

Belgian Cancer Registry



Cancer Fact Sheet

Myeloid Malignancies

Belgium 2016

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Myeloid Malignancies: 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, 2016

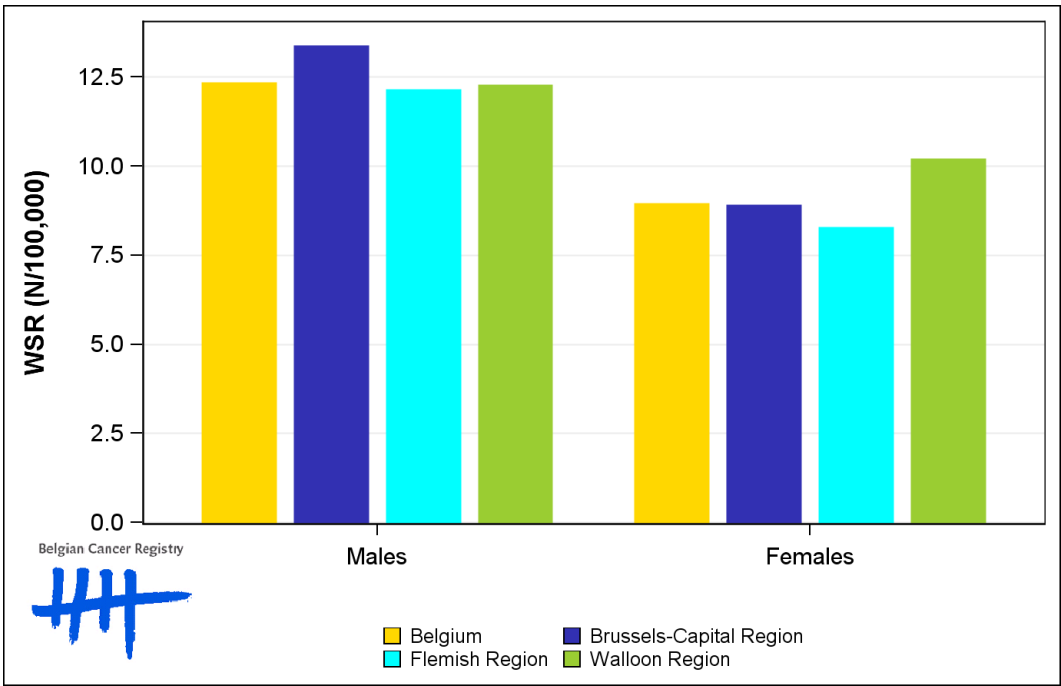
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	68.3	1,325	23.9	17.6	12.3	1.32
Brussels-Capital Region	63.7	110	19.0	18.7	13.4	1.36
Flemish Region	69.1	812	25.4	17.4	12.1	1.29
Walloon Region	67.9	403	22.9	17.7	12.3	1.35

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	69.6	1,134	19.8	12.5	8.9	0.97
Brussels-Capital Region	68.6	99	16.3	12.4	8.9	0.93
Flemish Region	70.1	632	19.3	11.6	8.3	0.87
Walloon Region	69.1	403	21.8	14.4	10.2	1.17

CR=Crude (all ages) Rate (N/100,000 person-years)
ESR=Age-Standardised Rate, using the 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: Myeloid Malignancies: Age-standardised incidence rates by sex and region, 2016



