

Belgian Cancer Registry



Cancer Fact Sheet **Oesophagus Cancer**

ICD10 : C15-16.0

Belgium 2022

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Oesophageal cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by sex and region, 2022

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	69.4	1,152	20.2	21.4	9.4	1.19
Brussels-Capital Region	66.4	70	11.7	17.8	8.0	0.90
Flemish Region	70.2	729	22.0	21.7	9.4	1.20
Walloon Region	68.4	353	19.7	21.3	9.7	1.24

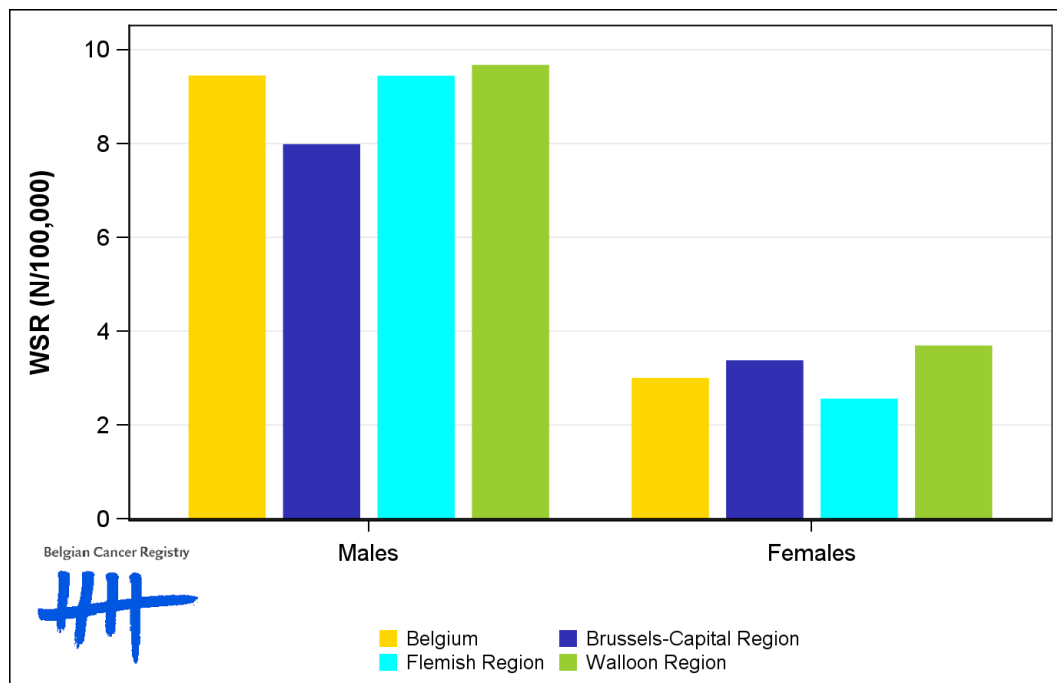
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	71.9	436	7.4	6.8	3.0	0.37
Brussels-Capital Region	69.2	36	5.8	7.3	3.4	0.43
Flemish Region	73.4	240	7.1	6.1	2.5	0.30
Walloon Region	70.2	160	8.6	7.9	3.7	0.47

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR=Age-Standardised Rate, using 2013 revised European Standard Population (N/100,000 person-years)
 WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 CRi=Cumulative Risk for 0-74 years (%)

Belgian Cancer Registry



Figure 1: Oesophageal cancer: Age-standardised incidence rates by sex and region, 2022



