



Belgian Cancer Registry



Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

**Belgium 2018**

# 1. Cancer Incidence

## 1.1. Number of new diagnoses and incidence rates

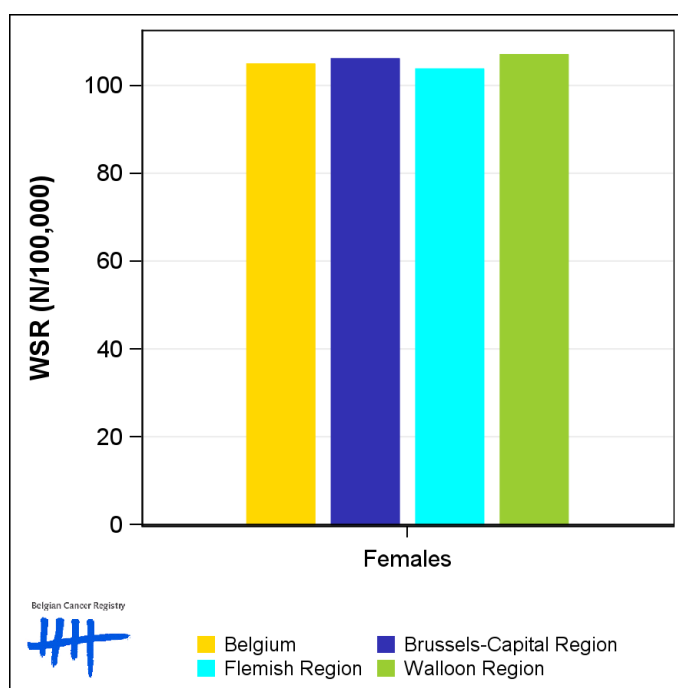
**Table 1:** Female Breast Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2018

Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>63.4</b>	<b>10,905</b>	<b>188.7</b>	<b>143.3</b>	<b>104.9</b>	<b>11.26</b>
Brussels-Capital Region	62.2	958	156.5	145.5	106.1	11.58
Flemish Region	63.5	6,345	191.6	141.4	103.7	10.99
Walloon Region	63.7	3,602	194.3	146.4	107.0	11.69

