



Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

Belgium 2017

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

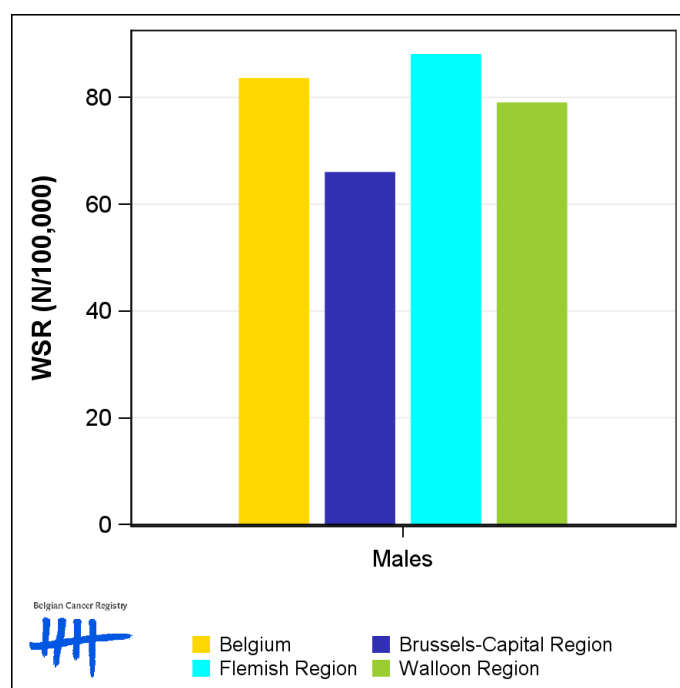
Table 1: Prostate Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2017

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	69.9	9,555	171.6	124.5	83.5	10.78
Brussels-Capital Region	71.1	564	96.8	100.4	65.9	8.38
Flemish Region	69.9	6,224	193.2	131.0	88.0	11.26
Walloon Region	69.7	2,767	156.8	117.4	78.9	10.40

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: Prostate Cancer: Age-standardised incidence rates by region, 2017



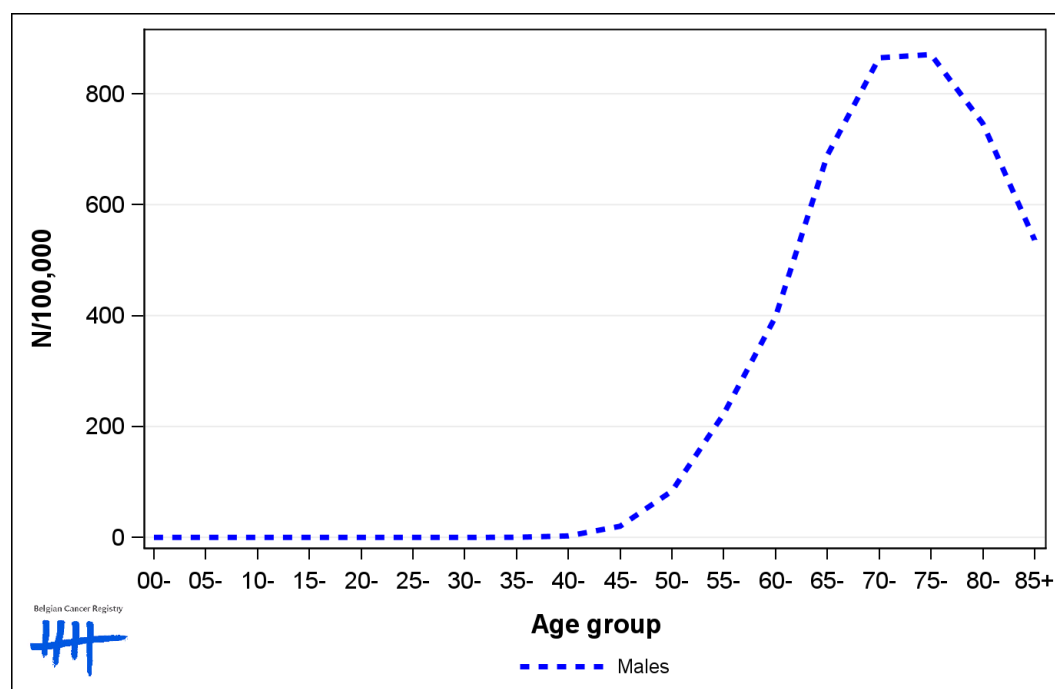
1.2. Age-specific incidence rates

Table 2: Prostate 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
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.7	20.1	83.6	222.7	398.0	689.2	864.9	870.8	746.5	536.4	171.6	124.5	83.5

