



Belgian Cancer Registry



Cancer Fact Sheet **Central nervous system**

ICD10 : C71-C72

Belgium 2018

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Central Nervous System Cancers: 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, 2018

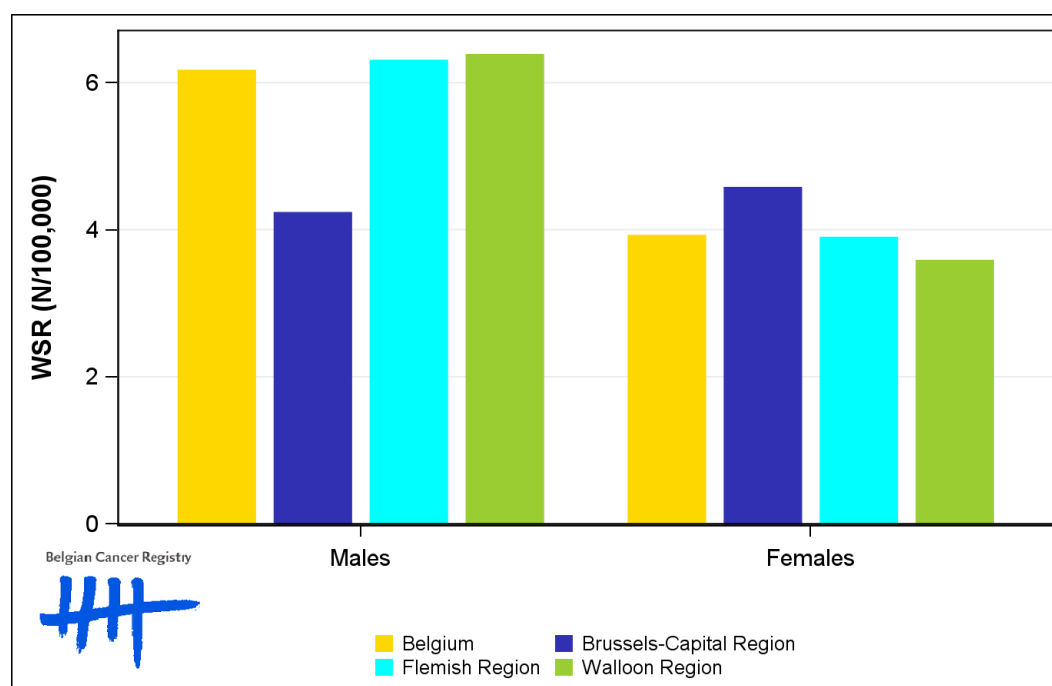
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	57.4	511	9.1	7.7	6.2	0.60
Brussels-Capital Region	49.3	30	5.1	5.1	4.2	0.37
Flemish Region	58.8	321	9.9	7.9	6.3	0.62
Walloon Region	56.0	160	9.0	7.8	6.4	0.62

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	58.9	348	6.0	4.8	3.9	0.40
Brussels-Capital Region	48.3	34	5.6	5.2	4.6	0.36
Flemish Region	60.7	213	6.4	4.9	3.9	0.41
Walloon Region	58.6	101	5.4	4.4	3.6	0.39

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 (%)



Figure 1: Central Nervous System Cancers: Age-standardised incidence rates by sex and region, 2018



