

Belgian Cancer Registry



Cancer Fact Sheet **Mesothelioma**

ICD10 : C45

Belgium 2022

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Mesothelioma: 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	74.2	259	4.5	5.0	1.8	0.20
Brussels-Capital Region	69.3	4	0.7	1.1	0.5	<0.1
Flemish Region	74.7	177	5.3	5.4	1.9	0.21
Walloon Region	73.2	78	4.4	5.1	1.8	0.21

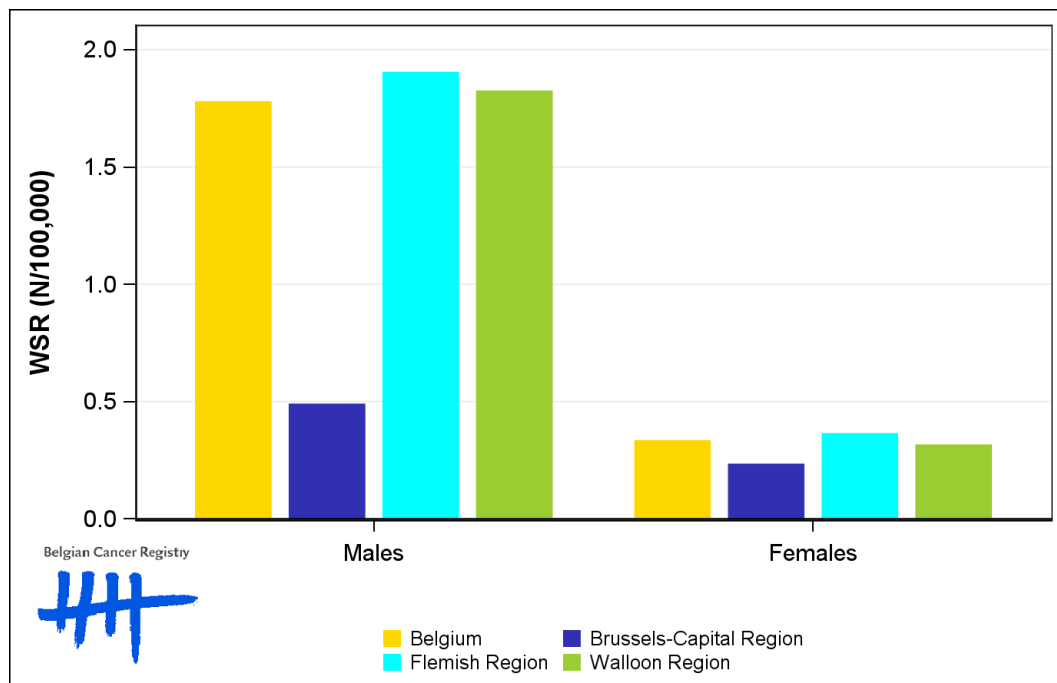
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	72.9	52	0.9	0.8	0.3	<0.1
Brussels-Capital Region	77.0	4	0.6	0.9	0.2	0.00
Flemish Region	72.5	32	0.9	0.8	0.4	<0.1
Walloon Region	72.6	16	0.9	0.8	0.3	<0.1

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 (%)