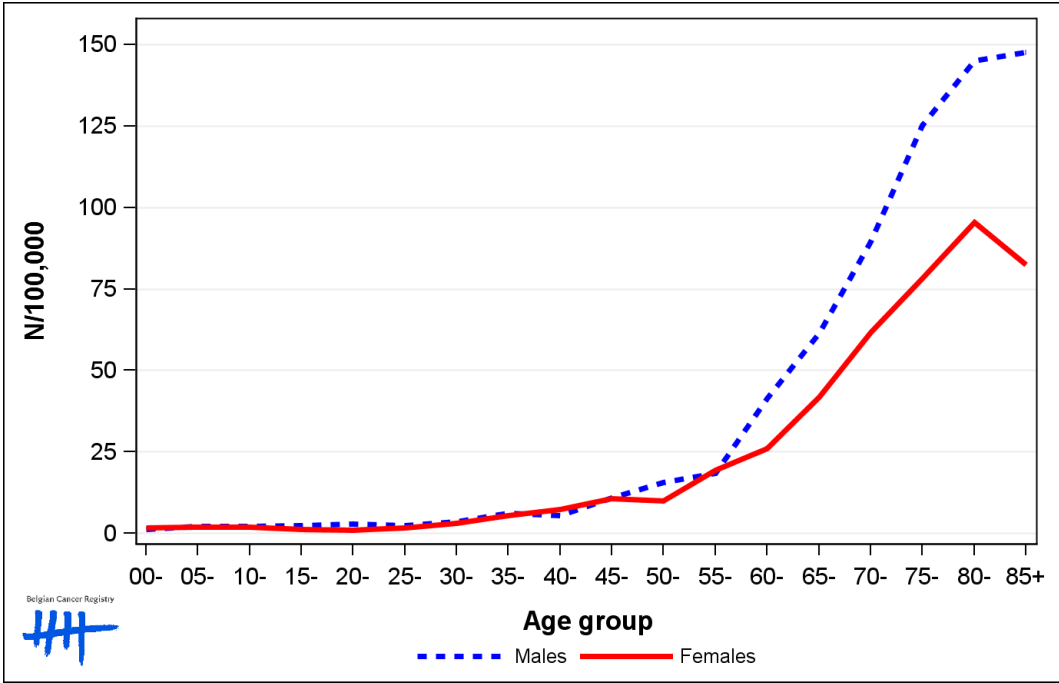
1.2. Age-specific incidence rates

Table 2: Myeloid Malignancies: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2016

	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	1.2	2.1	2.2	2.5	2.9	2.5	3.6	6.2	5.6	11.0	15.8	18.4	41.3	61.5	89.6	125.3	145.1	147.6	23.9	17.6	12.3
Females	1.6	1.9	2.0	1.3	0.9	1.7	3.0	5.5	7.3	10.8	9.8	19.3	26.0	41.9	61.7	78.1	95.5	82.6	19.8	12.5	8.9

CR=Crude (all ages) Rate (N/100,000 person-years)
ESR=Age-Standardised Rate, using the European Standard Population (N/100,000 person-years)
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 2: Myeloid Malignancies: Age-specific incidence rates by sex, 2016



