



Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

**Belgium 2018**

# 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, 2018

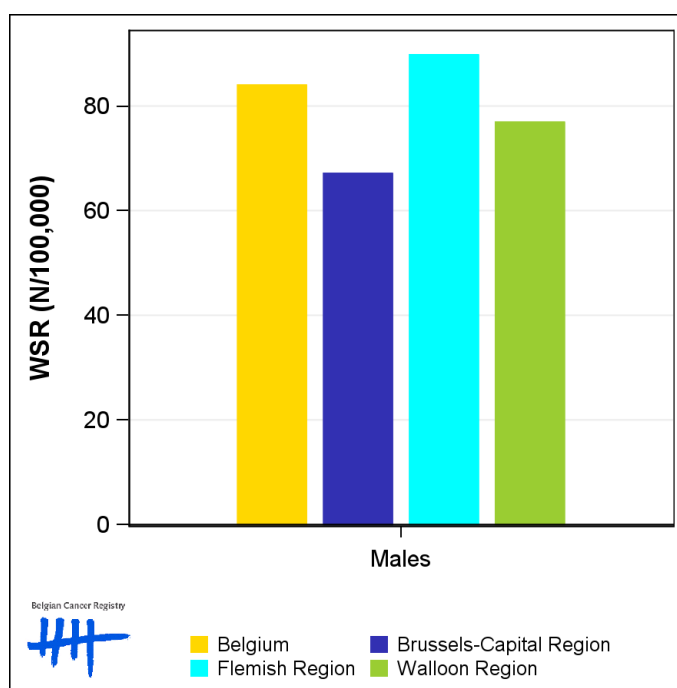
Males	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>70.0</b>	<b>9,800</b>	<b>175.1</b>	<b>125.3</b>	<b>84.0</b>	<b>10.75</b>
Brussels-Capital Region	71.2	581	99.0	102.2	67.1	8.49
Flemish Region	70.0	6,463	199.4	133.6	89.8	11.44
Walloon Region	69.8	2,756	155.7	114.8	76.9	9.96

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, 2018



Belgian Cancer Registry



■ Belgium ■ Brussels-Capital Region  
■ Flemish Region ■ Walloon Region

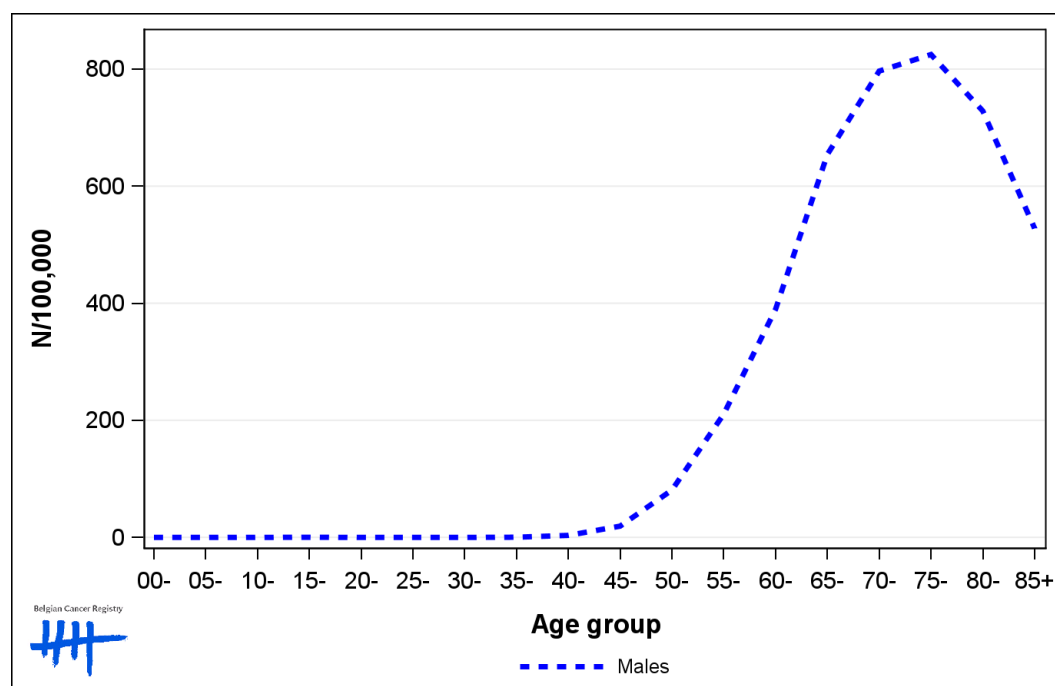
## 1.2. Age-specific incidence rates

**Table 2:** Prostate Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2018

	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	3.0	18.2	82.8	218.2	417.3	690.8	844.4	913.8	745.7	536.6	175.1	125.3	84.0

