



Belgian Cancer Registry



# Cancer Fact Sheet **Ovarian Cancer**

ICD10 : C56

**Belgium 2021**

# 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, 2021

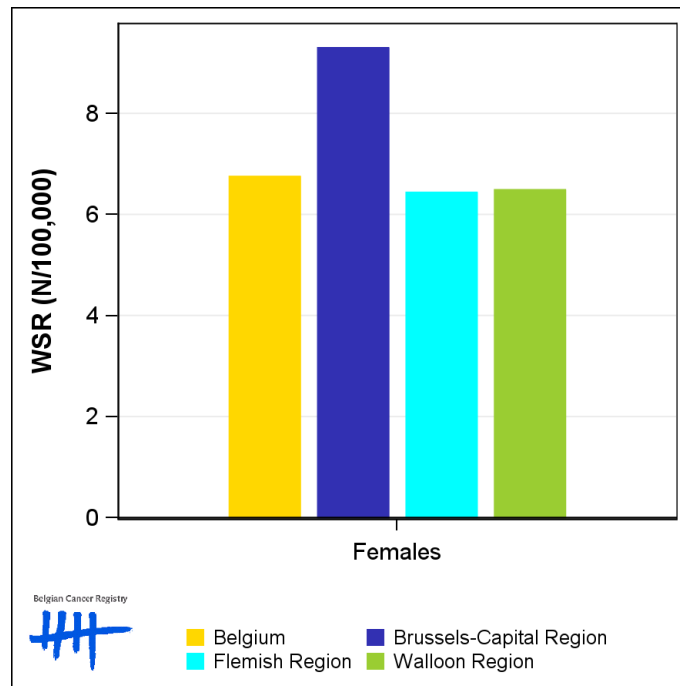
Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>66.5</b>	<b>798</b>	<b>13.7</b>	<b>9.4</b>	<b>6.8</b>	<b>0.76</b>
Brussels-Capital Region	61.1	87	14.0	12.6	9.3	1.09
Flemish Region	67.7	468	13.9	9.0	6.4	0.71
Walloon Region	66.0	243	13.0	9.1	6.5	0.76

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, 2021



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■ Belgium      ■ Brussels-Capital Region  
■ Flemish Region      ■ Walloon Region

## 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 2021

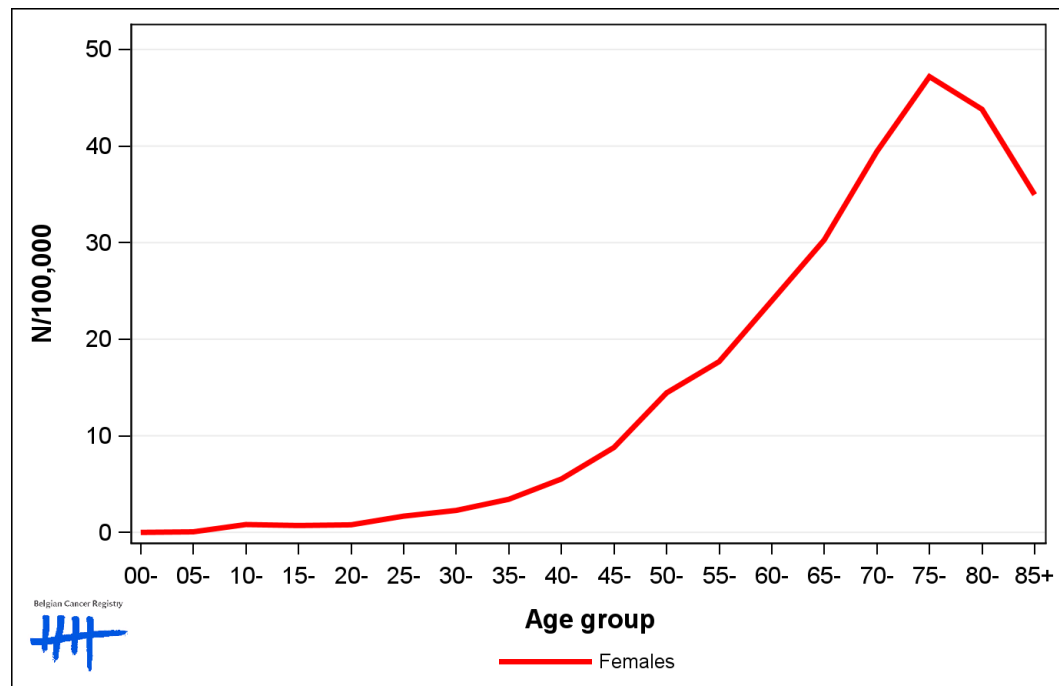
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Females	0.0	0.0	1.2	1.0	0.3	1.6	4.2	4.0	7.5	8.1	14.4	16.5	23.7	33.1	37.5	50.6	43.2	35.3	13.7	9.4	6.8

