

## Section 4. Chronic Disease and Cancer

### Section 4.4 Cancer mortality

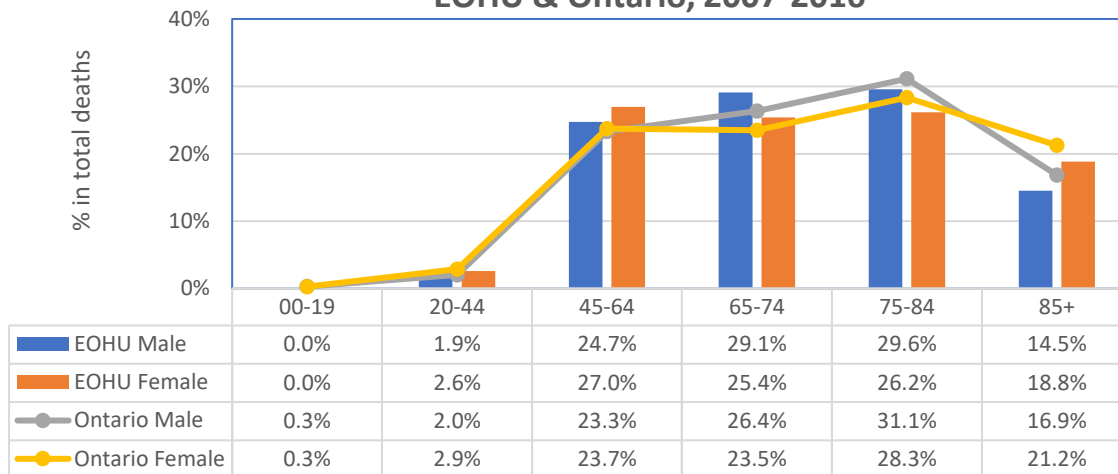
Description

Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO)

Updated Jan.2020

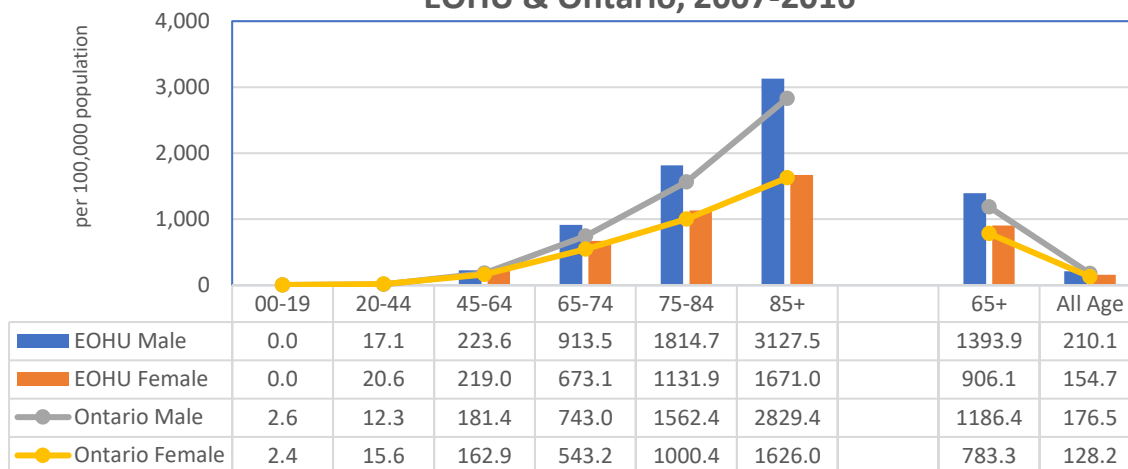
### Cancer Deaths in Age Groups, 2007-2016

Porportion of cancer deaths in age groups,  
EOHU & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO)

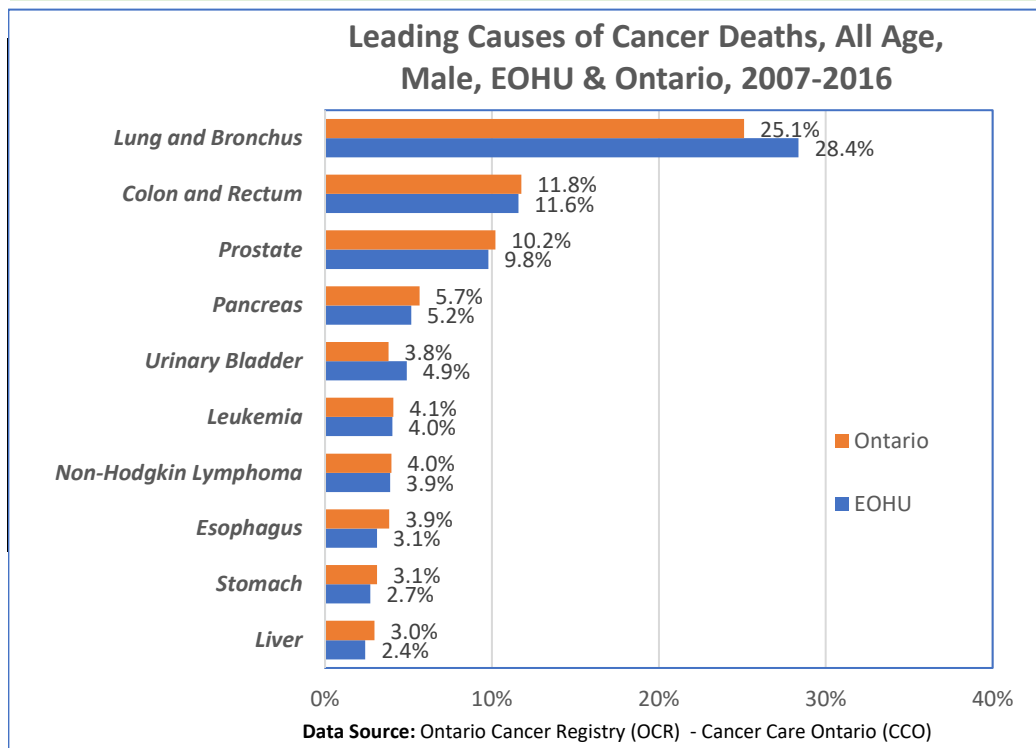
Age Specific Mortality for Cancer Deaths,  
EOHU & Ontario, 2007-2016



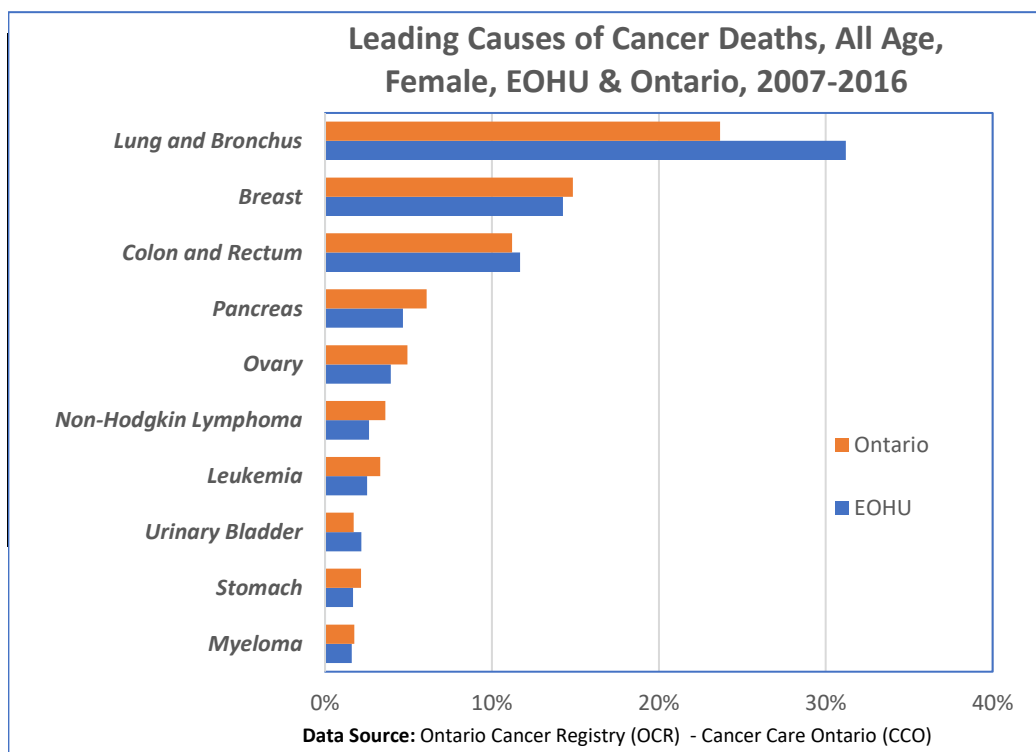
Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO)

