

Belgian Cancer Registry



# Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

**Belgium 2016**

# 1. Cancer Incidence

## 1.1. Number of new diagnoses and incidence rates

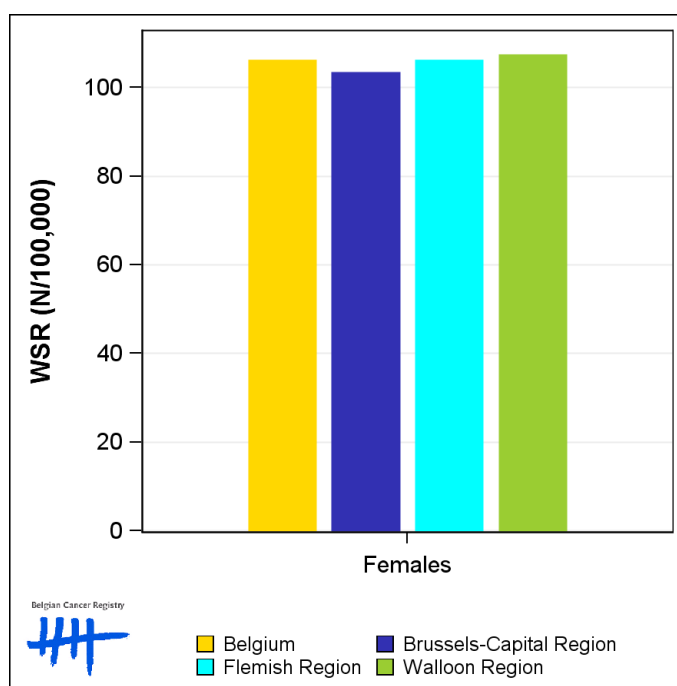
**Table 1:** Female Breast Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2016

Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>63.0</b>	<b>10,735</b>	<b>187.3</b>	<b>144.5</b>	<b>106.1</b>	<b>11.43</b>
Brussels-Capital Region	62.3	935	153.8	141.9	103.3	11.10
Flemish Region	62.9	6,291	192.0	144.0	106.0	11.32
Walloon Region	63.2	3,509	190.2	146.3	107.3	11.74

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:** Female Breast Cancer: Age-standardised incidence rates by region, 2016



