Belgian Cancer Registry

Cancer Fact Sheet **Ovarian Cancer**

ICD10 : C56

Belgium 2016

1. Cancer Incidence
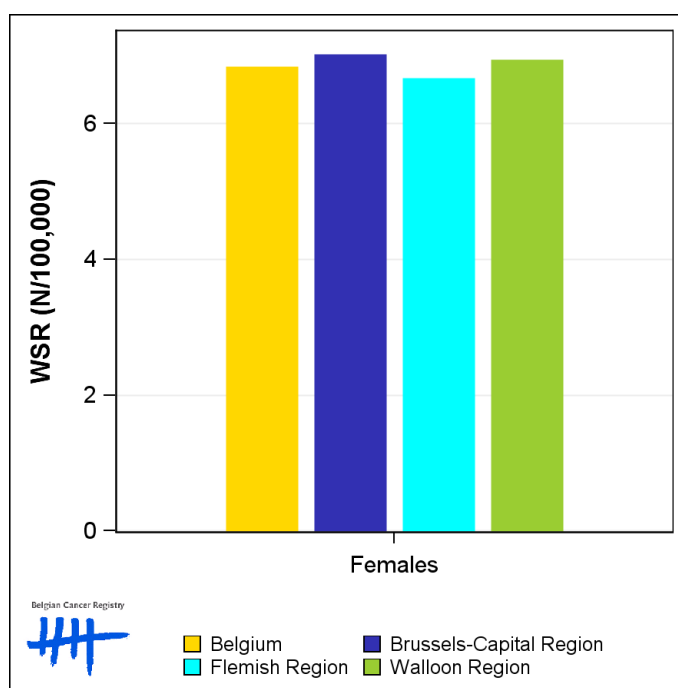## 1.1. Number of new diagnoses and incidence rates

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, 2016

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	**65.6**	**752**	**13.1**	**9.4**	**6.8**	**0.79**
Brussels-Capital Region	61.6	66	10.9	9.6	7.0	0.70
Flemish Region	66.5	445	13.6	9.3	6.7	0.79
Walloon Region	65.1	241	13.1	9.5	6.9	0.78

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 (%)

Belgian Cancer Registry

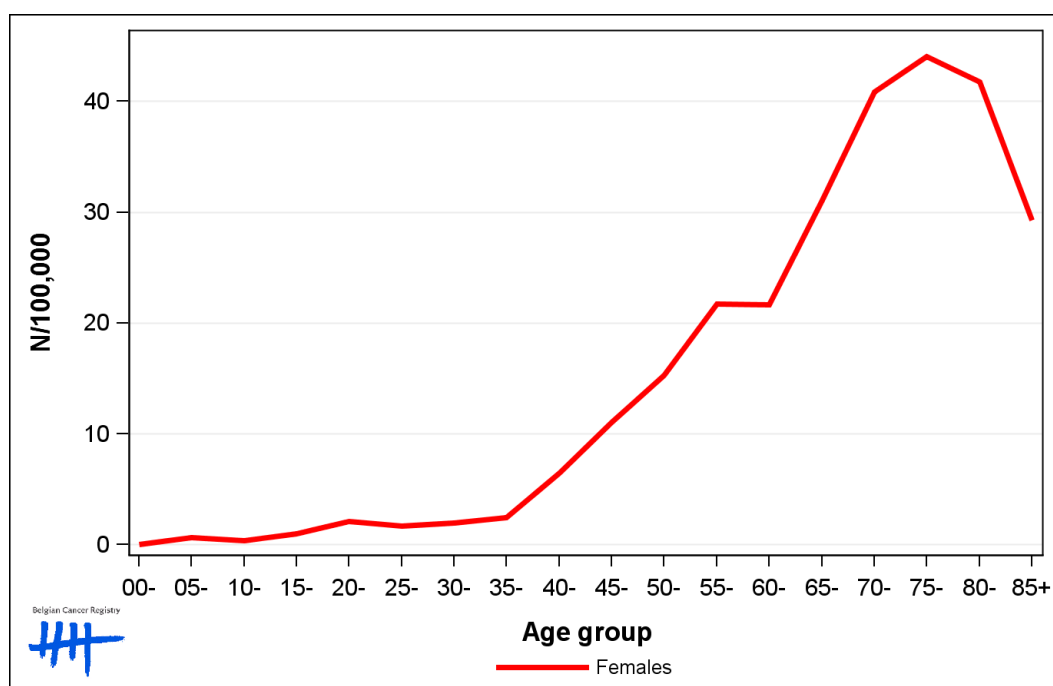**Figure 1:** Ovarian Cancer: Age-standardised incidence rates by region, 2016