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, 2017-2021



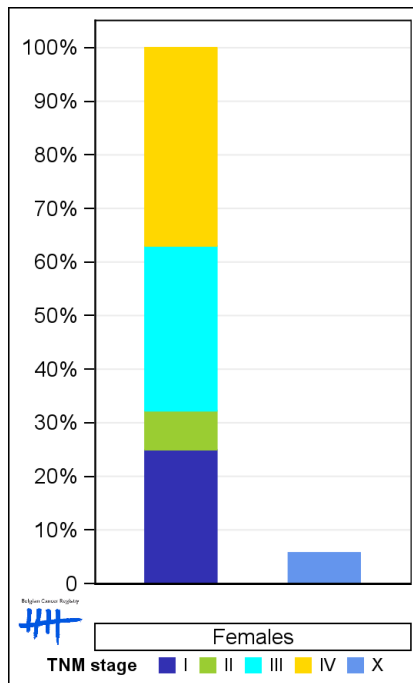
### 1.3. Combined stage

**Table 3:** Ovarian Cancer: Distribution of combined stage, Belgium 2021

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Females</b>							
N	185	54	228	274	45	12	798
%	23.2	6.8	28.6	34.3	5.6	1.5	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:** Ovarian Cancer: Bar chart of known combined stage, Belgium 2021



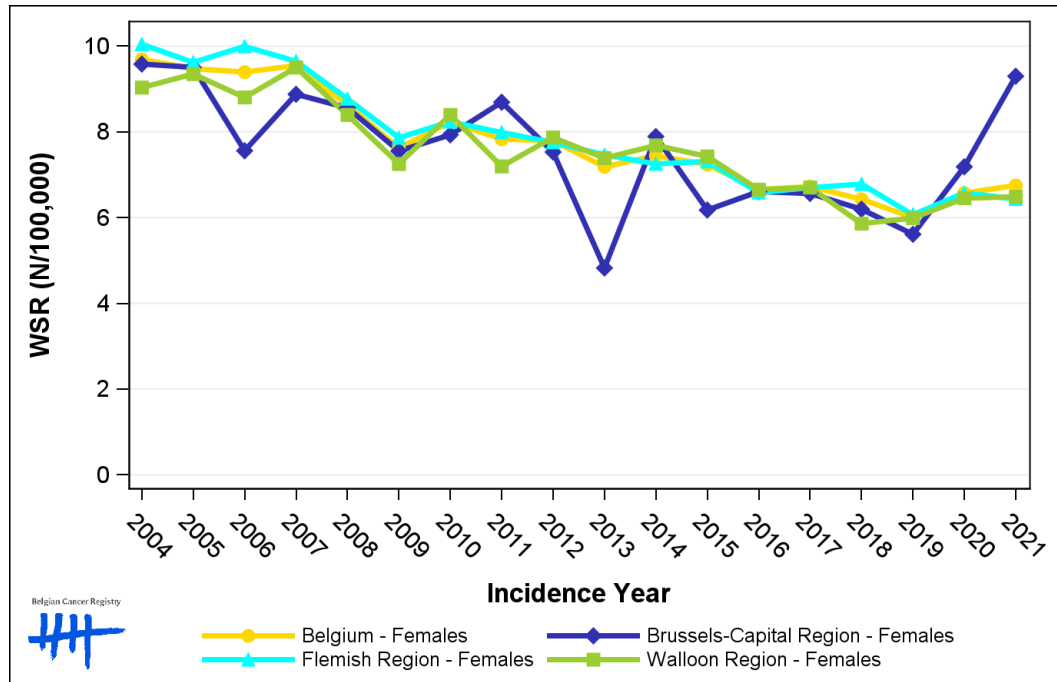
## 1.4. Trends in incidence

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

Females	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
<b>Belgium</b>	<b>9.5</b>	<b>8.6</b>	<b>7.6</b>	<b>8.2</b>	<b>7.8</b>	<b>7.8</b>	<b>7.2</b>	<b>7.4</b>	<b>7.2</b>	<b>6.7</b>	<b>6.7</b>	<b>6.4</b>	<b>6.0</b>	<b>6.6</b>	<b>6.8</b>	<b>-2.5</b>	<b>[-3.1; -1.8]</b>
Brussels-Capital Region	8.9	8.6	7.6	7.9	8.7	7.5	4.8	7.9	6.2	6.6	6.6	6.2	5.6	7.2	9.3	0.5	[-1.6; 2.6]
Flemish Region	9.6	8.8	7.9	8.2	8.0	7.8	7.5	7.3	7.3	6.6	6.7	6.8	6.1	6.6	6.4	-2.6	[-3.1; -2.1]
Walloon Region	9.5	8.4	7.3	8.4	7.2	7.9	7.4	7.7	7.4	6.7	6.7	5.9	6.0	6.5	6.5	-2.5	[-3.4; -1.7]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2007-2021 period

