

Belgian Cancer Registry



Cancer Fact Sheet **Breast Cancer**

ICD10 : C50

Belgium 2017

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

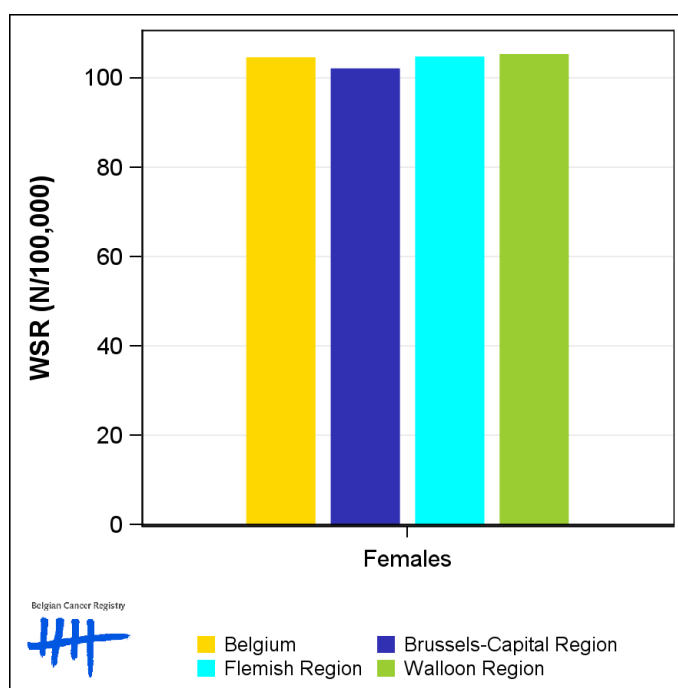
Table 1: Female Breast Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2017

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	63.0	10,627	184.7	142.0	104.4	11.22
Brussels-Capital Region	61.8	908	149.0	138.9	102.0	11.05
Flemish Region	63.1	6,275	190.5	142.0	104.6	11.14
Walloon Region	63.0	3,444	186.1	143.2	105.2	11.45

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, 2017



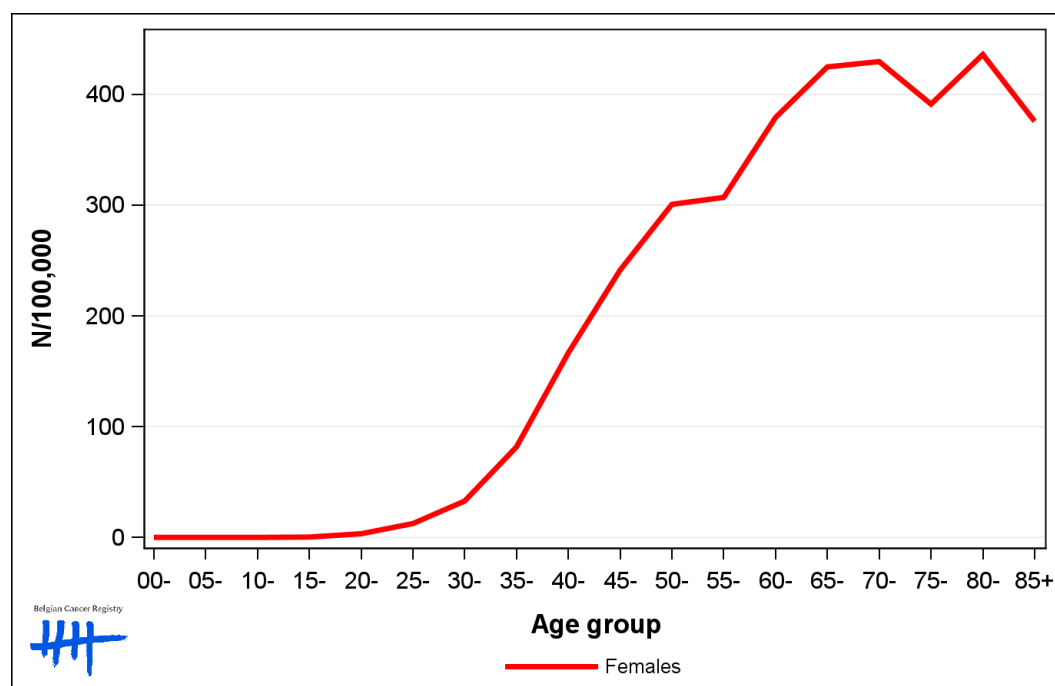
1.2. Age-specific incidence rates

Table 2: Female Breast Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2017

	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	3.3	12.5	32.8	81.7	166.6	241.3	300.8	307.0	379.1	424.8	429.7	391.2	436.0	375.8	184.7	142.0	104.4