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 2016

	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Females	0.0	0.6	0.3	1.0	2.1	1.7	1.9	2.5	6.5	11.0	15.3	21.7	21.6	31.1	40.9	44.1	41.8	29.3	13.1	9.4	6.8

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)

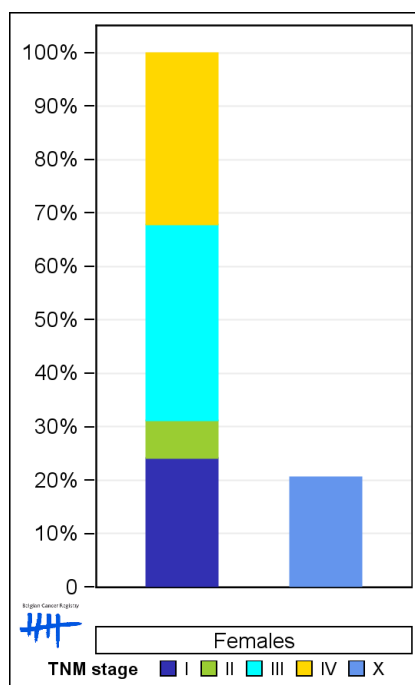*Figure 2:* Ovarian Cancer: Age-specific incidence rates, 2016

1.3. Combined stage

Table 3: Ovarian Cancer: Distribution of combined stage, Belgium 2016

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Females							
N	142	42	216	189	153	10	752
%	18.9	5.6	28.7	25.1	20.3	1.3	100

Staging according to the TNM 7th edition (Ref:Sobin LH, Gospodarowicz MK,
Wittekind Ch. TNM classification of malignant tumours, UICC 7th 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 2016
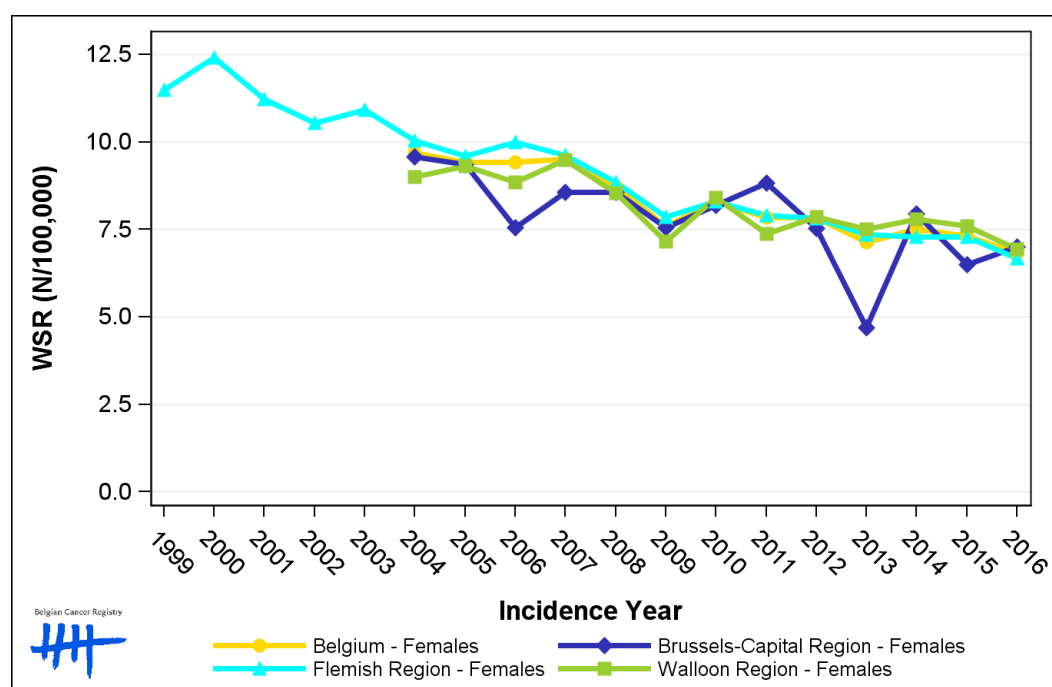

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1.4. Trends in incidence

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

Females	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			9.7	9.4	9.4	9.5	8.7	7.6	8.3	7.8	7.8	7.1	7.5	7.3	6.8	**-2.9**	**[-3.5; -2.2]**
Brussels-Capital Region			9.6	9.4	7.6	8.6	8.6	7.6	8.2	8.8	7.5	4.7	7.9	6.5	7.0	-2.9	[-5.3; -0.5]
Flemish Region	10.6	10.9	10.0	9.6	10.0	9.6	8.8	7.9	8.3	7.9	7.8	7.3	7.3	7.3	6.7	-3.3	[-3.8; -2.9]
Walloon Region			9.0	9.3	8.8	9.5	8.5	7.1	8.4	7.4	7.9	7.5	7.8	7.6	6.9	-2.1	[-3.1; -1.1]

