



Belgian Cancer Registry



Cancer Fact Sheet **Ovarian Cancer**

ICD10 : C56

Belgium 2020

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Ovarian 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 region, 2020

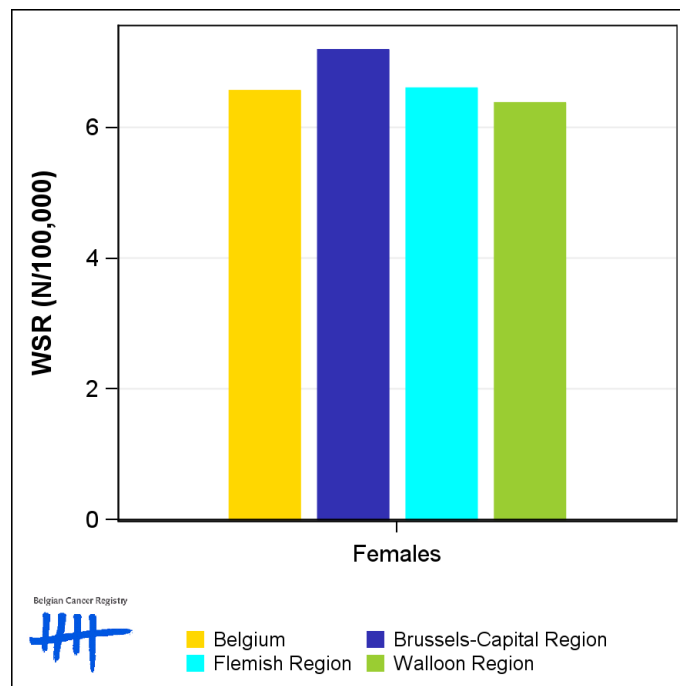
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	67.9	808	13.9	9.3	6.6	0.75
Brussels-Capital Region	67.3	75	12.1	10.4	7.2	0.87
Flemish Region	68.4	489	14.6	9.4	6.6	0.78
Walloon Region	67.0	244	13.1	9.0	6.4	0.68

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR (1976)=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: Ovarian Cancer: Age-standardised incidence rates by region, 2020



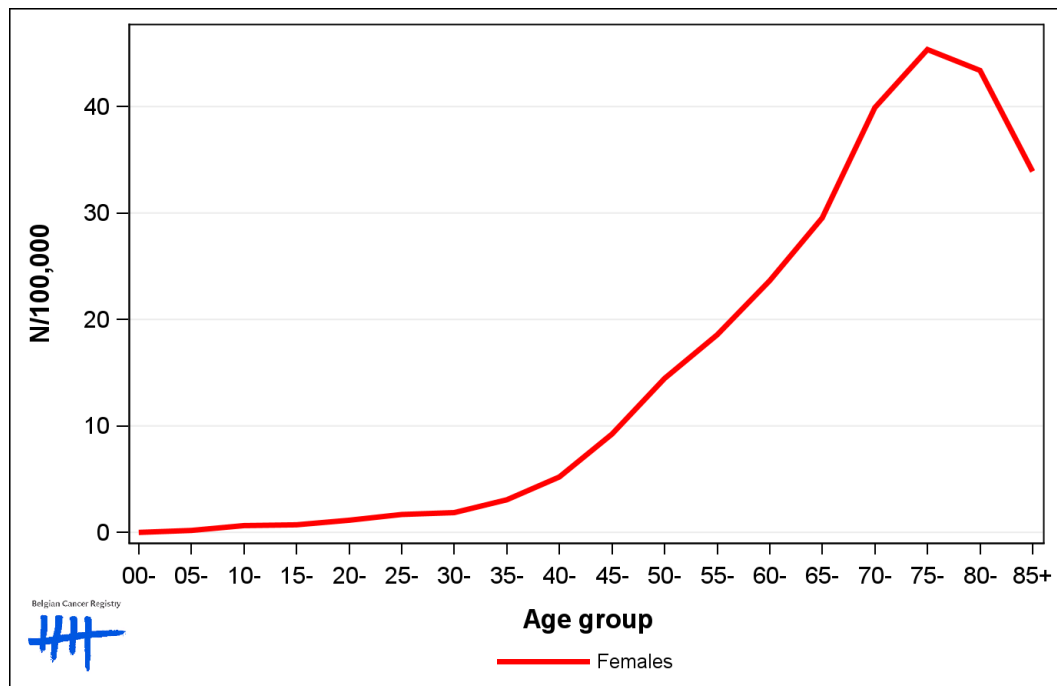
1.2. Age-specific incidence rates

Table 2: Ovarian Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2020

	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Females	0.0	0.0	0.6	0.6	1.2	1.9	0.8	2.9	3.8	8.7	13.8	19.3	23.4	33.3	40.5	61.1	45.0	35.3	13.9	9.3	6.6

