

Belgian Cancer Registry



Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

Belgium 2020

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

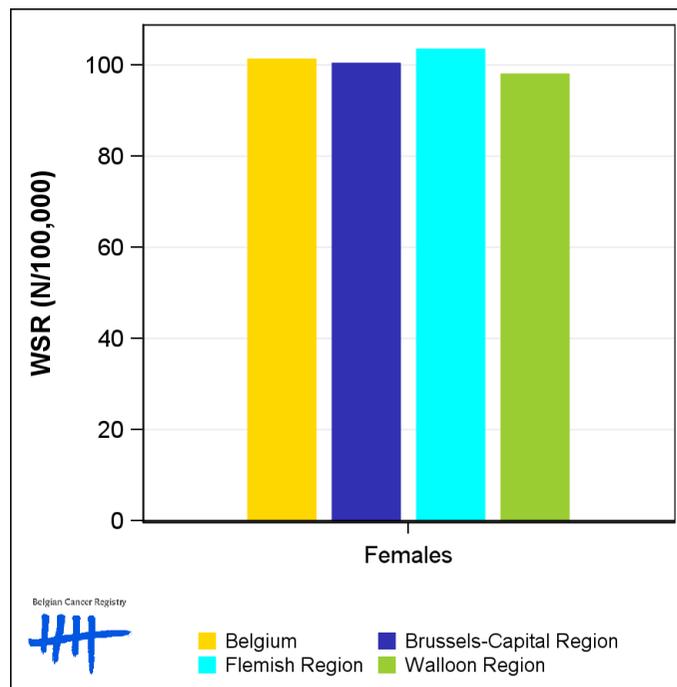
Table 1: Female Breast Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2020

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	63.0	10,493	179.9	137.4	101.3	10.81
Brussels-Capital Region	61.6	919	148.1	137.3	100.3	10.97
Flemish Region	63.2	6,308	188.4	140.1	103.4	10.90
Walloon Region	63.1	3,266	175.3	133.1	98.0	10.65

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 (%)



Figure 1: Female Breast Cancer: Age-standardised incidence rates by region, 2020



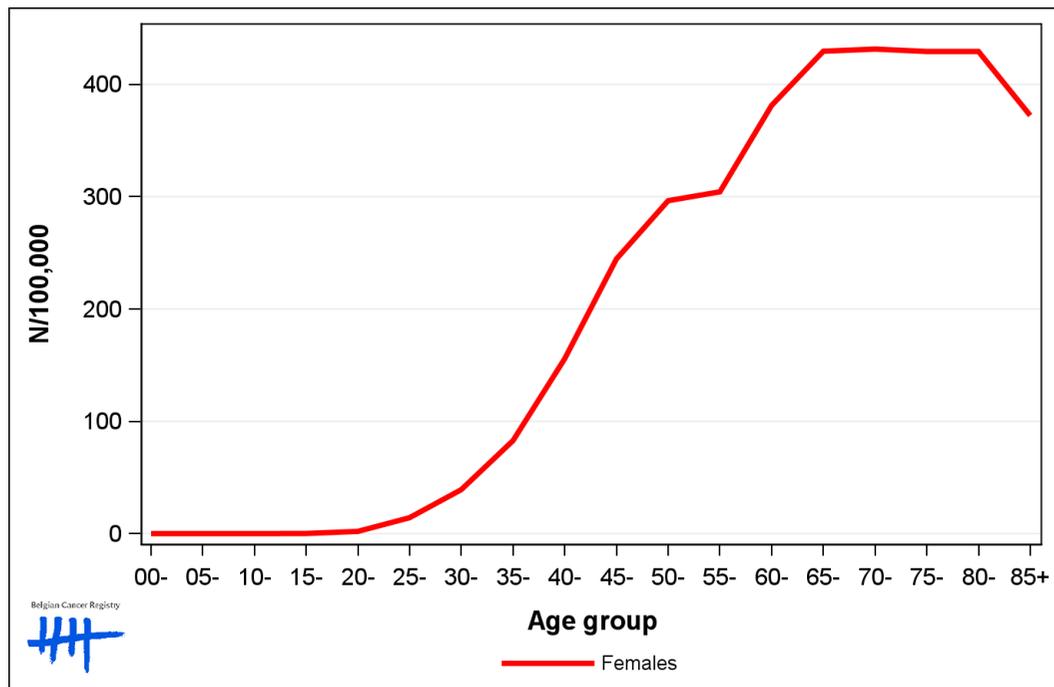
1.2. Age-specific incidence rates

Table 2: Female Breast Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 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	0.0	0.3	2.1	17.1	42.2	80.6	159.0	239.6	276.7	301.6	362.5	398.5	408.5	415.8	390.0	356.0	179.9	137.4	101.3

