

Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61



Belgium 2016

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, 2016

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	69.8	9,050	163.4	120.0	80.7	10.35
Brussels-Capital Region	70.0	567	97.8	104.2	69.5	9.21
Flemish Region	69.8	5,899	184.3	126.5	85.3	10.84
Walloon Region	69.8	2,584	147.1	111.1	74.6	9.66

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 (%)

Belgian Cancer Registry


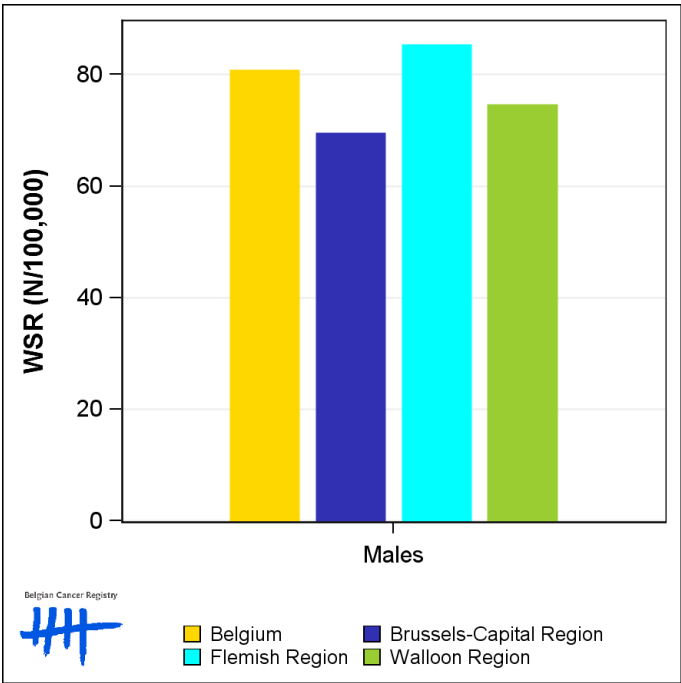


Figure 1: Prostate Cancer: Age-standardised incidence rates by region, 2016



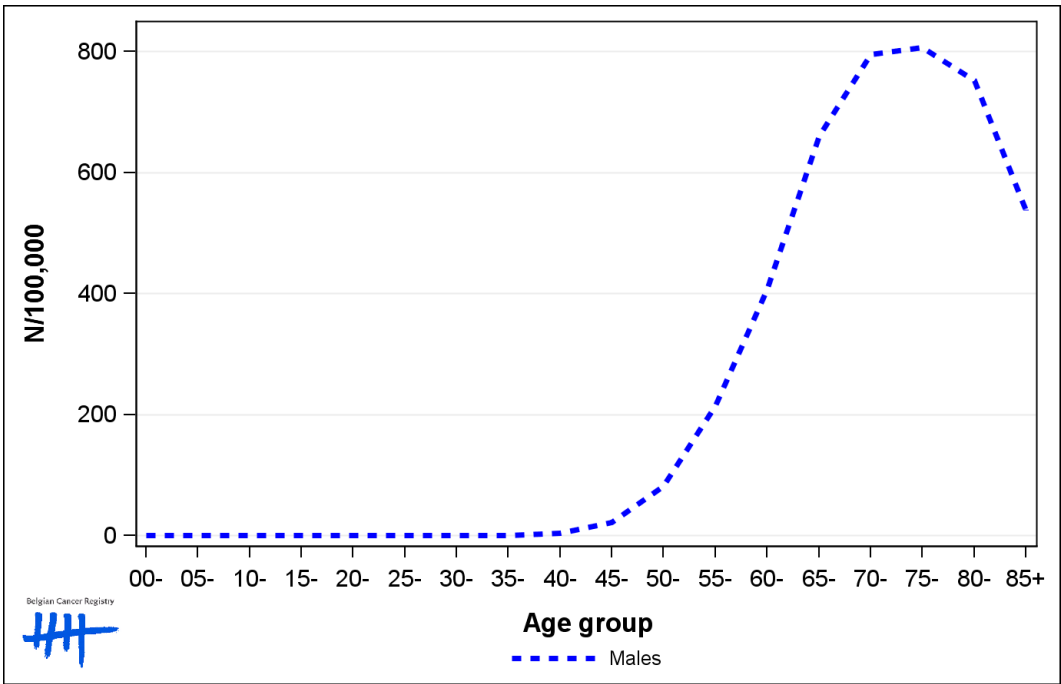
1.2. Age-specific incidence rates

Table 2: Prostate Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2016

	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	3.7	21.7	81.2	214.7	407.1	661.0	795.4	806.7	751.5	537.7	163.4	120.0	80.7