1.2. Age-specific incidence rates

Table 2: Oesophageal cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2022

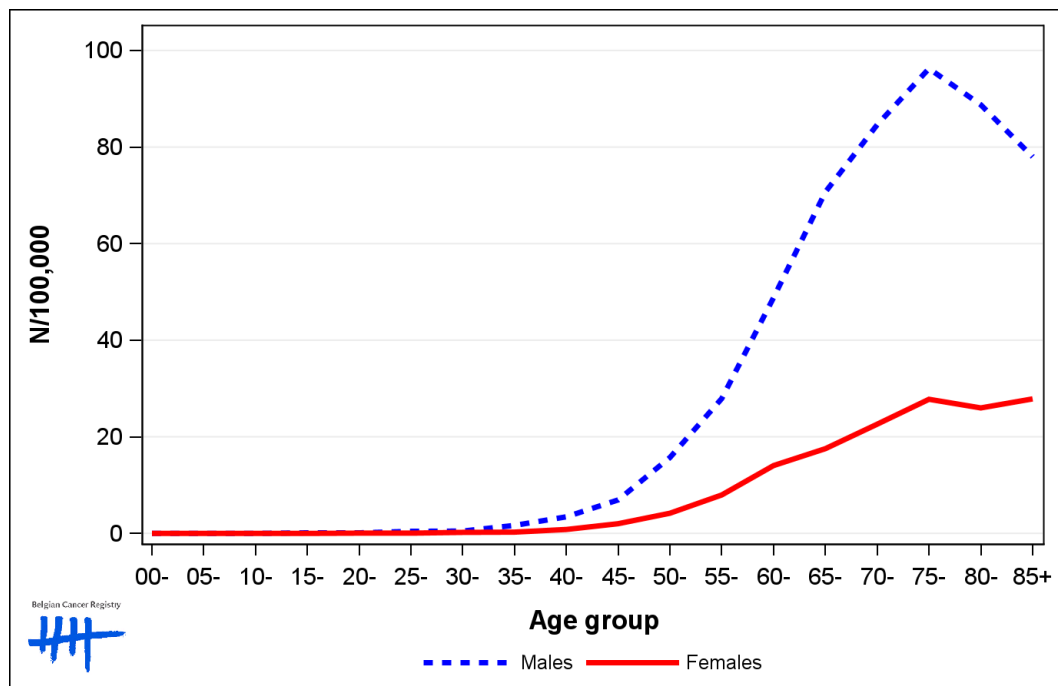
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.3	0.5	3.0	2.4	6.4	11.9	24.8	42.0	67.9	80.7	95.1	89.3	73.5	20.2	21.4	9.4
Females	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.1	2.5	5.2	7.5	13.0	22.2	21.7	26.8	29.7	31.2	7.4	6.8	3.0

CR=Crude (all ages) Rate (N/100,000 person-years)

ESR (2013)=Age-Standardised Rate, using the 2013 revised European Standard Population (N/100,000 person-years)

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 2: Oesophageal cancer: Age-specific incidence rates by sex, 2018-2022



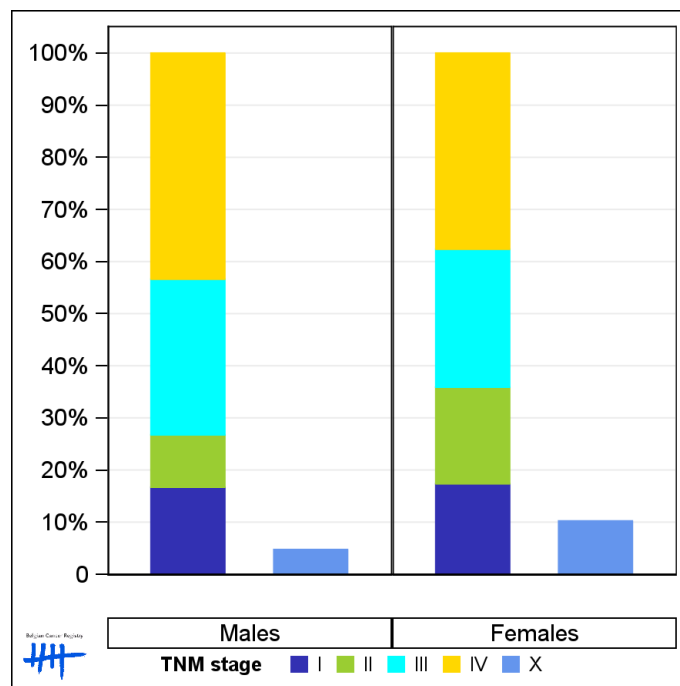
1.3. Combined stage

Table 3: Oesophageal cancer: Distribution of combined stage by sex, Belgium 2022

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	171	103	306	444	51	77	1,152
%	14.8	8.9	26.6	38.5	4.4	6.7	100
Females							
N	61	65	93	132	40	45	436
%	14.0	14.9	21.3	30.3	9.2	10.3	100