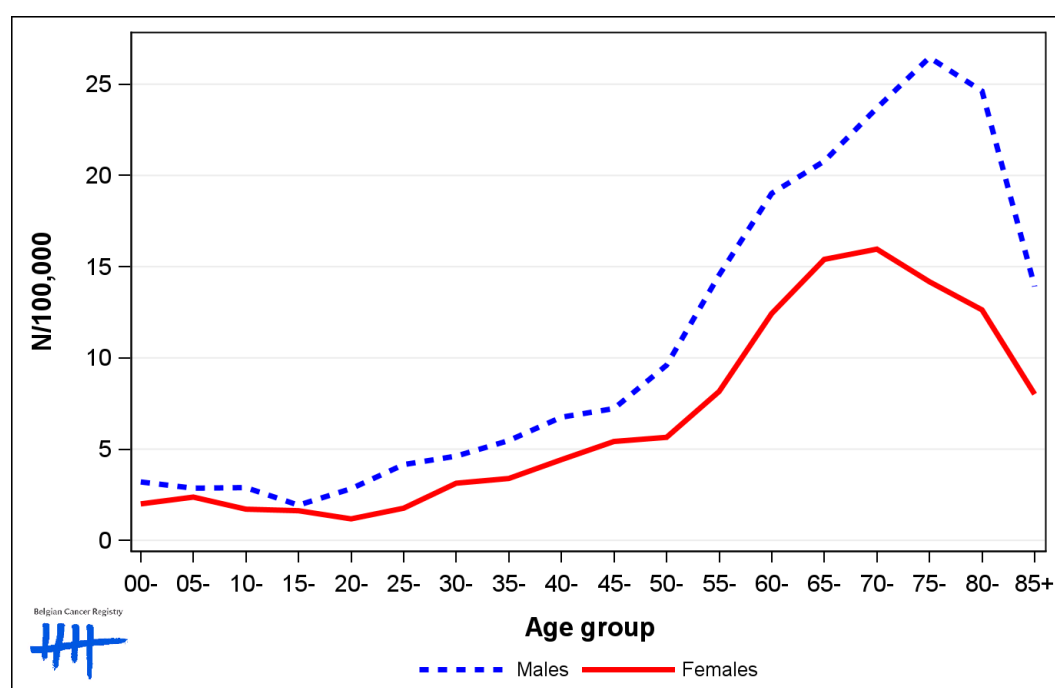
1.2. Age-specific incidence rates

Table 2: Central Nervous System Cancers: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2018

	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	3.1	3.5	2.4	1.2	1.8	3.8	3.9	4.5	6.5	7.1	10.0	16.6	16.3	17.5	23.0	33.5	30.2	10.6	9.1	7.7	6.2
Females	2.0	1.8	2.2	0.7	0.6	1.9	3.3	2.4	4.4	6.7	7.0	7.9	7.9	14.6	17.4	15.0	12.8	9.2	6.0	4.8	3.9

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: Central Nervous System Cancers: Age-specific incidence rates by sex, 2014-2018