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



1.2. Age-specific incidence rates

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

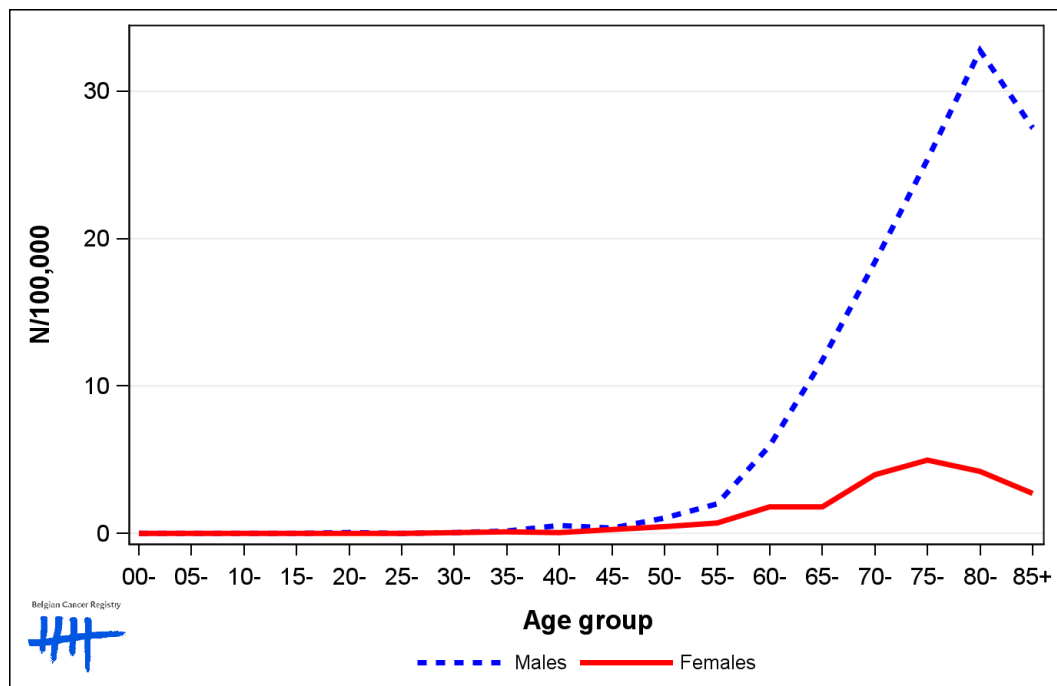
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	1.5	2.2	6.5	10.2	18.9	28.9	37.9	28.0	4.5	5.0	1.8
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.3	1.3	1.8	3.7	6.1	4.5	1.8	0.9	0.8	0.3

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: Mesothelioma: Age-specific incidence rates by sex, 2018-2022



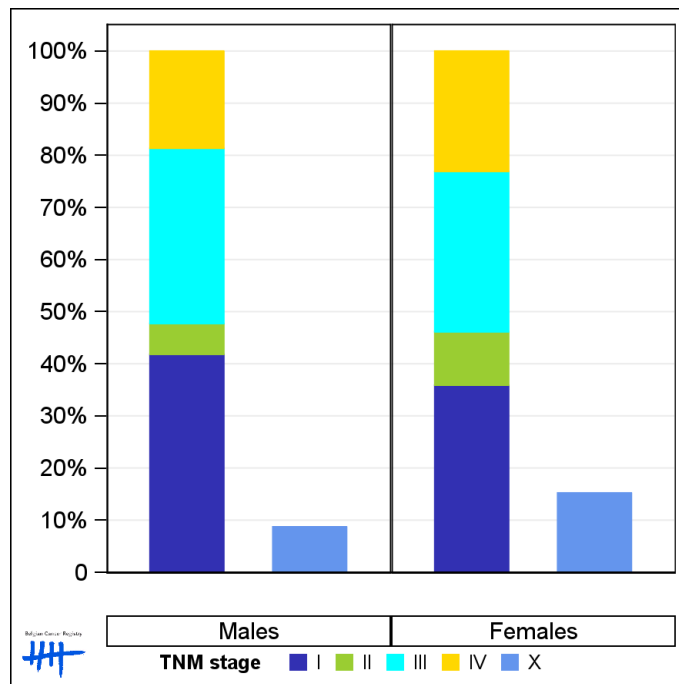
1.3. Combined stage

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

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	92	13	74	41	21	18	259
%	35.5	5.0	28.6	15.8	8.1	6.9	100
Females							
N	14	4	12	9	7	6	52
%	26.9	7.7	23.1	17.3	13.5	11.5	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: Mesothelioma: Bar chart of known combined stage by sex, Belgium 2022