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: Female Breast Cancer: Age-specific incidence rates, 2016-2020



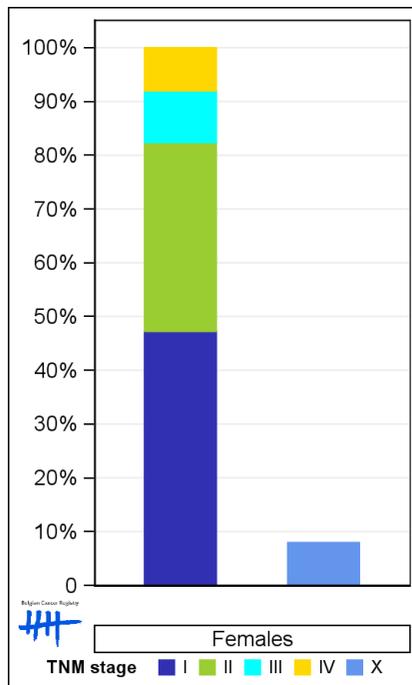
1.3. Combined stage

Table 3: Female Breast Cancer: Distribution of combined stage, Belgium 2020

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Females							
N	4,557	3,381	932	770	833	20	10,493
%	43.4	32.2	8.9	7.3	7.9	0.2	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 2020



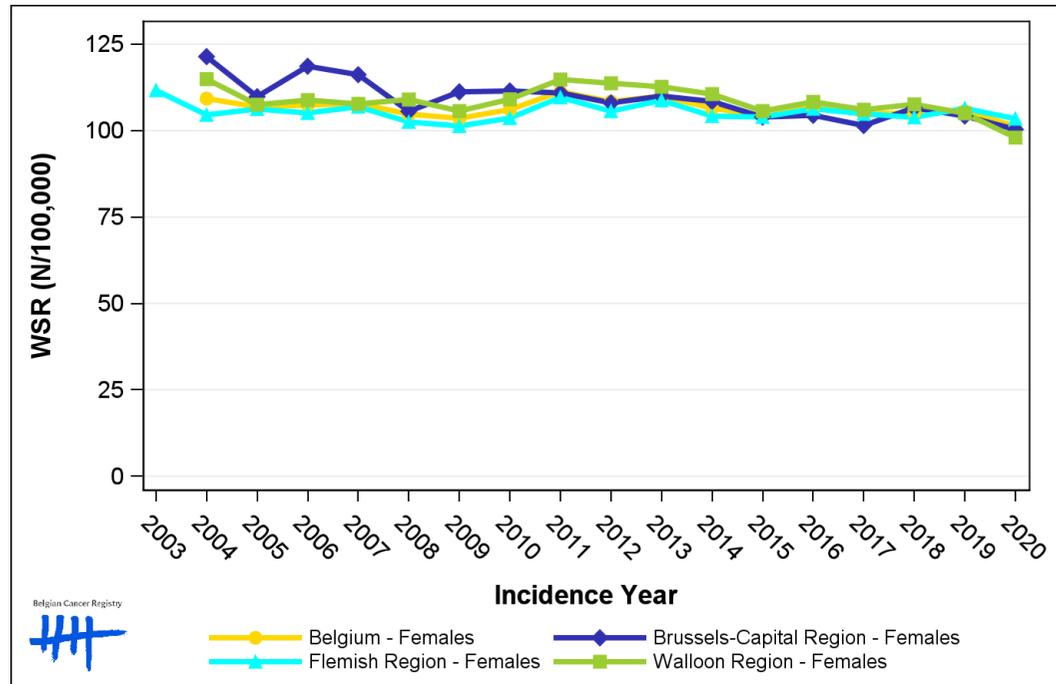
1.4. Trends in incidence

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

Females	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	AAPC	95% CI
Belgium	107.4	107.9	104.8	103.6	106.1	111.3	108.4	110.0	106.5	104.4	106.7	104.8	105.2	105.7	101.3	-0.2	[-0.5; 0.0]
Brussels-Capital Region	118.6	116.2	105.6	111.2	111.5	110.9	108.0	110.0	108.4	103.9	104.4	101.5	106.6	104.2	100.3	-0.9	[-1.2; -0.5]
Flemish Region	105.1	106.9	102.5	101.3	103.6	109.6	105.6	108.8	104.2	103.9	106.3	104.8	103.8	106.4	103.4	0.1	[-0.3; 0.3]
Walloon Region	108.8	107.7	109.0	105.7	109.1	114.8	113.7	112.7	110.6	105.7	108.3	106.1	107.6	105.0	98.0	-0.3	[-0.6; -0.0]