1.3. Trends in incidence

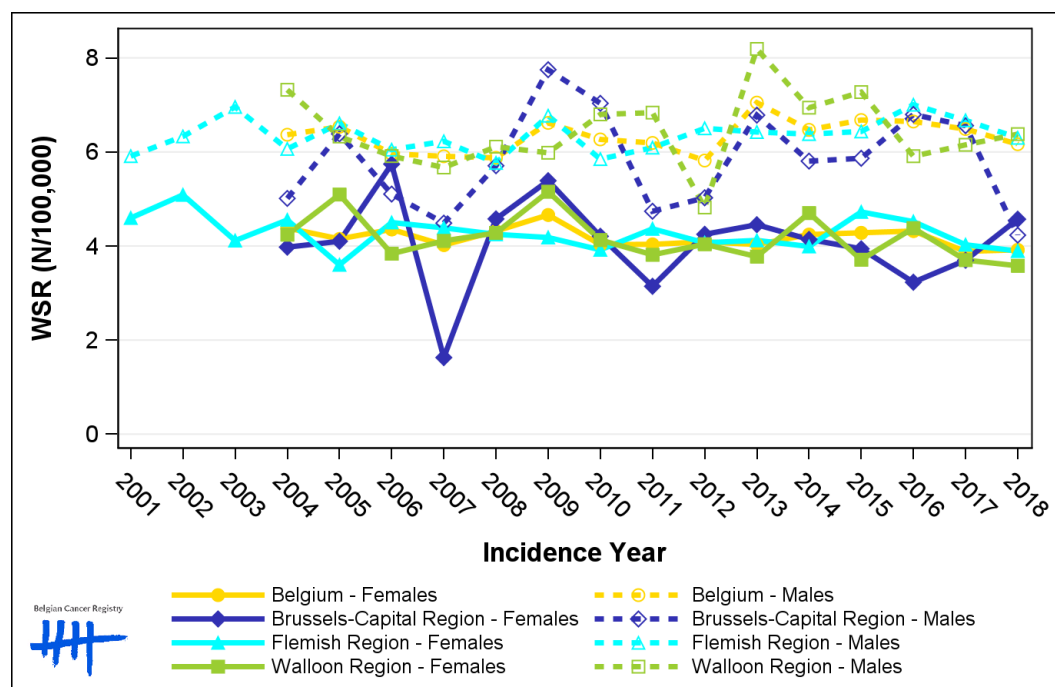
Table 3: Central Nervous System Cancers: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	6.4	6.5	6.0	5.9	5.9	6.6	6.3	6.2	5.8	7.1	6.5	6.7	6.6	6.5	6.2	0.4	[-0.3; 1.1]
Brussels-Capital Region	5.0	6.4	5.1	4.5	5.7	7.8	7.0	4.7	5.0	6.8	5.8	5.9	6.8	6.6	4.2	0.3	[-2.0; 2.8]
Flemish Region	6.1	6.6	6.0	6.2	5.8	6.8	5.8	6.1	6.5	6.4	6.4	6.4	7.0	6.7	6.3	0.5	[-0.1; 1.2]
Walloon Region	7.3	6.3	5.9	5.7	6.1	6.0	6.8	6.8	4.8	8.2	6.9	7.3	5.9	6.2	6.4	0.2	[-1.5; 1.9]

Females	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	4.4	4.2	4.4	4.0	4.3	4.7	4.0	4.0	4.1	4.0	4.2	4.3	4.3	3.9	3.9	-0.5	[-1.1; 0.1]
Brussels-Capital Region	4.0	4.1	5.7	1.6	4.6	5.4	4.2	3.1	4.3	4.5	4.1	3.9	3.2	3.7	4.6	0.1	[-3.7; 4.1]
Flemish Region	4.6	3.6	4.5	4.4	4.2	4.2	3.9	4.4	4.1	4.1	4.0	4.7	4.5	4.0	3.9	-0.1	[-1.1; 0.9]
Walloon Region	4.2	5.1	3.8	4.1	4.3	5.2	4.1	3.8	4.0	3.8	4.7	3.7	4.4	3.7	3.6	-1.1	[-2.5; 0.2]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2004-2018 period

Figure 3: Central Nervous System Cancers: Age-standardised incidence rates (WSR) by incidence year, sex and region