1.4. Trends in incidence

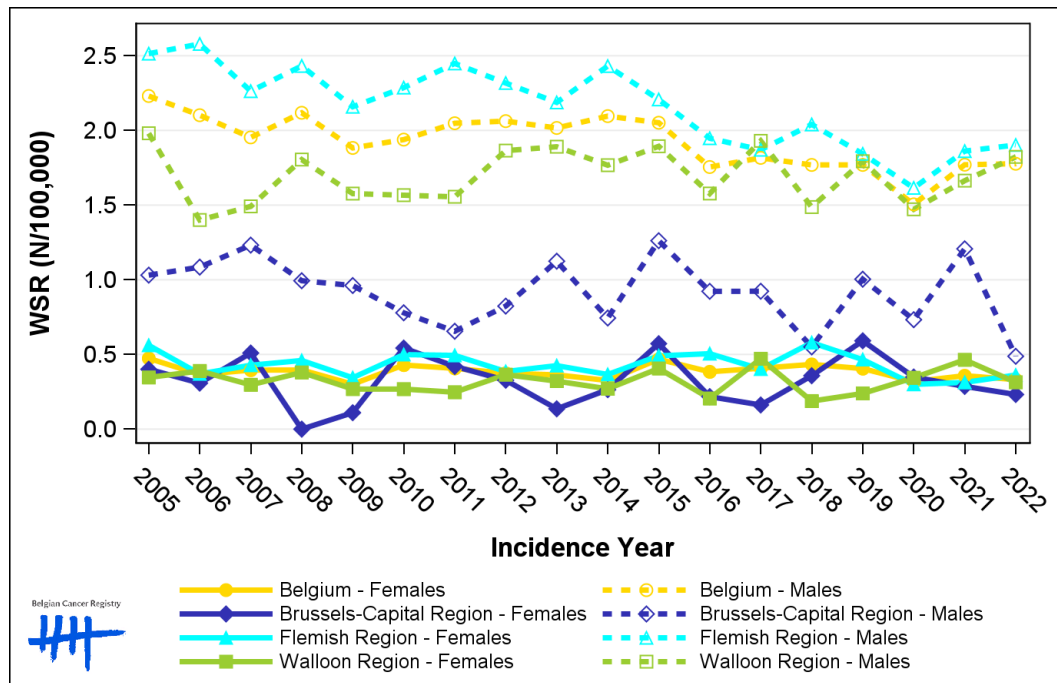
Table 4: Mesothelioma: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	2.1	1.9	1.9	2.0	2.1	2.0	2.1	2.1	1.8	1.8	1.8	1.8	1.5	1.8	1.8	-1.5	[-2.4; -0.7]
Brussels-Capital Region	1.0	1.0	0.8	0.7	0.8	1.1	0.7	1.3	0.9	0.9	0.6	1.0	0.7	1.2	0.5	-1.3	[-4.7; 2.3]
Flemish Region	2.4	2.2	2.3	2.4	2.3	2.2	2.4	2.2	1.9	1.9	2.0	1.8	1.6	1.9	1.9	-2.3	[-3.2; -1.3]
Walloon Region	1.8	1.6	1.6	1.6	1.9	1.9	1.8	1.9	1.6	1.9	1.5	1.8	1.5	1.7	1.8]-0.1;0[[-1.3; 1.2]

Females	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3	-0.3	[-2.0; 1.4]
Brussels-Capital Region	0.0	0.1	0.5	0.4	0.3	0.1	0.3	0.6	0.2	0.2	0.4	0.6	0.3	0.3	0.2	0.0	
Flemish Region	0.5	0.3	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.6	0.5	0.3	0.3	0.4	-1.3	[-3.7; 1.2]
Walloon Region	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.4	0.2	0.5	0.2	0.2	0.3	0.5	0.3	0.6	[-3.1; 4.3]

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: Mesothelioma: Age-standardised incidence rates (WSR) by incidence year, sex and region