Staging according to the TNM 8th edition (Ref: Brierley JD, Gospodarowicz MK, Wittekind Ch. TNM classification of malignant tumours, UICC 8th edition)
 Combined TNM stage : compilation of pathological (pTNM) and clinical (cTNM) stage. pTNM prevails over cTNM, except when cTNM stage is IV
 Stage X: diagnoses with an unknown stage
 Stage NA: diagnoses with a histological diagnosis where no stage can be evaluated (Not Applicable)

Figure 3: Oesophageal cancer: Bar chart of known combined stage by sex, Belgium 2022



1.4. Trends in incidence

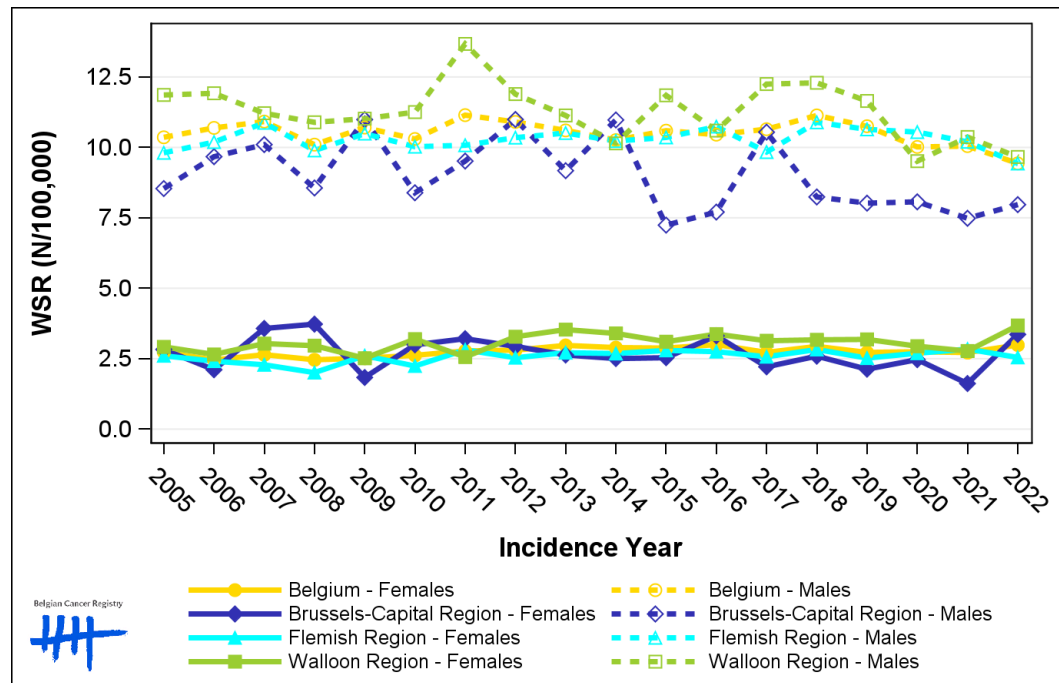
Table 4: Oesophageal cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	10.1	10.7	10.3	11.1	10.9	10.6	10.3	10.6	10.5	10.6	11.1	10.8	10.0	10.0	9.4	-0.7	[-1.2; -0.3]
Brussels-Capital Region	8.6	11.0	8.4	9.5	11.0	9.2	11.0	7.2	7.7	10.5	8.2	8.0	8.1	7.5	8.0	-1.6	[-3.3; 0.0]
Flemish Region	9.9	10.5	10.0	10.1	10.3	10.5	10.2	10.4	10.7	9.8	10.9	10.6	10.5	10.2	9.4	-0.4	[-0.9; 0.0]
Walloon Region	10.9	11.0	11.3	13.7	11.9	11.1	10.1	11.8	10.6	12.2	12.3	11.6	9.5	10.4	9.7	-0.8	[-2.0; 0.4]

Females	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	2.5	2.5	2.6	2.8	2.8	3.0	2.9	2.9	3.0	2.7	2.9	2.7	2.7	2.7	3.0	0.9	[0.5; 1.4]
Brussels-Capital Region	3.7	1.8	3.0	3.2	2.9	2.6	2.5	2.5	3.3	2.2	2.6	2.1	2.5	1.6	3.4	-1.6	[-4.4; 1.3]
Flemish Region	2.0	2.6	2.2	2.8	2.5	2.7	2.7	2.8	2.8	2.6	2.8	2.5	2.7	2.8	2.5	1.5	[0.5; 2.5]
Walloon Region	3.0	2.5	3.2	2.6	3.3	3.5	3.4	3.1	3.4	3.1	3.2	3.2	2.9	2.8	3.7	0.8	[-0.6; 2.2]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2008-2022 period