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



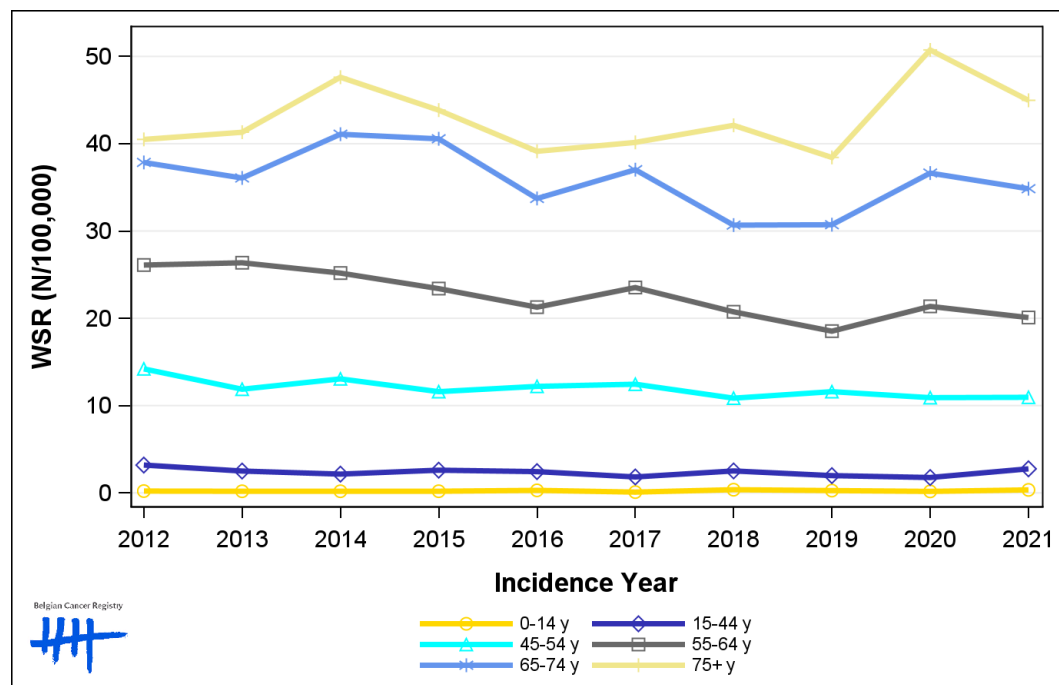
## 1.5. Incidence by broad age groups

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

	N											WSR									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
<b>Females</b>																					
All ages	799	774	836	803	734	771	741	709	811	798	7.8	7.2	7.4	7.2	6.7	6.7	6.4	6.0	6.6	6.8	
0-14 y	2	2	2	2	3	1	4	3	2	4	0.2	0.2	0.2	0.2	0.3	<0.1	0.4	0.3	0.2	0.4	
15-44 y	71	61	51	60	56	44	62	46	41	69	3.2	2.5	2.2	2.6	2.4	1.8	2.5	2.0	1.8	2.8	
45-54 y	116	98	105	95	99	100	88	94	86	86	14.2	11.9	13.1	11.6	12.2	12.5	10.9	11.6	10.9	11.0	
55-64 y	179	182	176	165	154	171	153	140	163	154	26.1	26.4	25.2	23.4	21.3	23.5	20.7	18.5	21.4	20.1	
65-74 y	192	187	217	219	187	215	182	189	227	219	37.9	36.1	41.1	40.6	33.7	37.0	30.7	30.7	36.6	34.8	
75+ y	239	244	285	262	235	240	252	237	292	266	40.5	41.3	47.6	43.8	39.1	40.2	42.1	38.4	50.7	45.0	