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR (1976)=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: Ovarian Cancer: Age-specific incidence rates, 2016-2020



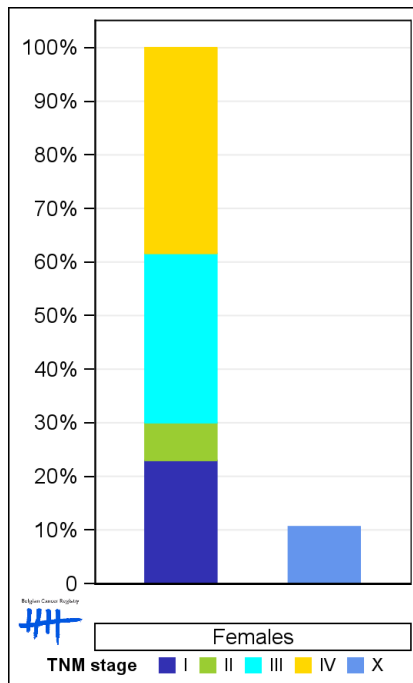
1.3. Combined stage

Table 3: Ovarian Cancer: Distribution of combined stage, Belgium 2020

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Females							
N	163	50	224	272	84	15	808
%	20.2	6.2	27.7	33.7	10.4	1.9	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: Ovarian Cancer: Bar chart of known combined stage, Belgium 2020



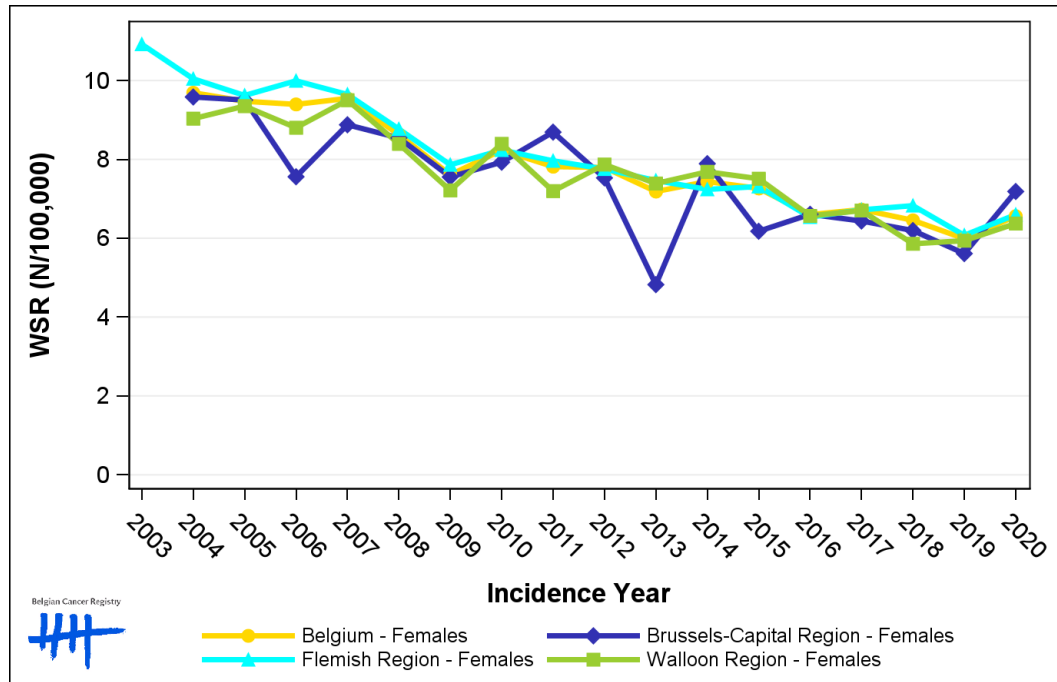
1.4. Trends in incidence

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

Females	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	AAPC	95% CI
Belgium	9.4	9.5	8.6	7.6	8.2	7.8	7.8	7.2	7.4	7.3	6.6	6.7	6.5	6.0	6.6	-2.9	[-3.4; -2.3]
Brussels-Capital Region	7.6	8.9	8.5	7.6	7.9	8.7	7.5	4.8	7.9	6.2	6.6	6.4	6.2	5.6	7.2	-2.3	[-4.1; -0.5]
Flemish Region	10.0	9.6	8.8	7.9	8.2	8.0	7.8	7.5	7.2	7.3	6.5	6.7	6.8	6.1	6.6	-3.3	[-3.8; -2.8]
Walloon Region	8.8	9.5	8.4	7.2	8.4	7.2	7.9	7.4	7.7	7.5	6.6	6.7	5.9	5.9	6.4	-2.8	[-3.6; -1.9]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2006-2020 period

