* The total is presented using the crude rate

**S-Rate: Age-Standardized Mortality Rate

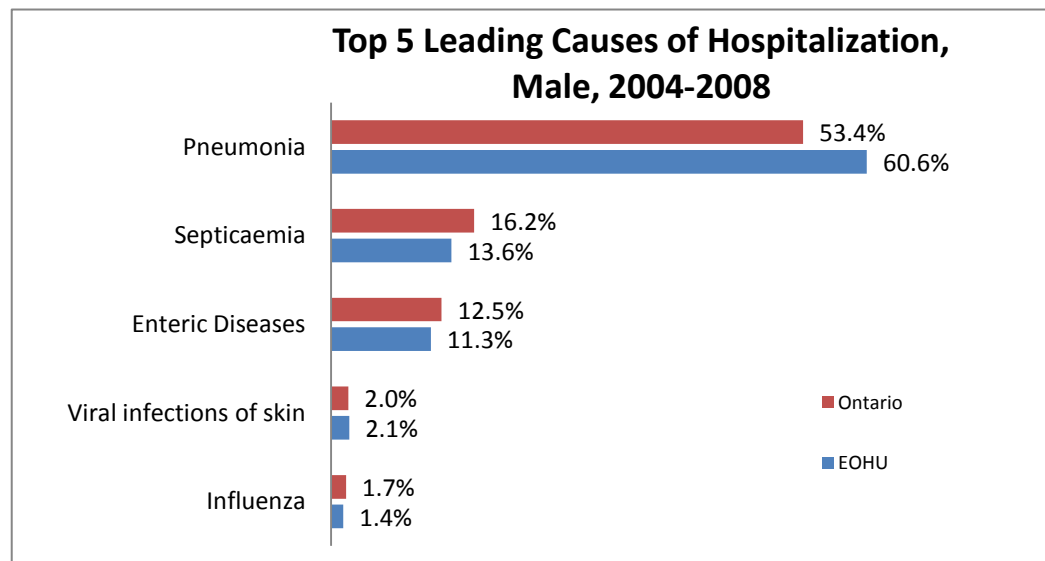
Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

Average Length of Stay in Hospital (Day/per patient) due to Infectious Diseases

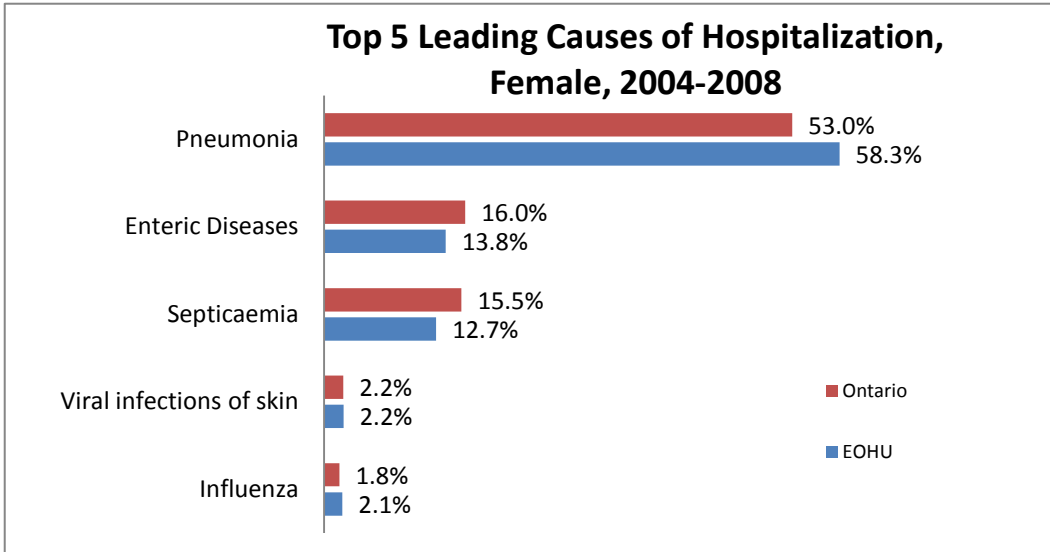


Source: IntelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care

Leading Causes of Hospitalization:

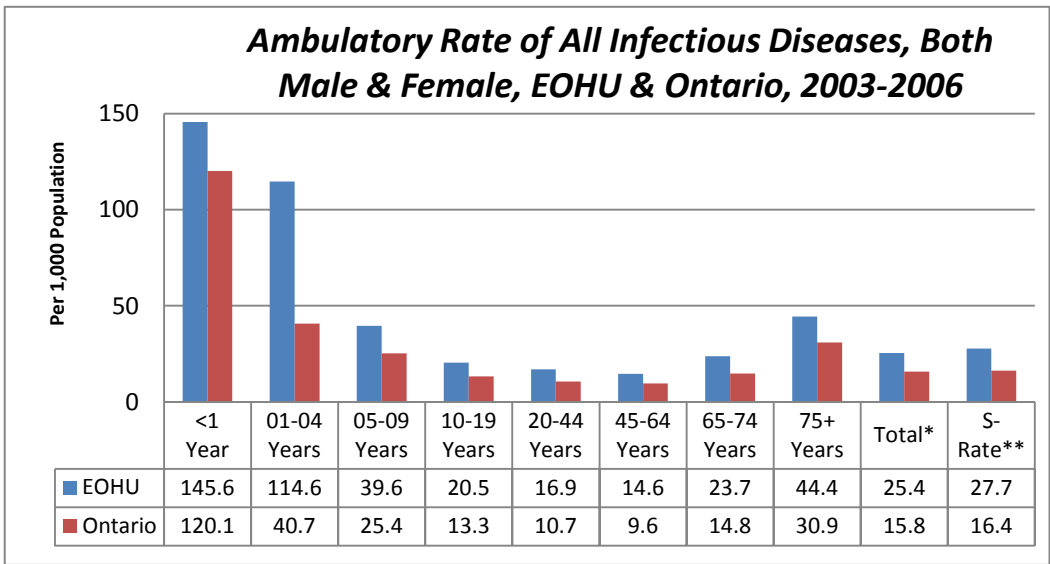


Source: IntelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care



Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

Ambulatory Rate of All Infectious Diseases

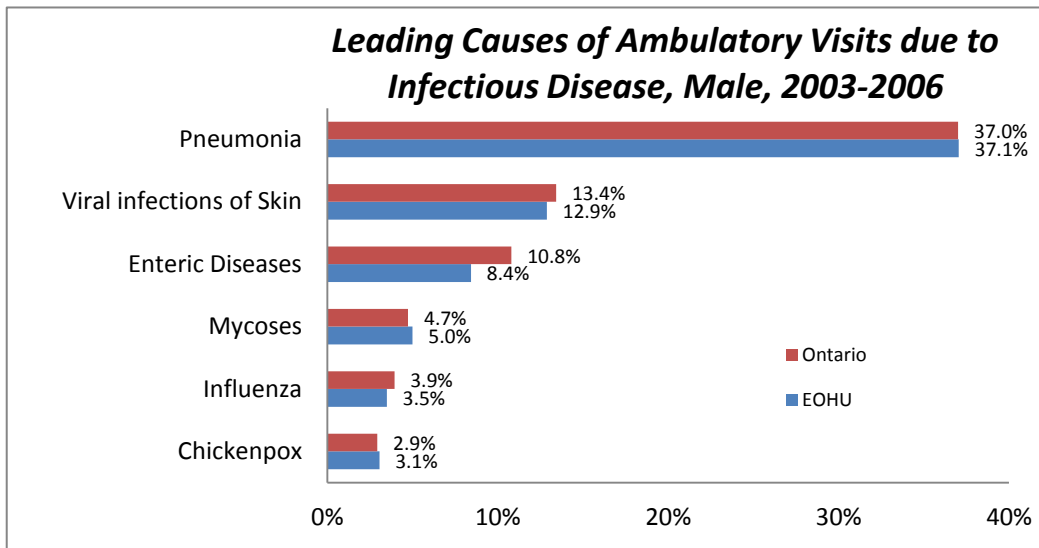


* The total is presented using the crude rate

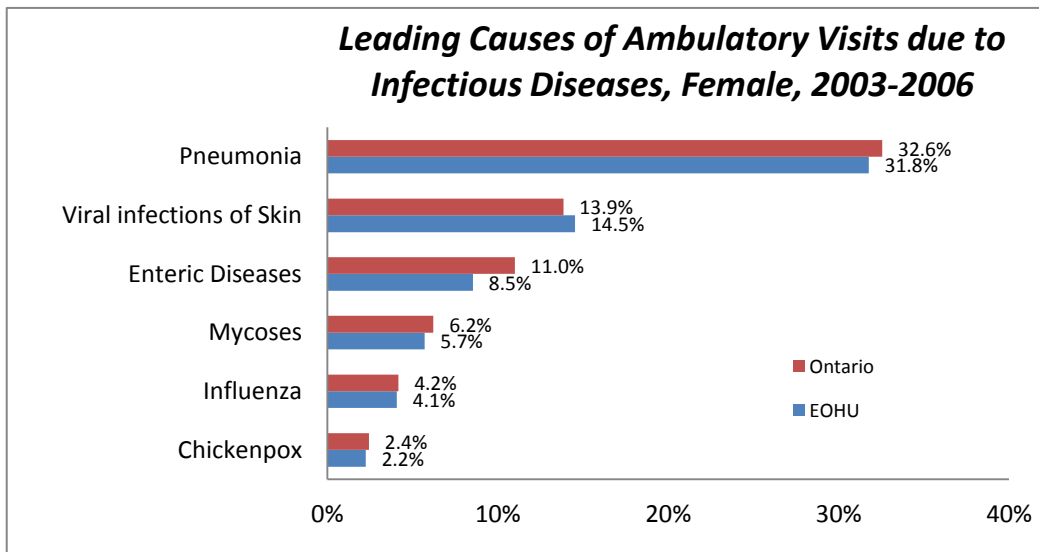
**S-Rate: Age-Standardized Mortality Rate

Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

Leading Causes of Ambulatory ER Visits due to Infectious Disease



Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

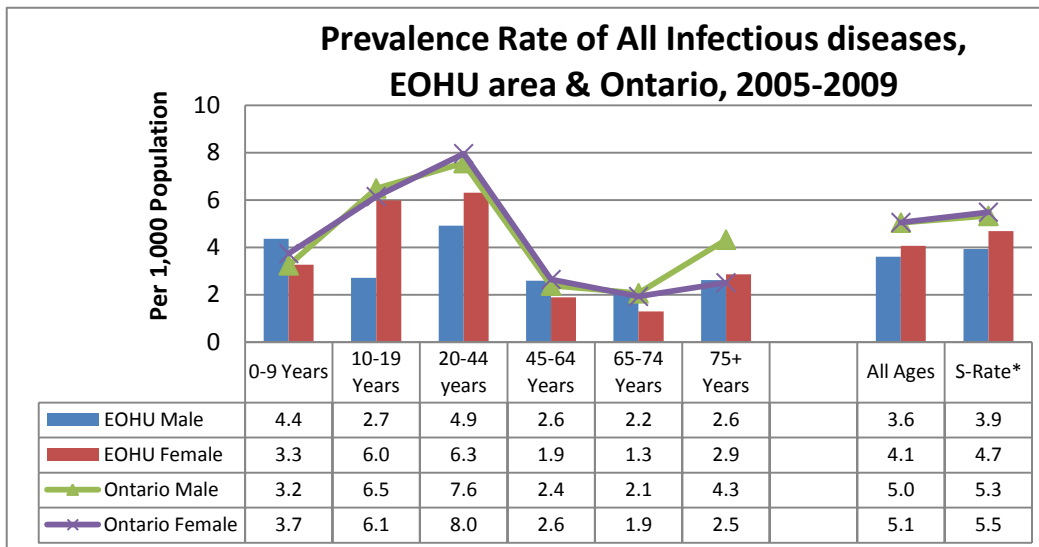


Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