## Leading causes of cancer deaths in 2007-2016

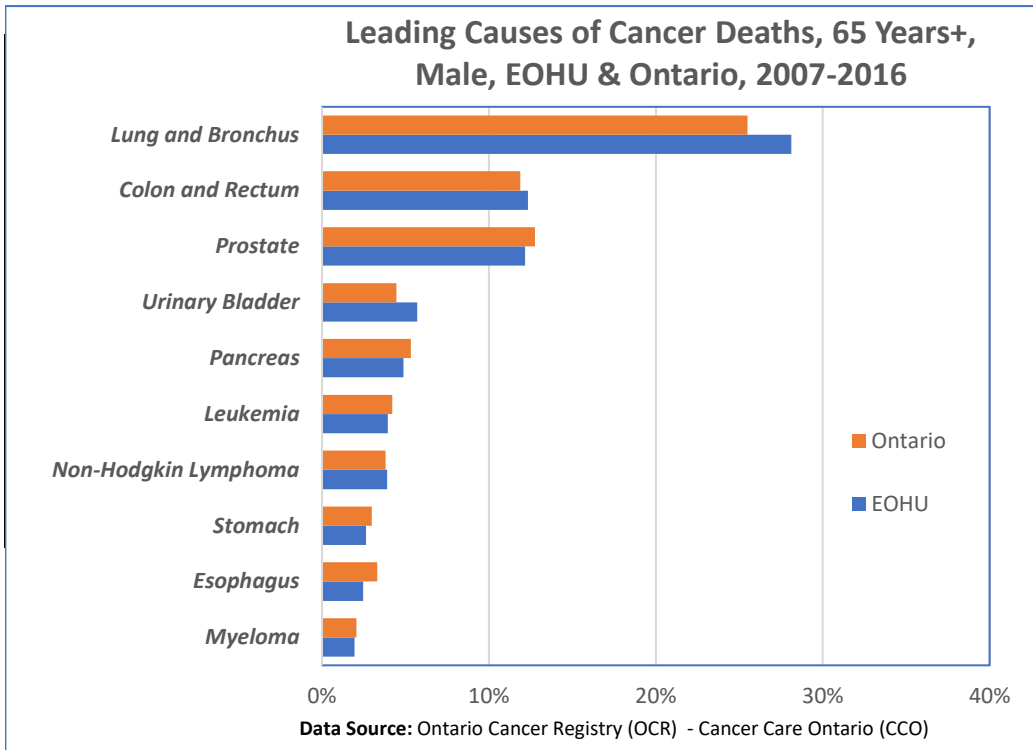
All Age, Male, 2007-2016



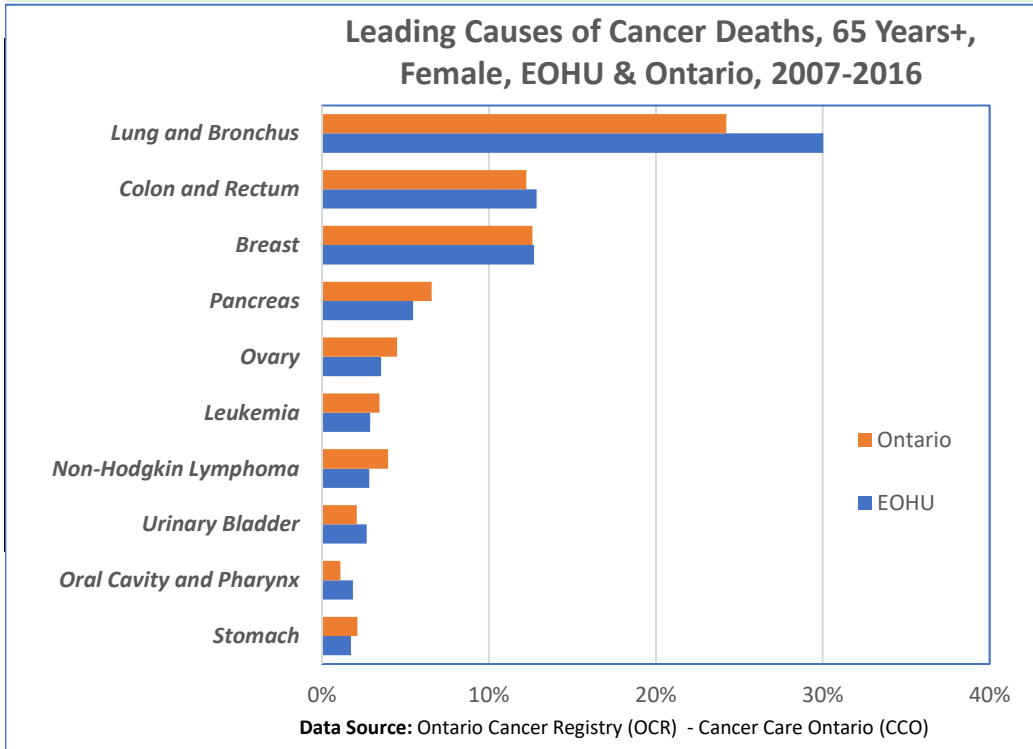
All Age, Female, 2007-2016



### 65 Years & up, Male, 2007-2016



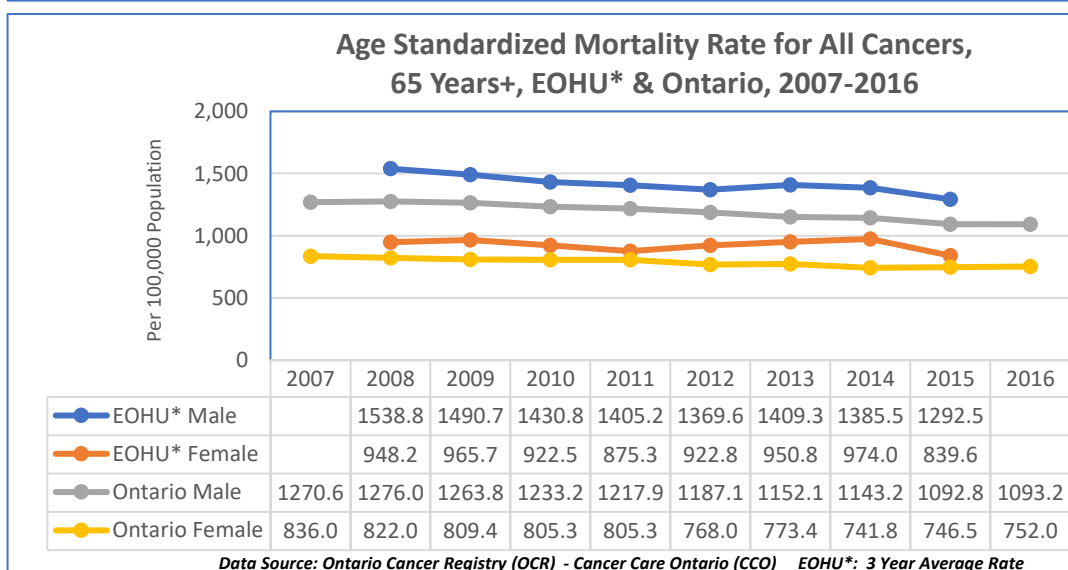
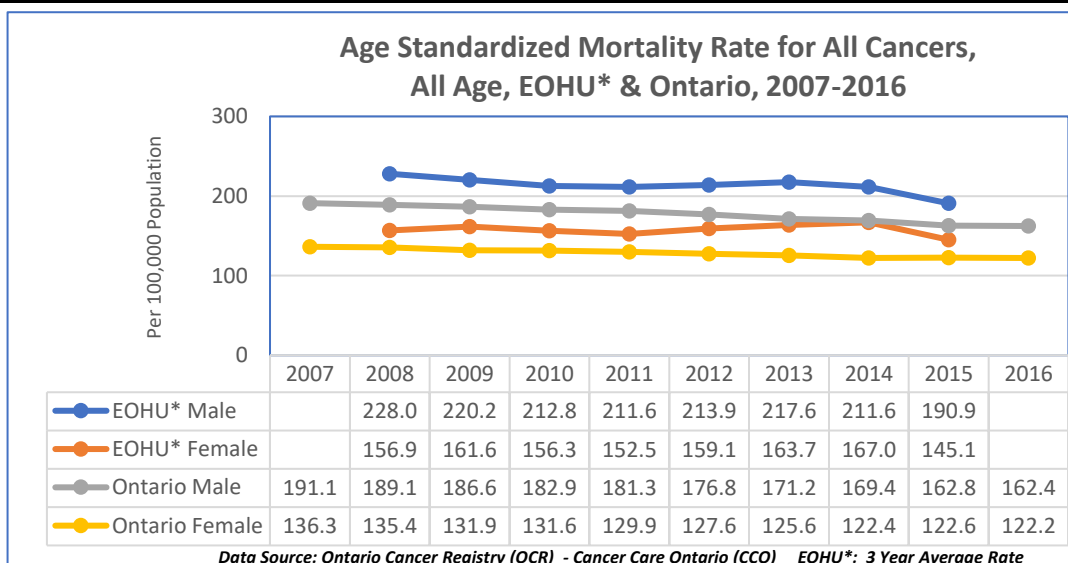
### 65 Years & up, Female, 2007-2016



## Age Standardized Mortality Rate for Cancer Deaths, 2007-2016

### All Cancers

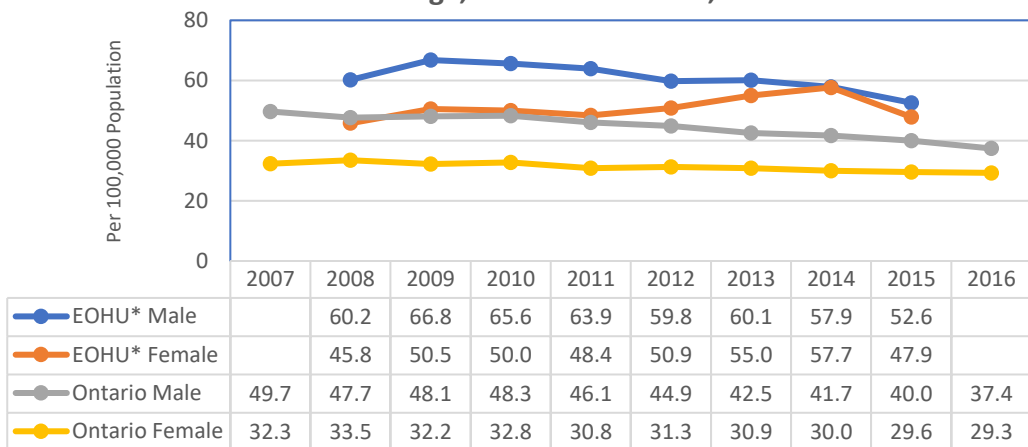
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			191.1	136.3			1270.6	836.0
2008	228.0	156.9	189.1	135.4	1538.8	948.2	1276.0	822.0
2009	220.2	161.6	186.6	131.9	1490.7	965.7	1263.8	809.4
2010	212.8	156.3	182.9	131.6	1430.8	922.5	1233.2	805.3
2011	211.6	152.5	181.3	129.9	1405.2	875.3	1217.9	805.3
2012	213.9	159.1	176.8	127.6	1369.6	922.8	1187.1	768.0
2013	217.6	163.7	171.2	125.6	1409.3	950.8	1152.1	773.4
2014	211.6	167.0	169.4	122.4	1385.5	974.0	1143.2	741.8