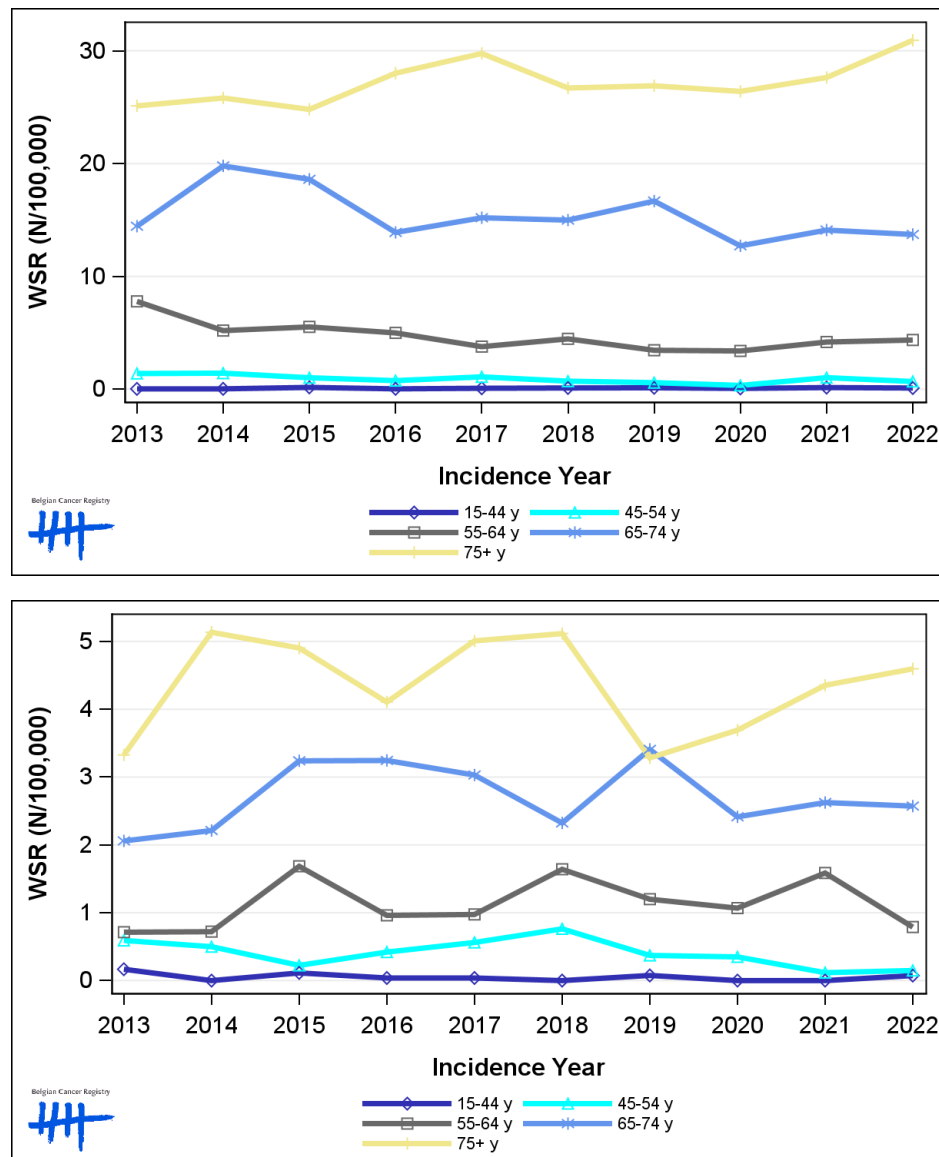
1.5. Incidence by broad age groups

Table 5: Mesothelioma: 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	228	245	240	221	238	232	238	214	242	259	2.0	2.1	2.1	1.8	1.8	1.8	1.8	1.5	1.8	1.8		
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	1	1	4	1	2	3	3	2	4	3	<0.1	<0.1	0.2	<0.1	<0.1	0.1	0.1	<0.1	0.1	0.1		
45-54 y	12	12	9	6	9	6	5	3	8	6	1.4	1.4	1.0	0.8	1.1	0.7	0.6	0.3	1.0	0.7		
55-64 y	52	36	38	34	27	32	25	25	31	33	7.8	5.2	5.5	5.0	3.8	4.5	3.5	3.4	4.2	4.4		
65-74 y	68	94	91	70	81	83	94	73	81	82	14.5	19.8	18.6	13.9	15.2	15.0	16.7	12.7	14.1	13.7		
75+ y	95	102	98	110	119	108	111	111	118	135	25.1	25.8	24.8	28.0	29.8	26.7	26.9	26.4	27.6	30.9		
Females																						
All ages	44	49	65	54	62	62	54	48	57	52	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3		
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	4	0	3	1	1	0	2	0	0	2	0.2	0.0	0.1	<0.1	<0.1	0.0	<0.1	0.0	0.0	<0.1		