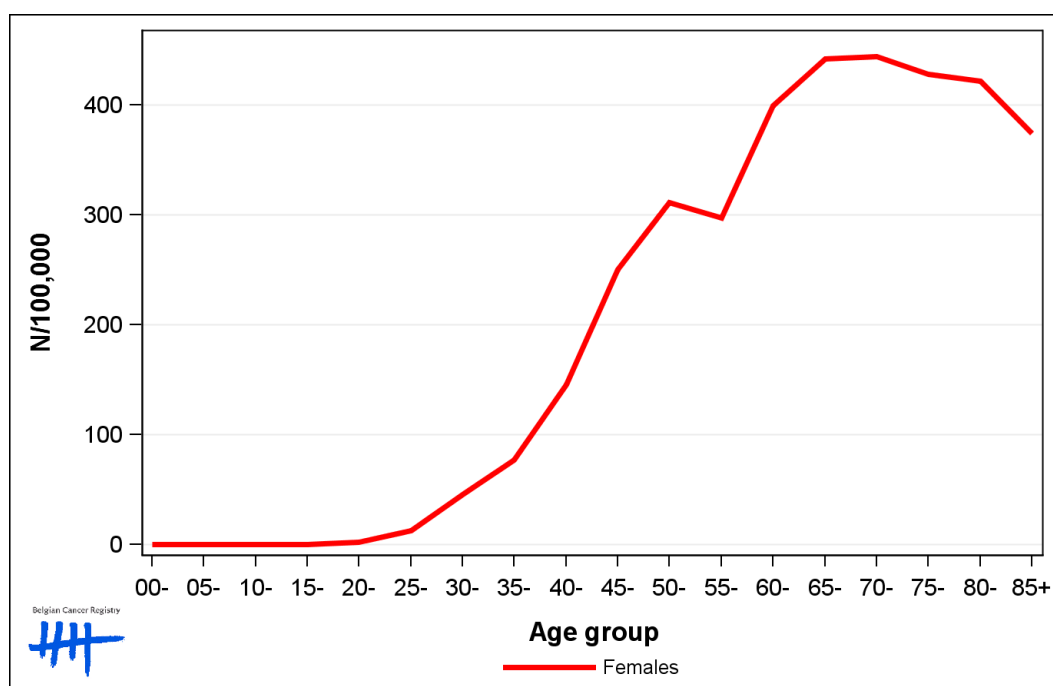
## 1.2. Age-specific incidence rates

**Table 2:** Female Breast 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	0.0	0.0	0.0	2.1	12.7	45.8	76.9	145.5	250.5	311.4	297.2	399.6	441.7	444.1	428.3	421.7	374.3	187.3	144.5	106.1

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:** Female Breast Cancer: Age-specific incidence rates, 2016



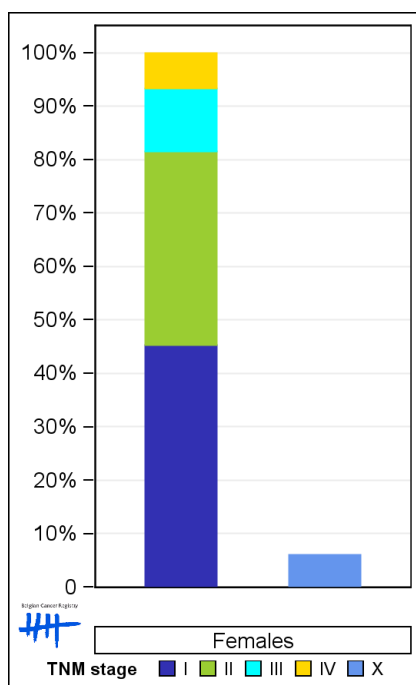
