

Belgian Cancer Registry



# Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

**Belgium 2022**

# 1. Cancer Incidence

## 1.1. Number of new diagnoses and incidence rates

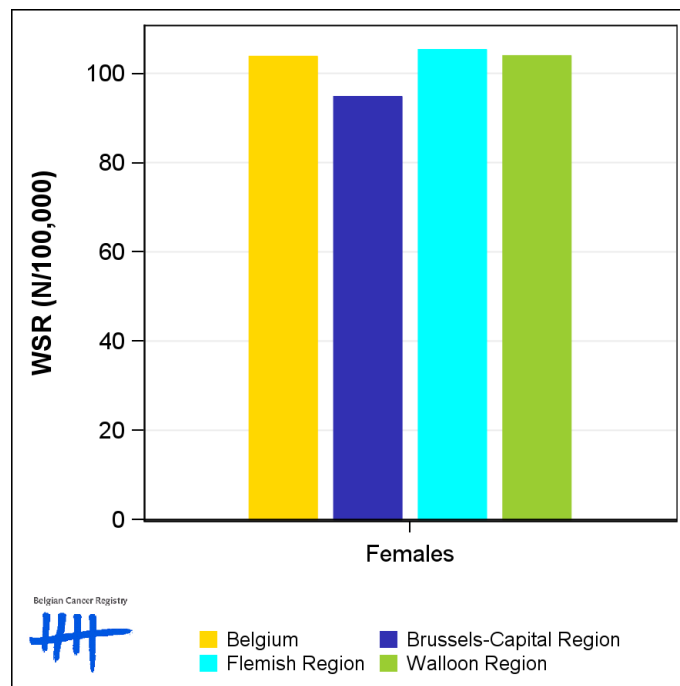
**Table 1:** Female Breast Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2022

Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>63.9</b>	<b>11,192</b>	<b>190.5</b>	<b>184.5</b>	<b>103.8</b>	<b>11.03</b>
Brussels-Capital Region	62.5	903	145.1	172.8	94.8	10.12
Flemish Region	64.1	6,695	197.9	185.8	105.3	11.15
Walloon Region	63.9	3,594	192.1	185.9	103.9	11.09

CR=Crude (all ages) Rate (N/100,000 person-years)  
 ESR=Age-Standardised Rate, using 2013 revised 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, 2022