10-03. Infectious Disease Incidence

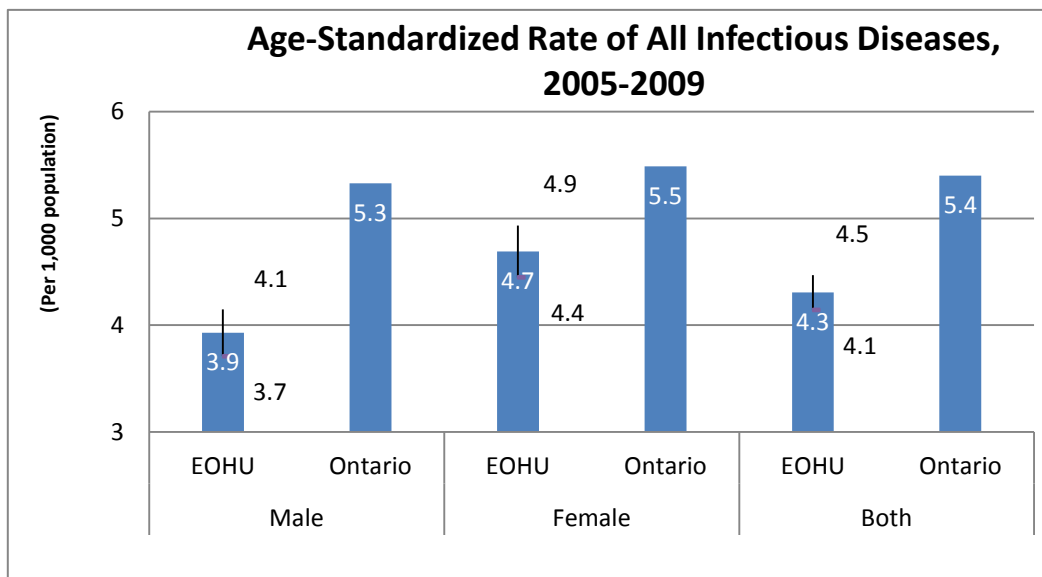
[Description](#)

Incidence Rate for All Infectious Diseases in Age Groups



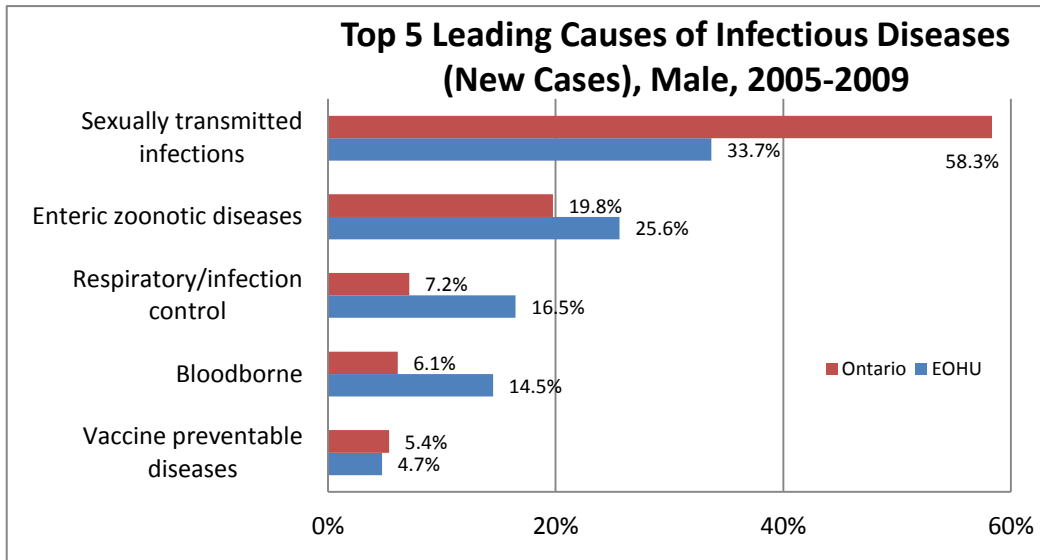
*S-Rate: Age-Standardized Mortality Rate

Source: integrated Public Health Information System (iPHIS , 2009)