Figure 4: Ovarian Cancer: Age-standardised incidence rates (WSR) by incidence year and region



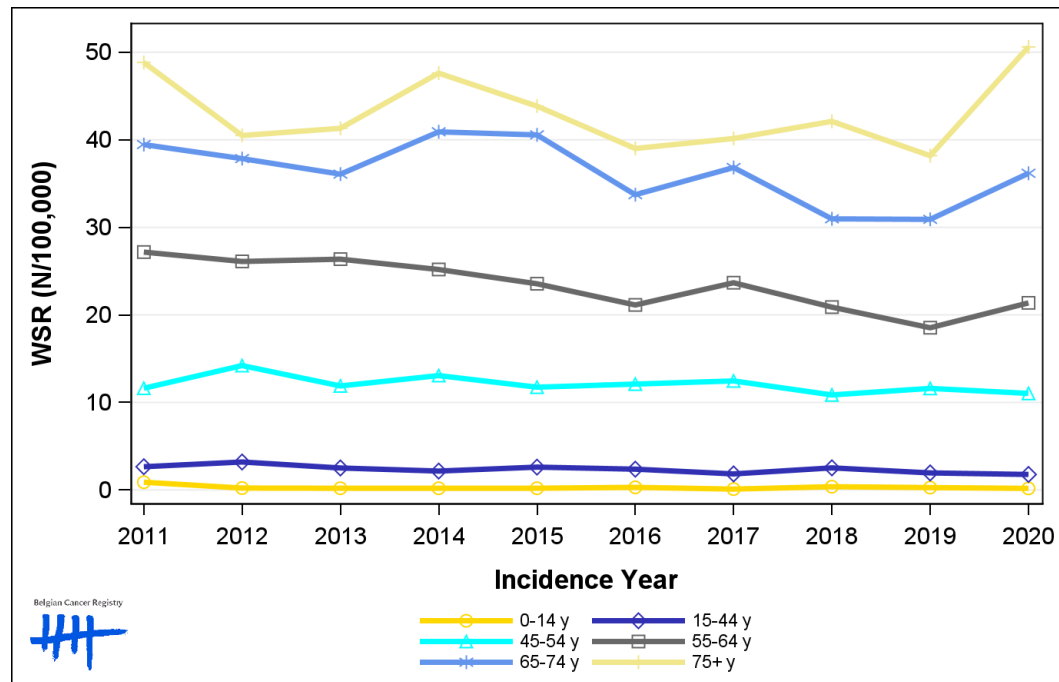
1.5. Incidence by broad age groups

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

	N										WSR									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Females																				
All ages	828	799	774	835	805	730	771	744	708	808	7.8	7.8	7.2	7.4	7.3	6.6	6.7	6.5	6.0	6.6
0-14 y	9	2	2	2	2	3	1	4	3	2	0.9	0.2	0.2	0.2	0.2	0.3	<0.1	0.4	0.3	0.2
15-44 y	62	71	61	51	60	55	44	62	45	41	2.7	3.2	2.5	2.2	2.6	2.4	1.8	2.5	1.9	1.8
45-54 y	94	116	98	105	96	98	100	88	94	87	11.6	14.2	11.9	13.1	11.7	12.1	12.5	10.9	11.6	11.0
55-64 y	184	179	182	176	166	153	172	154	140	163	27.2	26.1	26.4	25.2	23.6	21.1	23.7	20.9	18.5	21.4
65-74 y	197	192	187	216	219	187	214	184	190	224	39.5	37.9	36.1	40.9	40.6	33.7	36.8	31.0	30.9	36.2
75+ y	282	239	244	285	262	234	240	252	236	291	48.8	40.5	41.3	47.6	43.8	39.0	40.2	42.1	38.2	50.6

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

Figure 5: Ovarian Cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups, Belgium



2. Relative survival

Table 6: Ovarian Cancer: 5-year relative survival proportion by age group and region, Belgium 2016-2020

	5-year relative survival 2016-2020 (%)		
	Females		
	N at risk	estimate	95% CI
Overall	3,726	45.6	[43.3, 47.8]
Age group			
15-44 years	244	75.5	[67.1, 82.0]
45-69 years	1,706	55.7	[52.4, 58.8]
70+ years	1,776	30.2	[26.9, 33.5]
Region			
Brussels-Capital Region	304	48.7	[40.5, 56.6]
Flemish Region	2,288	46.2	[43.4, 49.1]
Walloon Region	1,134	43.5	[39.5, 47.5]