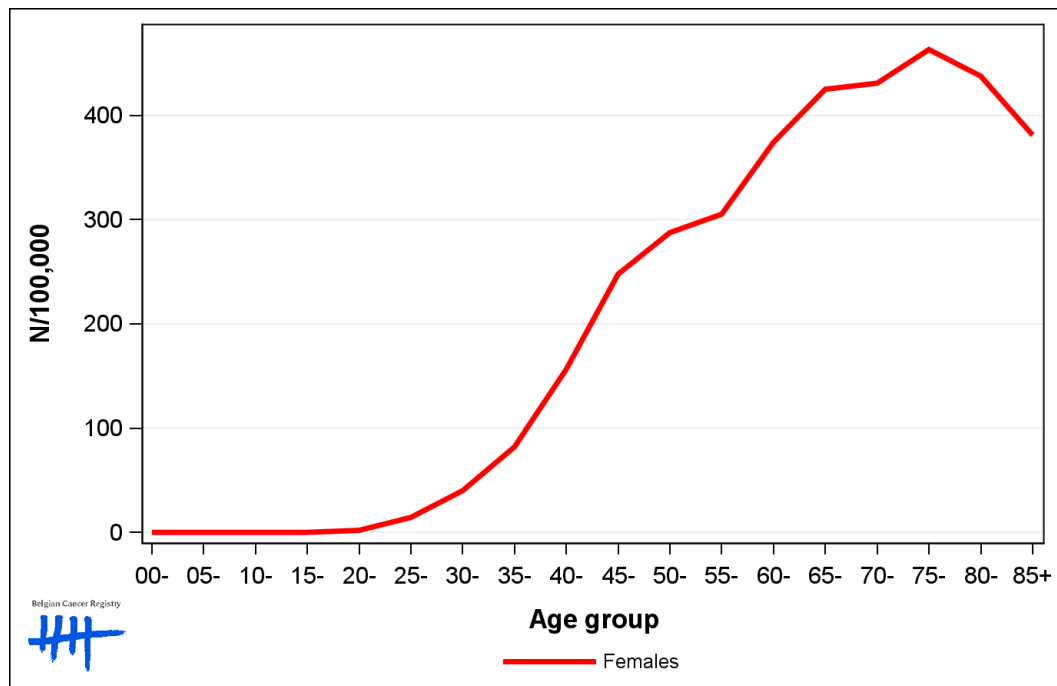
## 1.2. Age-specific incidence rates

**Table 2:** Female Breast Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2022

	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	3.3	13.0	37.9	78.5	159.9	251.3	278.6	296.1	367.1	402.3	449.8	503.7	453.4	395.4	190.5	184.5	103.8

CR=Crude (all ages) Rate (N/100,000 person-years)  
 ESR (2013)=Age-Standardised Rate, using the 2013 revised 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, 2018-2022



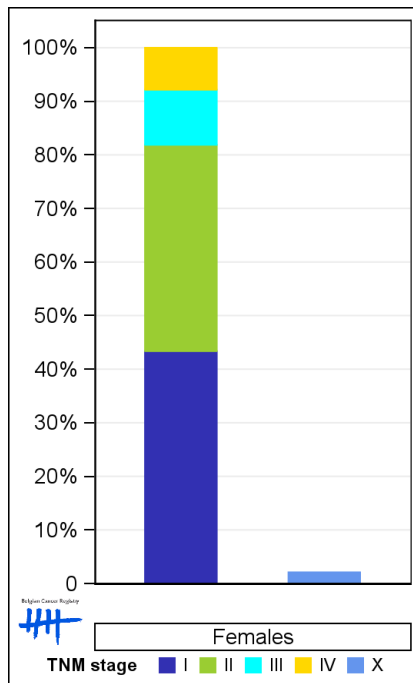
### 1.3. Combined stage

**Table 3:** Female Breast Cancer: Distribution of combined stage, Belgium 2022

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Females</b>							
N	4,745	4,211	1,126	855	234	21	11,192
%	42.4	37.6	10.1	7.6	2.1	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 2022