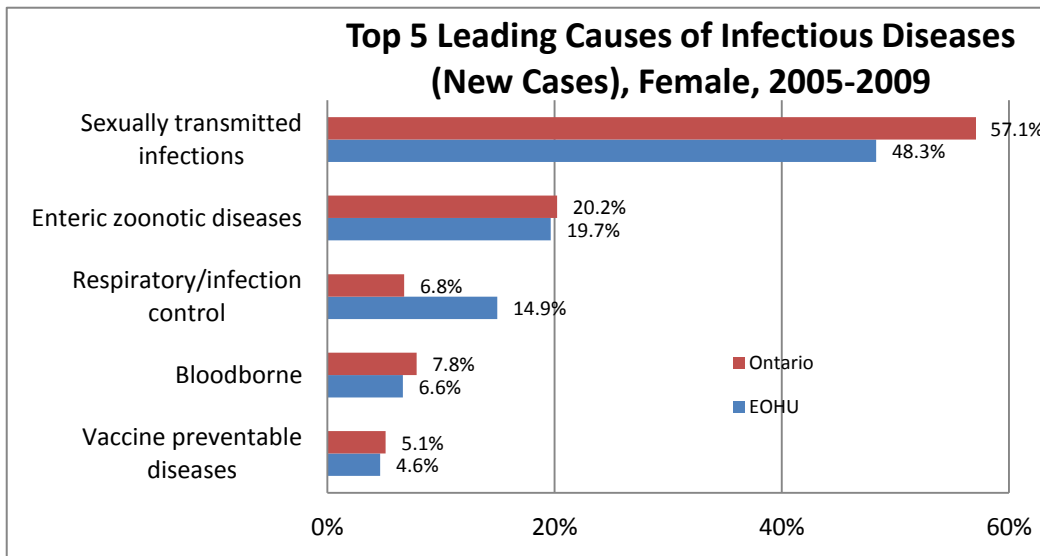


Source: integrated Public Health Information System (iPHIS, 2009)

Leading Causes of New Cases of Infectious Disease



Source: *integrated Public Health Information System (iPHIS , 2009)*



Source: *integrated Public Health Information System (iPHIS , 2009)*

The Proportion of infectious diseases in Each Group:

Bloodborne/Sexually Transmitted Infections, 2005-2009

	EOHU		Ontario	
	N	%	N	%
Chlamydia	1146	72.1%	121994	71.9%
Hepatitis B,C,D	313	19.7%	18028	10.6%
Gonorrhoea (all types)	72	4.5%	18421	10.9%
Syphilis	36	2.3%	7839	4.6%
HIV/AIDS	21	1.3%	3018	1.8%
Other	2	0.1%	310	0.2%
Total	1590	100%	169610	100%

Source: integrated Public Health Information System (iPHIS , 2009)

Enteric Zoonotic Diseases, 2005-2009

	EOHU		Ontario	
	N	%	N	%
Campylobacter Enteritis	314	45.8%	18297	35.5%
Salmonellosis	153	22.3%	12717	24.7%
Giardiasis	70	10.2%	7700	15.0%
Cryptosporidiosis	47	6.9%	1687	3.3%
E. Coli	20	2.9%	1321	2.6%
Other	81	11.8%	9753	18.9%
Total	685	100%	51475	100%

Source: integrated Public Health Information System (iPHIS , 2009)

Vaccine Preventable Diseases, 2005-2009

	EOHU		Ontario	
	N	%	N	%
Streptococcus Pneumoniae	65	45.8%	5048	37.3%
Meningitis	36	25.4%	1734	12.8%
Pertussis	14	9.9%	4037	29.9%
Mumps	8	5.6%	494	3.7%
Chickenpox	7	4.9%	809	6.0%
Meningococcal disease	7	4.9%	290	2.1%
Other	5	3.5%	1104	8.2%
Total	142	100%	13516	100%

Source: integrated Public Health Information System (iPHIS , 2009)

10-04. Childhood Vaccination Coverage

[Description](#)

Percentage of School Children With Up-to-Date Vaccines:

Vaccine		2007	2008	2009
Daycare Nurseries	<i>Haemophilus-B</i>	65%	62%	68%
	<i>Diphtheria, Tetanus and Pertussis</i>	63%	64%	66%
	<i>Measles, Mumps and Rubella (MMR)</i>	82%	86%	87%
Primary Schools	<i>Polio IPV/OPV</i>	59%	64%	70%
	<i>DPT-P and MMR</i>	80%	83%	84%
	<i>Meningitis-C</i>	91%	77%	79%
Secondary Schools	<i>DPT-P and MMR</i>	90%	84%	83%
	<i>Meningitis-C</i>	72%	73%	79%

Source: EOHU: Vaccine Preventable Diseases Annual Report 2009

Proportion of Grade 7 Students Who are Up-to-Date with the Hepatitis B Program

	2008	2009
	1st dose	2nd dose
<i>Hepatitis B</i>	78%	78%

Source: EOHU: Vaccine Preventable Diseases Annual Report 2009

Proportion of Grade 8 Students (females only) Up-to-Date with HPV Vaccination

HPV vaccine	2008	2009
1st dose	57.6%	75.0%
2nd dose	55.7%	74.2%
3rd dose	54.1%	73.7%

Source: EOHU: Vaccine Preventable Diseases Annual Report 2009

10-05. Influenza and Pneumococcal Vaccination Rates Among Long-Term Care Facility Residents

[Description](#)

Influenza Immunization Coverage of Residents

Residents	2009
Seasonal Influenza	93%
H1N1	83%

Source: EOHU: Vaccine Preventable Diseases Annual Report 2009

10-06. Influenza Vaccination Rates Among Staff at Long-Term Care Facilities and Hospitals

[Description](#)

Influenza Immunization Coverage of Staff

Staff	Seasonal Influenza	H1N1
Nursing Homes / Residential Facilities	32%	45%
Hospitals	16%	80%

Source: EOHU: Vaccine Preventable Diseases Annual Report 2009

10-07. Influenza Vaccination

[Description](#)

Influenza Vaccination Coverage

		2001	2003	2005	2007	
Without a Chronic Condition*	EOHU	12-64 Years	24.4%	30.4%	33.8%	29.8%
		65+ Years	59.9%	61.5%	75.4%	54.5%
		All Ages	27.7%	33.5%	38.7%	32.6%
	Ontario	12-64 Years	25.1%	25.6%	34.0%	27.8%
		65+ Years	63.5%	65.8%	70.0%	65.6%
		All Ages	28.9%	29.7%	37.7%	31.7%
With a Chronic Condition*	EOHU	12-64 Years	38.9%	55.2%	52.2%	56.1%
		65+ Years	73.9%	74.9%	81.2%	77.3%
		All Ages	49.7%	61.0%	59.6%	62.2%
	Ontario	12-64 Years	41.3%	43.6%	49.1%	43.2%
		65+ Years	73.4%	73.4%	75.8%	73.6%
		All Ages	51.4%	52.8%	57.5%	53.1%

*: Chronic Conditions include: Asthma, Emphysema/COPD, Heart Disease, Chronic Bronchitis, Diabetes, Cancer, Stroke

Source: Canadian Community Health Survey (CCHS), Cycle 1.1-4.1, weighted data

10-08. Adverse Events Following Immunization

[Description](#)

Adverse vaccine event in 2006~2009 (Times):

	EOHU			Ontario		
	Male	Female	Both	Male	Female	Both
2006	3	8	11	125	54	179
2007	3	7	10	204	104	308
2008	4	8	12	98	204	302
2009*	13	30	43	376	882	1261

*: includes the heightened surveillance and reporting of adverse vaccine events surrounding the H1N1 vaccination

Source: integrated Public Health Information System (iPHIS , 2009)

10-09. Animal Rabies

[Description](#)

