



Belgian Cancer Registry



Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

Belgium 2019

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, 2019

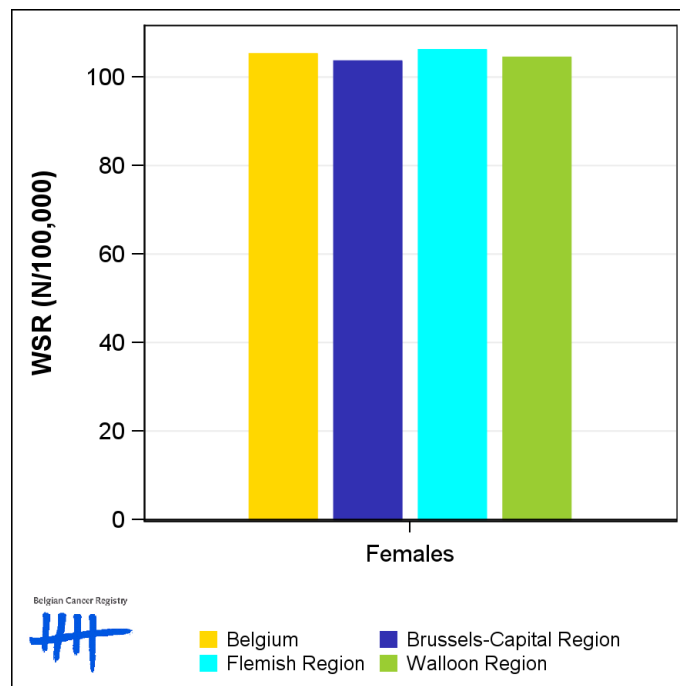
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	63.4	10,962	188.9	143.3	105.3	11.27
Brussels-Capital Region	62.3	953	154.7	142.0	103.6	11.20
Flemish Region	63.4	6,479	194.6	144.3	106.2	11.27
Walloon Region	63.7	3,530	190.0	142.5	104.5	11.30

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: Female Breast Cancer: Age-standardised incidence rates by region, 2019



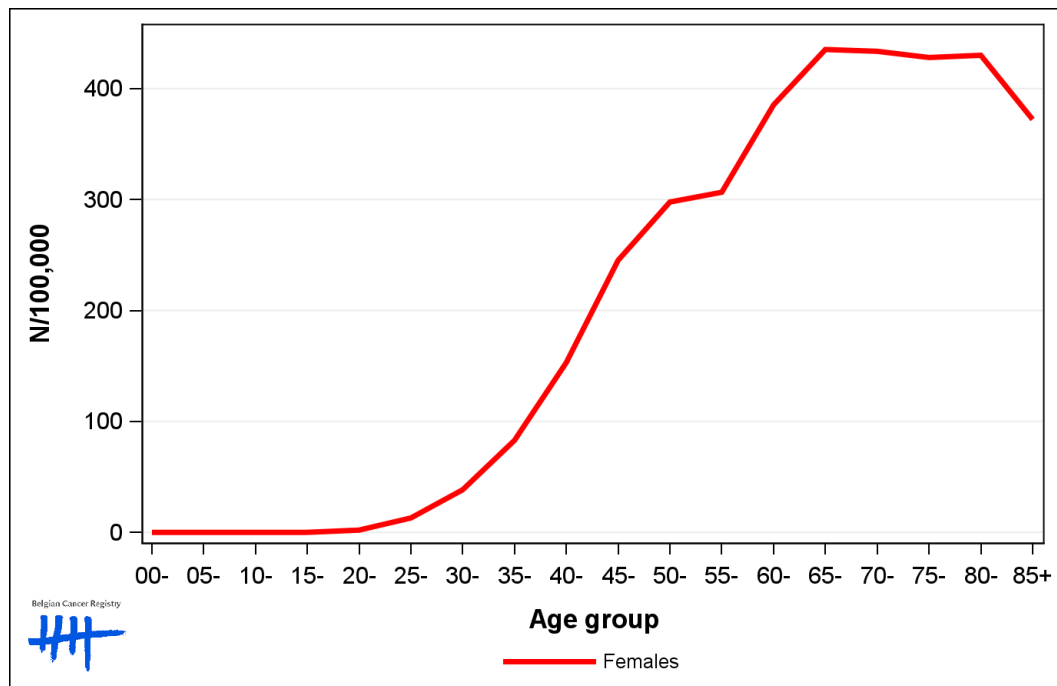
1.2. Age-specific incidence rates

Table 2: Female Breast Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2019

	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	1.2	15.4	37.3	86.9	150.7	254.6	288.1	300.3	379.4	441.7	435.4	450.4	451.0	371.4	188.9	143.3	105.3