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: Prostate Cancer: Age-specific incidence rates, 2017



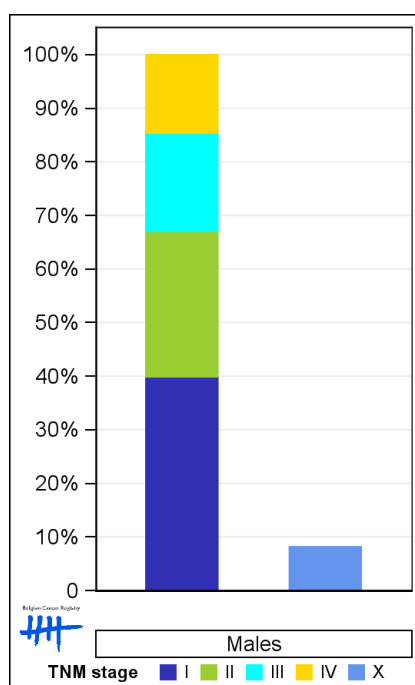
1.3. Combined stage

Table 3: Prostate Cancer: Distribution of combined stage, Belgium 2017

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	3,502	2,385	1,609	1,280	779	0	9,555
%	36.7	25.0	16.8	13.4	8.2	0.0	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: Prostate Cancer: Bar chart of known combined stage, Belgium 2017



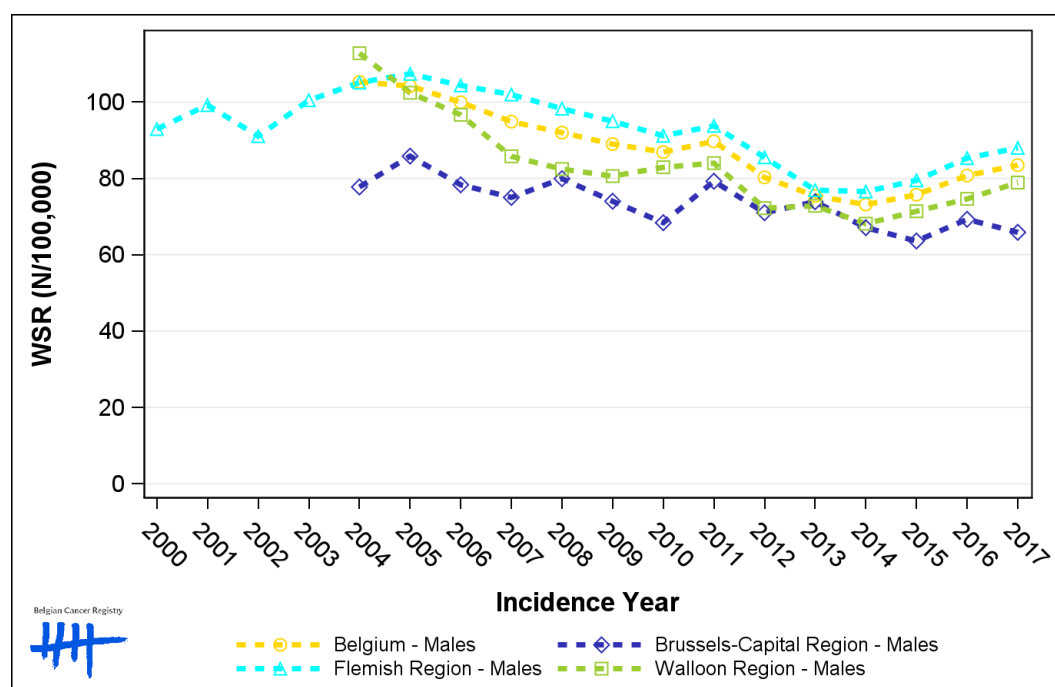
1.4. Trends in incidence

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

Males	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	AAPC	95% CI
Belgium	105.3	104.2	100.0	100.0	94.9	92.0	89.0	86.9	89.7	80.3	75.4	73.2	75.7	80.8	83.5	-1.9	[-2.4; -1.5]
Brussels-Capital Region	77.8	85.9	78.3	75.0	80.0	74.0	68.4	79.3	71.0	73.9	67.1	63.6	69.3	65.9	-1.6	[-2.4; -0.9]	
Flemish Region	100.5	105.1	107.4	104.4	102.0	98.3	95.0	91.2	93.8	85.5	76.9	76.6	79.5	85.3	88.0	-1.2	[-1.7; -0.6]
Walloon Region	112.8	102.4	96.7	85.8	82.5	80.6	82.9	84.0	84.0	72.2	72.8	68.1	71.4	74.6	78.9	-2.8	[-3.5; -2.1]