### 1.3. Combined stage

**Table 3:** Female Breast Cancer: Distribution of combined stage, Belgium 2016

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Females</b>							
N	4,560	3,646	1,183	668	644	34	10,735
%	42.5	34.0	11.0	6.2	6.0	0.3	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:** Female Breast Cancer: Bar chart of known combined stage, Belgium 2016



## 1.4. Trends in incidence

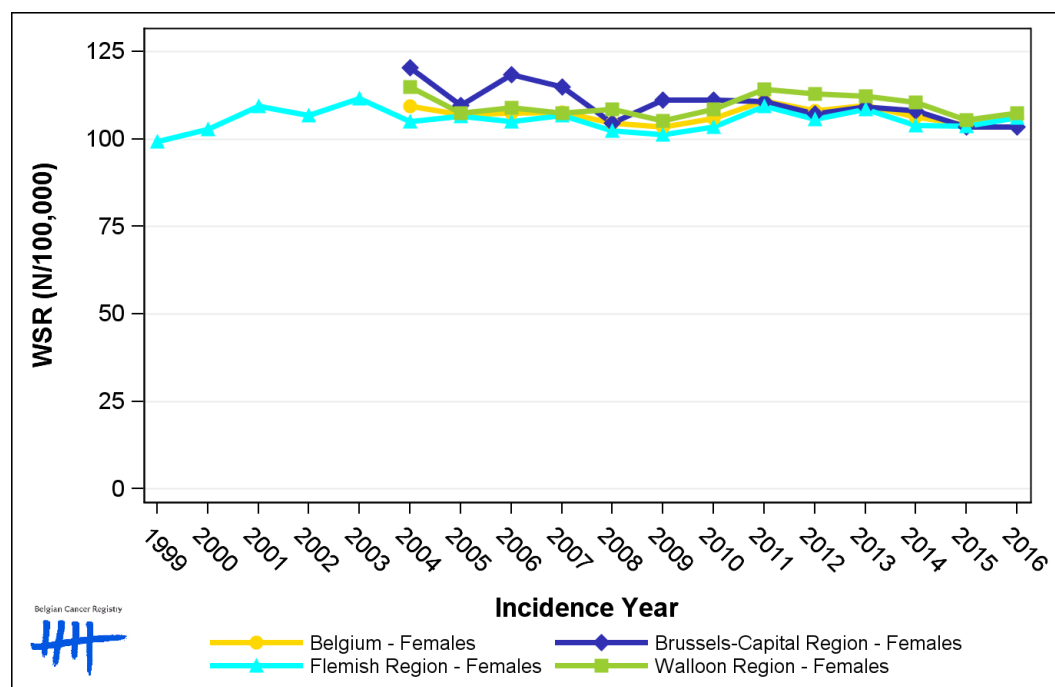
**Table 4:** Female Breast Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year and region