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, 2018



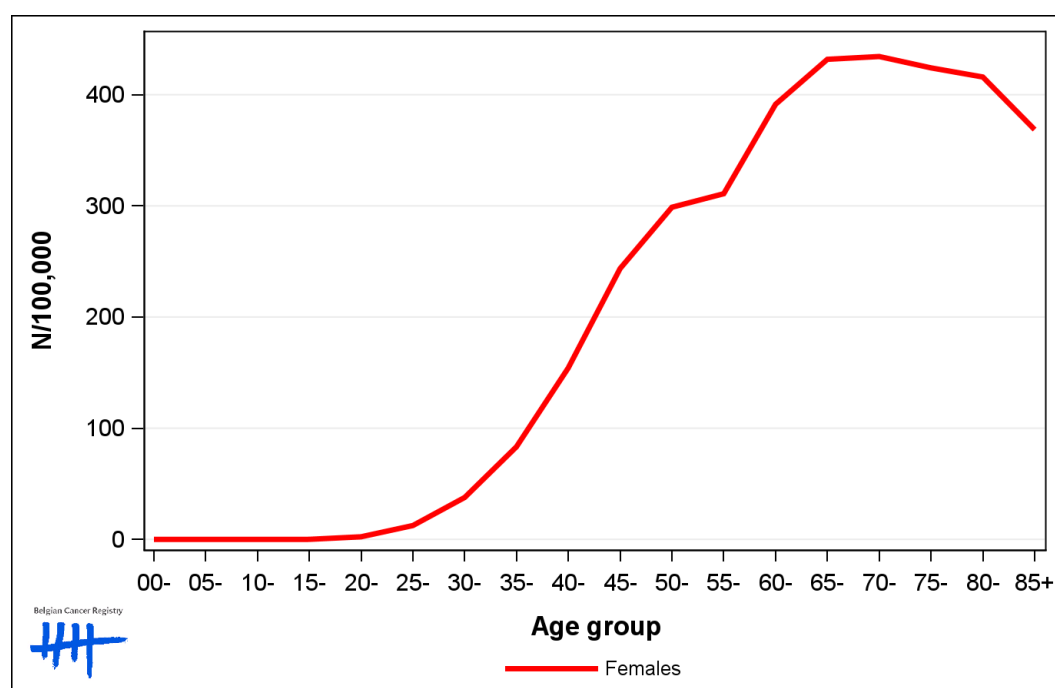
## 1.2. Age-specific incidence rates

**Table 2:** Female Breast Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2018

	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	1.5	13.2	36.9	84.8	152.1	233.7	297.6	311.7	383.6	434.9	438.3	457.3	446.6	384.6	188.7	143.3	104.9

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:** Female Breast Cancer: Age-specific incidence rates, 2014-2018



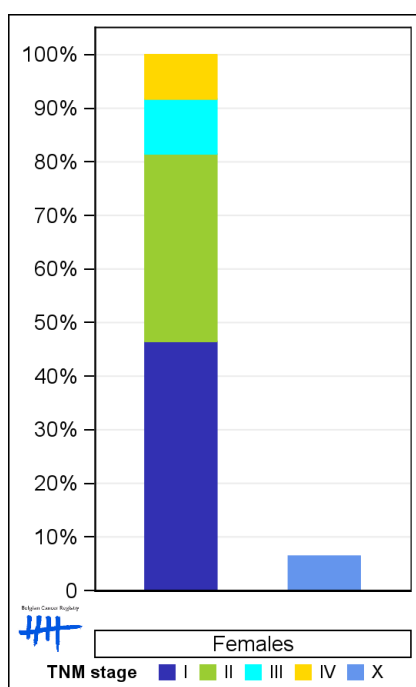
### 1.3. Combined stage

**Table 3:** Female Breast Cancer: Distribution of combined stage, Belgium 2018

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Females</b>							
N	4,729	3,561	1,044	839	697	35	10,905
%	43.4	32.7	9.6	7.7	6.4	0.3	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:** Female Breast Cancer: Bar chart of known combined stage, Belgium 2018