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 4: Ovarian Cancer: Age-standardised incidence rates (WSR) by incidence year and region
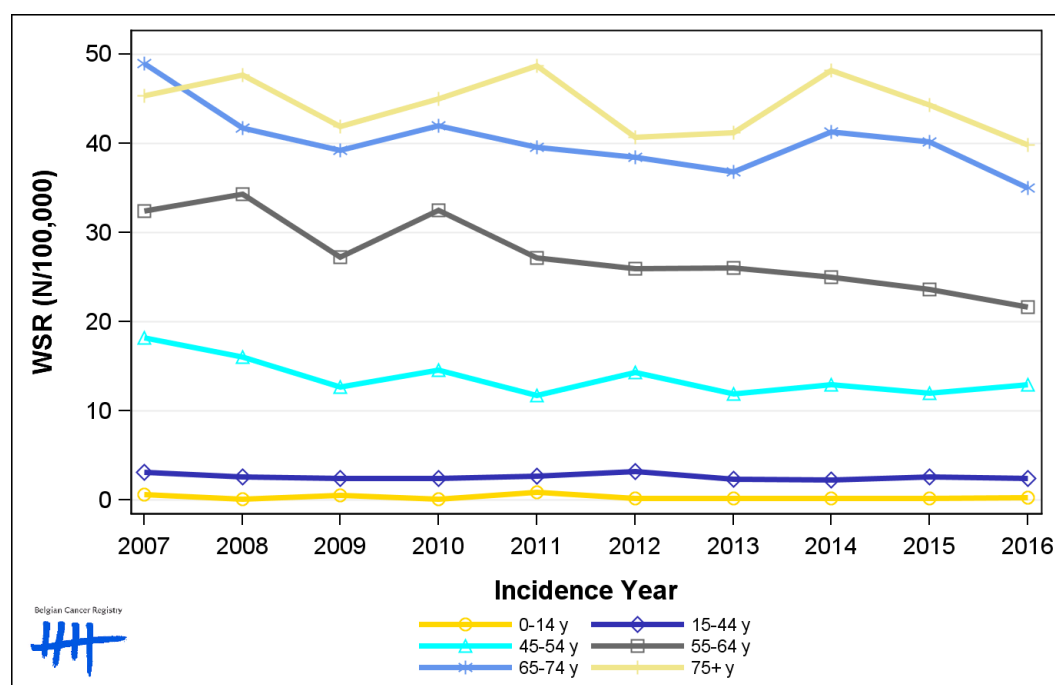
1.5. Incidence by broad age groups

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

	N										WSR									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Females																				
All ages	920	885	784	865	829	803	773	841	810	752	9.5	8.7	7.6	8.3	7.8	7.8	7.1	7.5	7.3	6.8
0-14 y	6	1	5	1	9	2	2	2	2	3	0.6	0.1	0.5	0.1	0.9	0.2	0.2	0.2	0.2	0.3
15-44 y	76	63	62	58	63	71	58	54	61	56	3.2	2.6	2.4	2.5	2.7	3.2	2.4	2.3	2.6	2.4
45-54 y	139	124	100	118	95	117	98	104	98	105	18.2	16.1	12.7	14.6	11.7	14.3	11.9	13.0	12.0	13.0
55-64 y	198	218	176	215	184	178	180	175	167	157	32.4	34.3	27.2	32.5	27.2	26.0	26.1	25.0	23.7	21.7
65-74 y	249	210	197	209	197	195	191	218	217	194	49.0	41.7	39.3	42.0	39.5	38.5	36.8	41.3	40.2	35.0
75+ y	252	269	244	264	281	240	244	288	265	237	45.4	47.6	41.9	45.0	48.7	40.7	41.2	48.2	44.3	39.8

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 2012-2016

	5-year relative survival 2012-2016 (%)		
	Females		
	N at risk	**estimate**	**95% CI**
Overall	3,936	44.3	[42.2, 46.4]
Age group			
15-44 years	296	78.0	[72.0, 83.0]
45-69 years	1,888	52.9	[50.0, 55.8]
70+ years	1,752	27.9	[24.8, 31.1]
Region			
Brussels-Capital Region	307	51.5	[43.7, 59.2]
Flemish Region	2,350	45.2	[42.6, 47.9]
Walloon Region	1,279	40.8	[37.3, 44.5]