1.3. Trends in incidence

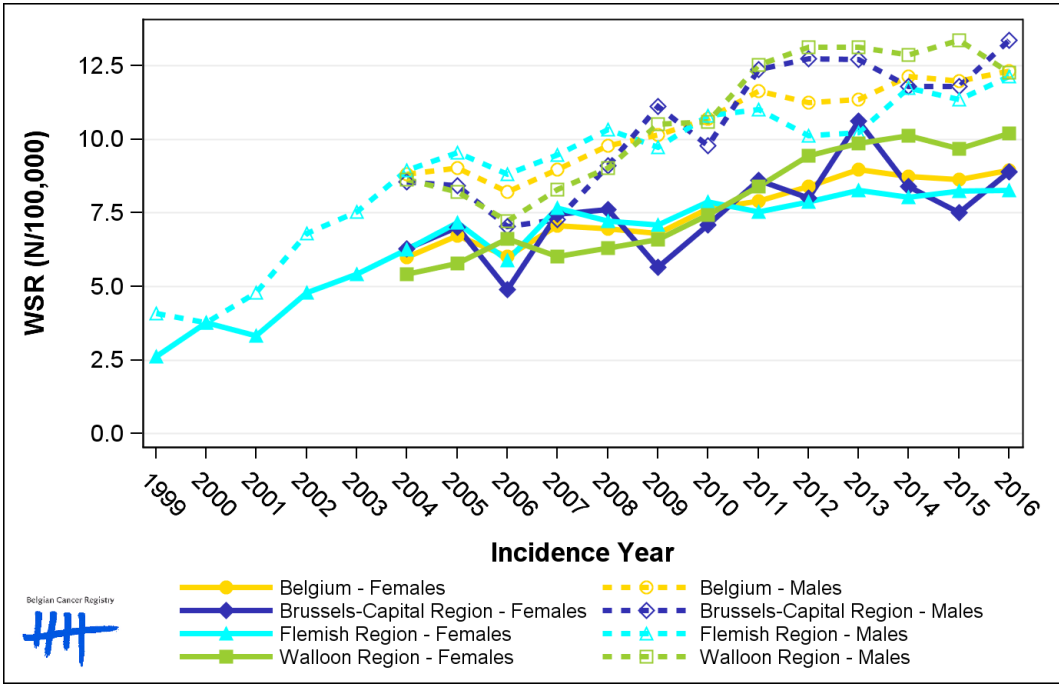
Table 3: Myeloid Malignancies: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			8.8	9.0	8.2	9.0	9.8	10.2	10.7	11.7	11.3	11.4	12.1	12.0	12.3	3.4	[2.6; 4.2]
Brussels-Capital Region			8.6	8.4	7.0	7.3	9.1	11.1	9.8	12.4	12.7	12.7	11.8	11.8	13.4	3.0	[1.3; 4.7]
Flemish Region	6.8	7.5	8.9	9.6	8.8	9.5	10.3	9.7	10.8	11.0	10.1	10.2	11.8	11.4	12.1	4.1	[3.3; 4.9]
Walloon Region			8.6	8.2	7.2	8.3	9.0	10.5	10.6	12.5	13.1	13.1	12.9	13.4	12.3	3.1	[2.3; 3.9]

Females	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			6.0	6.7	6.0	7.1	7.0	6.8	7.6	7.9	8.4	9.0	8.7	8.6	8.9	3.6	[2.7; 4.4]
Brussels-Capital Region			6.3	7.0	4.9	7.5	7.6	5.6	7.1	8.6	8.0	10.6	8.4	7.5	8.9	3.5	[0.8; 6.1]
Flemish Region	4.8	5.4	6.3	7.2	5.9	7.7	7.2	7.1	7.9	7.5	7.9	8.3	8.0	8.2	8.3	3.6	[2.7; 4.5]
Walloon Region			5.4	5.8	6.6	6.0	6.3	6.6	7.4	8.4	9.5	9.9	10.1	9.7	10.2	5.0	[4.2; 5.9]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2004-2016 period (except for the Flemish region : 2002-2016).

Figure 3: Myeloid Malignancies: Age-standardised incidence rates (WSR) by incidence year, sex and region