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



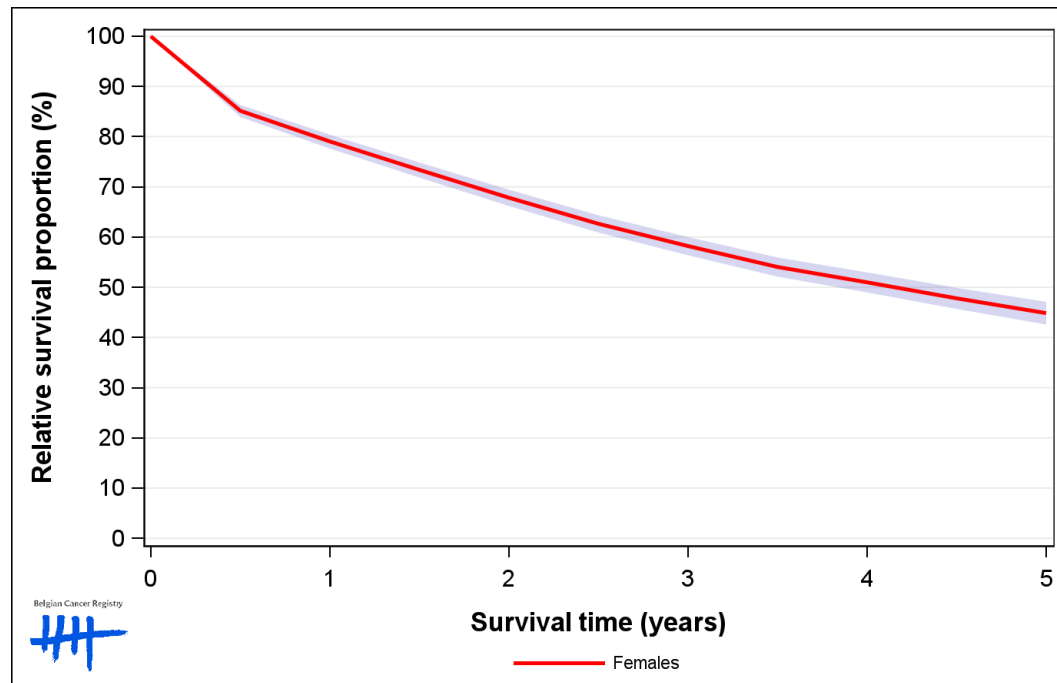
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## 2. Relative survival

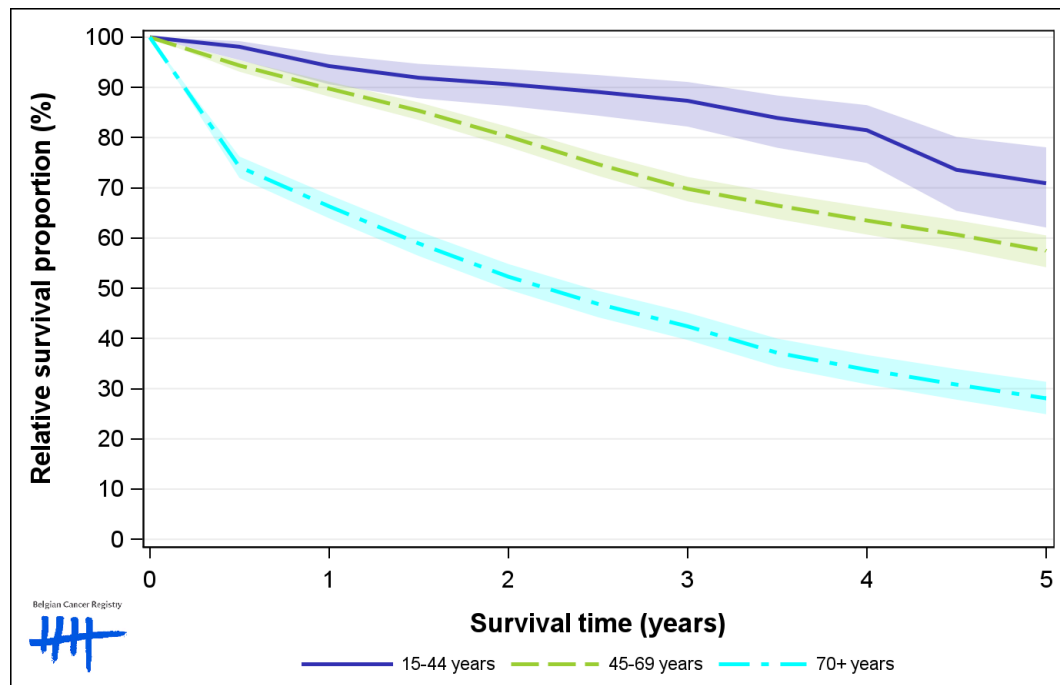
**Table 6:** Ovarian Cancer: 5-year relative survival proportion by age group and region, Belgium 2017-2021

	5-year relative survival 2017-2021 (%)		
	Females		
	N at risk	estimate	95% CI
<b>Overall</b>	3,800	44.7	[42.5, 47.0]
<b>Age group</b>			
15-44 years	260	70.0	[60.9, 77.4]
45-69 years	1,708	57.5	[54.3, 60.6]
70+ years	1,832	27.6	[24.5, 30.8]
<b>Region</b>			
Brussels-Capital Region	333	45.6	[37.8, 53.2]
Flemish Region	2,312	44.7	[41.8, 47.5]
Walloon Region	1,155	44.7	[40.6, 48.8]

**Figure 6:** Ovarian Cancer: relative survival proportion, Belgium 2017-2021



**Figure 7:** Ovarian Cancer: relative survival proportion by age group, Belgium 2017-2021



**Figure 8:** Ovarian Cancer: relative survival proportion by region, Belgium 2017-2021