Figure 4: Oesophageal cancer: Age-standardised incidence rates (WSR) by incidence year, sex and region



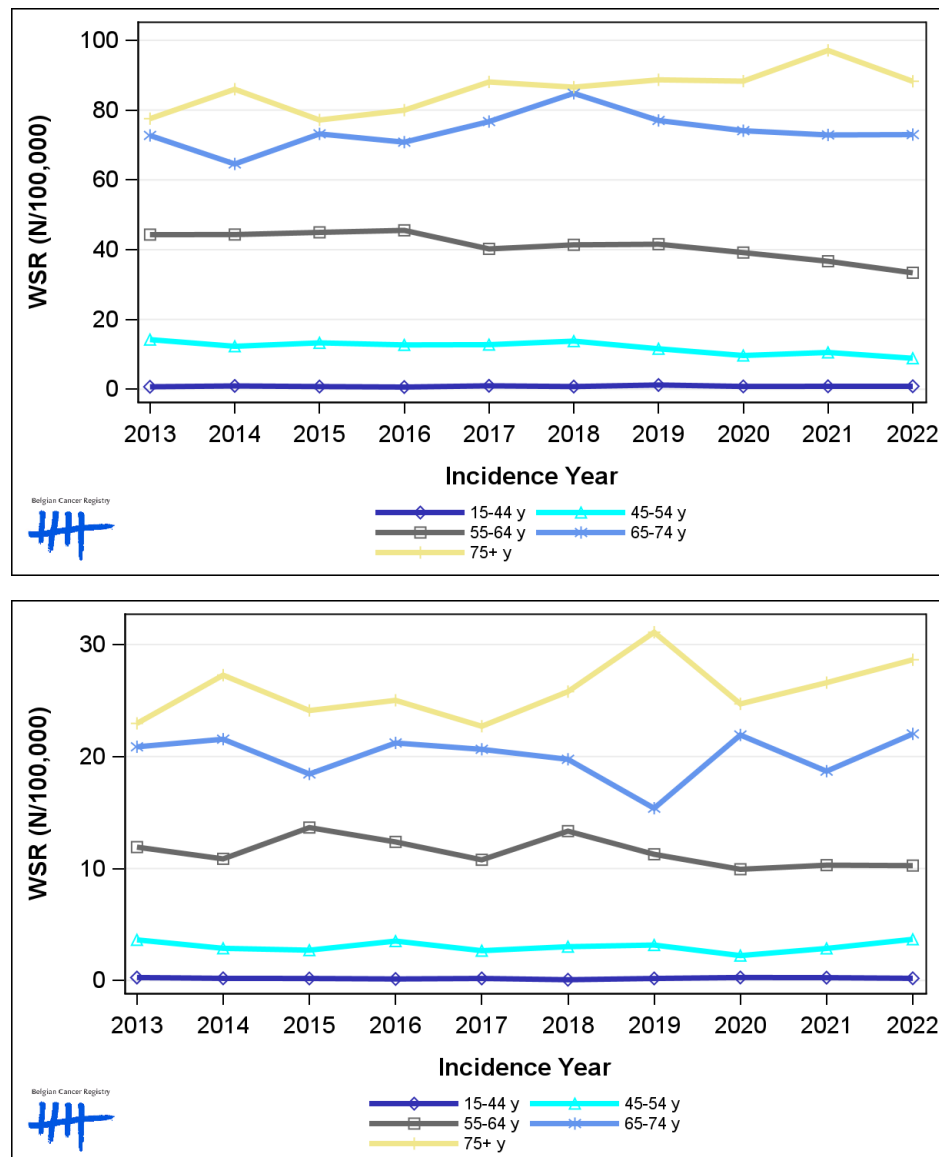
1.5. Incidence by broad age groups

Table 5: Oesophageal cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N										WSR									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Males																				
All ages	1,072	1,070	1,099	1,117	1,161	1,236	1,216	1,173	1,204	1,152	10.6	10.3	10.6	10.5	10.6	11.1	10.8	10.0	10.0	9.4
0-14 y	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-44 y	19	25	21	17	25	20	31	20	22	23	0.7	1.0	0.8	0.6	1.0	0.8	1.2	0.8	0.9	0.9
45-54 y	120	105	111	109	108	117	96	80	86	71	14.2	12.3	13.3	12.7	12.8	13.8	11.6	9.7	10.5	8.9
55-64 y	300	302	310	319	285	298	304	293	277	255	44.3	44.3	45.0	45.5	40.2	41.4	41.6	39.2	36.7	33.4
65-74 y	337	306	356	355	400	458	425	420	424	425	72.7	64.6	73.2	70.8	76.7	84.8	77.0	74.1	72.9	73.0
75+ y	296	332	301	317	343	343	360	360	395	378	77.5	86.0	77.2	80.0	88.1	86.6	88.7	88.3	97.1	88.3
Females																				
All ages	372	388	377	396	369	405	392	390	390	436	3.0	2.9	2.9	3.0	2.7	2.9	2.7	2.7	2.7	3.0
0-14 y	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-44 y	7	5	5	3	5	2	5	7	7	5	0.3	0.2	0.2	0.1	0.2	<0.1	0.2	0.3	0.3	0.2