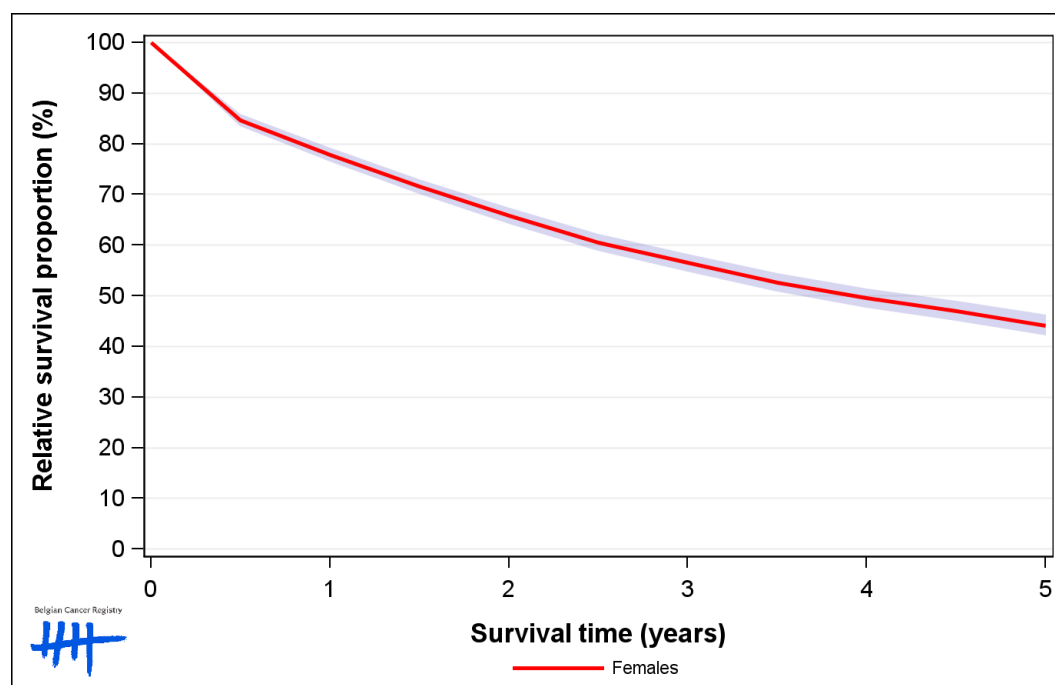**Figure 6:** Ovarian Cancer: relative survival proportion, Belgium 2012-2016

Figure 7: Ovarian Cancer: relative survival proportion by age group, Belgium 2012-2016
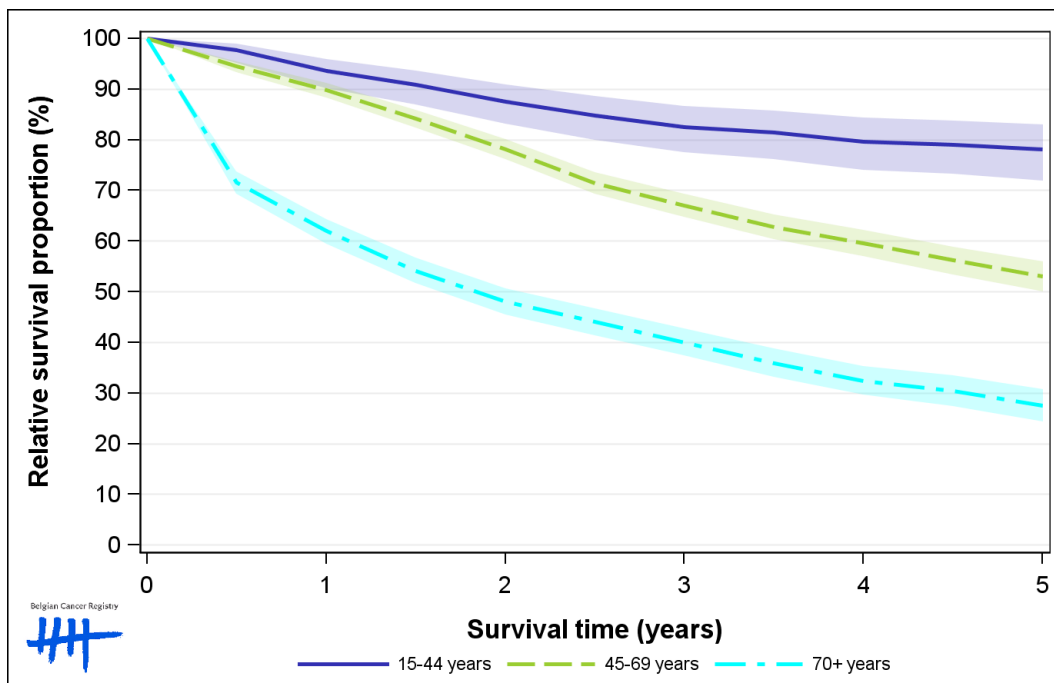

Figure 8: Ovarian Cancer: relative survival proportion by region, Belgium 2012-2016