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, 2017



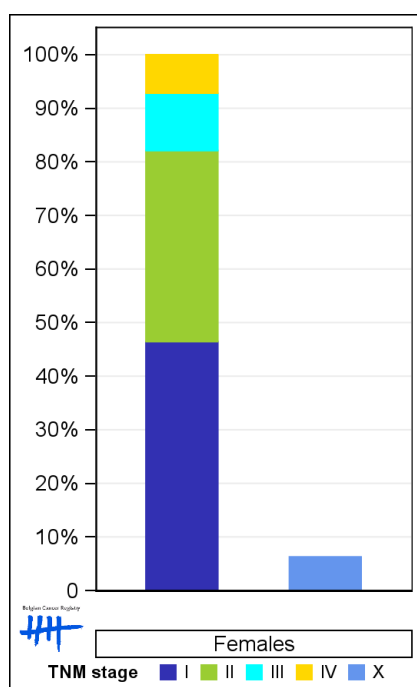
1.3. Combined stage

Table 3: Female Breast Cancer: Distribution of combined stage, Belgium 2017

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Females							
N	4,608	3,538	1,060	712	664	45	10,627
%	43.4	33.3	10.0	6.7	6.2	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 2017



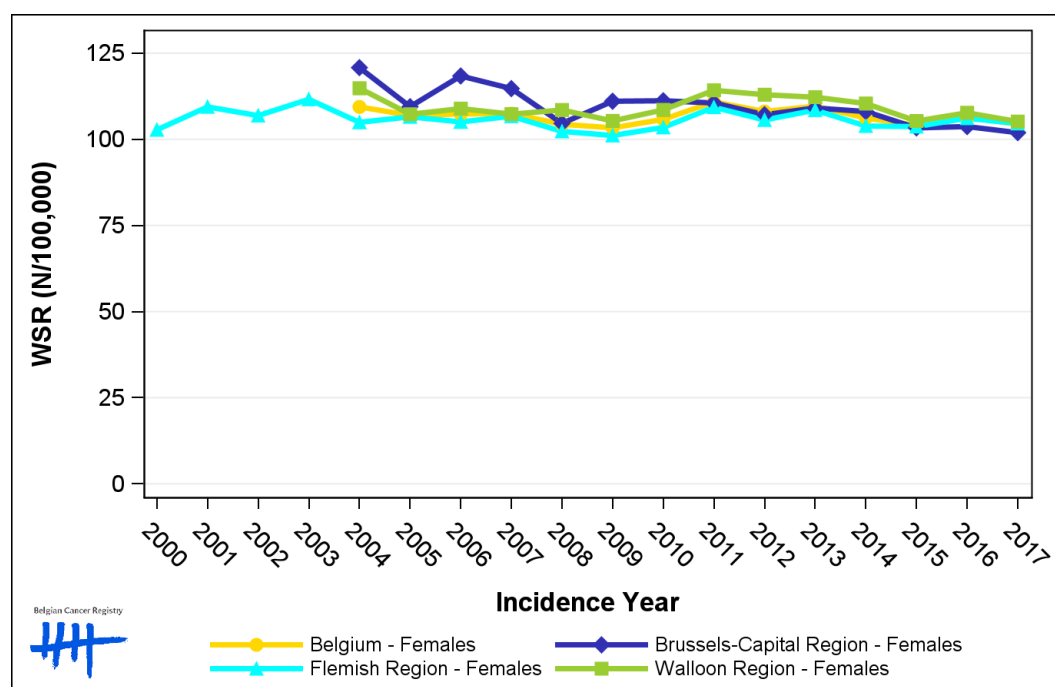
1.4. Trends in incidence

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

Females	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	AAPC	95% CI
Belgium	109.4	106.9	107.4	107.5	104.4	103.3	105.8	110.9	108.1	109.6	106.2	104.1	106.4	104.4	-0.2	[-0.5; 0.1]	
Brussels-Capital Region	120.8	109.5	118.4	114.7	104.6	111.1	111.2	110.6	107.2	109.1	108.1	103.3	103.7	102.0	-1.0	[-1.4; -0.5]	
Flemish Region	111.6	104.9	106.6	105.1	106.7	102.3	101.1	103.5	109.3	105.6	108.5	103.9	103.7	106.1	104.6	-0.2	[-0.5; 0.1]
Walloon Region	114.9	107.3	108.9	107.3	108.5	105.4	108.6	114.2	113.0	112.2	110.4	105.3	107.7	105.2	-0.3	[-0.8; 0.2]	

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2004-2017 period (except for the Flemish region : 2003-2017).