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, 2016



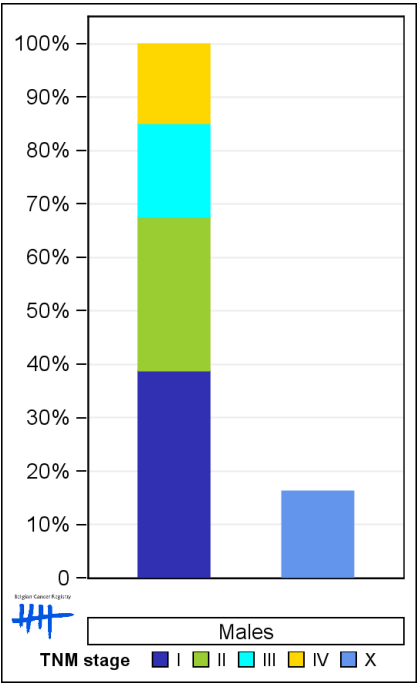
1.3. Combined stage

Table 3: Prostate Cancer: Distribution of combined stage, Belgium 2016

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	2,941	2,184	1,334	1,123	1,467	1	9,050
%	32.5	24.1	14.7	12.4	16.2	<0.1	100

Staging according to the TNM 7th edition (Ref:Sobin LH, Gospodarowicz MK, Wittekind Ch. TNM classification of malignant tumours, UICC 7th 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 2016



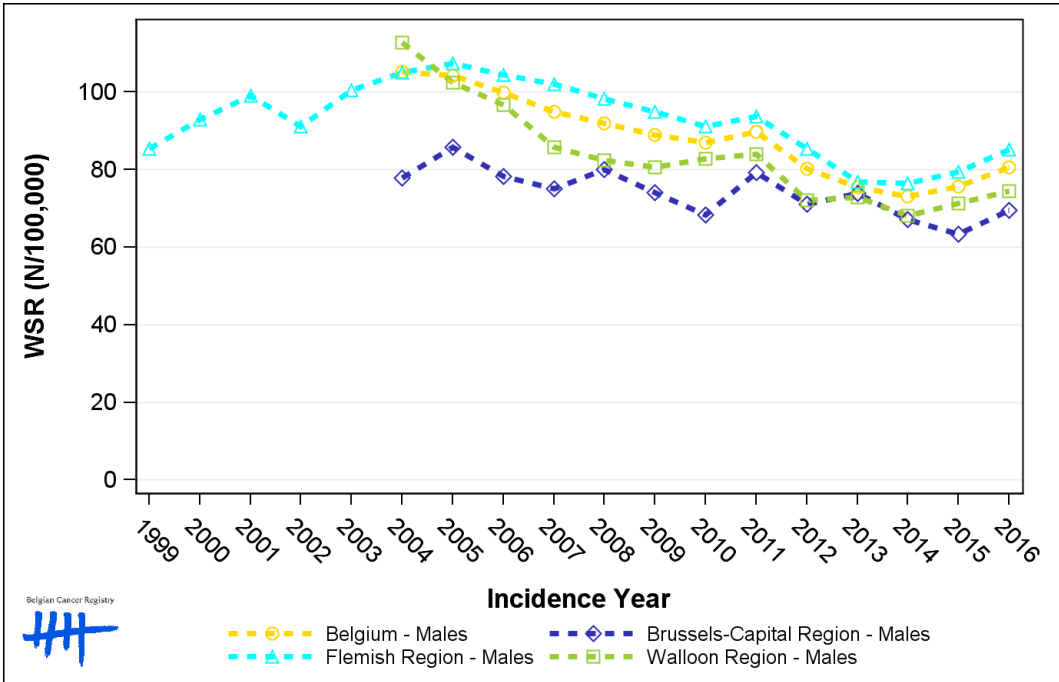
1.4. Trends in incidence

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

Males	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			105.3	104.2	100.0	94.9	92.0	89.0	86.9	89.7	80.2	75.4	73.2	75.7	80.7	-2.4	[-2.9; -1.9]
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	63.5	69.5	-1.6	[-2.5; -0.8]
Flemish Region	91.1	100.4	105.1	107.4	104.4	102.0	98.3	95.0	91.2	93.8	85.5	76.9	76.6	79.4	85.3	-0.7	[-1.2; -0.1]
Walloon Region			112.8	102.4	96.6	85.8	82.5	80.6	82.9	84.0	72.0	72.8	68.1	71.3	74.6	-4.0	[-4.7; -3.2]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2004-2016 period (except for the Flemish region : 2002-2016).