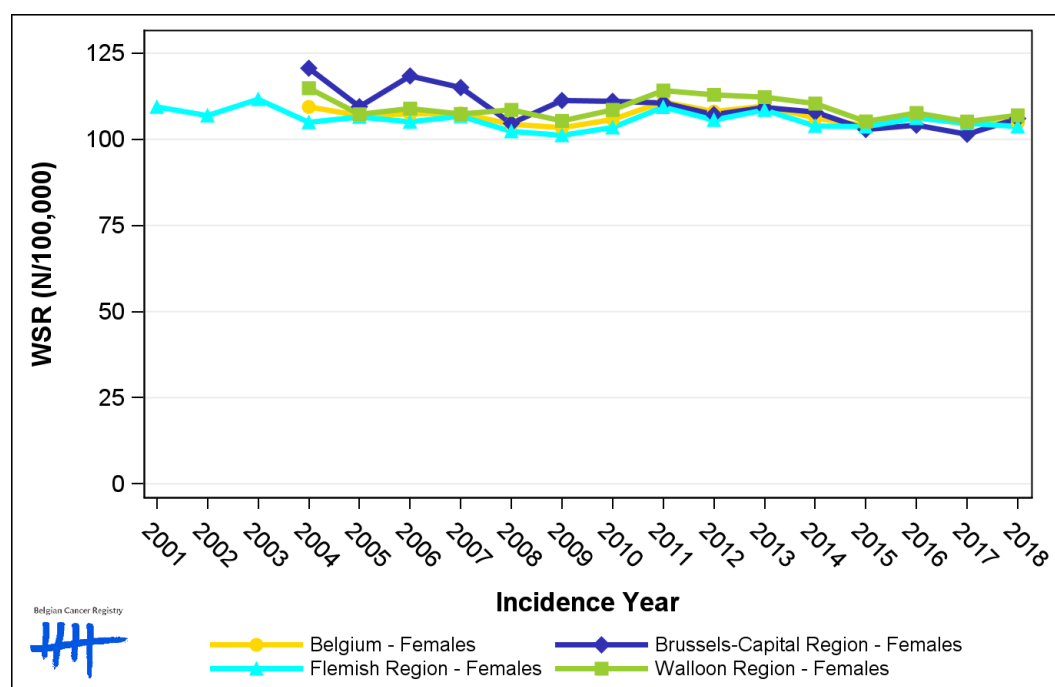
## 1.4. Trends in incidence

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

Females	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
<b>Belgium</b>	<b>109.4</b>	<b>106.9</b>	<b>107.4</b>	<b>107.5</b>	<b>104.4</b>	<b>103.4</b>	<b>105.8</b>	<b>110.9</b>	<b>108.1</b>	<b>109.7</b>	<b>106.2</b>	<b>104.0</b>	<b>106.4</b>	<b>104.4</b>	<b>104.9</b>	<b>-0.2</b>	<b>[-0.5; 0.1]</b>
Brussels-Capital Region	120.7	109.5	118.4	115.0	104.6	111.3	111.0	110.6	107.2	109.3	107.9	102.9	104.1	101.5	106.1	-0.9	[-1.3; -0.5]
Flemish Region	104.9	106.5	105.1	106.7	102.3	101.2	103.4	109.4	105.6	108.5	103.9	103.7	106.2	104.7	103.7	-0.1	[-0.3; 0.3]
Walloon Region	114.9	107.3	108.9	107.4	108.6	105.4	108.6	114.2	112.9	112.3	110.4	105.2	107.7	105.2	107.0	-0.3	[-0.6; 0.1]