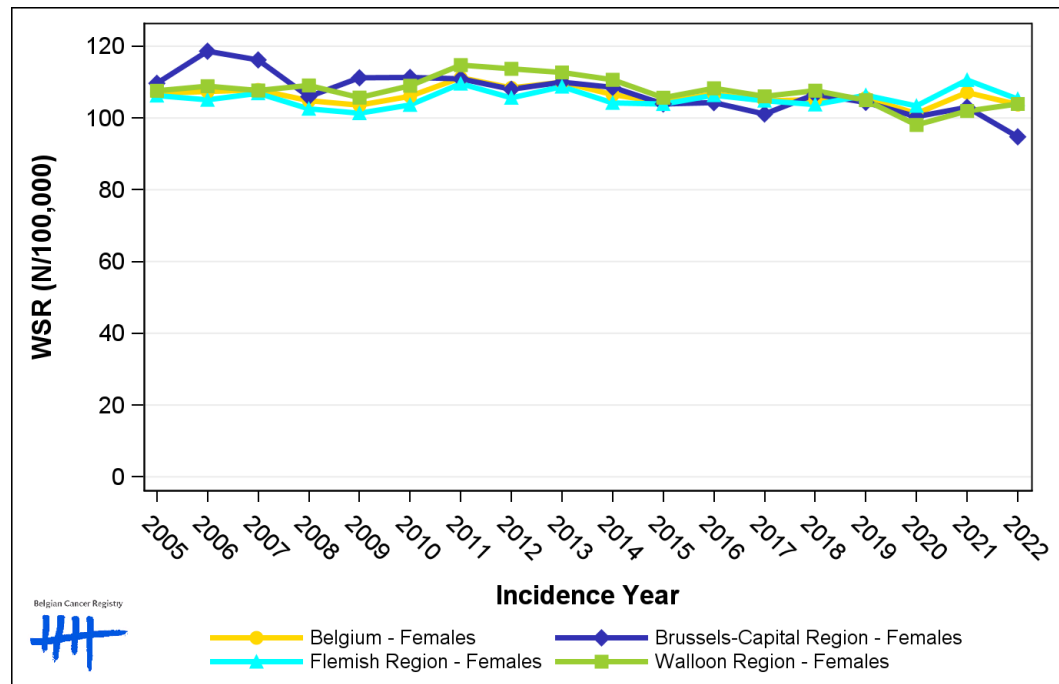
## 1.4. Trends in incidence

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

Females	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
<b>Belgium</b>	<b>104.8</b>	<b>103.6</b>	<b>106.1</b>	<b>111.2</b>	<b>108.4</b>	<b>110.0</b>	<b>106.5</b>	<b>104.3</b>	<b>106.7</b>	<b>104.8</b>	<b>105.1</b>	<b>105.6</b>	<b>101.2</b>	<b>107.1</b>	<b>103.8</b>	<b>]-0.1;0[</b>	<b>[-0.3; 0.3]</b>
Brussels-Capital Region	105.9	111.2	111.3	110.9	108.0	110.0	108.6	103.9	104.3	101.1	106.6	104.4	100.4	103.0	94.8	-0.8	[-1.2; -0.4]
Flemish Region	102.6	101.3	103.6	109.6	105.6	108.7	104.2	103.9	106.3	104.8	103.7	106.3	103.4	110.6	105.3	0.2	[-0.1; 0.5]
Walloon Region	109.1	105.7	109.0	114.8	113.7	112.7	110.7	105.7	108.3	106.0	107.6	105.0	98.1	102.0	103.9	-0.5	[-0.9; -0.2]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2008-2022 period