Figure 6: Ovarian Cancer: relative survival proportion, Belgium 2016-2020

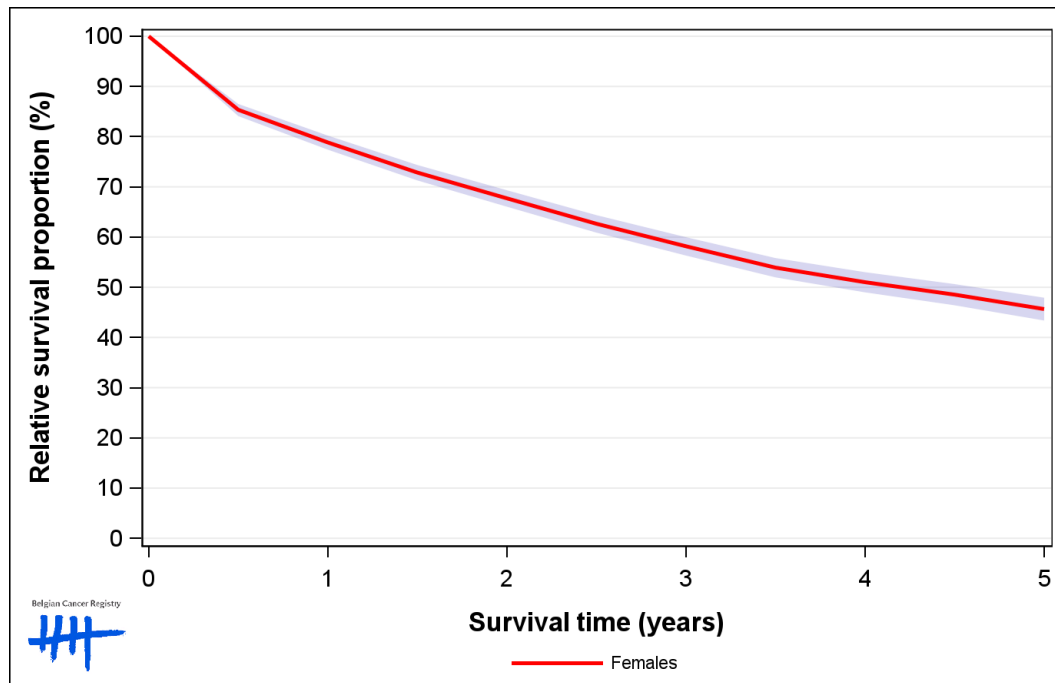


Figure 7: Ovarian Cancer: relative survival proportion by age group, Belgium 2016-2020

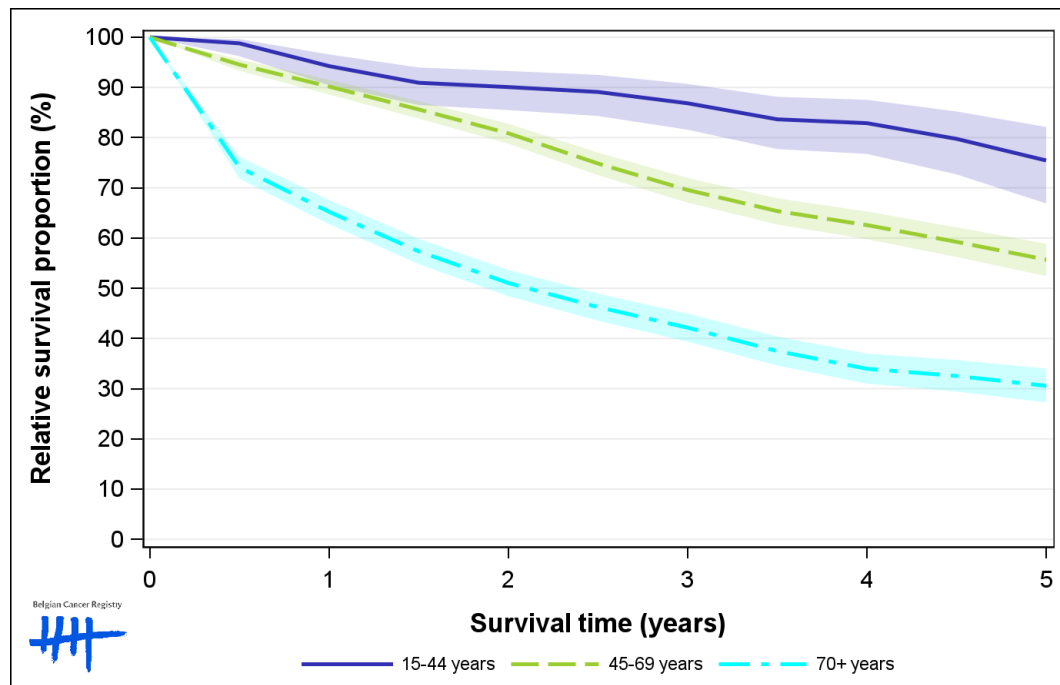


Figure 8: Ovarian Cancer: relative survival proportion by region, Belgium 2016-2020