45-54 y	5	4	2	3	5	6	3	3	1	1	0.6	0.5	0.2	0.4	0.6	0.8	0.4	0.3	0.1	0.1		
55-64 y	5	5	12	7	7	12	9	8	12	6	0.7	0.7	1.7	1.0	1.0	1.6	1.2	1.1	1.6	0.8		
65-74 y	11	12	17	18	18	14	22	15	18	17	2.1	2.2	3.2	3.2	3.0	2.3	3.4	2.4	2.6	2.6		
75+ y	19	28	31	25	31	30	18	22	26	26	3.3	5.1	4.9	4.1	5.0	5.1	3.3	3.7	4.4	4.6		

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

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



2. Net survival

Table 6: Mesothelioma: 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	1,184	8.4	[6.1, 11.5]	273	19.8	[14.2, 27.5]
Age group						
15-59 years	83	28.6	[19.3, 42.3]	32	NA (N<50)	-
60-74 years	519	11.0	[7.4, 16.4]	119	30.0	[21.0, 42.9]
75+ years	582	3.5	[1.6, 7.3]	122	11.7	[6.0, 22.9]
Region						
Brussels-Capital Region	36	NA (N<50)	-	23	NA (N<50)	-
Flemish Region	812	8.3	[5.8, 11.8]	175	17.8	[11.7, 27.1]
Walloon Region	336	7.3	[3.4, 15.3]	75	33.6	[22.3, 50.4]