45-54 y	30	24	23	29	22	25	26	18	22	29	3.6	2.9	2.7	3.5	2.7	3.0	3.2	2.2	2.9	3.7
55-64 y	82	75	96	89	79	98	84	75	79	79	11.9	10.9	13.7	12.4	10.8	13.3	11.3	9.9	10.3	10.3
65-74 y	107	114	99	116	120	119	95	135	120	138	20.9	21.5	18.4	21.2	20.6	19.8	15.4	21.9	18.7	22.0
75+ y	146	170	154	159	143	161	182	155	162	185	23.0	27.3	24.1	25.0	22.7	25.8	31.1	24.7	26.6	28.6

N=Number of invasive tumours
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 5: Oesophageal cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



2. Net survival

Table 6: Oesophageal cancer: 5-year net survival by sex, age group and region, Belgium 2018-2022

	5-year net survival 2018-2022 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	5,937	27.1	[25.6, 28.7]	1,998	31.3	[28.5, 34.3]
Age group						
15-59 years	1,115	33.2	[30.0, 36.7]	301	45.0	[39.0, 51.9]
60-74 years	2,994	29.0	[27.0, 31.3]	859	34.4	[30.4, 38.9]
75+ years	1,828	20.3	[17.3, 23.8]	840	23.1	[18.9, 28.3]
Region						
Brussels-Capital Region	338	24.6	[18.7, 32.3]	132	26.4	[17.4, 40.2]
Flemish Region	3,733	26.3	[24.4, 28.4]	1,186	32.5	[29.0, 36.4]
Walloon Region	1,866	29.0	[26.3, 32.0]	680	30.2	[25.5, 35.7]