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



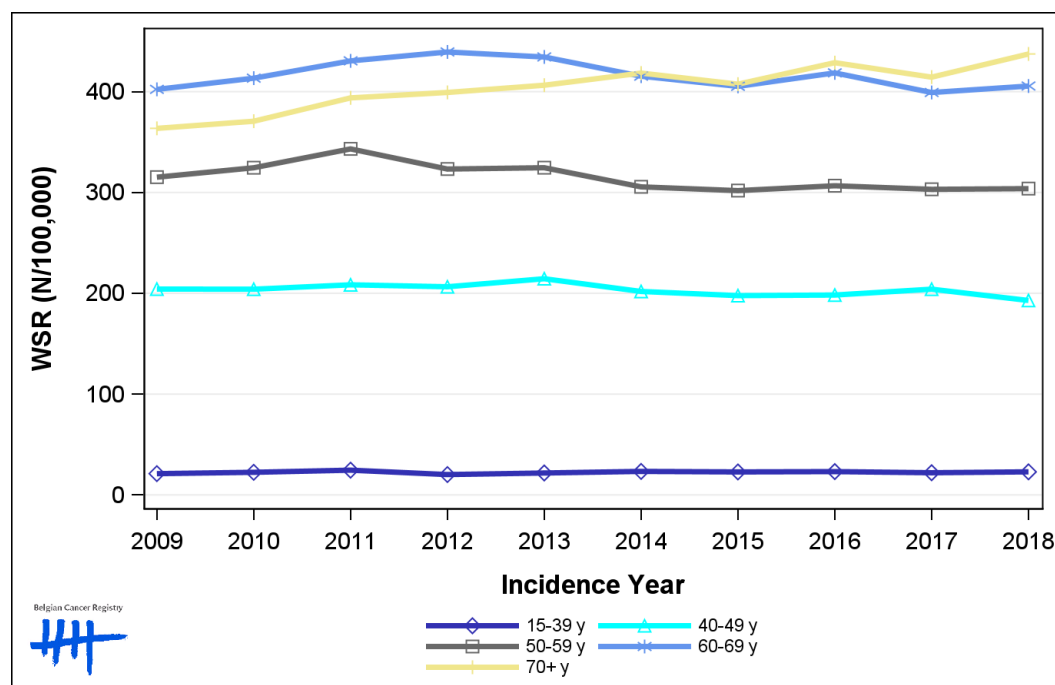
## 1.5. Incidence by broad age groups

**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									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Females</b>																				
All	9,579	9,880	10,518	10,524	10,684	10,449	10,376	10,759	10,631	10,905	103.4	105.8	110.9	108.1	109.7	106.2	104.0	106.4	104.4	104.9
0-14	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	458	486	524	427	463	498	491	503	479	505	21.1	22.5	24.6	20.2	21.8	23.4	22.8	23.2	22.0	22.9
40-49	1,631	1,630	1,670	1,649	1,704	1,583	1,528	1,515	1,543	1,454	204.2	204.1	208.4	206.5	214.5	201.8	197.7	198.3	204.1	192.9
50-59	2,263	2,374	2,548	2,443	2,481	2,371	2,372	2,414	2,403	2,413	315.2	324.5	343.2	323.3	324.6	305.6	301.9	306.7	303.1	303.8
60-69	2,225	2,331	2,497	2,641	2,703	2,626	2,622	2,766	2,660	2,731	402.3	413.4	430.5	439.4	434.4	415.4	405.3	418.6	399.2	405.6
70+ y	3,002	3,059	3,279	3,364	3,333	3,371	3,363	3,561	3,546	3,802	363.6	370.7	393.9	399.2	406.4	418.4	407.4	428.8	414.4	437.4