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, 2014-2018



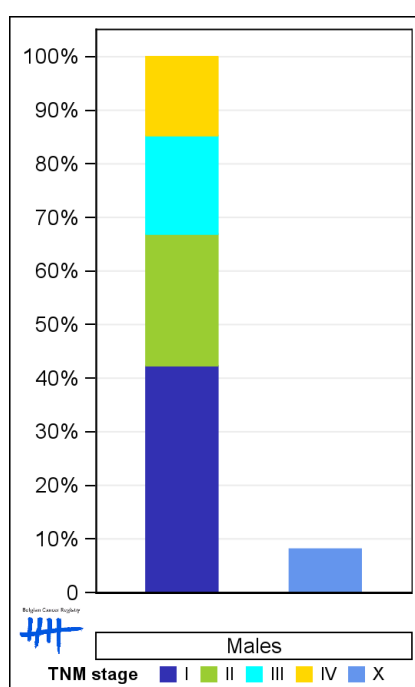
### 1.3. Combined stage

**Table 3:** Prostate Cancer: Distribution of combined stage, Belgium 2018

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Males</b>							
N	3,811	2,215	1,654	1,324	793	3	9,800
%	38.9	22.6	16.9	13.5	8.1	<0.1	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 2018



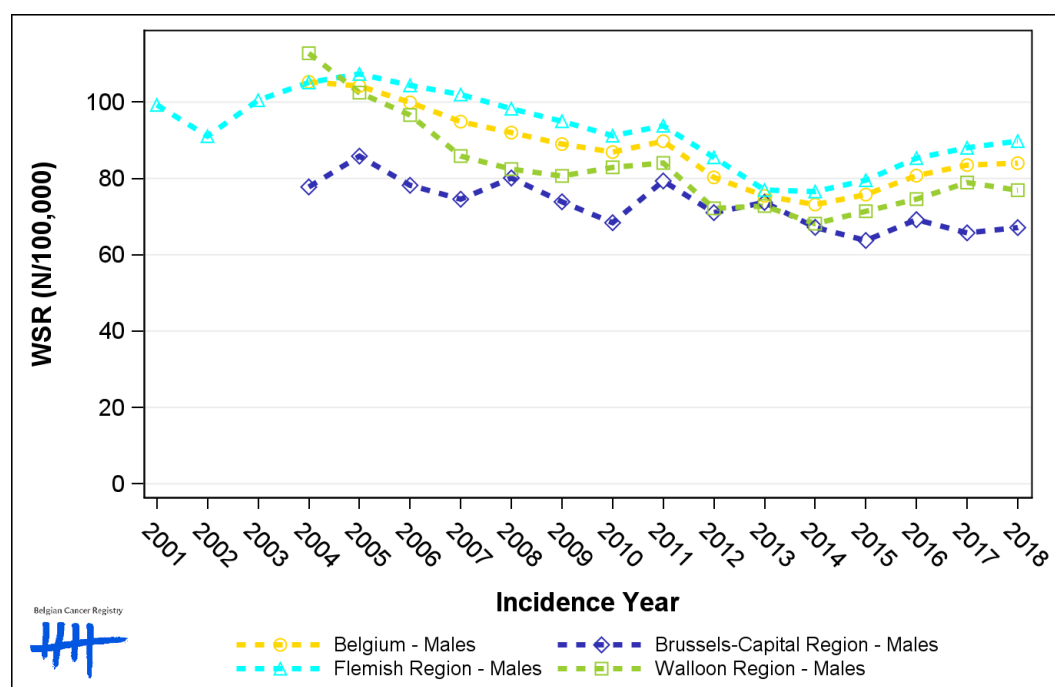
## 1.4. Trends in incidence

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

Males	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
<b>Belgium</b>	<b>105.3</b>	<b>104.2</b>	<b>99.9</b>	<b>94.9</b>	<b>92.0</b>	<b>89.0</b>	<b>86.9</b>	<b>89.8</b>	<b>80.3</b>	<b>75.4</b>	<b>73.2</b>	<b>75.8</b>	<b>80.7</b>	<b>83.5</b>	<b>84.0</b>	<b>-1.6</b>	<b>[-2.0; -1.3]</b>
Brussels-Capital Region	77.8	85.9	78.2	74.6	80.1	73.9	68.4	79.3	71.0	73.7	67.2	63.7	69.2	65.7	67.1	-1.5	[-2.2; -0.9]
Flemish Region	105.1	107.4	104.4	102.0	98.3	95.0	91.2	93.8	85.5	77.0	76.6	79.5	85.3	88.0	89.8	-1.2	[-1.6; -0.7]
Walloon Region	112.8	102.5	96.6	85.9	82.5	80.6	82.9	84.1	72.2	72.8	68.1	71.4	74.6	78.9	76.9	-2.5	[-3.2; -1.9]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2004-2018 period