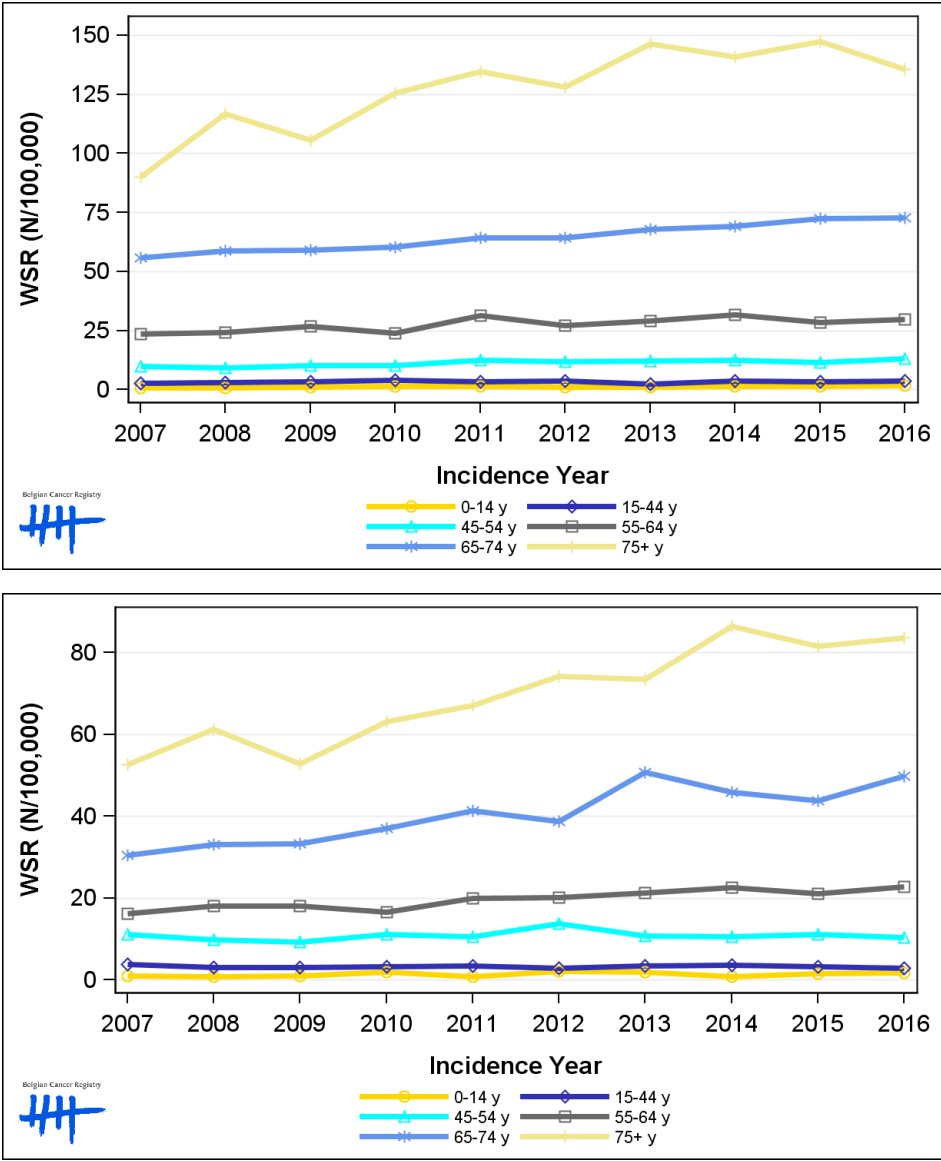
1.4. Incidence by broad age groups

Table 4: Myeloid Malignancies: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N										WSR									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Males																				
All ages	832	949	970	1,057	1,175	1,147	1,228	1,294	1,323	1,325	9.0	9.8	10.2	10.7	11.7	11.3	11.4	12.1	12.0	12.3
0-14 y	8	8	11	13	14	11	10	12	13	18	0.9	0.9	1.2	1.4	1.5	1.2	1.0	1.3	1.3	1.8
15-44 y	62	75	80	89	79	89	61	84	81	84	2.6	3.1	3.4	3.9	3.3	3.8	2.5	3.6	3.4	3.7
45-54 y	75	71	80	83	101	97	101	104	96	109	9.7	9.1	10.2	10.3	12.4	11.8	12.2	12.6	11.5	13.2
55-64 y	141	147	171	156	208	181	195	216	196	207	23.6	24.1	26.8	24.0	31.4	27.1	29.1	31.8	28.6	29.9
65-74 y	247	254	258	270	284	293	316	329	353	366	55.9	58.6	59.1	60.5	64.4	64.4	67.7	69.1	72.3	72.7
75+ y	299	394	370	446	489	476	545	549	584	541	90.1	116.6	105.5	125.5	134.6	128.2	146.4	141.0	147.3	135.8
Females																				
All ages	741	789	750	851	922	1,001	1,050	1,110	1,085	1,134	7.1	7.0	6.8	7.6	7.9	8.4	9.0	8.7	8.6	8.9
0-14 y	9	7	8	17	7	19	18	7	14	17	1.0	0.8	0.9	2.0	0.8	2.1	2.0	0.8	1.6	1.8
15-44 y	89	72	73	74	80	65	81	81	75	71	3.9	3.1	3.1	3.2	3.5	2.8	3.4	3.5	3.3	2.9
45-54 y	85	76	74	88	85	113	86	84	88	82	11.1	9.8	9.3	11.2	10.5	13.8	10.7	10.5	11.1	10.4
55-64 y	100	114	118	110	136	139	147	157	149	163	16.2	18.1	18.2	16.6	20.0	20.2	21.4	22.5	21.1	22.7
65-74 y	159	167	171	189	209	201	266	244	238	277	30.5	33.1	33.3	37.0	41.3	38.6	50.8	45.8	43.8	49.8
75+ y	299	353	306	373	405	464	452	537	521	524	52.6	61.2	52.8	63.1	67.0	74.1	73.5	86.4	81.6	83.6