2015	190.9	145.1	162.8	122.6	1292.5	839.6	1092.8	746.5
2016			162.4	122.2			1093.2	752.0



## Lung and Bronchus Cancer

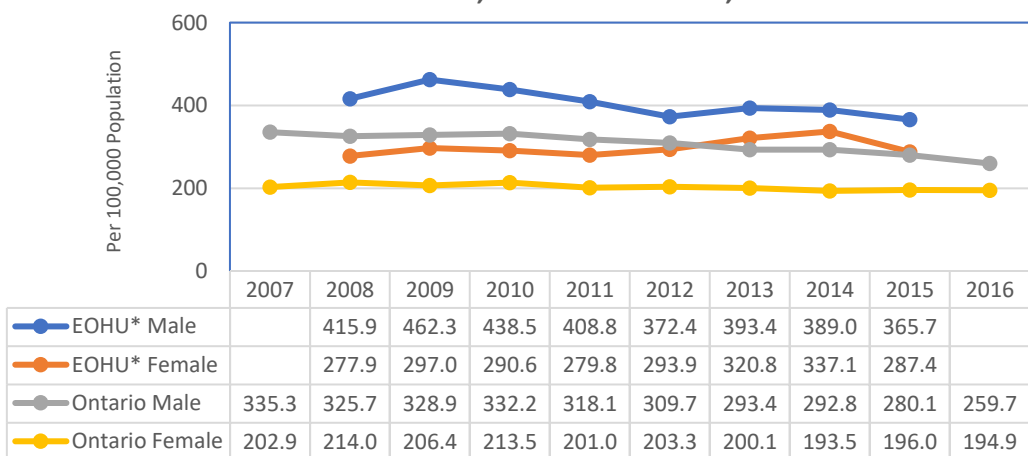
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			49.7	32.3			335.3	202.9
2008	60.2	45.8	47.7	33.5	415.9	277.9	325.7	214.0
2009	66.8	50.5	48.1	32.2	462.3	297.0	328.9	206.4
2010	65.6	50.0	48.3	32.8	438.5	290.6	332.2	213.5
2011	63.9	48.4	46.1	30.8	408.8	279.8	318.1	201.0
2012	59.8	50.9	44.9	31.3	372.4	293.9	309.7	203.3
2013	60.1	55.0	42.5	30.9	393.4	320.8	293.4	200.1
2014	57.9	57.7	41.7	30.0	389.0	337.1	292.8	193.5
2015	52.6	47.9	40.0	29.6	365.7	287.4	280.1	196.0
2016			37.4	29.3			259.7	194.9

Age Standardized Mortality Rate for Lung and Bronchus Cancer, All Age, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

Age Standardized Mortality Rate for Lung and Bronchus Cancer, 65 Years+, EOHU\* & Ontario, 2007-2016