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, 2015-2019



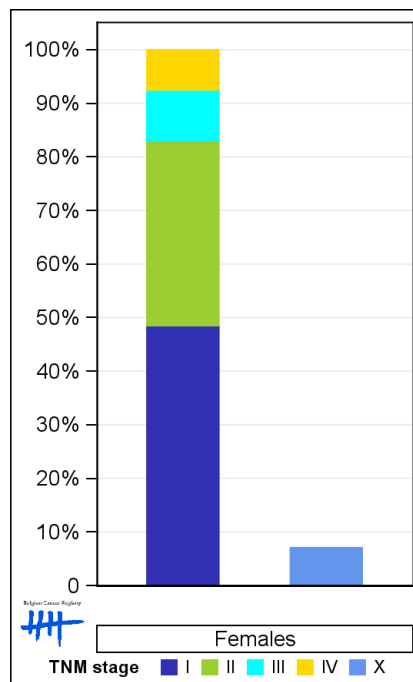
1.3. Combined stage

Table 3: Female Breast Cancer: Distribution of combined stage, Belgium 2019

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Females							
N	4,922	3,510	958	760	771	41	10,962
%	44.9	32.0	8.7	6.9	7.0	0.4	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 2019



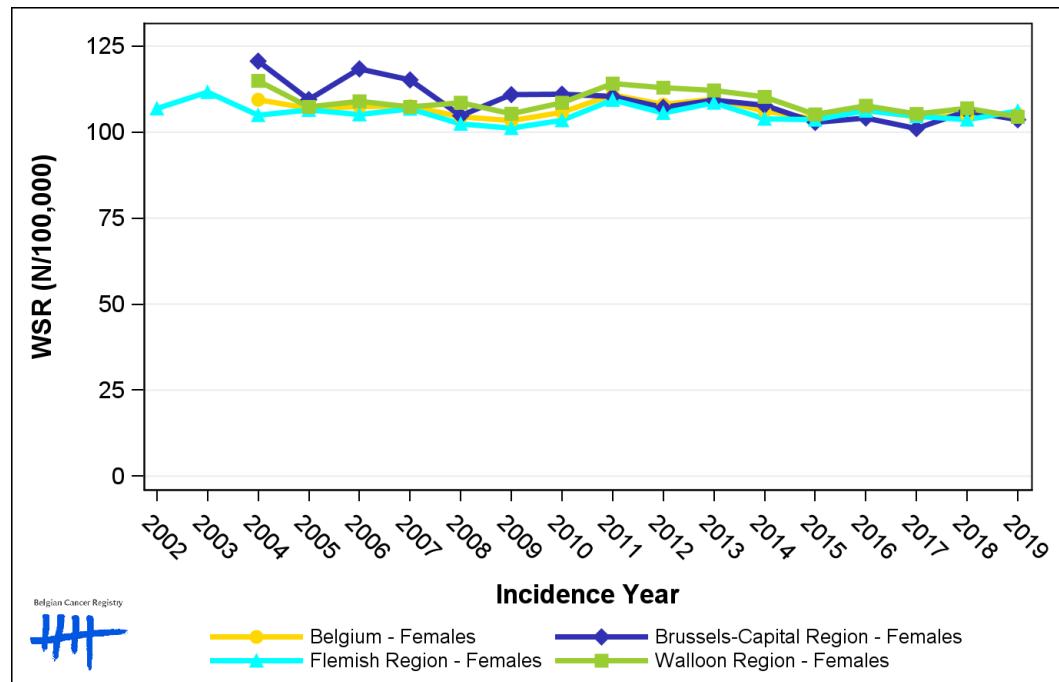
1.4. Trends in incidence

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

Females	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	106.9	107.4	107.6	104.5	103.4	105.8	110.9	108.1	109.6	106.1	104.0	106.5	104.4	104.8	105.3	-0.1	[-0.6; 0.3]
Brussels-Capital Region	109.5	118.4	115.2	104.8	110.9	111.0	110.4	107.2	109.3	107.8	102.8	104.1	101.1	106.2	103.6	-0.7	[-1.1; -0.3]
Flemish Region	106.5	105.1	106.8	102.4	101.2	103.4	109.4	105.6	108.5	103.9	103.6	106.2	104.7	103.6	106.2	0.1	[-0.3; 0.3]
Walloon Region	107.4	109.0	107.3	108.6	105.4	108.6	114.1	112.9	112.1	110.3	105.2	107.7	105.3	106.9	104.5	-0.2	[-0.4; 0.1]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2005-2019 period