Females	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
<b>Belgium</b>			<b>109.4</b>	<b>106.9</b>	<b>107.4</b>	<b>107.6</b>	<b>104.4</b>	<b>103.3</b>	<b>105.8</b>	<b>110.9</b>	<b>108.1</b>	<b>109.7</b>	<b>106.2</b>	<b>104.2</b>	<b>106.1</b>	<b>-0.1</b>	<b>[-0.5; 0.2]</b>
Brussels-Capital Region			120.3	109.6	118.4	114.9	104.6	111.1	111.2	110.7	107.2	109.1	108.1	103.5	103.3	-0.9	[-1.4; -0.4]
Flemish Region	106.8	111.6	104.9	106.5	105.1	106.7	102.4	101.2	103.5	109.3	105.7	108.6	103.9	103.7	106.0	-0.1	[-0.5; 0.2]
Walloon Region			114.9	107.3	108.9	107.4	108.6	105.3	108.6	114.3	113.0	112.2	110.4	105.4	107.3	-0.2	[-0.7; 0.4]

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:** Female Breast Cancer: Age-standardised incidence rates (WSR) by incidence year and region



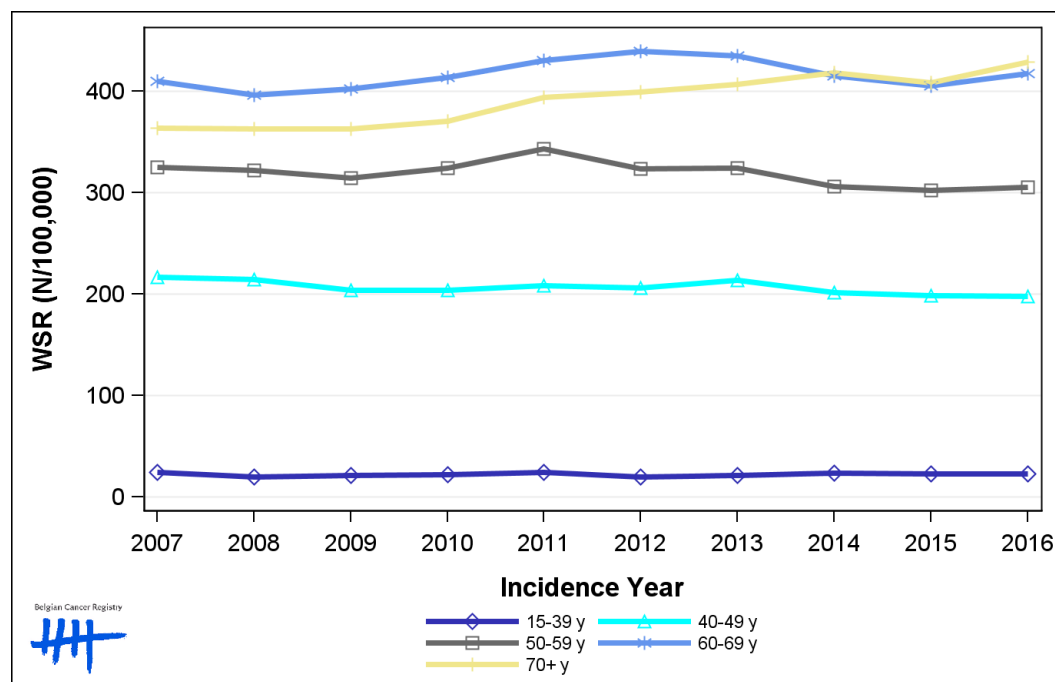
## 1.5. Incidence by broad age groups

**Table 5:** Female Breast 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
<b>Females</b>																				
All ages	9,662	9,558	9,573	9,881	10,519	10,526	10,686	10,450	10,389	10,735	107.6	104.4	103.3	105.8	110.9	108.1	109.7	106.2	104.2	106.1
0-14 y	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-39 y	525	437	458	487	524	428	463	498	492	501	24.4	20.2	21.1	22.5	24.6	20.3	21.8	23.4	22.9	23.1
40-49 y	1,722	1,708	1,630	1,631	1,670	1,648	1,701	1,583	1,533	1,513	216.9	214.2	204.1	204.2	208.4	206.4	214.1	201.8	198.4	198.0
50-59 y	2,287	2,292	2,261	2,374	2,549	2,444	2,481	2,373	2,374	2,402	325.3	322.2	314.9	324.5	343.4	323.4	324.6	305.8	302.1	305.1
60-69 y	2,165	2,150	2,227	2,331	2,498	2,642	2,706	2,626	2,623	2,759	410.0	396.2	402.6	413.4	430.7	439.5	434.9	415.3	405.4	417.6
70+ y	2,963	2,971	2,997	3,058	3,278	3,364	3,335	3,370	3,367	3,560	363.5	363.2	363.0	370.6	393.8	399.2	406.6	418.5	408.1	428.7