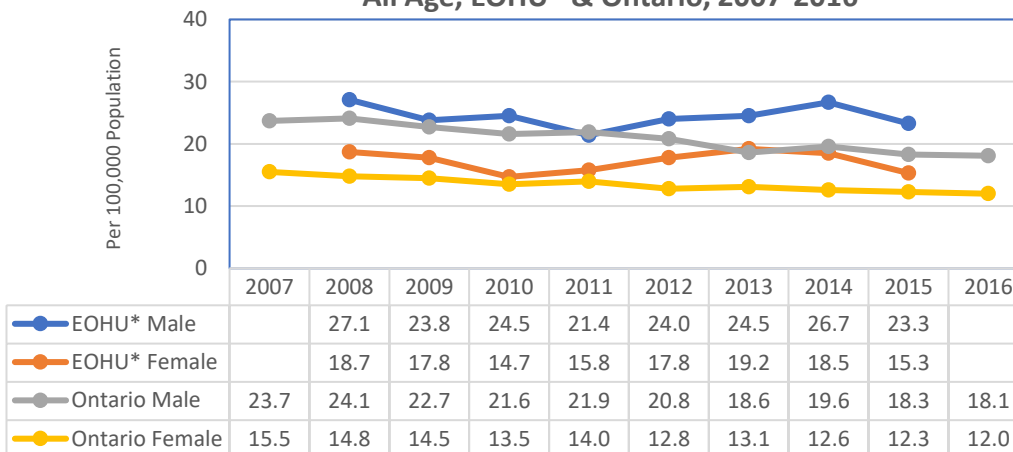


Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Colon and Rectum Cancer

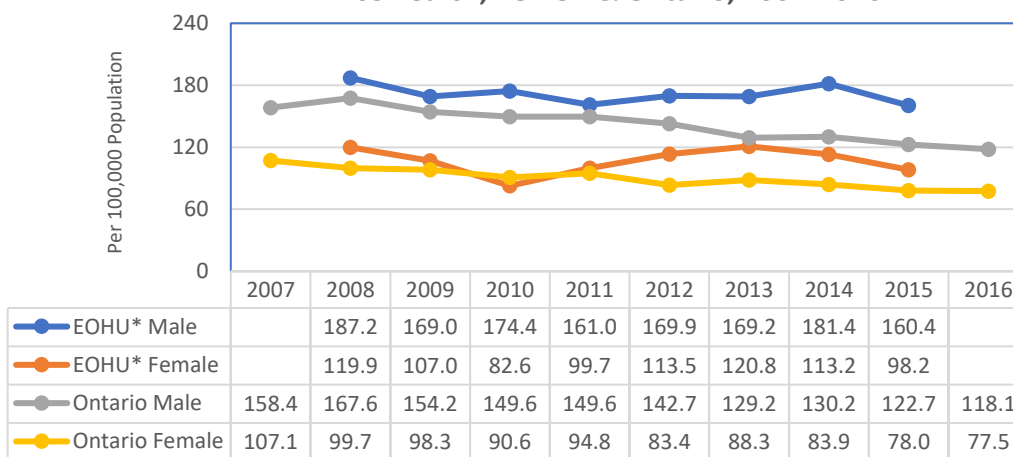
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			23.7	15.5			158.4	107.1
2008	27.1	18.7	24.1	14.8	187.2	119.9	167.6	99.7
2009	23.8	17.8	22.7	14.5	169.0	107.0	154.2	98.3
2010	24.5	14.7	21.6	13.5	174.4	82.6	149.6	90.6
2011	21.4	15.8	21.9	14.0	161.0	99.7	149.6	94.8
2012	24.0	17.8	20.8	12.8	169.9	113.5	142.7	83.4
2013	24.5	19.2	18.6	13.1	169.2	120.8	129.2	88.3
2014	26.7	18.5	19.6	12.6	181.4	113.2	130.2	83.9
2015	23.3	15.3	18.3	12.3	160.4	98.2	122.7	78.0
2016			18.1	12.0			118.1	77.5

Age Standardized Mortality Rate for Colon and Rectum Cancer, All Age, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

Age Standardized Mortality Rate for Colon and Rectum Cancer, 65 Years+, EOHU\* & Ontario, 2007-2016



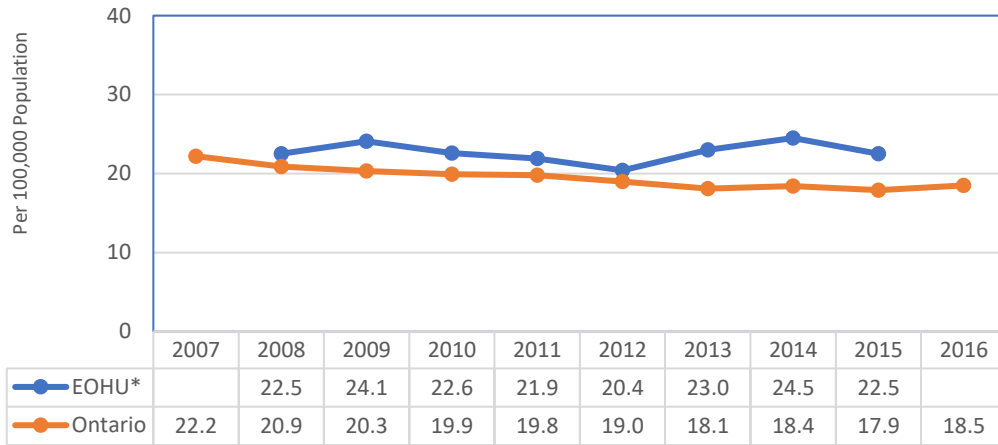
Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Female Breast Cancer

S-Rate for All Age		
	EOHU*	Ontario
2007		22.2
2008	22.5	20.9
2009	24.1	20.3
2010	22.6	19.9
2011	21.9	19.8
2012	20.4	19.0
2013	23.0	18.1
2014	24.5	18.4
2015	22.5	17.9
2016		18.5

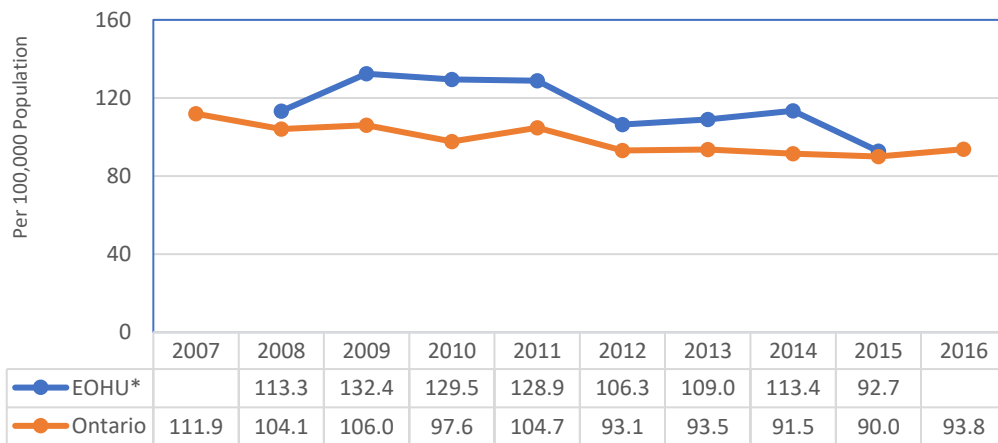
ASMR for 65 Years & up		
	EOHU*	Ontario
2007		111.9
2008	113.3	104.1
2009	132.4	106.0
2010	129.5	97.6
2011	128.9	104.7
2012	106.3	93.1
2013	109.0	93.5
2014	113.4	91.5
2015	92.7	90.0
2016		93.8

Age Standardized Mortality Rate for Female Breast Cancer, All Age, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

Age Standardized Mortality Rate for Female Breast Cancer, 65 Years+, EOHU\* & Ontario, 2007-2016