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

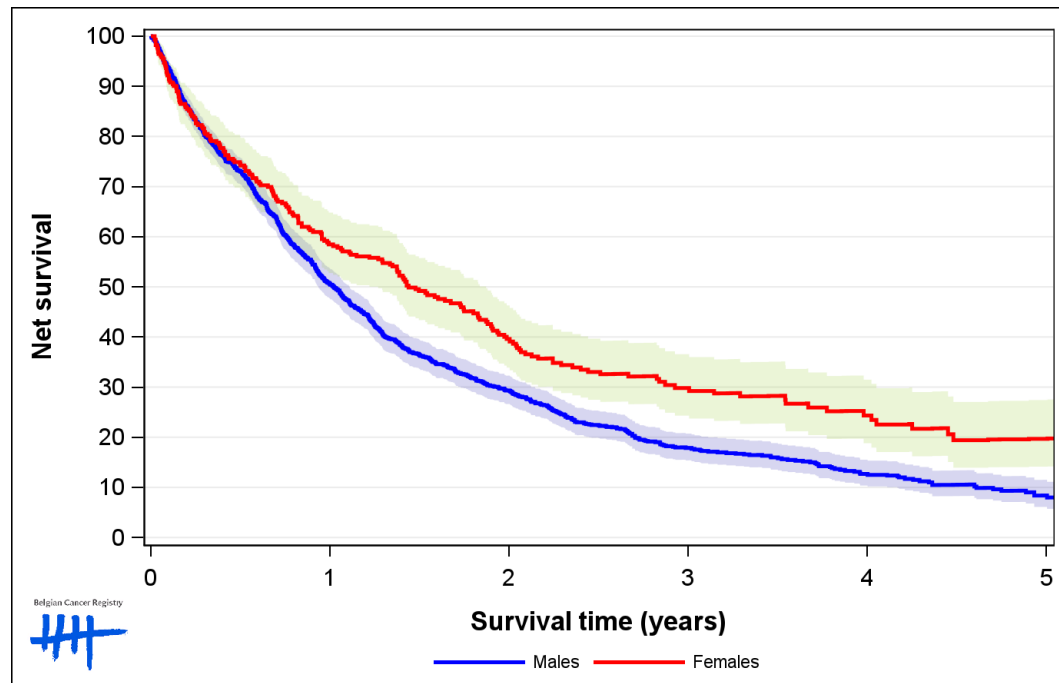


Figure 7: Mesothelioma: net survival by age group in males, Belgium 2018-2022

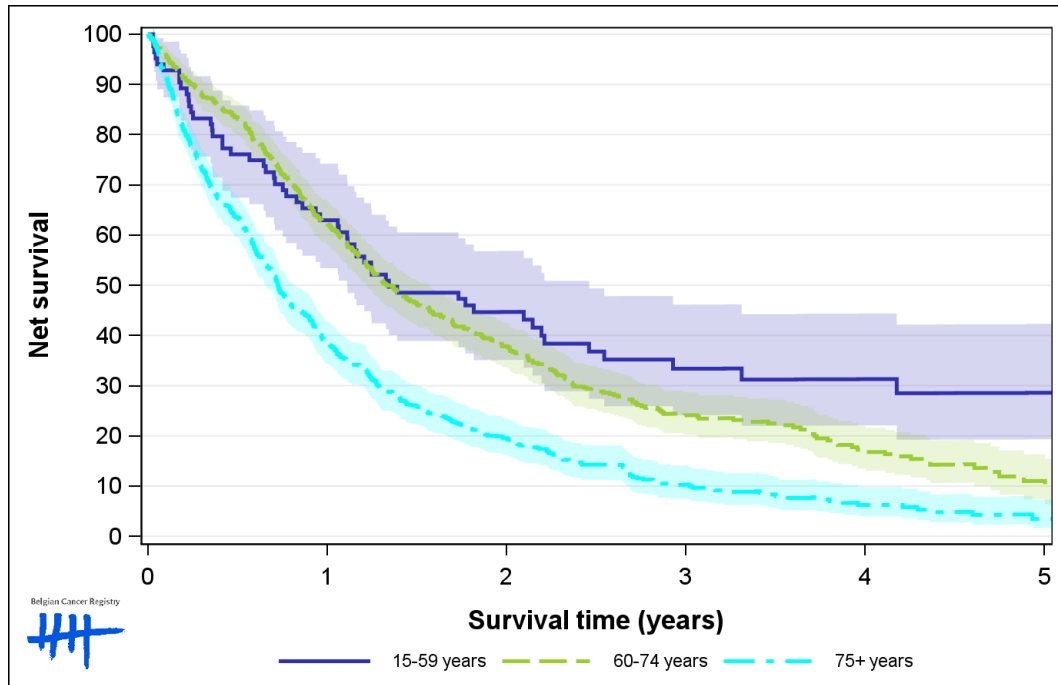


Figure 8: Mesothelioma: net survival by age group in females, Belgium 2018-2022