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



1.5. Incidence by broad age groups

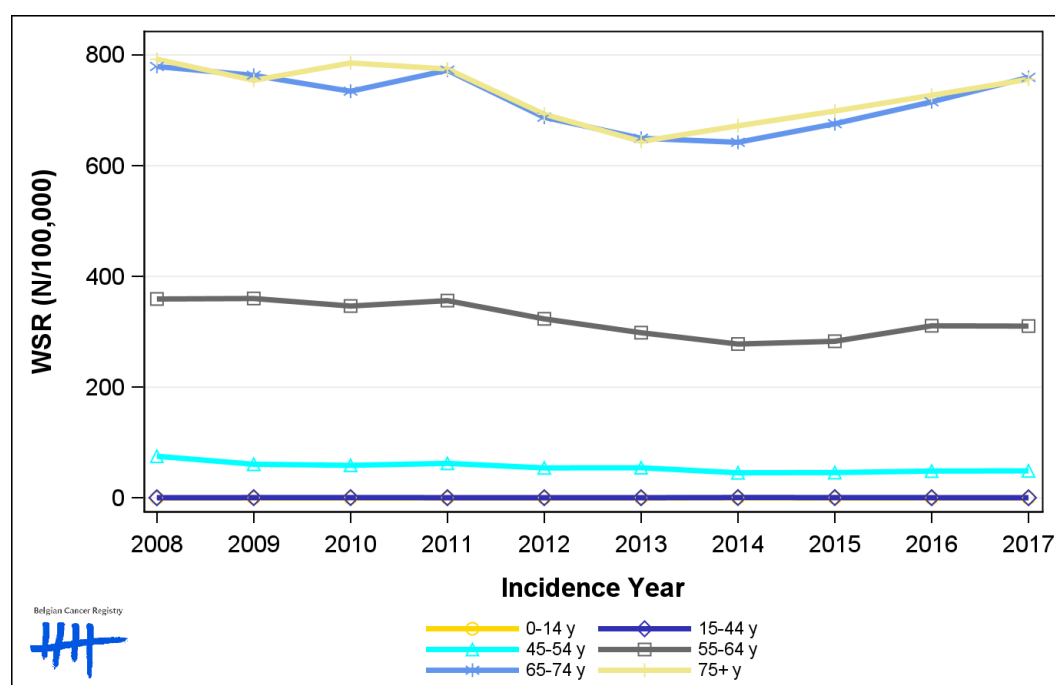
Table 5: Prostate Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year, Belgium

	N										WSR									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Males																				
All ages	8,861	8,702	8,716	9,078	8,290	7,907	7,928	8,385	9,058	9,555	92.0	89.0	86.9	89.7	80.3	75.4	73.2	75.7	80.8	83.5
0-14 y	0	0	0	0	0	0	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	<0.1	0.0	0.0	0.0
15-44 y	12	17	19	15	14	13	21	17	15	11	0.4	0.6	0.7	0.5	0.5	0.5	0.8	0.7	0.6	0.4
45-54 y	602	496	489	527	464	468	392	397	421	425	75.3	60.9	58.9	62.5	54.3	54.5	45.4	45.8	48.6	49.0
55-64 y	2,215	2,269	2,235	2,357	2,149	1,998	1,882	1,943	2,165	2,203	359.3	360.2	346.6	356.4	323.4	298.4	278.0	282.9	310.9	310.4
65-74 y	3,352	3,302	3,184	3,384	3,107	3,010	3,050	3,292	3,592	3,971	779.1	763.2	734.5	772.5	687.4	649.6	642.3	675.8	715.4	759.5
75+ y	2,680	2,618	2,789	2,795	2,556	2,418	2,582	2,736	2,865	2,945	792.3	754.2	785.6	774.7	693.0	643.9	672.0	698.7	727.1	756.1

N=Number of invasive tumours

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 5: Prostate Cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups, Belgium



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2. Relative survival

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

	5-year relative survival 2013-2017 (%)		
	Males		
	N at risk	estimate	95% CI
Overall	42,676	95.3	[94.7, 96.0]
Age group			
15-59 years	6,045	95.5	[94.6, 96.4]
60-74 years	23,116	97.2	[96.5, 97.8]
75+ years	13,515	91.7	[90.0, 93.4]
Region			
Brussels-Capital Region	2,700	93.2	[90.7, 95.7]
Flemish Region	27,610	95.8	[95.2, 96.6]
Walloon Region	12,366	94.5	[93.3, 95.8]