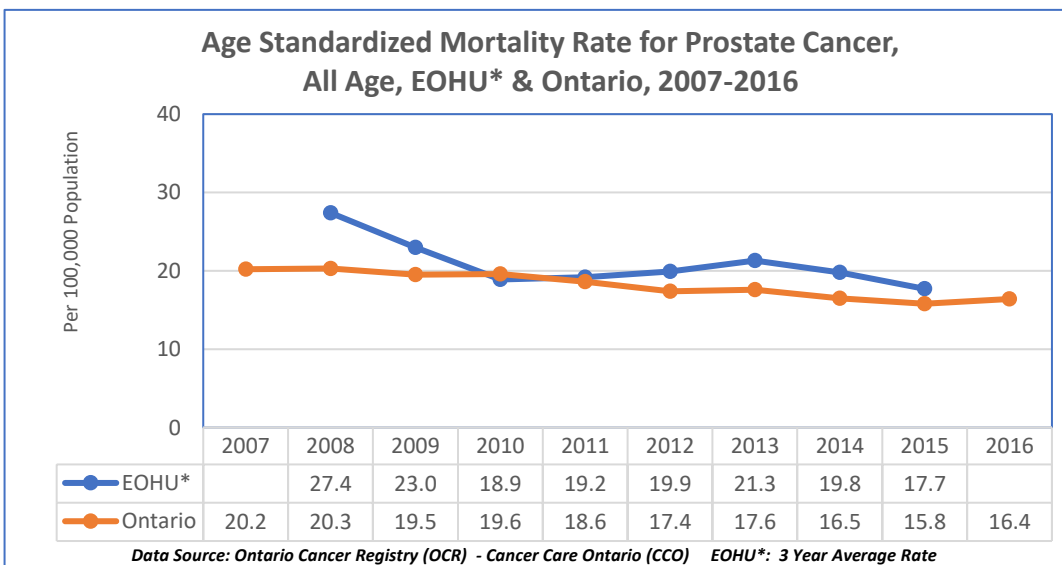
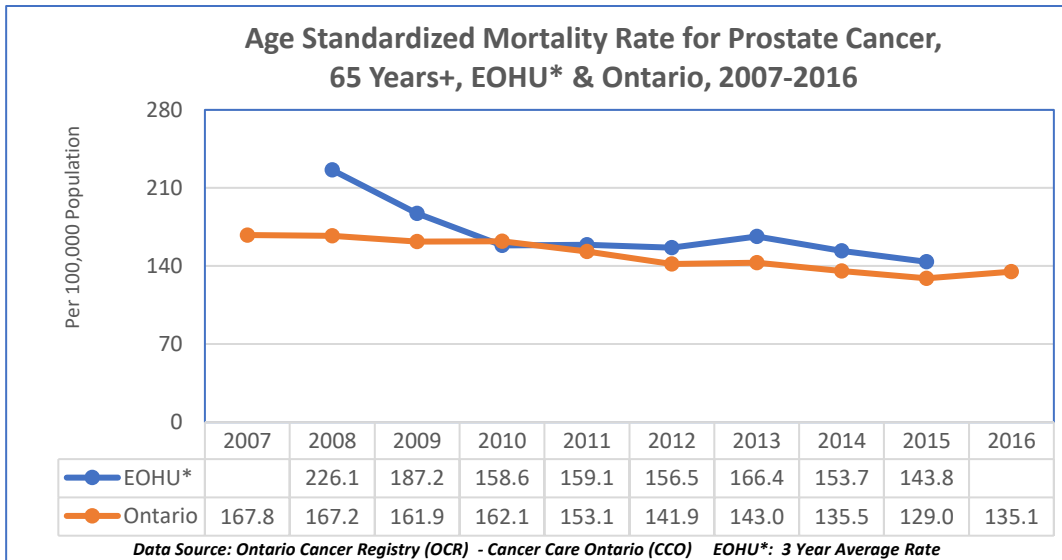


Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Prostate Cancer

S-Rate for All Age		
	EOHU*	Ontario
2007		167.8
2008	226.1	167.2
2009	187.2	161.9
2010	158.6	162.1
2011	159.1	153.1
2012	156.5	141.9
2013	166.4	143.0
2014	153.7	135.5
2015	143.8	129.0
2016		135.1

ASMR for 65 Years & up		
	EOHU*	Ontario
2007		20.2
2008	27.4	20.3
2009	23.0	19.5
2010	18.9	19.6
2011	19.2	18.6
2012	19.9	17.4
2013	21.3	17.6
2014	19.8	16.5
2015	17.7	15.8
2016		16.4

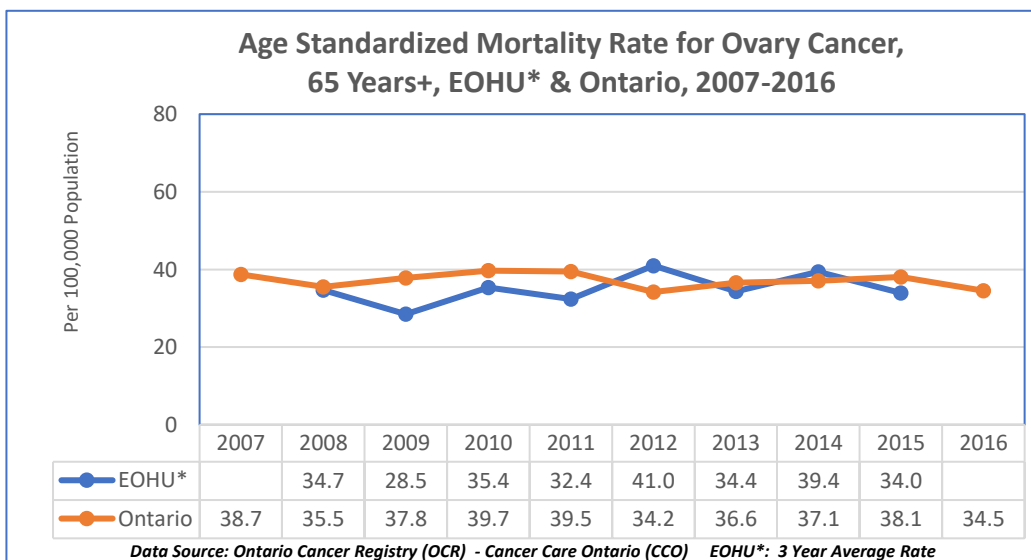
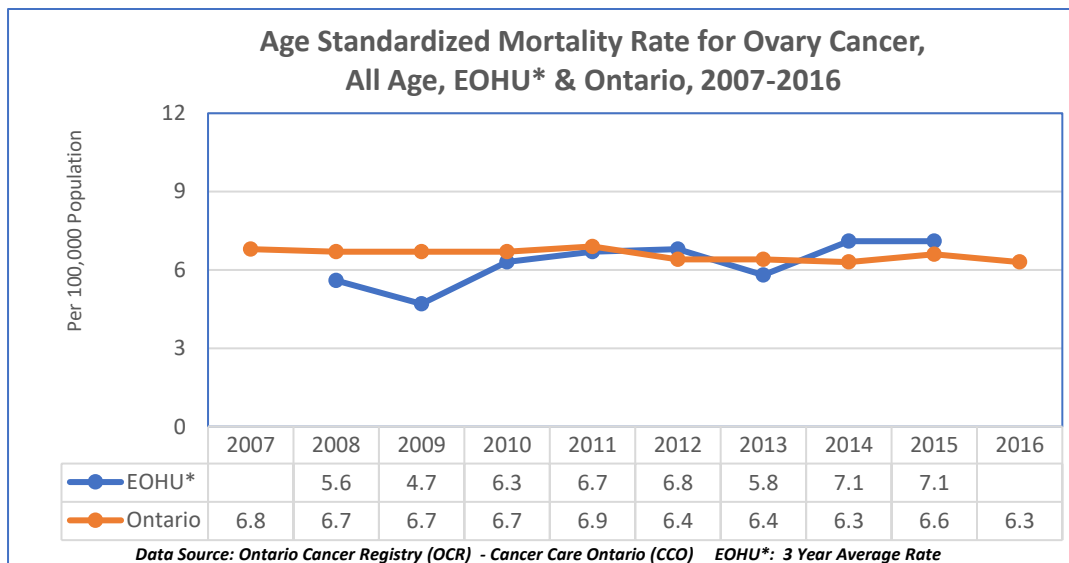