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



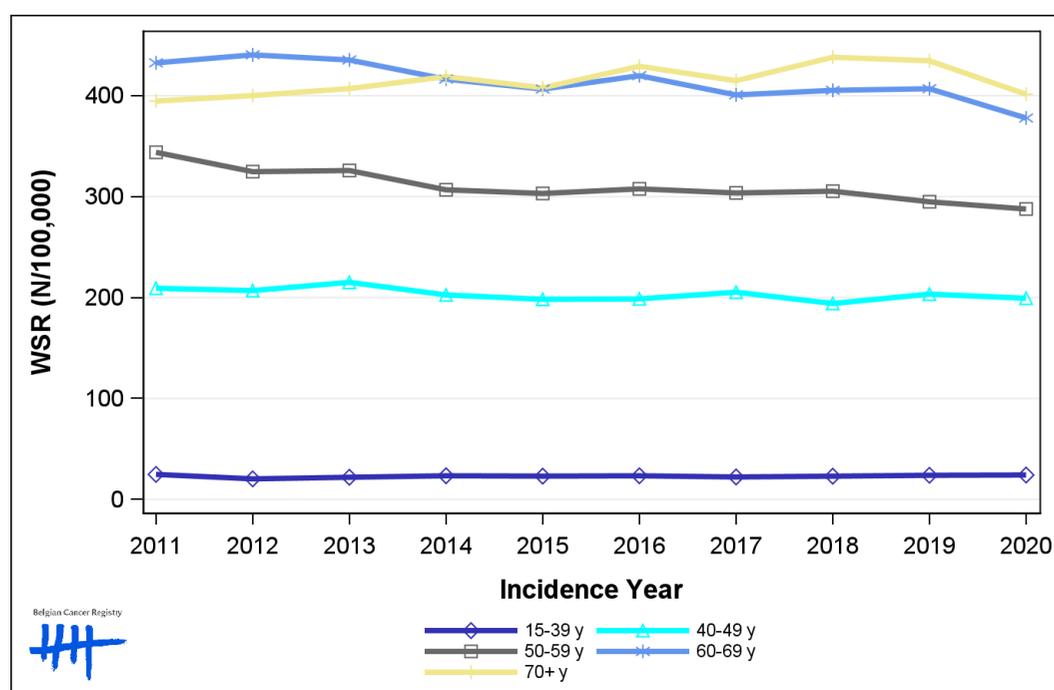
1.5. Incidence by broad age groups

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									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Females																				
All ages	10,550	10,553	10,712	10,476	10,407	10,784	10,662	10,930	11,000	10,493	111.3	108.4	110.0	106.5	104.4	106.7	104.8	105.2	105.7	101.3
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	527	429	465	498	495	507	483	506	526	530	24.7	20.3	21.9	23.4	23.0	23.3	22.2	23.0	23.9	24.1
40-49 y	1,676	1,652	1,709	1,589	1,532	1,518	1,552	1,463	1,529	1,491	209.2	206.9	215.1	202.6	198.2	198.7	205.3	194.1	203.4	199.3
50-59 y	2,553	2,454	2,491	2,380	2,382	2,422	2,407	2,425	2,340	2,283	343.9	324.7	325.9	306.8	303.1	307.7	303.7	305.4	294.9	287.7
60-69 y	2,509	2,648	2,709	2,633	2,631	2,774	2,671	2,730	2,773	2,610	432.6	440.5	435.5	416.4	406.6	419.9	400.8	405.4	407.0	377.9
70+ y	3,285	3,370	3,338	3,376	3,367	3,563	3,549	3,806	3,832	3,579	394.7	400.2	407.1	419.0	407.9	429.2	414.9	438.2	434.7	401.5

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



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Legend:
 15-39 y (dark blue diamond)
 40-49 y (cyan triangle)
 50-59 y (grey square)
 60-69 y (light blue asterisk)
 70+ y (yellow plus)

2. Relative survival

Table 6: Female Breast 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	53,721	92.4	[92.0, 92.9]
Age group			
15-49 years	10,063	94.7	[94.1, 95.3]
50-69 years	25,363	94.3	[93.8, 94.8]
70+ years	18,295	88.1	[86.8, 89.4]
Region			
Brussels-Capital Region	4,632	93.3	[91.7, 94.9]
Flemish Region	31,698	92.3	[91.7, 92.9]
Walloon Region	17,391	92.5	[91.6, 93.3]