Figure 6: Oesophageal cancer: net survival by sex, Belgium 2018-2022

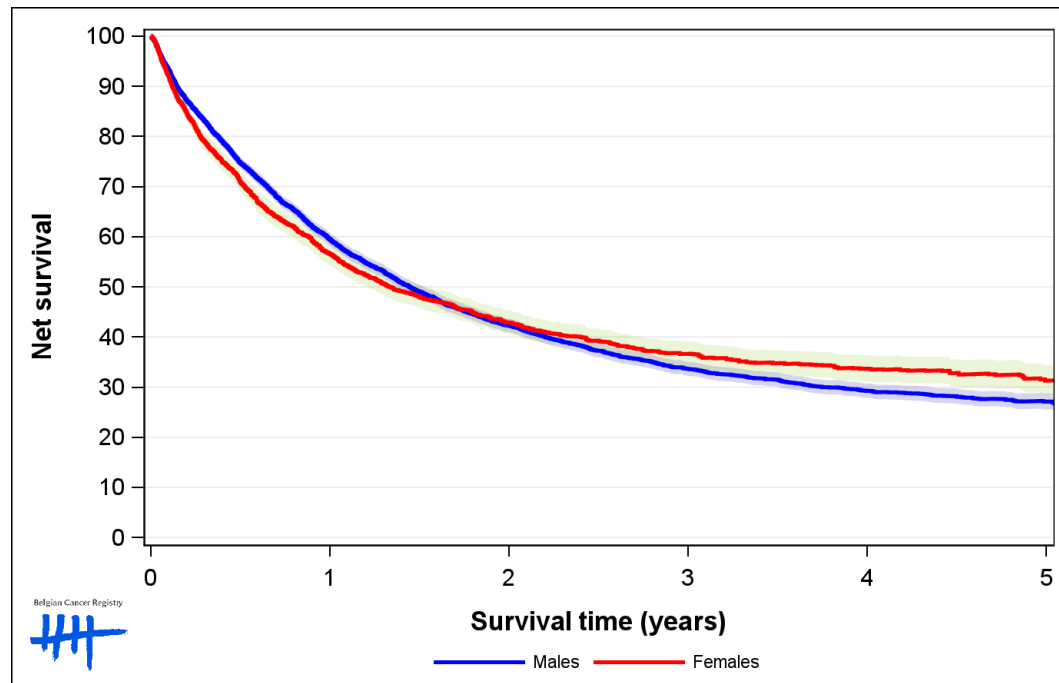


Figure 7: Oesophageal cancer: net survival by age group in males, Belgium 2018-2022

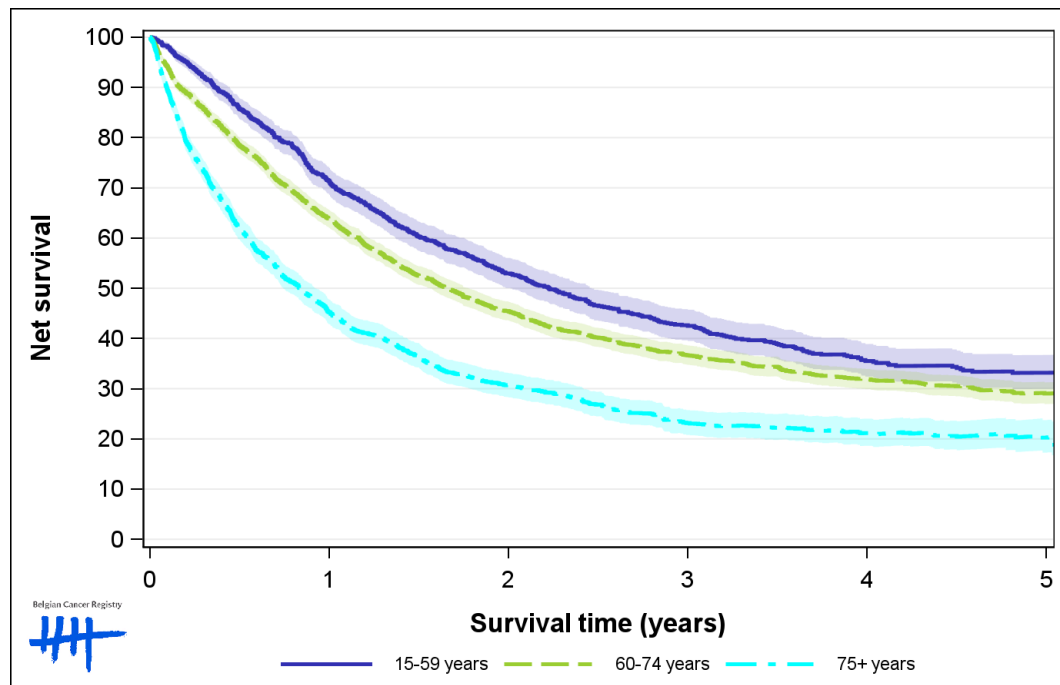


Figure 8: Oesophageal cancer: net survival by age group in females, Belgium 2018-2022