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



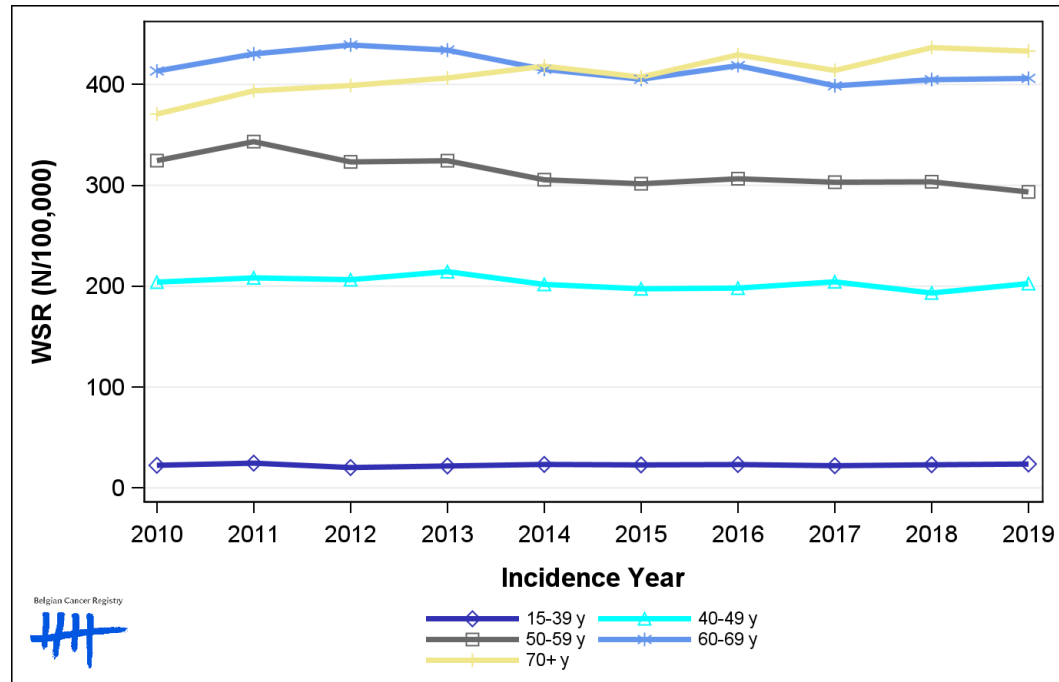
1.5. Incidence by broad age groups

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									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Females																				
All ages	9,880	10,516	10,522	10,682	10,445	10,371	10,762	10,628	10,896	10,962	105.8	110.9	108.1	109.6	106.1	104.0	106.5	104.4	104.8	105.3
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	486	524	427	463	497	491	504	480	506	523	22.5	24.6	20.2	21.8	23.3	22.8	23.2	22.0	23.0	23.7
40-49 y	1,630	1,669	1,649	1,704	1,583	1,526	1,514	1,545	1,457	1,523	204.1	208.3	206.5	214.5	201.8	197.5	198.2	204.4	193.3	202.6
50-59 y	2,374	2,549	2,443	2,480	2,371	2,370	2,413	2,403	2,411	2,329	324.5	343.4	323.3	324.4	305.6	301.6	306.6	303.1	303.6	293.5
60-69 y	2,331	2,496	2,640	2,701	2,624	2,622	2,767	2,657	2,726	2,767	413.4	430.3	439.2	434.1	415.0	405.2	418.8	398.7	404.8	406.1
70+ y	3,059	3,278	3,363	3,334	3,370	3,362	3,564	3,543	3,796	3,820	370.7	393.7	399.0	406.5	418.2	407.4	429.4	414.0	436.6	433.1

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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15-39 y 40-49 y
50-59 y 60-69 y
70+ y

2. Relative survival

Table 6: Female Breast Cancer: 5-year relative survival proportion by age group and region, Belgium 2015-2019

	5-year relative survival 2015-2019 (%)		
	Females		
	N at risk	estimate	95% CI
Overall	53,456	91.9	[91.4, 92.4]
Age group			
15-49 years	10,016	94.3	[93.6, 94.9]
50-69 years	25,392	94.1	[93.7, 94.6]
70+ years	18,049	86.8	[85.5, 88.1]
Region			
Brussels-Capital Region	4,578	92.5	[90.8, 94.0]
Flemish Region	31,471	91.9	[91.2, 92.5]
Walloon Region	17,407	91.9	[91.0, 92.7]