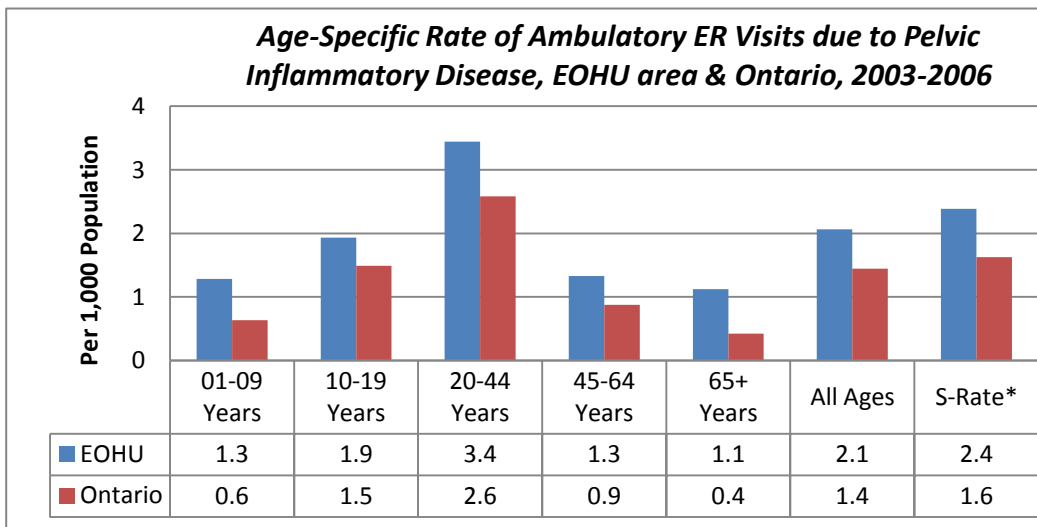
Year	Animals Testing Positive (#)	Post-Exposure Vaccination of Exposed Cases (%)	Rabies-Related Human Deaths
2009	0	13.0	0
2008	0	6.7	0
2007	0	11.2	0
2006	0	4.3	0
2005	2	3.3	0
2004	0	2.9	0
2003	2	4.4	0
2002	3	8.4	0
2001	1	4.4	0

Source: Internal Data, EOHU

10-10. Pelvic Inflammatory Disease

[Description](#)

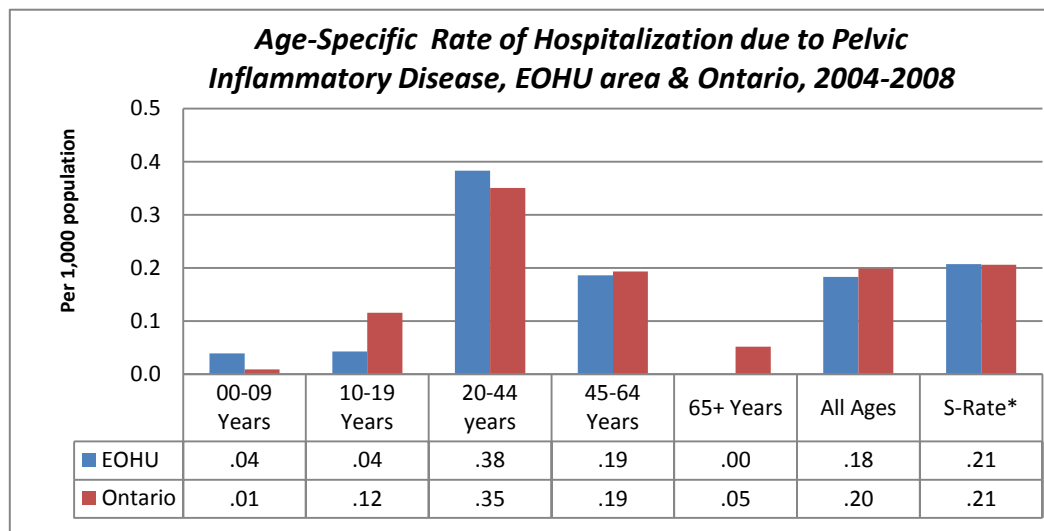
Age-Specific Rate of Ambulatory ER Visits due to Pelvic Inflammatory Disease



*S-Rate: Age-Standardized Mortality Rate

Source: IntelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care

Age-Specific Hospitalization Rate due to Pelvic Inflammatory Disease



*S-Rate: Age-Standardized Mortality Rate

Source: *intelliHEALTH ONTARIO (former PHPDB), Ministry of Health and Long-Term Care*