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

Figure 4: Myeloid Malignancies: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



2. Relative survival

Table 5: Myeloid Malignancies: 5-year relative survival proportion by sex, age group and region, Belgium 2012-2016

5-year relative survival 2012-2016 (%)						
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	6,224	53.0	[51.2, 54.9]	5,274	59.0	[57.2, 61.0]
Age group						
15-59 years	1,280	78.0	[75.2, 80.6]	1,159	78.0	[75.2, 80.6]
60-74 years	2,258	55.0	[52.2, 57.8]	1,625	63.1	[60.1, 66.1]
75+ years	2,687	35.8	[32.5, 39.3]	2,490	45.2	[41.9, 48.7]
Region						
Brussels-Capital Region	509	49.2	[42.9, 55.6]	464	61.6	[55.0, 67.9]
Flemish Region	3,637	53.6	[51.2, 56.1]	2,896	60.4	[57.9, 63.0]
Walloon Region	2,078	52.9	[49.7, 56.1]	1,914	56.4	[53.2, 59.6]

Figure 5: Myeloid Malignancies: relative survival proportion by sex, Belgium 2012-2016

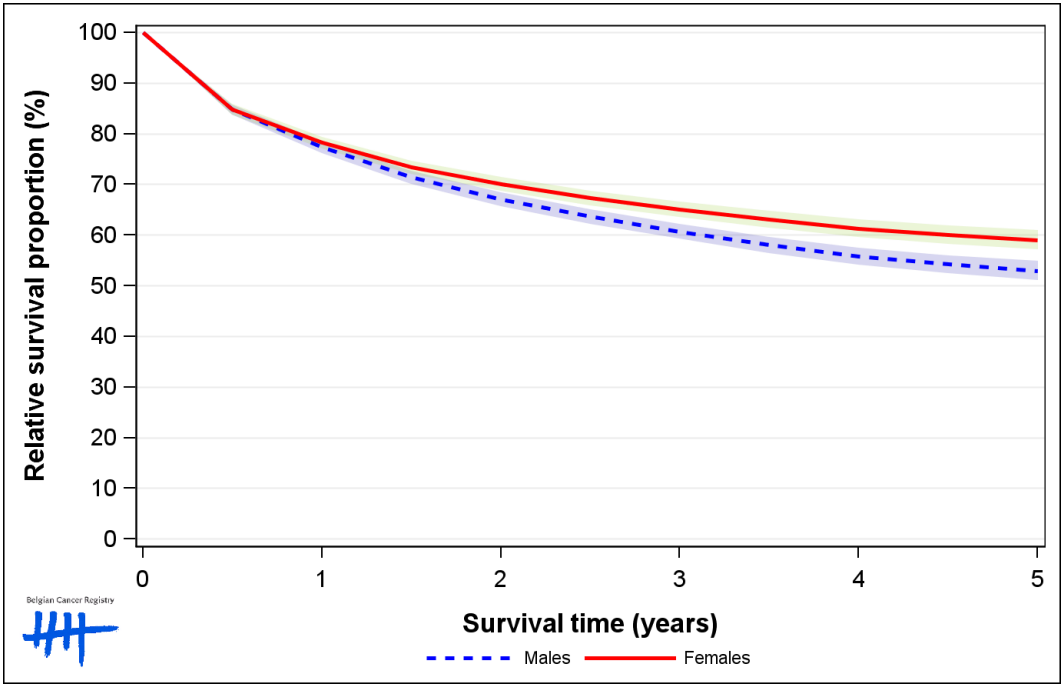


Figure 6: Myeloid Malignancies: relative survival proportion by age group in males, Belgium 2012-2016