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



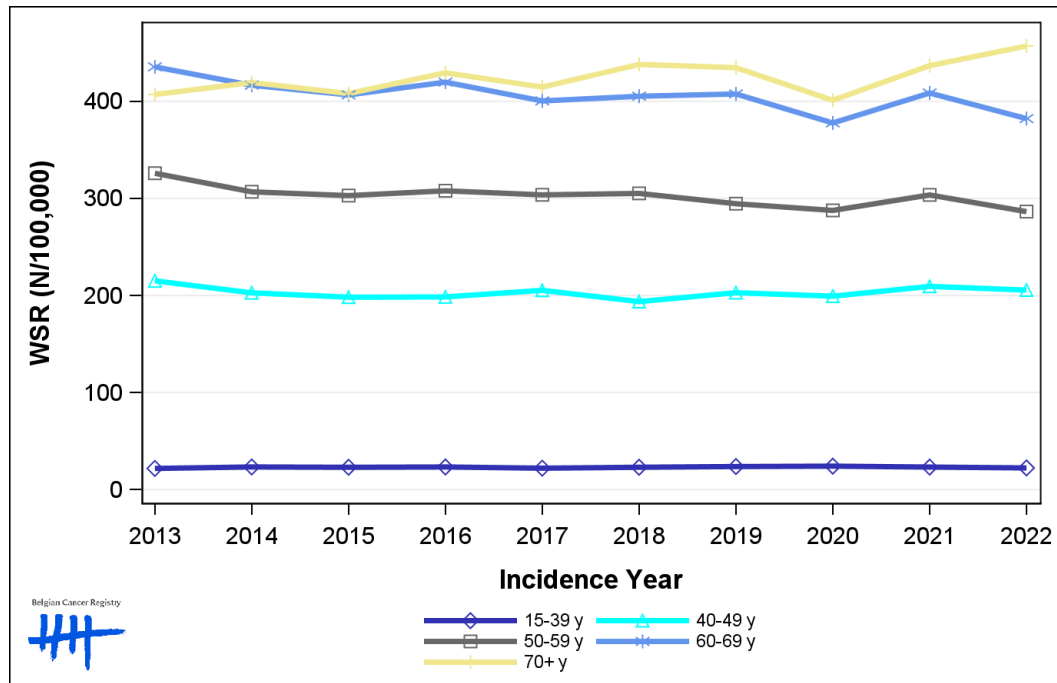
## 1.5. Incidence by broad age groups

**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									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Females</b>																				
All ages	10,711	10,481	10,406	10,784	10,657	10,926	10,997	10,492	11,329	11,192	110.0	106.5	104.3	106.7	104.8	105.1	105.6	101.2	107.1	103.8
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	465	498	495	507	482	508	525	532	516	496	21.9	23.4	23.0	23.3	22.1	23.1	23.8	24.2	23.2	22.4
40-49 y	1,709	1,590	1,532	1,517	1,552	1,460	1,525	1,491	1,561	1,528	215.1	202.7	198.2	198.5	205.3	193.7	202.9	199.3	209.4	205.6
50-59 y	2,491	2,380	2,380	2,423	2,407	2,423	2,337	2,282	2,403	2,259	325.9	306.8	302.9	307.8	303.7	305.1	294.5	287.6	303.6	286.4
60-69 y	2,709	2,634	2,631	2,773	2,668	2,729	2,777	2,609	2,869	2,721	435.5	416.6	406.6	419.8	400.4	405.2	407.6	377.7	408.5	382.2
70+ y	3,337	3,379	3,368	3,564	3,548	3,806	3,833	3,578	3,980	4,188	407.0	419.4	408.0	429.4	414.7	438.0	434.7	401.1	436.7	456.9

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. Net survival

**Table 6:** Female Breast Cancer: 5-year net survival by age group and region, Belgium 2018-2022

	5-year net survival 2018-2022 (%)		
	Females		
	N at risk	estimate	95% CI
<b>Overall</b>	54,860	92.6	[92.1, 93.2]
<b>Age group</b>			
15-49 years	10,123	94.5	[93.9, 95.1]
50-69 years	25,369	94.6	[94.2, 95.1]
70+ years	19,368	89.1	[87.6, 90.6]
<b>Region</b>			
Brussels-Capital Region	4,684	92.4	[90.3, 94.5]
Flemish Region	32,664	93.1	[92.4, 93.8]
Walloon Region	17,512	91.9	[90.8, 93.0]