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

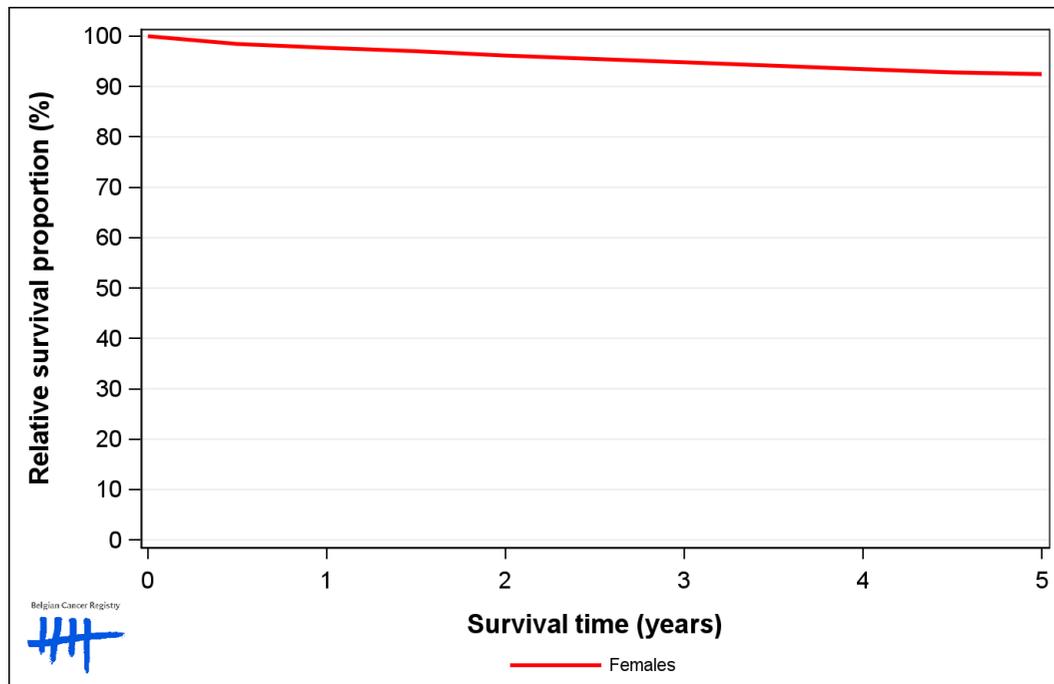


Figure 7: Female Breast Cancer: relative survival proportion by age group, Belgium 2016-2020

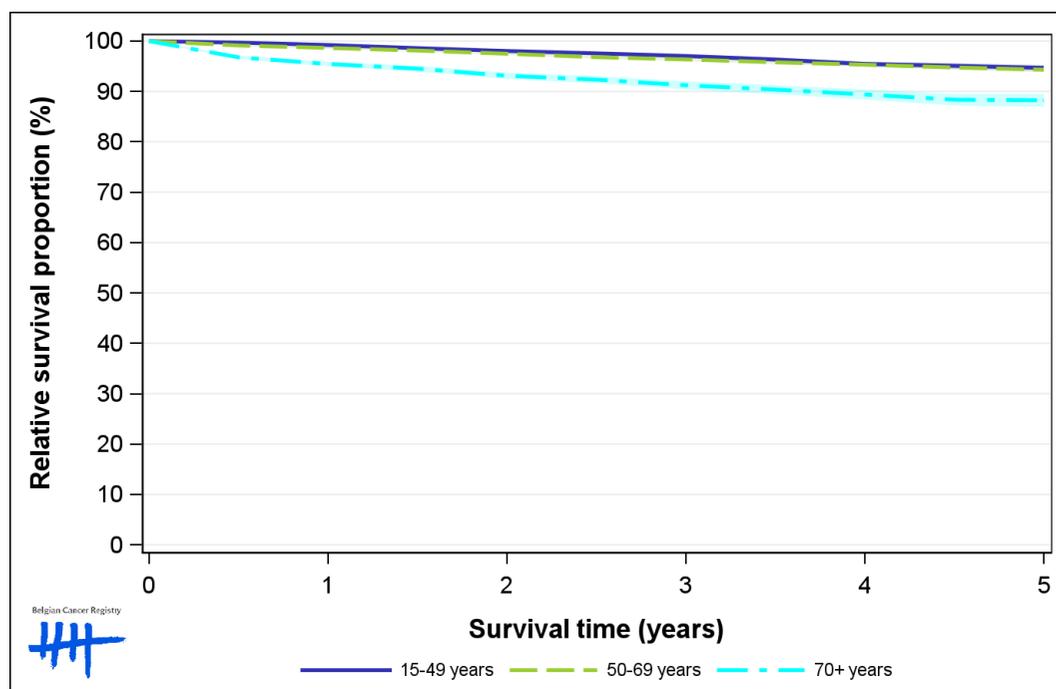


Figure 8: Female Breast Cancer: relative survival proportion by region, Belgium 2016-2020