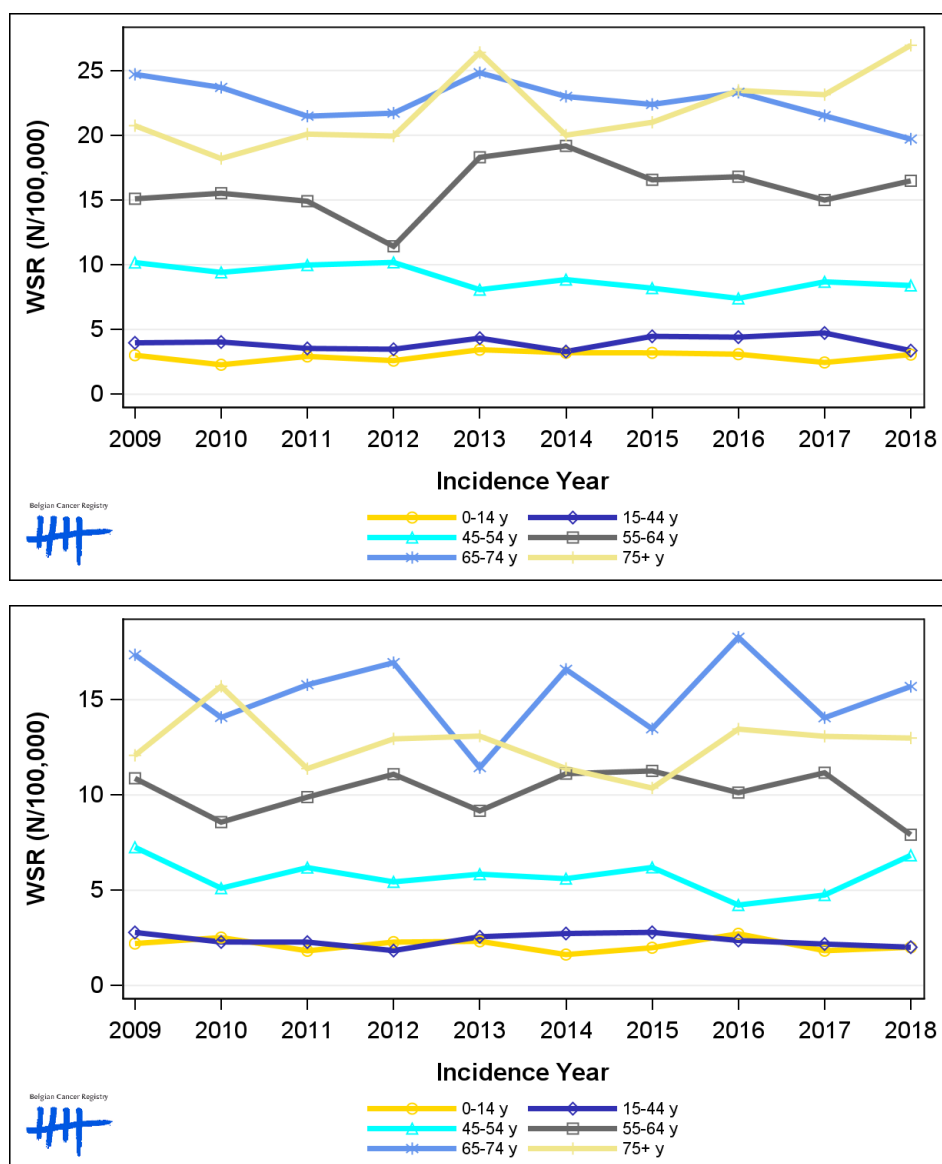
1.4. Incidence by broad age groups

Table 4: Central Nervous System Cancers: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N										WSR									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Males																				
All ages	472	462	459	438	536	499	506	523	511	511	6.6	6.3	6.2	5.8	7.1	6.5	6.7	6.6	6.5	6.2
0-14 y	28	21	28	25	33	31	30	31	24	30	3.0	2.3	2.9	2.6	3.4	3.2	3.2	3.1	2.5	3.1
15-44 y	92	94	84	81	100	78	102	102	107	79	4.0	4.0	3.5	3.5	4.3	3.3	4.5	4.4	4.7	3.4
45-54 y	80	76	82	84	67	73	68	62	70	69	10.2	9.4	10.0	10.2	8.1	8.9	8.2	7.4	8.7	8.4
55-64 y	96	101	99	76	123	130	115	118	108	121	15.1	15.5	14.9	11.4	18.3	19.2	16.6	16.8	15.0	16.5
65-74 y	106	105	95	98	115	109	109	117	112	107	24.7	23.7	21.5	21.7	24.8	23.0	22.4	23.3	21.5	19.7
75+ y	70	65	71	74	98	78	82	93	90	105	20.7	18.2	20.1	19.9	26.4	20.0	21.0	23.5	23.1	26.9
Females																				
All ages	359	328	329	342	320	353	344	367	340	348	4.7	4.0	4.0	4.1	4.0	4.2	4.3	4.3	3.9	3.9
0-14 y	19	22	16	21	21	15	18	26	17	19	2.2	2.5	1.8	2.3	2.3	1.6	2.0	2.7	1.8	2.0
15-44 y	62	51	53	43	56	62	63	56	49	48	2.8	2.3	2.3	1.8	2.6	2.7	2.8	2.4	2.2	2.0
45-54 y	57	41	50	44	47	45	50	33	38	54	7.3	5.1	6.2	5.4	5.8	5.6	6.2	4.2	4.8	6.8
55-64 y	71	57	67	76	63	77	80	72	81	59	10.9	8.6	9.9	11.1	9.2	11.1	11.3	10.1	11.2	7.9
65-74 y	84	70	78	85	60	87	72	101	80	93	17.4	14.1	15.8	16.9	11.4	16.6	13.5	18.3	14.1	15.7
75+ y	66	87	65	73	73	67	61	79	75	75	12.1	15.7	11.4	12.9	13.1	11.4	10.4	13.5	13.1	13.0