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

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

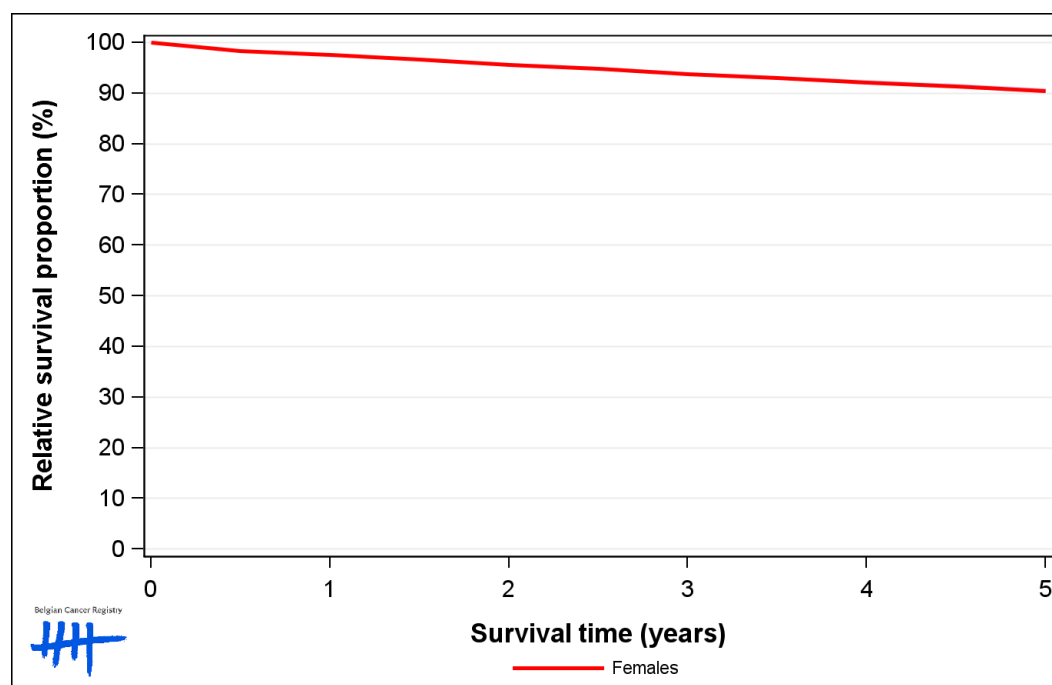


## 2. Relative survival

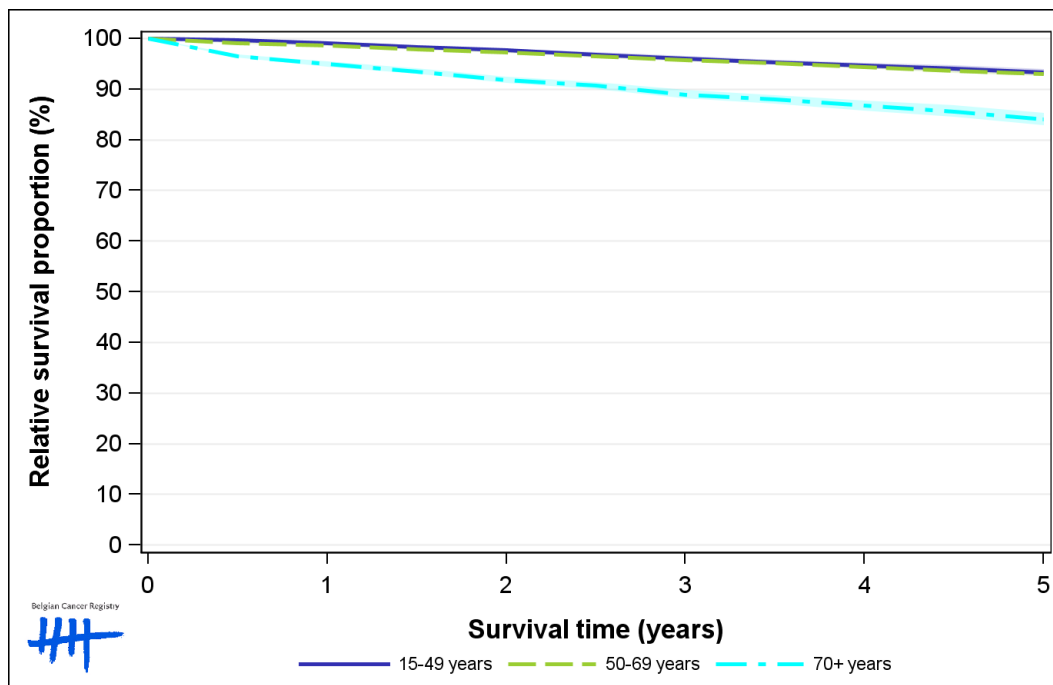
**Table 6:** Female Breast Cancer: 5-year relative survival proportion by age group and region, Belgium 2012-2016

5-year relative survival 2012-2016 (%)			
Females			
	N at risk	estimate	95% CI
<b>Overall</b>	52,618	90.4	[90.0, 90.9]
<b>Age group</b>			
15-49 years	10,301	93.3	[92.7, 93.9]
50-69 years	25,352	93.0	[92.5, 93.5]
70+ years	16,965	84.1	[82.9, 85.4]
<b>Region</b>			
Brussels-Capital Region	4,583	90.6	[89.0, 92.1]
Flemish Region	30,663	90.4	[89.8, 91.0]
Walloon Region	17,372	90.5	[89.7, 91.4]

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



**Figure 7:** Female Breast Cancer: relative survival proportion by age group, Belgium 2012-2016



**Figure 8:** Female Breast Cancer: relative survival proportion by region, Belgium 2012-2016