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

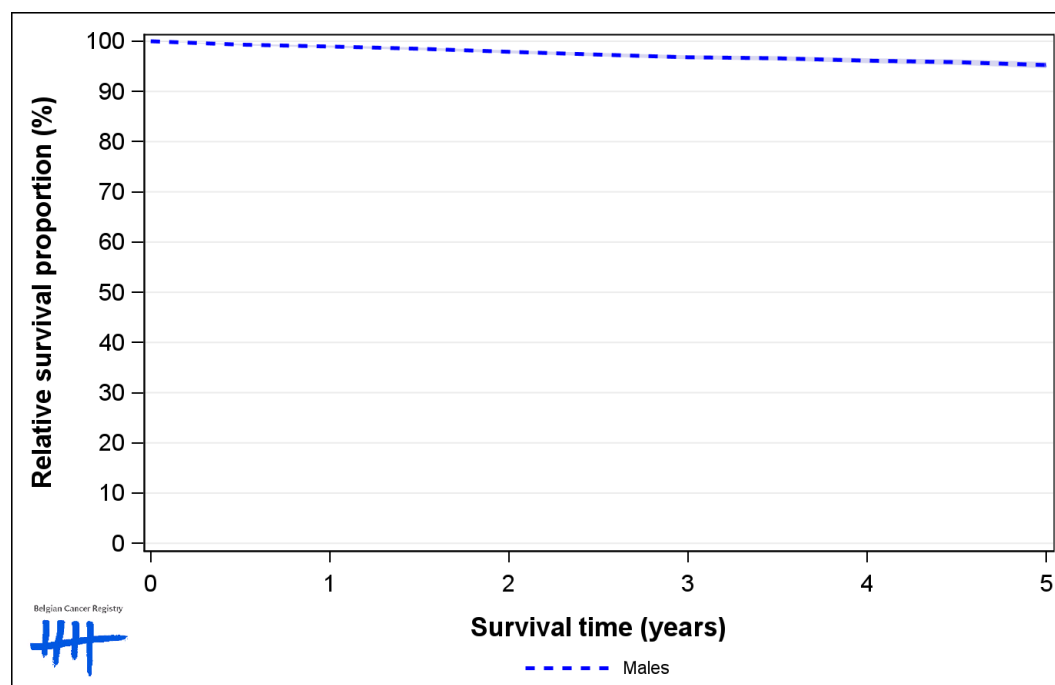


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2013-2017

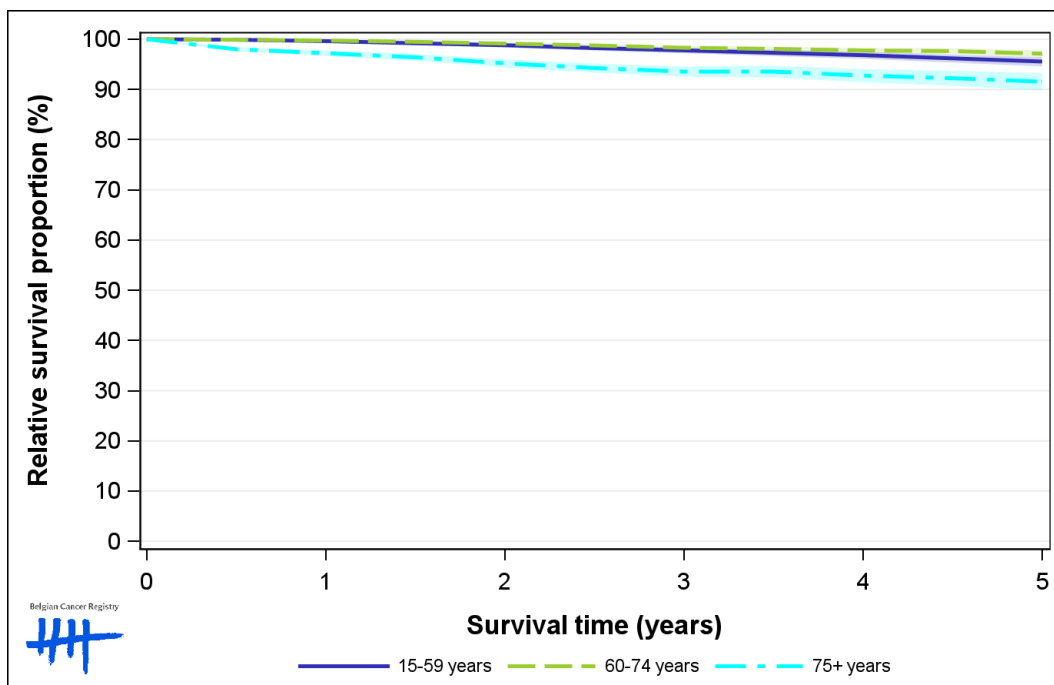


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2013-2017