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

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



2. Relative survival

Table 5: Central Nervous System Cancers: 5-year relative survival proportion by sex, age group and region, Belgium 2014-2018

	5-year relative survival 2014-2018 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	2,385	21.7	[19.7, 23.8]	1,651	24.9	[22.4, 27.5]
Age group						
15-59 years	1,076	39.8	[36.2, 43.5]	652	46.2	[41.7, 50.7]
60-74 years	862	8.7	[6.6, 11.4]	643	13.8	[10.6, 17.5]
75+ years	447	2.5	[1.1, 5.3]	356	4.1	[1.6, 8.8]
Region						
Brussels-Capital Region	173	29.0	[21.2, 37.4]	137	33.7	[24.8, 43.1]
Flemish Region	1,475	20.9	[18.4, 23.7]	1,015	25.0	[21.8, 28.3]
Walloon Region	737	21.3	[17.9, 25.0]	499	22.3	[18.1, 26.9]

Figure 5: Central Nervous System Cancers: relative survival proportion by sex, Belgium 2014-2018

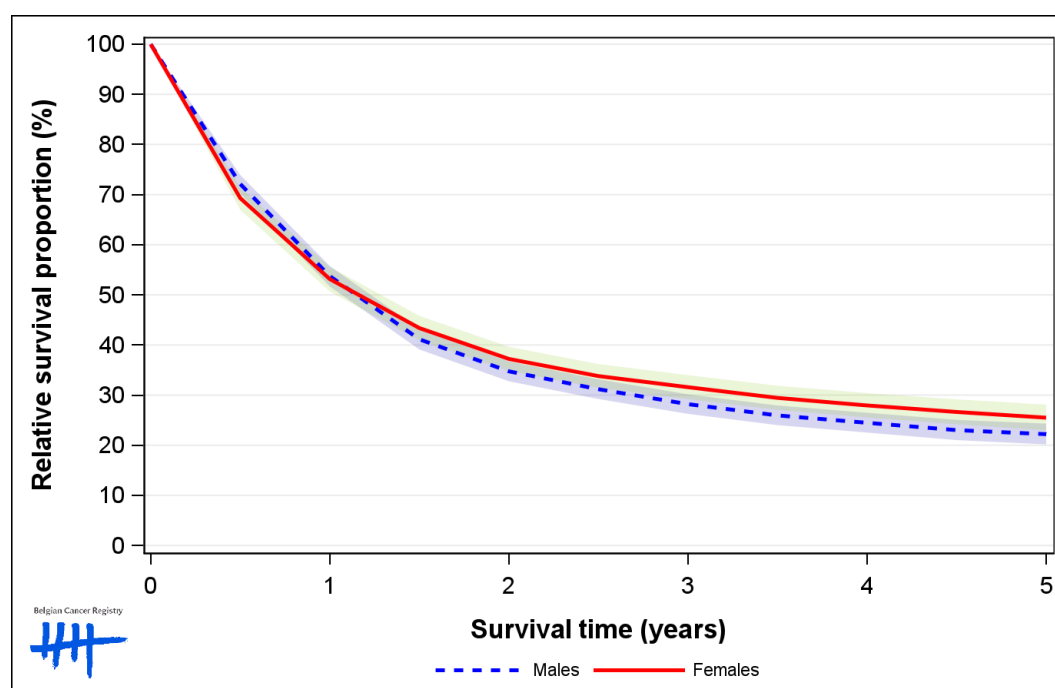


Figure 6: Central Nervous System Cancers: relative survival proportion by age group in males, Belgium 2014-2018