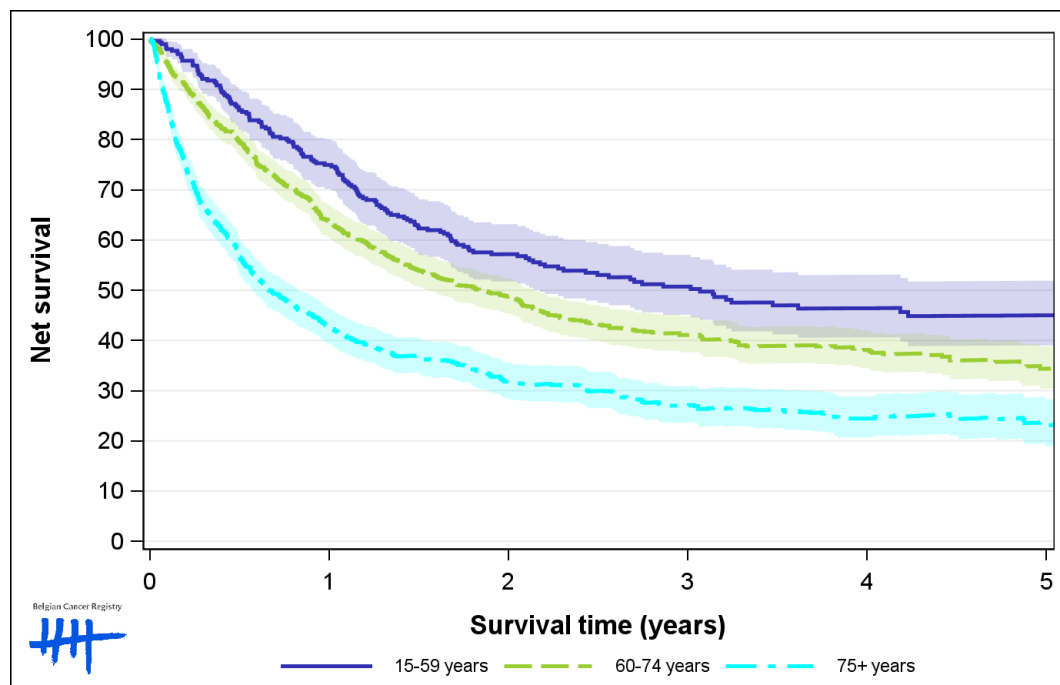


Figure 9: Oesophageal cancer: net survival by region in males, Belgium 2018-2022

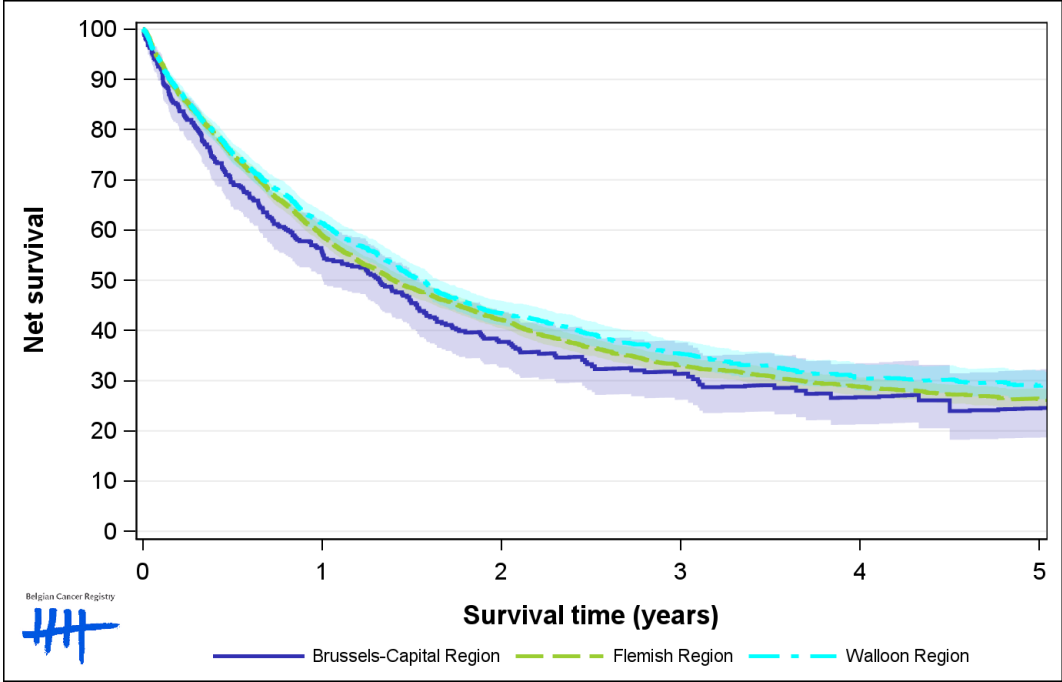


Figure 10: Oesophageal cancer: net survival by region in females, Belgium 2018-2022