## Ovary Cancer

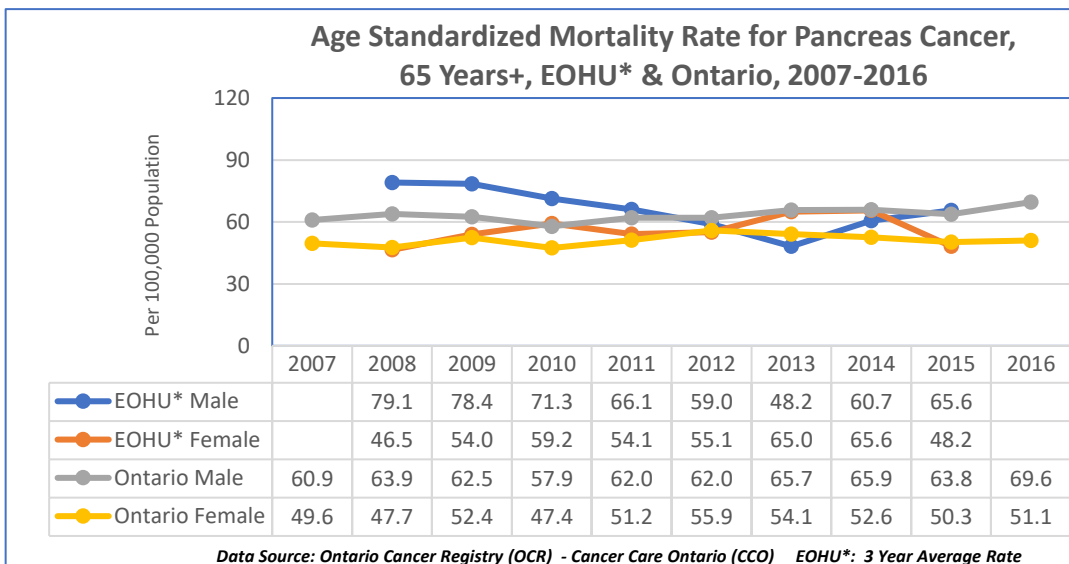
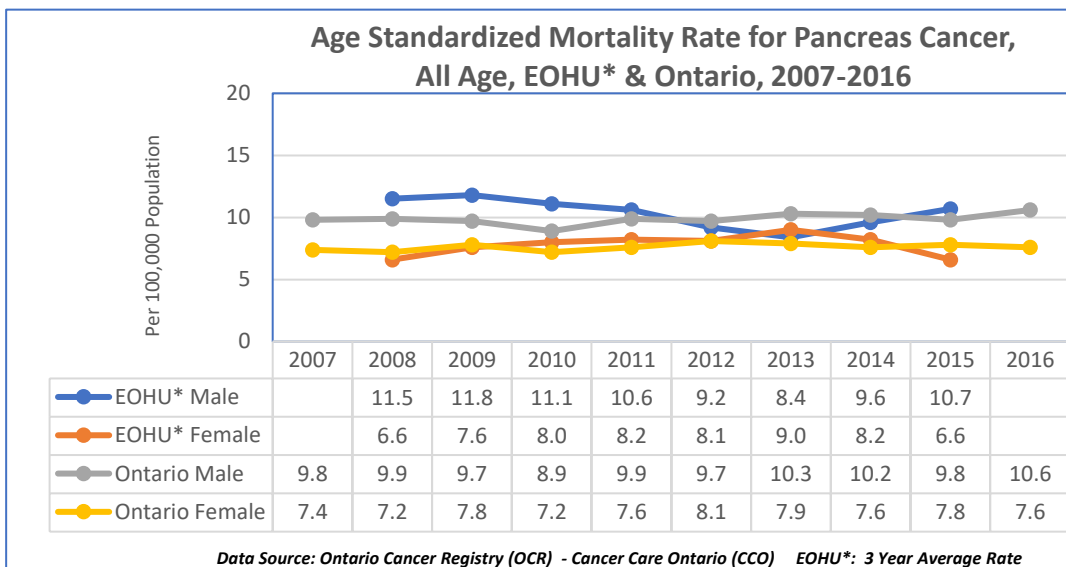
S-Rate for All Age		
	EOHU*	Ontario
2007		6.8
2008	5.6	6.7
2009	4.7	6.7
2010	6.3	6.7
2011	6.7	6.9
2012	6.8	6.4
2013	5.8	6.4
2014	7.1	6.3
2015	7.1	6.6
2016		6.3

ASMR for 65 Years & up		
	EOHU*	Ontario
2007		38.7
2008	34.7	35.5
2009	28.5	37.8
2010	35.4	39.7
2011	32.4	39.5
2012	41.0	34.2
2013	34.4	36.6
2014	39.4	37.1
2015	34.0	38.1
2016		34.5



## Pancreas Cancer

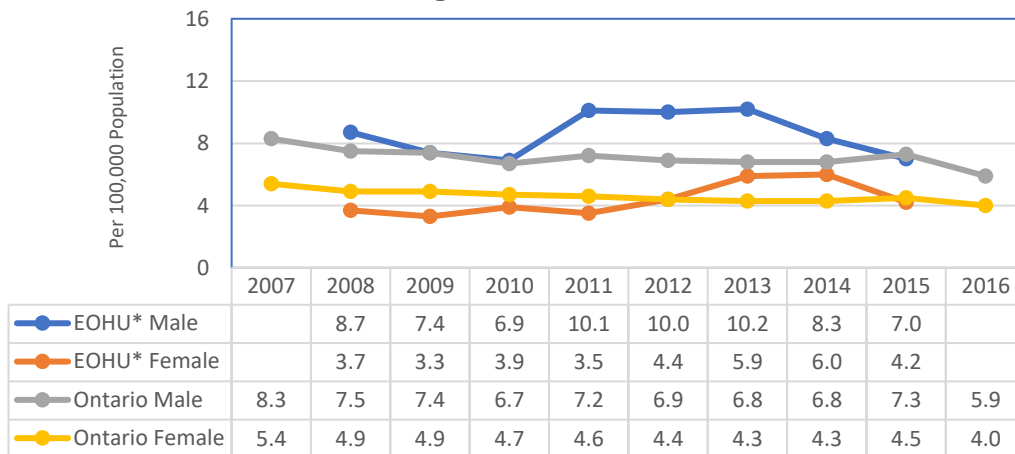
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			9.8	7.4			60.9	49.6
2008	11.5	6.6	9.9	7.2	79.1	46.5	63.9	47.7
2009	11.8	7.6	9.7	7.8	78.4	54.0	62.5	52.4
2010	11.1	8.0	8.9	7.2	71.3	59.2	57.9	47.4
2011	10.6	8.2	9.9	7.6	66.1	54.1	62.0	51.2
2012	9.2	8.1	9.7	8.1	59.0	55.1	62.0	55.9
2013	8.4	9.0	10.3	7.9	48.2	65.0	65.7	54.1
2014	9.6	8.2	10.2	7.6	60.7	65.6	65.9	52.6
2015	10.7	6.6	9.8	7.8	65.6	48.2	63.8	50.3
2016			10.6	7.6			69.6	51.1