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



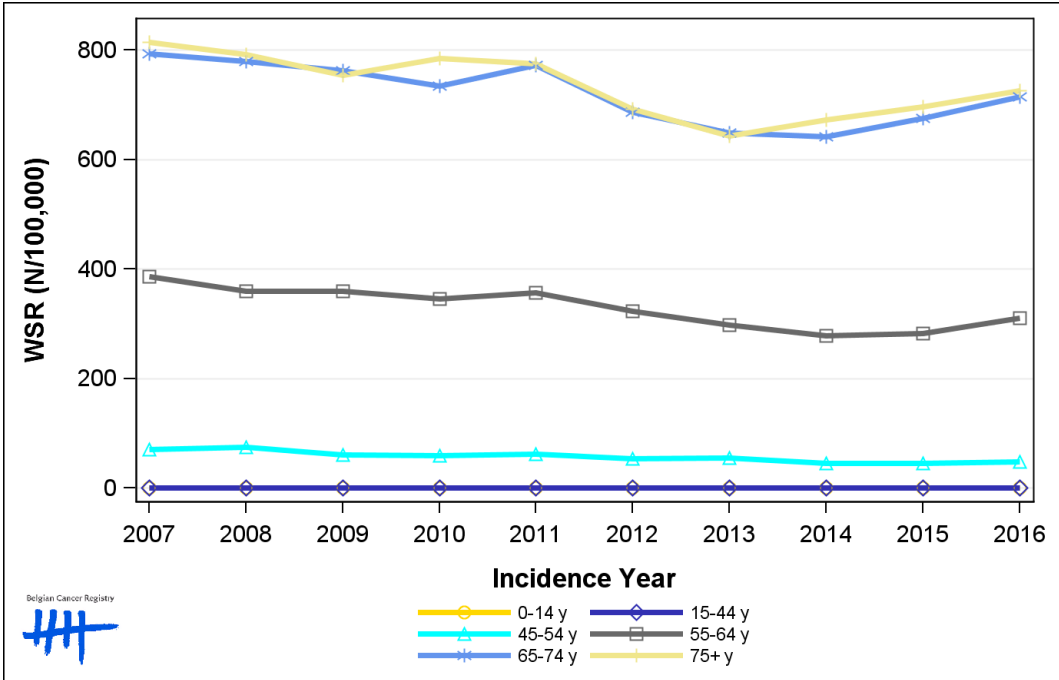
1.5. Incidence by broad age groups

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

	N										WSR									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Males																				
All ages	8,965	8,861	8,700	8,714	9,077	8,283	7,903	7,928	8,373	9,050	94.9	92.0	89.0	86.9	89.7	80.2	75.4	73.2	75.7	80.7
0-14 y	0	0	0	0	0	0	0	1	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<0.1	0.0	0.0
15-44 y	20	12	17	19	15	14	13	21	17	15	0.7	0.4	0.6	0.7	0.5	0.5	0.5	0.8	0.7	0.6
45-54 y	557	602	496	489	527	463	468	392	397	422	70.7	75.3	60.9	58.9	62.5	54.2	54.5	45.4	45.8	48.8
55-64 y	2,265	2,215	2,269	2,233	2,356	2,145	1,998	1,882	1,941	2,165	385.8	359.3	360.2	346.2	356.2	322.8	298.4	278.0	282.6	310.9
65-74 y	3,422	3,352	3,301	3,185	3,384	3,106	3,009	3,049	3,290	3,589	792.7	779.1	763.0	734.7	772.5	687.2	649.4	642.1	675.3	714.8
75+ y	2,701	2,680	2,617	2,788	2,795	2,555	2,415	2,583	2,728	2,859	814.4	792.3	754.0	785.4	774.7	692.7	643.0	672.3	696.9	725.6

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



2. Relative survival

Table 6: Prostate Cancer: 5-year relative survival proportion by age group and region, Belgium 2012-2016

5-year relative survival 2012-2016 (%)			
Males			
	N at risk	estimate	95% CI
Overall	41,375	95.1	[94.6, 95.8]
Age group			
15-59 years	6,043	96.0	[95.1, 96.9]
60-74 years	22,225	97.0	[96.4, 97.7]
75+ years	13,107	91.1	[89.4, 92.8]
Region			
Brussels-Capital Region	2,682	93.5	[91.0, 96.0]
Flemish Region	26,837	95.5	[94.8, 96.3]
Walloon Region	11,856	94.7	[93.5, 96.0]