**Figure 6:** Female Breast Cancer: net survival, Belgium 2018-2022

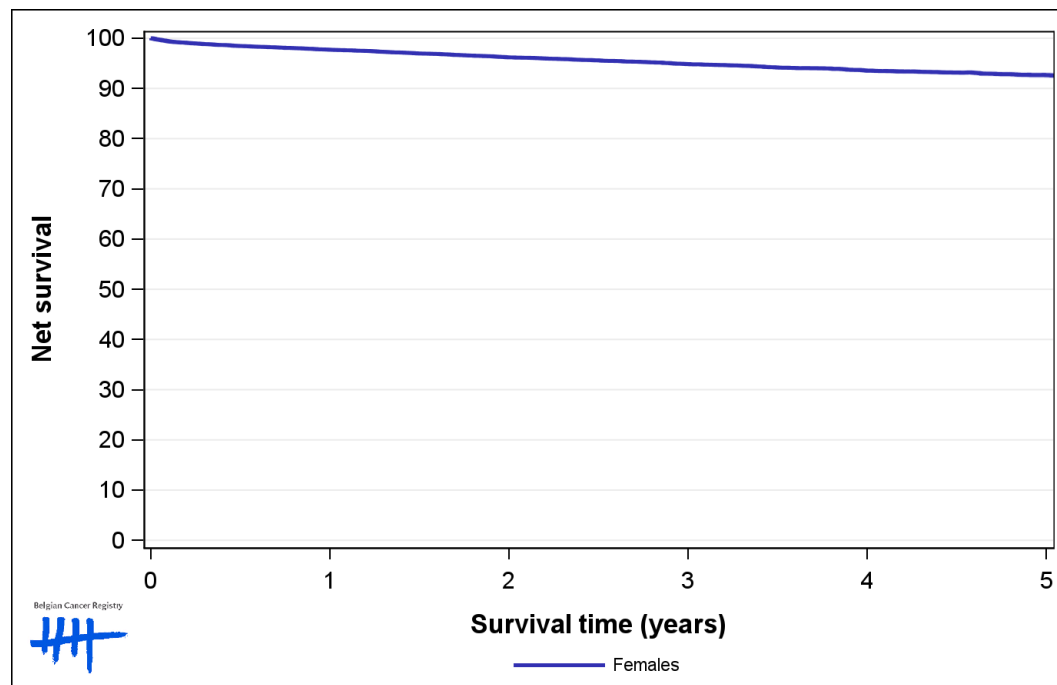


Figure 7: Female Breast Cancer: net survival by age group, Belgium 2018-2022

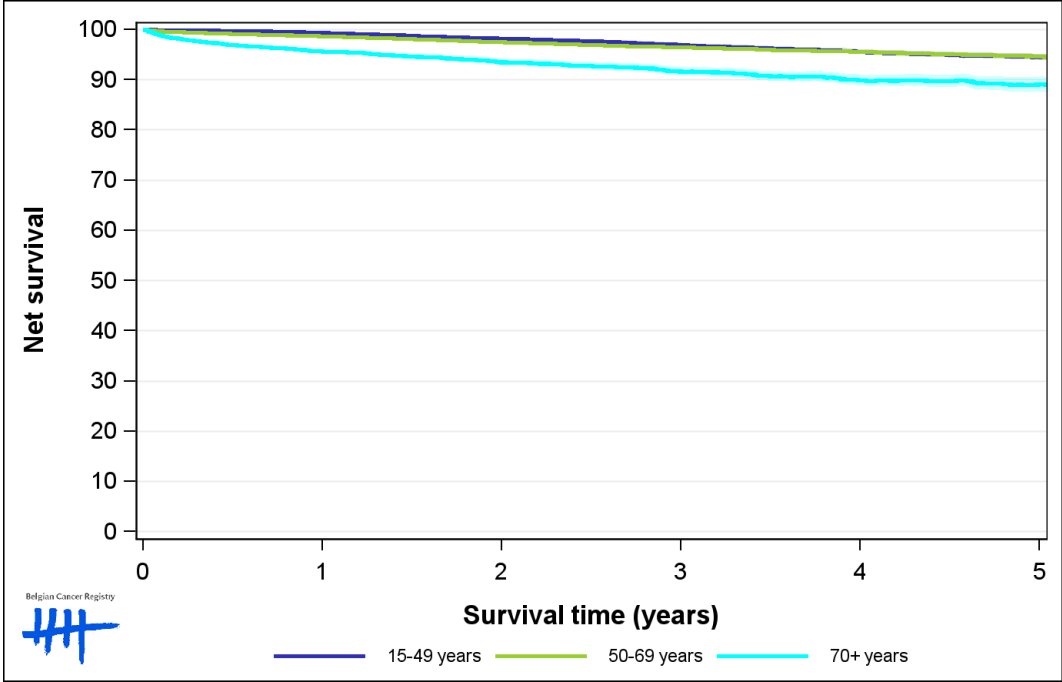


Figure 8: Female Breast Cancer: net survival by region, Belgium 2018-2022