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



## 1.5. Incidence by broad age groups

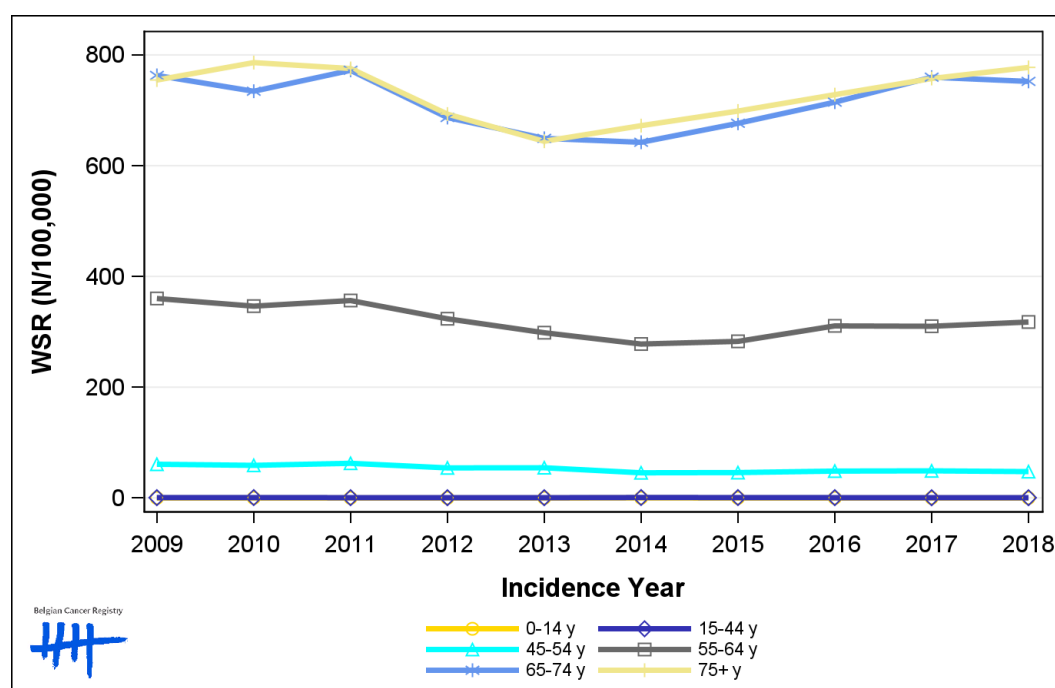
**Table 5:** Prostate Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year, Belgium

	N										WSR									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Males</b>																				
All ages	8,703	8,717	9,082	8,290	7,907	7,929	8,388	9,058	9,561	9,800	89.0	86.9	89.8	80.3	75.4	73.2	75.8	80.7	83.5	84.0
0-14 y	0	0	0	0	0	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0	<0.1	0.0	0.0	0.0	0.0
15-44 y	17	19	15	14	13	21	17	15	11	12	0.6	0.7	0.5	0.5	0.5	0.8	0.7	0.6	0.4	0.5
45-54 y	496	489	528	464	468	392	397	420	425	412	60.9	58.9	62.6	54.3	54.5	45.4	45.8	48.5	49.0	47.6
55-64 y	2,269	2,234	2,358	2,150	1,998	1,882	1,942	2,164	2,201	2,284	360.2	346.4	356.5	323.6	298.4	278.0	282.8	310.7	310.1	317.7
65-74 y	3,301	3,184	3,383	3,105	3,009	3,050	3,296	3,589	3,973	4,071	763.0	734.5	772.3	687.0	649.4	642.3	676.6	714.8	759.8	752.2
75+ y	2,620	2,791	2,798	2,557	2,419	2,583	2,736	2,870	2,951	3,021	754.7	786.2	775.5	693.2	644.2	672.3	698.7	728.3	757.5	777.5

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



Belgian Cancer Registry

## 2. Relative survival

**Table 6:** Prostate Cancer: 5-year relative survival proportion by age group and region, Belgium 2014-2018

	5-year relative survival 2014-2018 (%)		
	Males		
	N at risk	estimate	95% CI
<b>Overall</b>	44,599	95.3	[94.7, 95.9]
<b>Age group</b>			
15-59 years	6,098	96.2	[95.3, 97.1]
60-74 years	24,368	97.0	[96.3, 97.7]
75+ years	14,133	91.5	[89.8, 93.3]
<b>Region</b>			
Brussels-Capital Region	2,711	93.1	[90.3, 95.8]
Flemish Region	29,084	95.8	[95.1, 96.6]
Walloon Region	12,804	94.4	[93.1, 95.7]