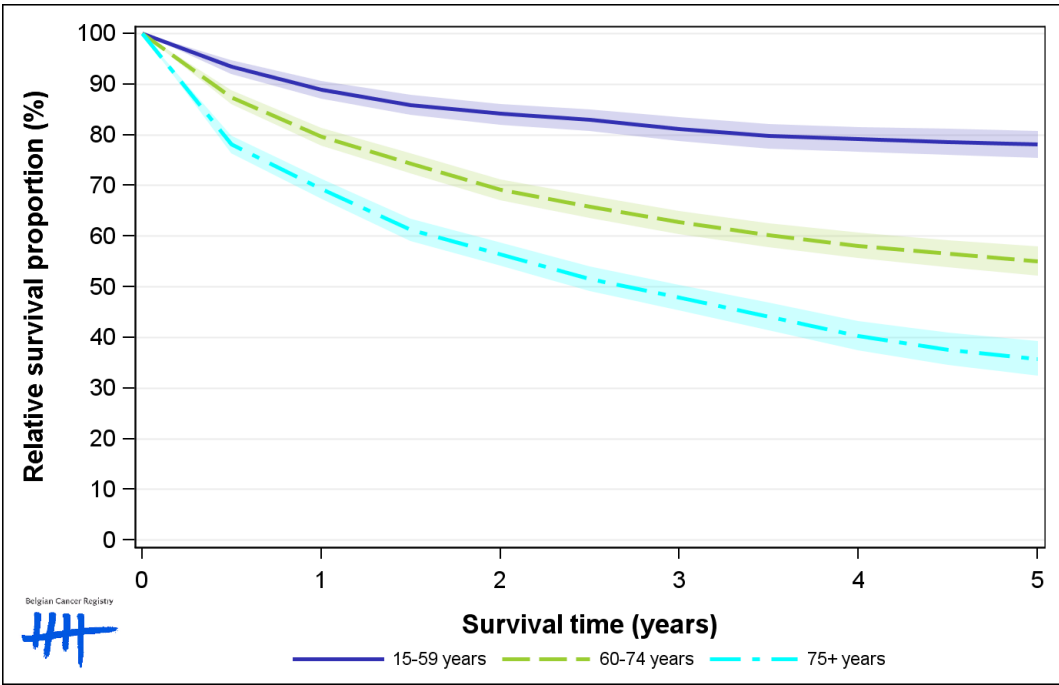


Figure 7: Myeloid Malignancies: relative survival proportion by age group in females, Belgium 2012-2016