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



1.5. Incidence by broad age groups

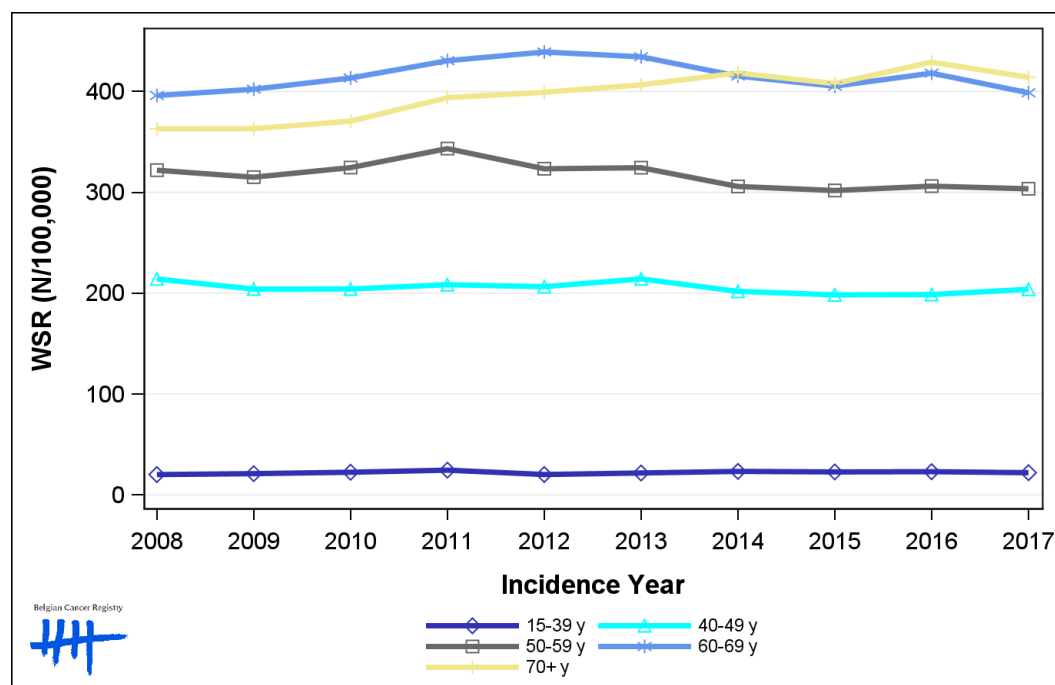
Table 5: Female Breast Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year, Belgium

	N										WSR									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Females																				
All	9,554	9,573	9,881	10,519	10,525	10,683	10,450	10,384	10,755	10,627	104.4	103.3	105.8	110.9	108.1	109.6	106.2	104.1	106.4	104.4
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	437	458	487	524	428	463	498	491	501	480	20.2	21.1	22.5	24.6	20.3	21.8	23.4	22.8	23.1	22.1
40-49	1,708	1,630	1,631	1,670	1,649	1,702	1,583	1,533	1,518	1,542	214.2	204.1	204.2	208.4	206.5	214.2	201.8	198.4	198.7	204.0
50-59	2,290	2,262	2,374	2,549	2,444	2,480	2,373	2,372	2,410	2,406	322.0	315.0	324.5	343.4	323.4	324.4	305.8	301.8	306.2	303.5
60-69	2,149	2,225	2,331	2,497	2,640	2,703	2,626	2,622	2,763	2,657	396.0	402.3	413.4	430.5	439.2	434.4	415.3	405.3	418.2	398.7
70+ y	2,970	2,998	3,058	3,279	3,364	3,335	3,370	3,366	3,563	3,542	363.0	363.2	370.6	393.9	399.2	406.6	418.3	407.9	429.1	414.1

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



2. Relative survival

Table 6: Female Breast Cancer: 5-year relative survival proportion by age group and region, Belgium 2013-2017

	5-year relative survival 2013-2017 (%)		
	Females		
	N at risk	estimate	95% CI
Overall	52,714	90.9	[90.5, 91.4]
Age group			
15-49 years	10,244	93.4	[92.8, 94.1]
50-69 years	25,327	93.5	[93.1, 94.0]
70+ years	17,143	85.0	[83.8, 86.3]
Region			
Brussels-Capital Region	4,562	91.3	[89.7, 92.8]
Flemish Region	30,856	90.9	[90.3, 91.5]
Walloon Region	17,296	91.0	[90.2, 91.8]