## Non-Hodgkin Lymphoma

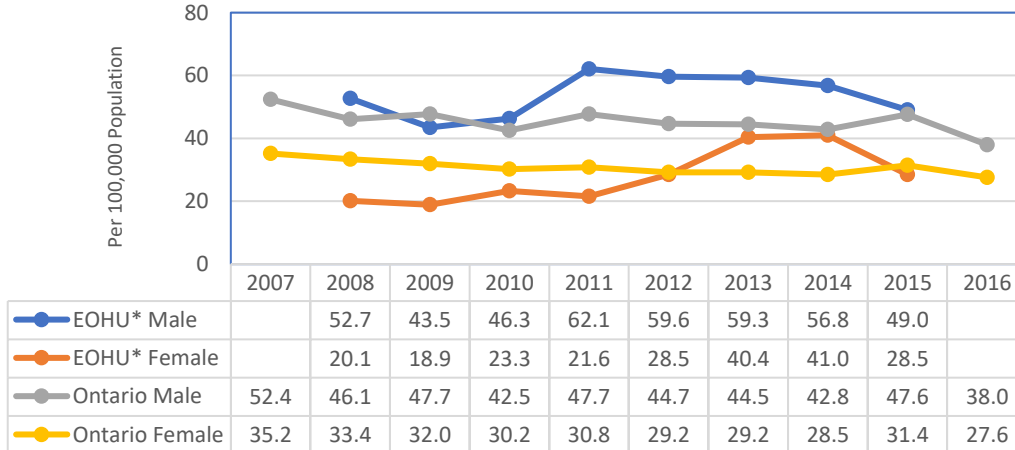
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			8.3	5.4			52.4	35.2
2008	8.7	3.7	7.5	4.9	52.7	20.1	46.1	33.4
2009	7.4	3.3	7.4	4.9	43.5	18.9	47.7	32.0
2010	6.9	3.9	6.7	4.7	46.3	23.3	42.5	30.2
2011	10.1	3.5	7.2	4.6	62.1	21.6	47.7	30.8
2012	10.0	4.4	6.9	4.4	59.6	28.5	44.7	29.2
2013	10.2	5.9	6.8	4.3	59.3	40.4	44.5	29.2
2014	8.3	6.0	6.8	4.3	56.8	41.0	42.8	28.5
2015	7.0	4.2	7.3	4.5	49.0	28.5	47.6	31.4
2016			5.9	4.0			38.0	27.6

Age Standardized Mortality Rate for Non-Hodgkin Lymphoma, All Age, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

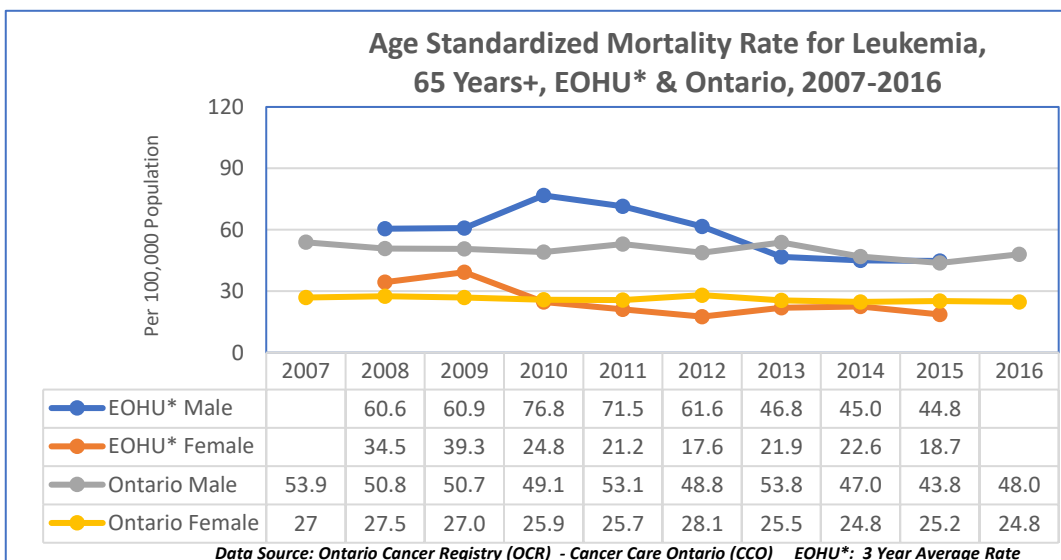
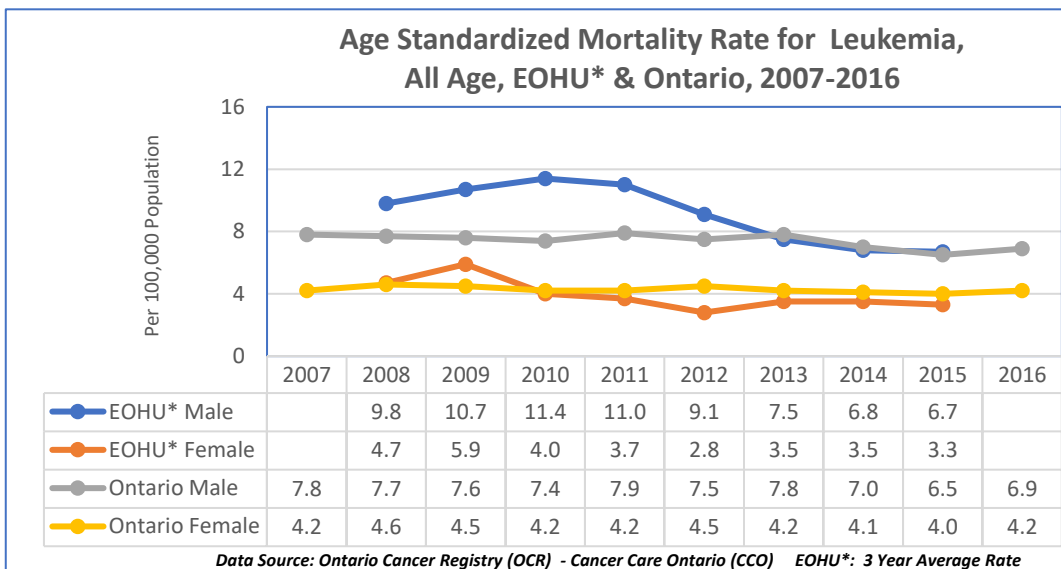
Age Standardized Mortality Rate for Non-Hodgkin Lymphoma, 65 Years+, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Leukemia

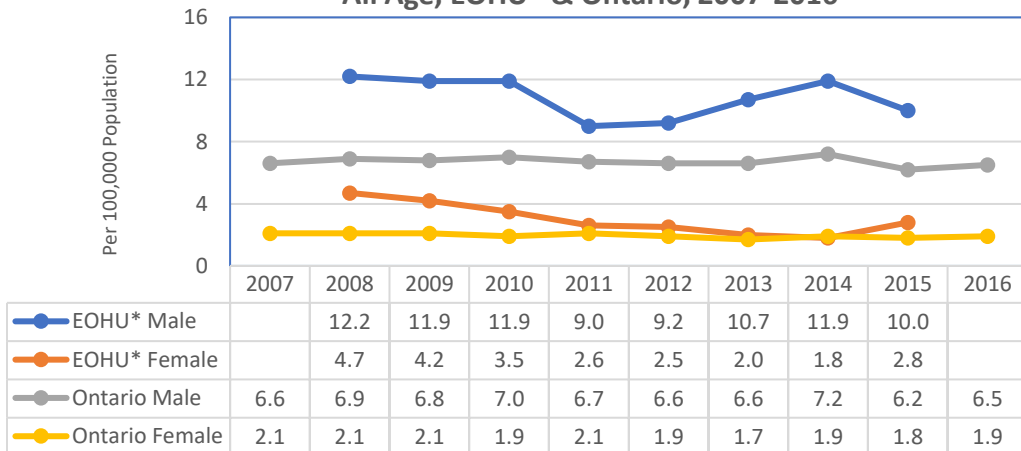
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			7.8	4.2			53.9	27
2008	9.8	4.7	7.7	4.6	60.6	34.5	50.8	27.5
2009	10.7	5.9	7.6	4.5	60.9	39.3	50.7	27.0
2010	11.4	4.0	7.4	4.2	76.8	24.8	49.1	25.9
2011	11.0	3.7	7.9	4.2	71.5	21.2	53.1	25.7
2012	9.1	2.8	7.5	4.5	61.6	17.6	48.8	28.1
2013	7.5	3.5	7.8	4.2	46.8	21.9	53.8	25.5
2014	6.8	3.5	7.0	4.1	45.0	22.6	47.0	24.8
2015	6.7	3.3	6.5	4.0	44.8	18.7	43.8	25.2
2016			6.9	4.2			48.0	24.8