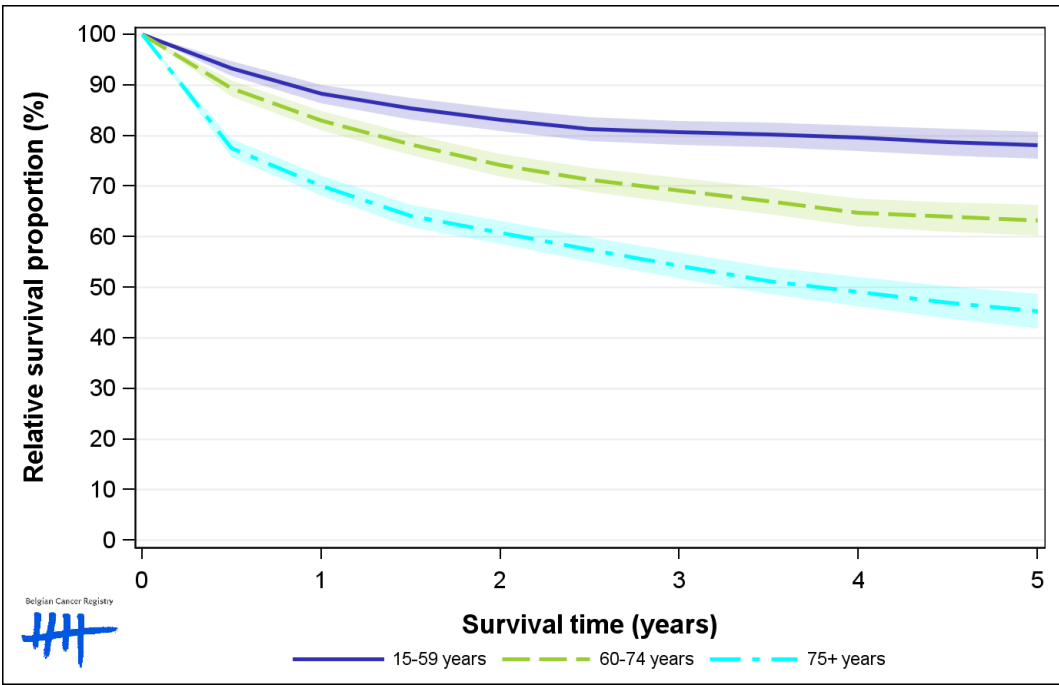


Figure 8: Myeloid Malignancies: relative survival proportion by region in males, Belgium 2012-2016

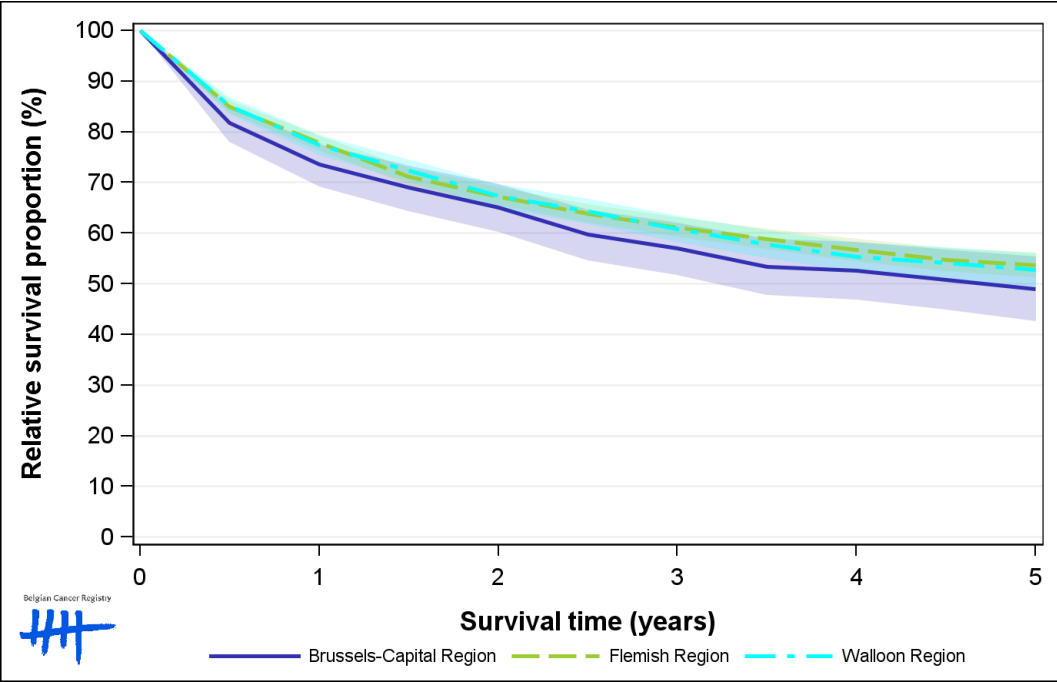


Figure 9: Myeloid Malignancies: relative survival proportion by region in females, Belgium 2012-2016