**Figure 6:** Prostate Cancer: relative survival proportion, Belgium 2014-2018

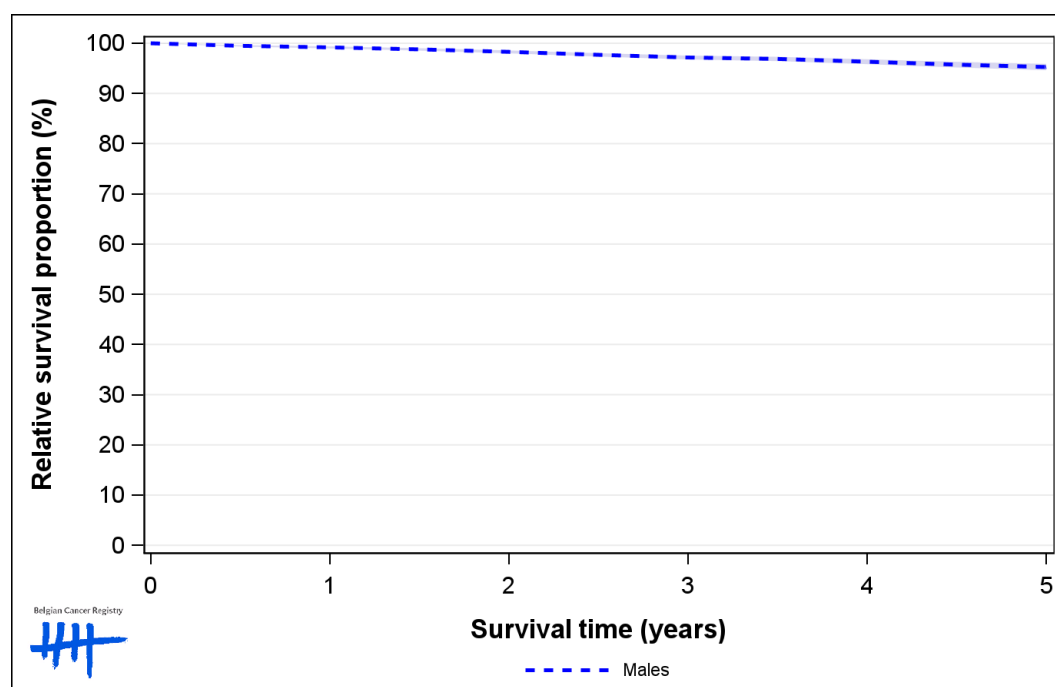


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2014-2018

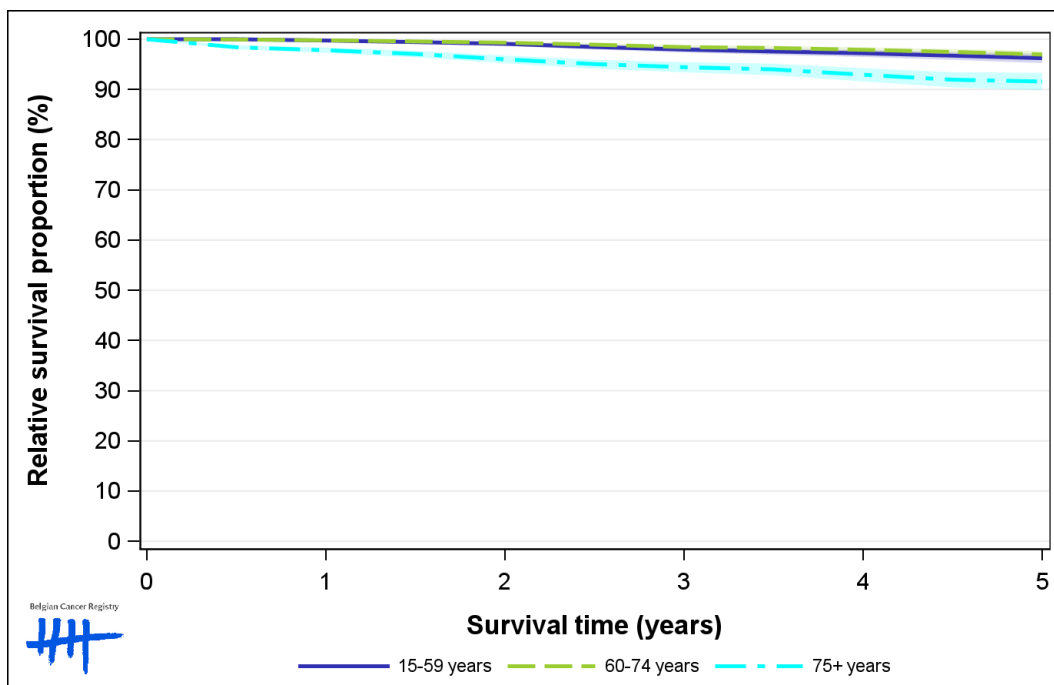


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2014-2018