Figure 6: Female Breast Cancer: relative survival proportion, Belgium 2015-2019

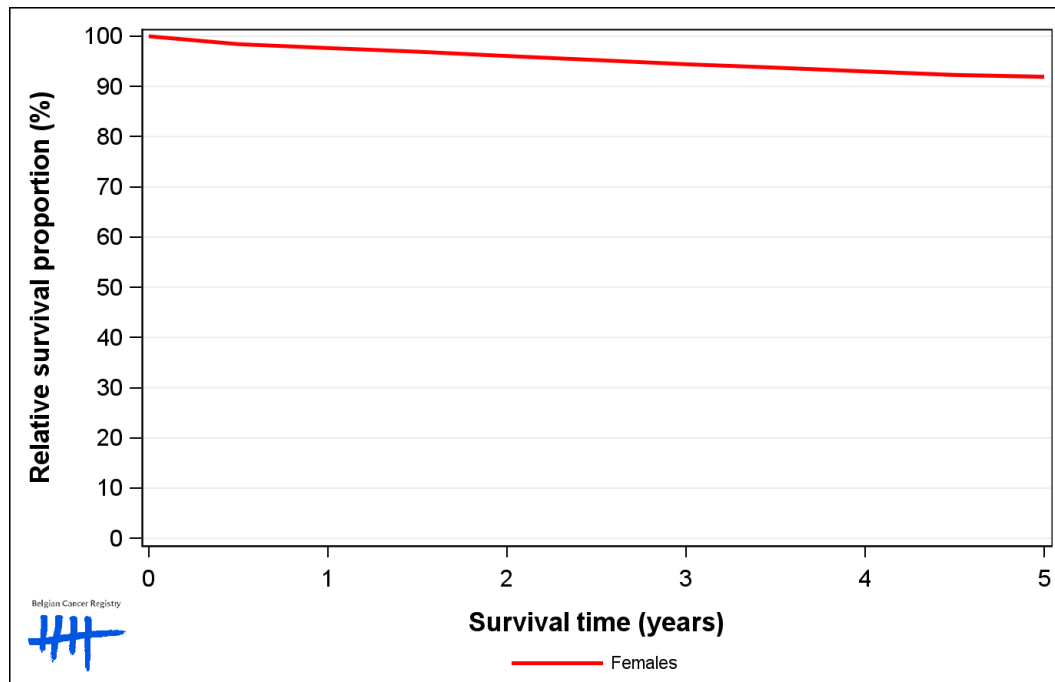


Figure 7: Female Breast Cancer: relative survival proportion by age group, Belgium 2015-2019

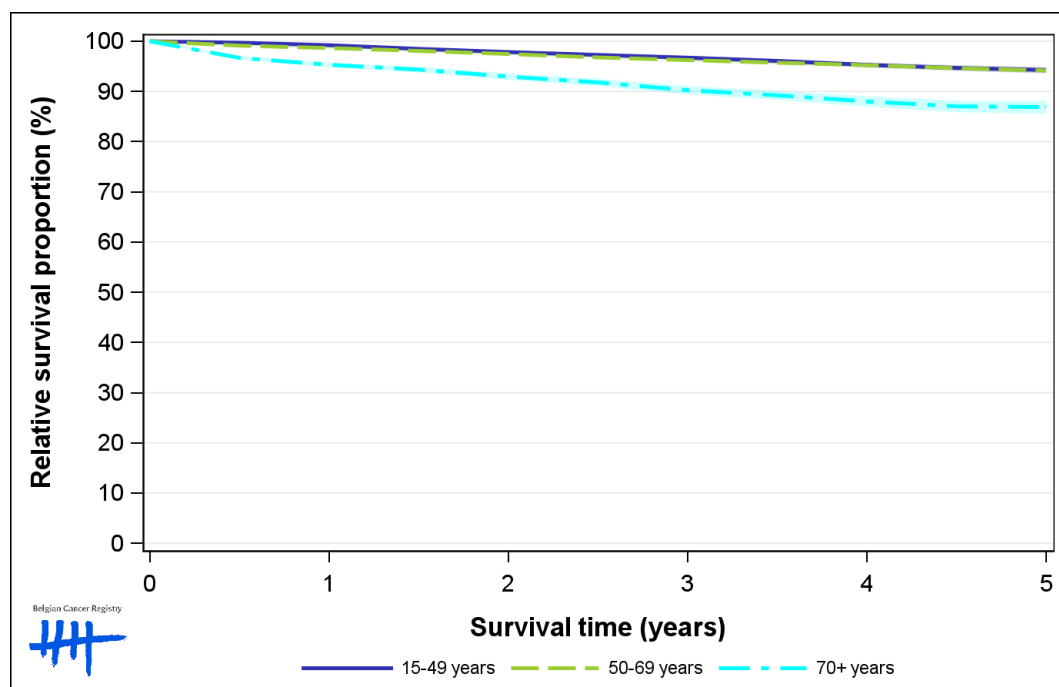


Figure 8: Female Breast Cancer: relative survival proportion by region, Belgium 2015-2019