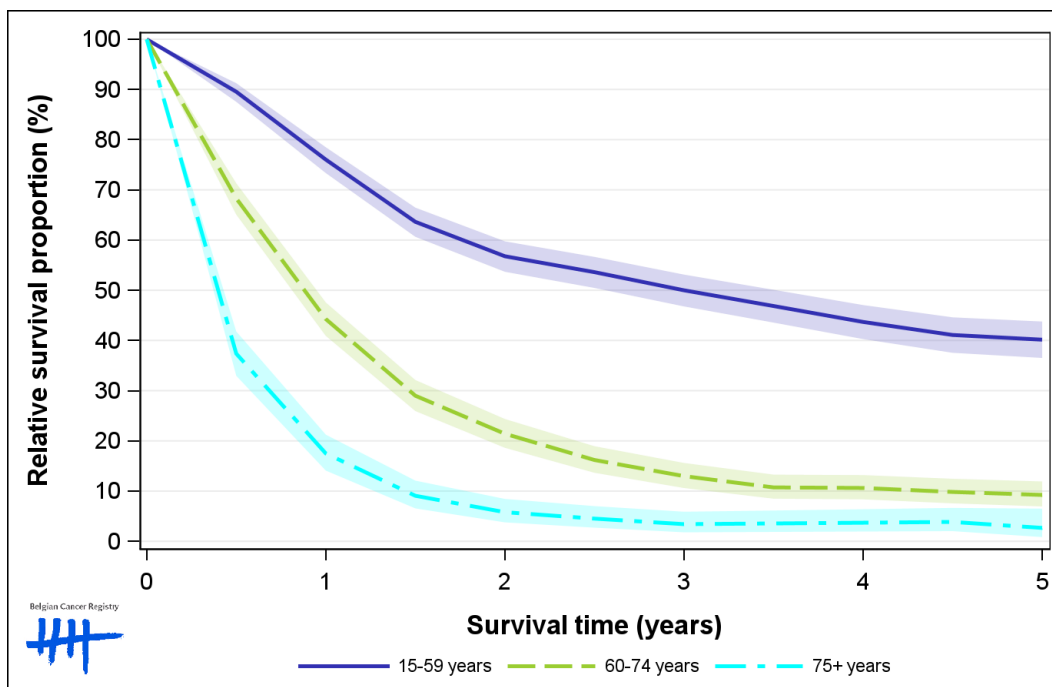


Figure 7: Central Nervous System Cancers: relative survival proportion by age group in females, Belgium 2014-2018