## Urinary Bladder Cancer

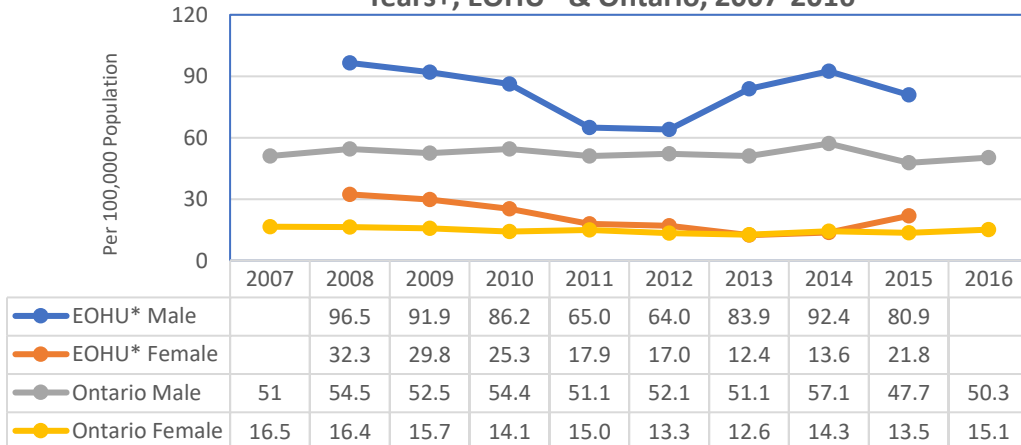
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			6.6	2.1			51	16.5
2008	12.2	4.7	6.9	2.1	96.5	32.3	54.5	16.4
2009	11.9	4.2	6.8	2.1	91.9	29.8	52.5	15.7
2010	11.9	3.5	7.0	1.9	86.2	25.3	54.4	14.1
2011	9.0	2.6	6.7	2.1	65.0	17.9	51.1	15.0
2012	9.2	2.5	6.6	1.9	64.0	17.0	52.1	13.3
2013	10.7	2.0	6.6	1.7	83.9	12.4	51.1	12.6
2014	11.9	1.8	7.2	1.9	92.4	13.6	57.1	14.3
2015	10.0	2.8	6.2	1.8	80.9	21.8	47.7	13.5
2016			6.5	1.9			50.3	15.1

**Age Standardized Mortality Rate for Urinary Bladder Cancer, All Age, EOHU\* & Ontario, 2007-2016**



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

**Age Standardized Mortality Rate for Urinary Bladder Cancer, 65 Years+, EOHU\* & Ontario, 2007-2016**

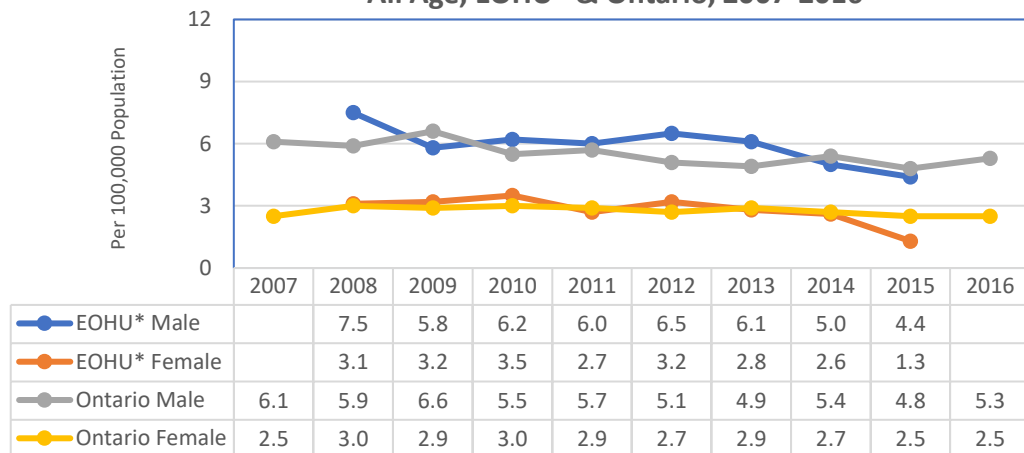


Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Stomach Cancer

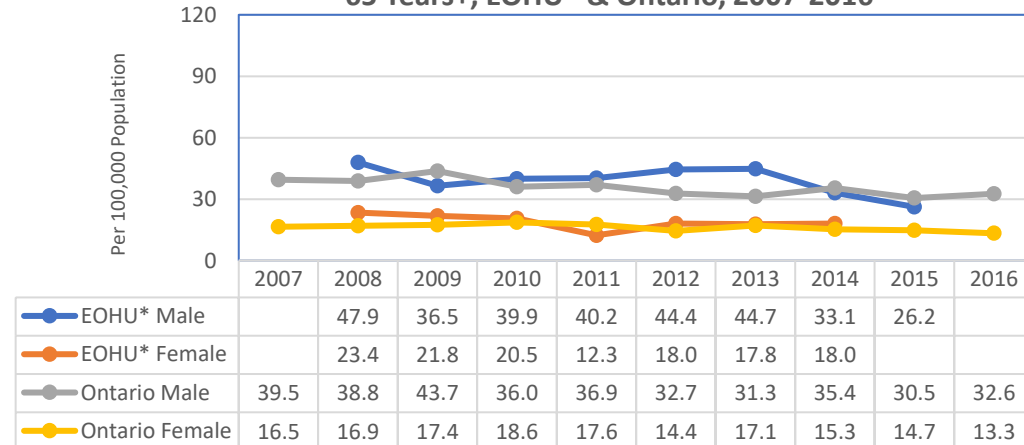
	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			6.1	2.5			39.5	16.5
2008	7.5	3.1	5.9	3.0	47.9	23.4	38.8	16.9
2009	5.8	3.2	6.6	2.9	36.5	21.8	43.7	17.4
2010	6.2	3.5	5.5	3.0	39.9	20.5	36.0	18.6
2011	6.0	2.7	5.7	2.9	40.2	12.3	36.9	17.6
2012	6.5	3.2	5.1	2.7	44.4	18.0	32.7	14.4
2013	6.1	2.8	4.9	2.9	44.7	17.8	31.3	17.1
2014	5.0	2.6	5.4	2.7	33.1	18.0	35.4	15.3
2015	4.4	1.3	4.8	2.5	26.2		30.5	14.7
2016			5.3	2.5			32.6	13.3

Age Standardized Mortality Rate for Stomach Cancer, All Age, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

Age Standardized Mortality Rate for Stomach Cancer, 65 Years+, EOHU\* & Ontario, 2007-2016



Data Source: Ontario Cancer Registry (OCR) - Cancer Care Ontario (CCO) EOHU\*: 3 Year Average Rate

## Liver Cancer

	S-Rate for All Age				ASMR for 65 Years & up			
	EOHU*		Ontario		EOHU*		Ontario	
	Male	Female	Male	Female	Male	Female	Male	Female
2007			4.7	1.5			24	9.8
2008	2.2	2.9	4.7	1.3		14.8	27.6	9.0
2009	2.9	3.2	4.9	1.3	14.6	17.1	29.4	8.6
2010	4.4	3.5	5.1	1.7	16.3	22.1	30.3	10.9
2011	6.0	3.1	5.4	1.4	22.2	17.5	30.5	10.3
2012	6.4	2.5	5.5	1.5	27.4	18.5	32.2	8.9
2013	6.5	1.9	5.2	1.7	36.6	14.7	30.6	11.1
2014	5.9	1.8	5.2	1.3	33.1	15.5	30.4	8.6
2015	5.1	1.8	5.0	1.5	28.5	12.3	28.9	8.9
2016			5.4	1.5			29.8	9.5