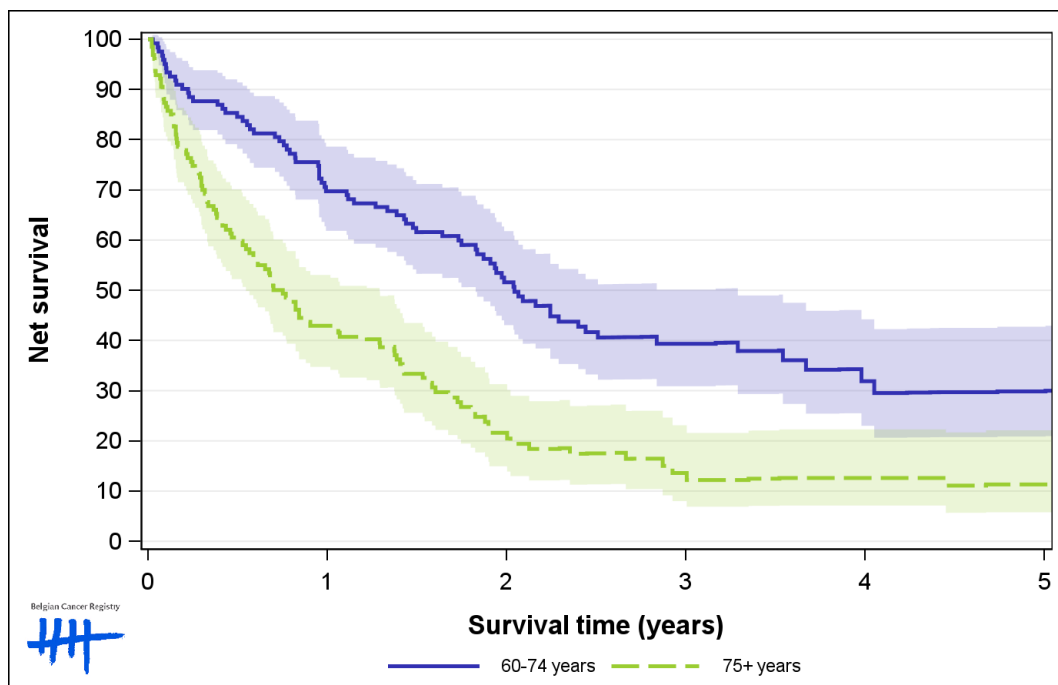


Figure 9: Mesothelioma: net survival by region in males, Belgium 2018-2022

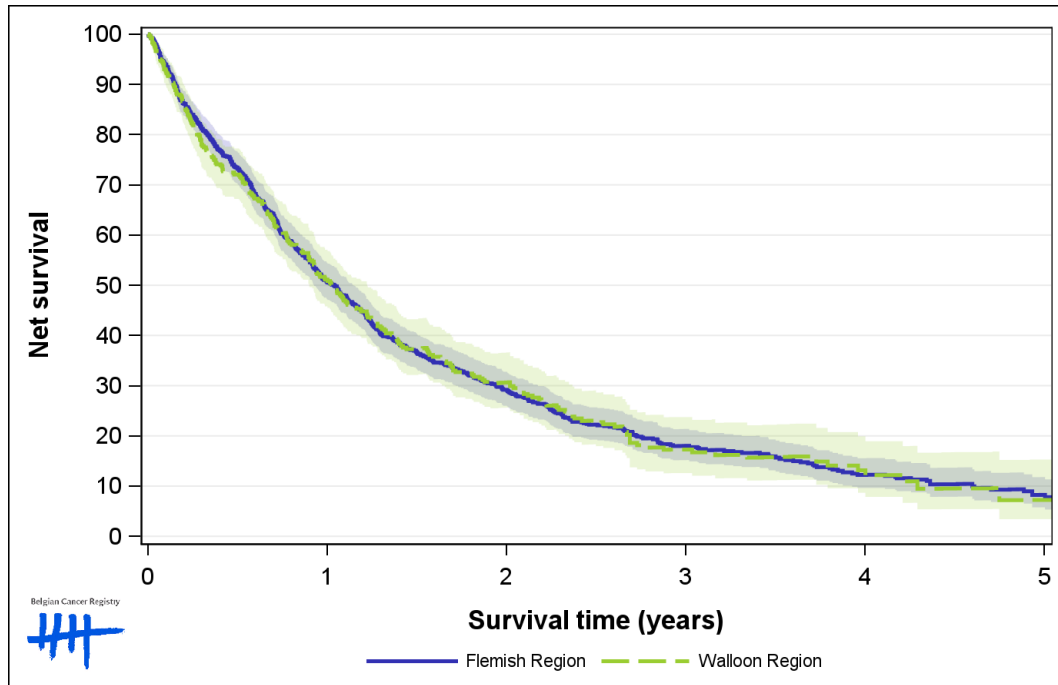


Figure 10: Mesothelioma: net survival by region in females, Belgium 2018-2022