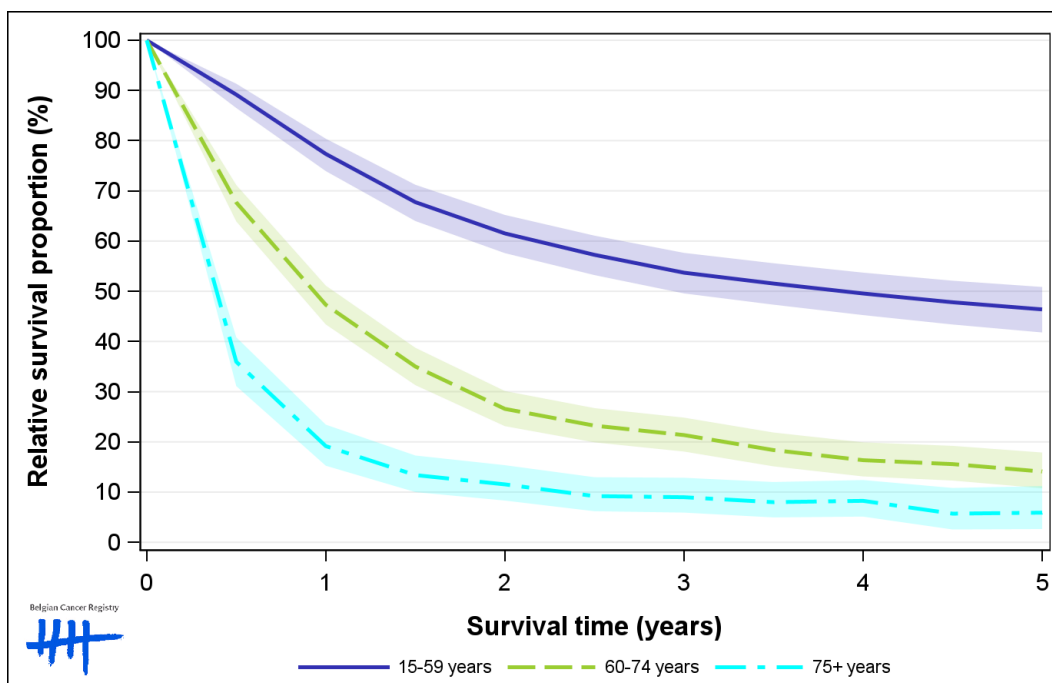


Figure 8: Central Nervous System Cancers: relative survival proportion by region in males, Belgium 2014-2018

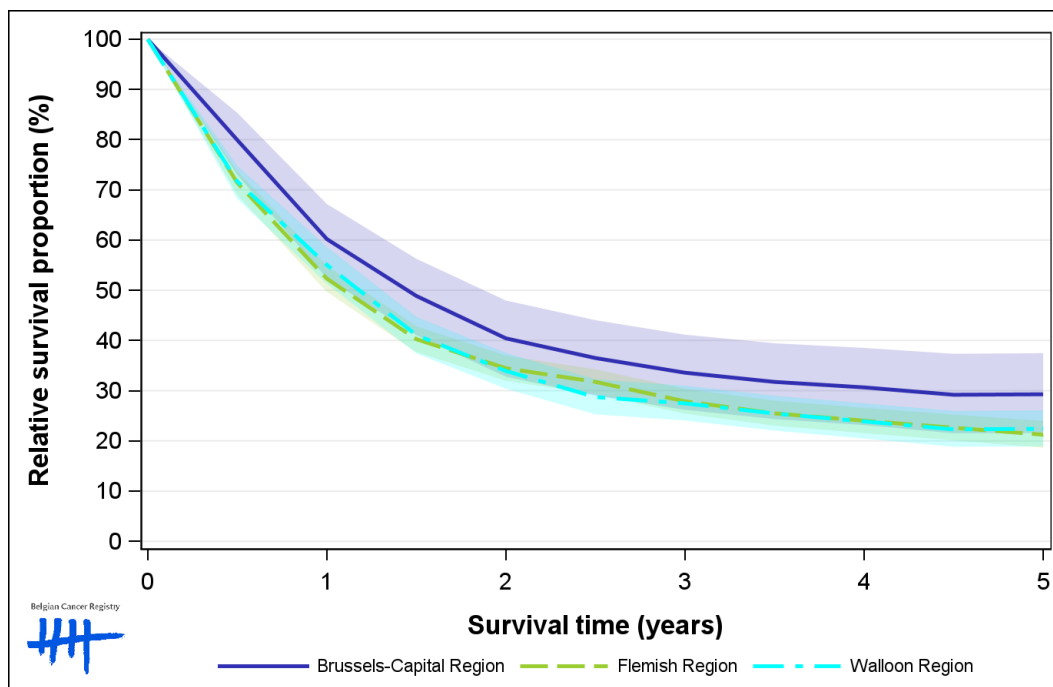


Figure 9: Central Nervous System Cancers: relative survival proportion by region in females, Belgium 2014-2018