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

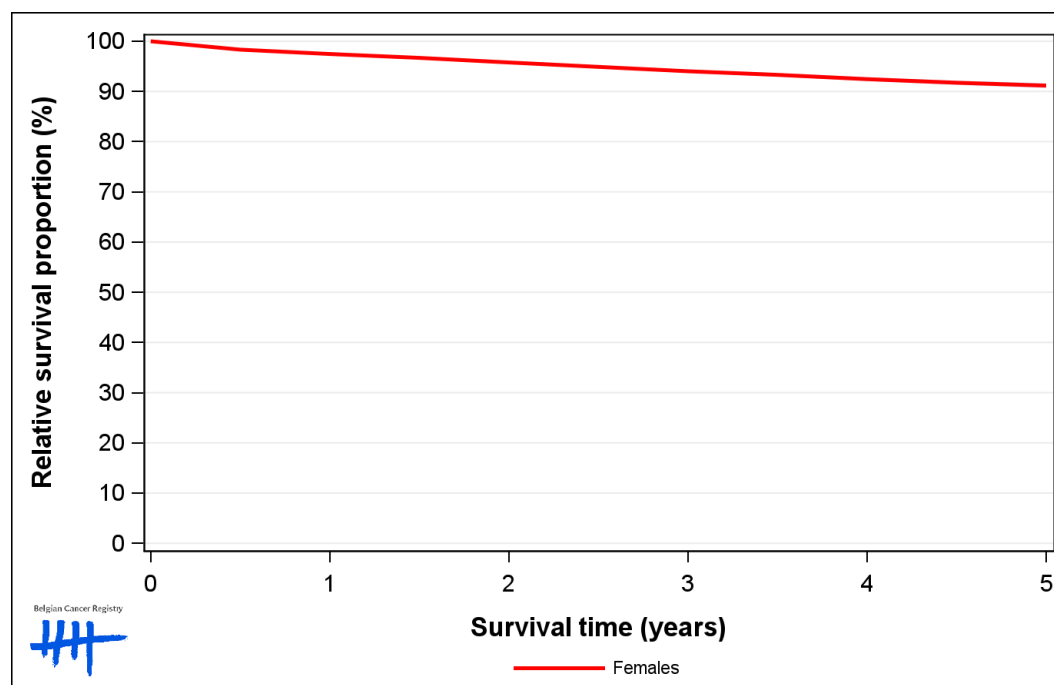


## 2. Relative survival

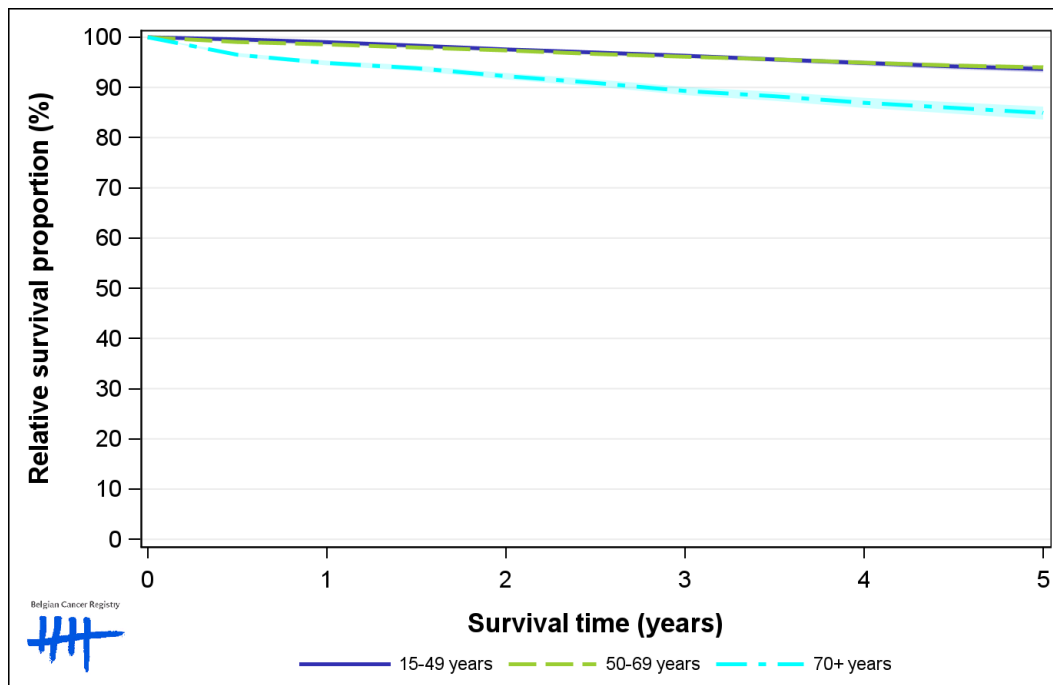
**Table 6:** Female Breast Cancer: 5-year relative survival proportion by age group and region, Belgium 2014-2018

	5-year relative survival 2014-2018 (%)		
	Females		
	N at risk	estimate	95% CI
<b>Overall</b>	52,952	91.1	[90.7, 91.7]
<b>Age group</b>			
15-49 years	10,042	93.6	[93.0, 94.3]
50-69 years	25,301	93.9	[93.5, 94.4]
70+ years	17,609	84.9	[83.7, 86.2]
<b>Region</b>			
Brussels-Capital Region	4,578	92.1	[90.5, 93.7]
Flemish Region	31,020	91.0	[90.4, 91.6]
Walloon Region	17,354	91.2	[90.4, 92.0]

**Figure 6:** Female Breast Cancer: relative survival proportion, Belgium 2014-2018



**Figure 7:** Female Breast Cancer: relative survival proportion by age group, Belgium 2014-2018



**Figure 8:** Female Breast Cancer: relative survival proportion by region, Belgium 2014-2018