Figure 6: Prostate Cancer: relative survival proportion, Belgium 2012-2016

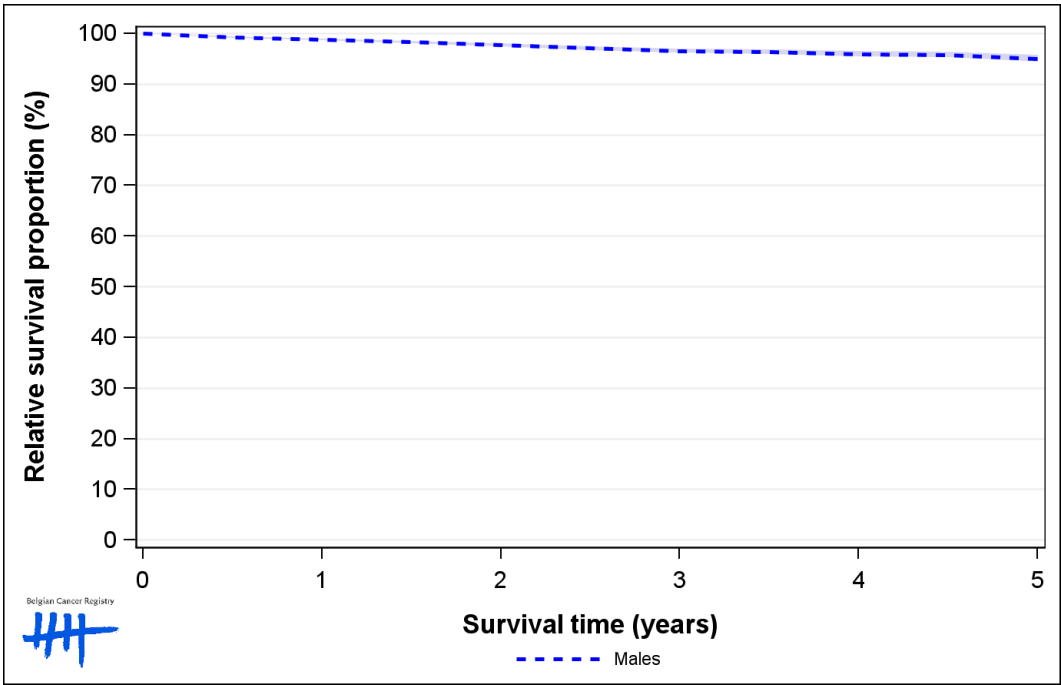


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2012-2016

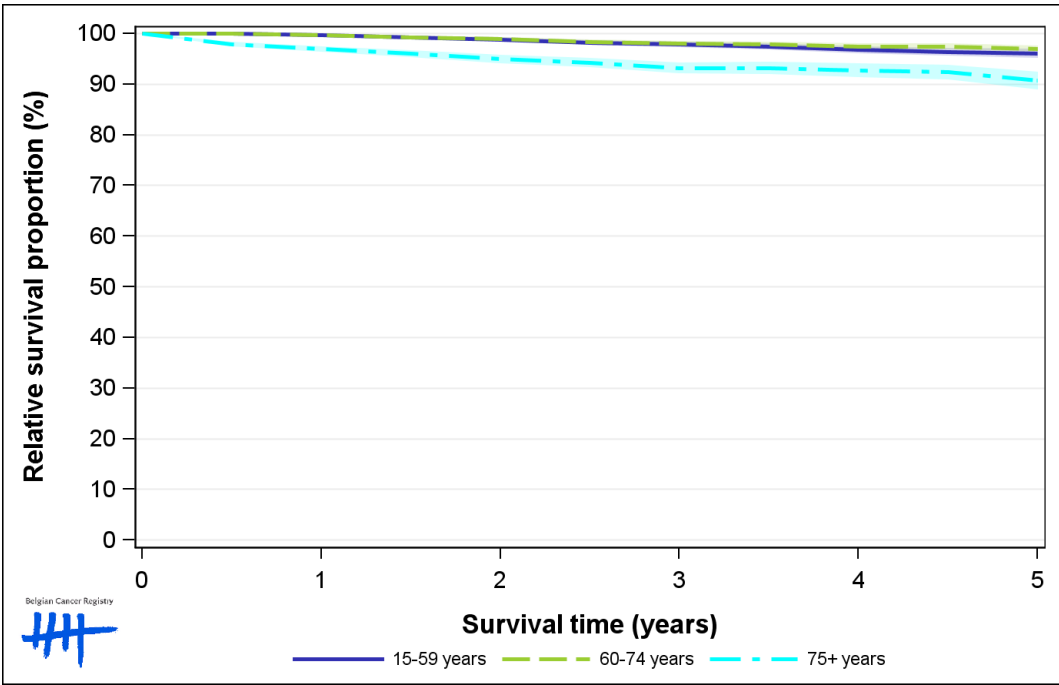


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2012-2016