Figure 6: Female Breast Cancer: relative survival proportion, Belgium 2013-2017

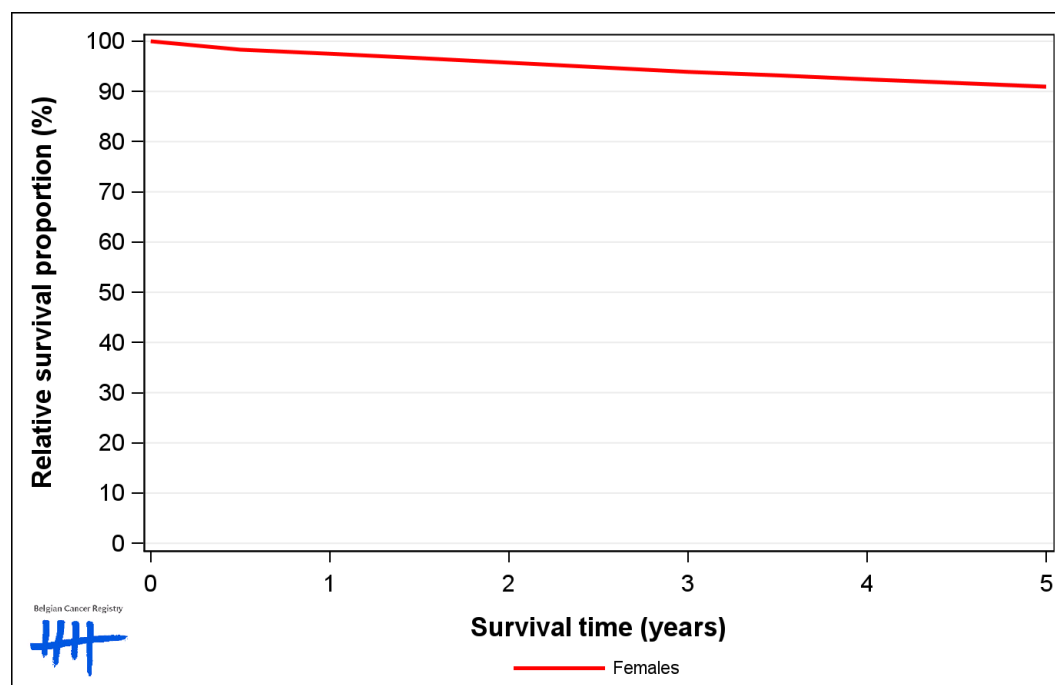


Figure 7: Female Breast Cancer: relative survival proportion by age group, Belgium 2013-2017

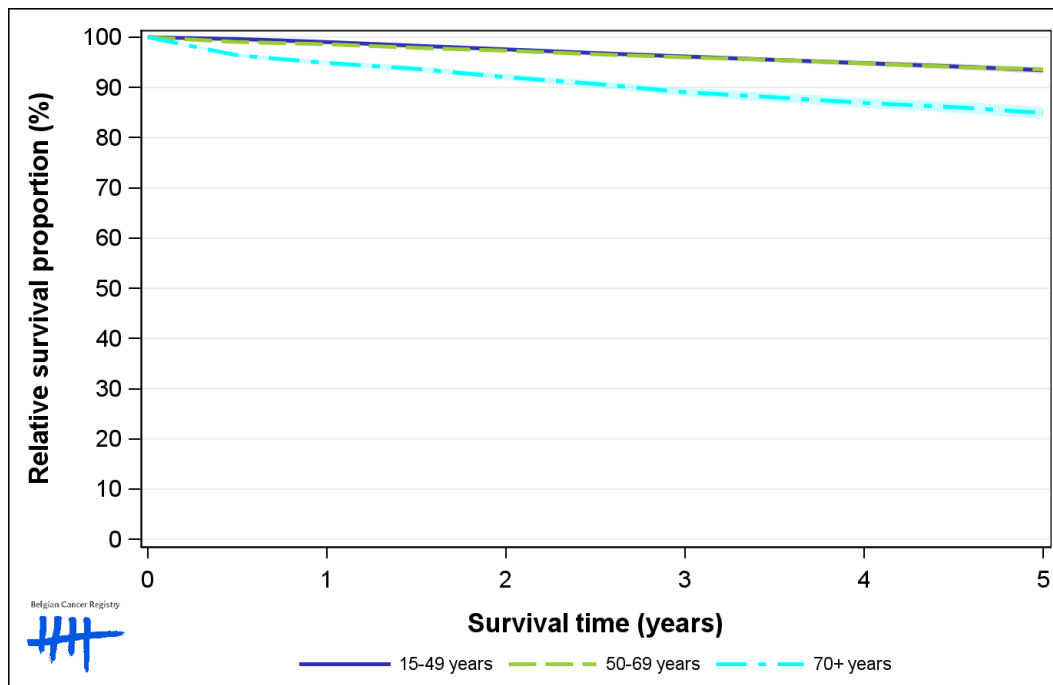


Figure 8: Female Breast Cancer: relative survival proportion by region, Belgium 2013-2017

