



Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

**Belgium 2019**

# 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, 2019

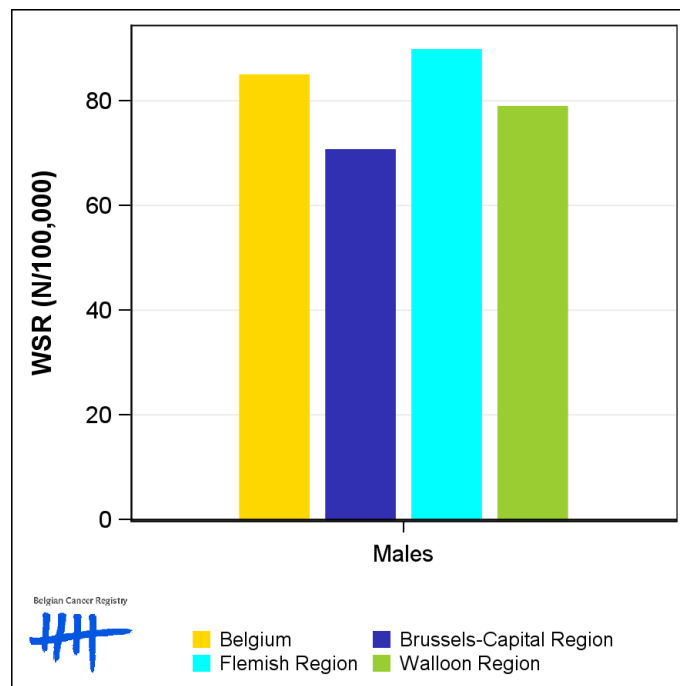
Males	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>70.3</b>	<b>10,196</b>	<b>181.2</b>	<b>127.3</b>	<b>84.9</b>	<b>10.75</b>
Brussels-Capital Region	70.3	606	102.3	106.3	70.6	9.53
Flemish Region	70.3	6,674	204.7	134.3	89.8	11.25
Walloon Region	70.0	2,916	164.2	118.6	78.9	10.10

CR=Crude (all ages) Rate (N/100,000 person-years)  
 ESR (1976)=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 (%)

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**Figure 1:** Prostate Cancer: Age-standardised incidence rates by region, 2019



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■ 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 2019

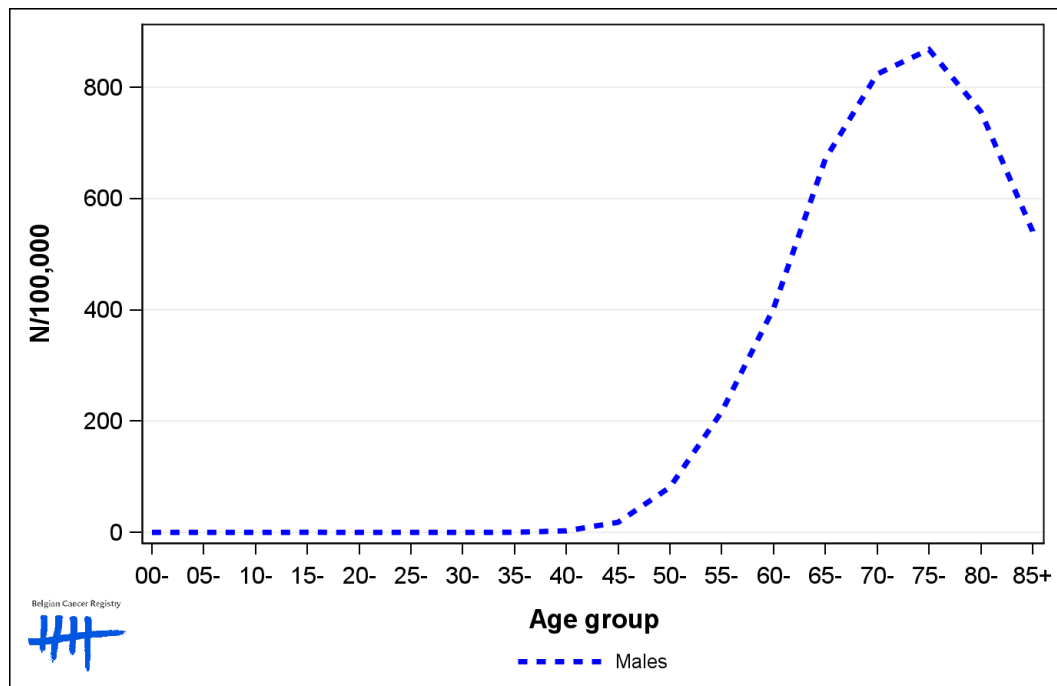
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	12.2	79.8	227.7	422.1	688.0	843.9	976.6	817.4	550.0	181.2	127.3	84.9

CR=Crude (all ages) Rate (N/100,000 person-years)

ESR (1976)=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, 2015-2019



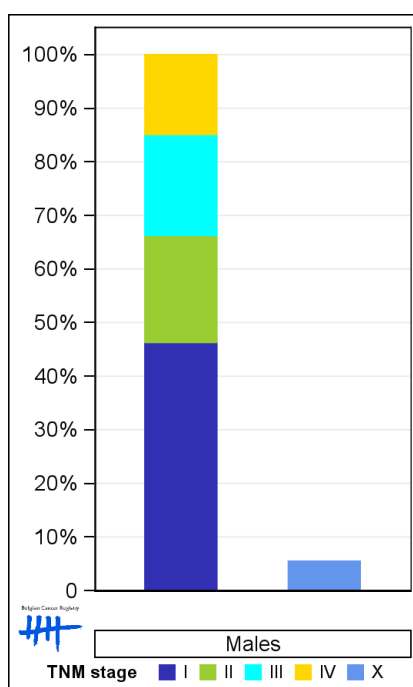
### 1.3. Combined stage

**Table 3:** Prostate Cancer: Distribution of combined stage, Belgium 2019

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Males</b>							
N	4,463	1,928	1,815	1,431	557	2	10,196
%	43.8	18.9	17.8	14.0	5.5	<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 2019



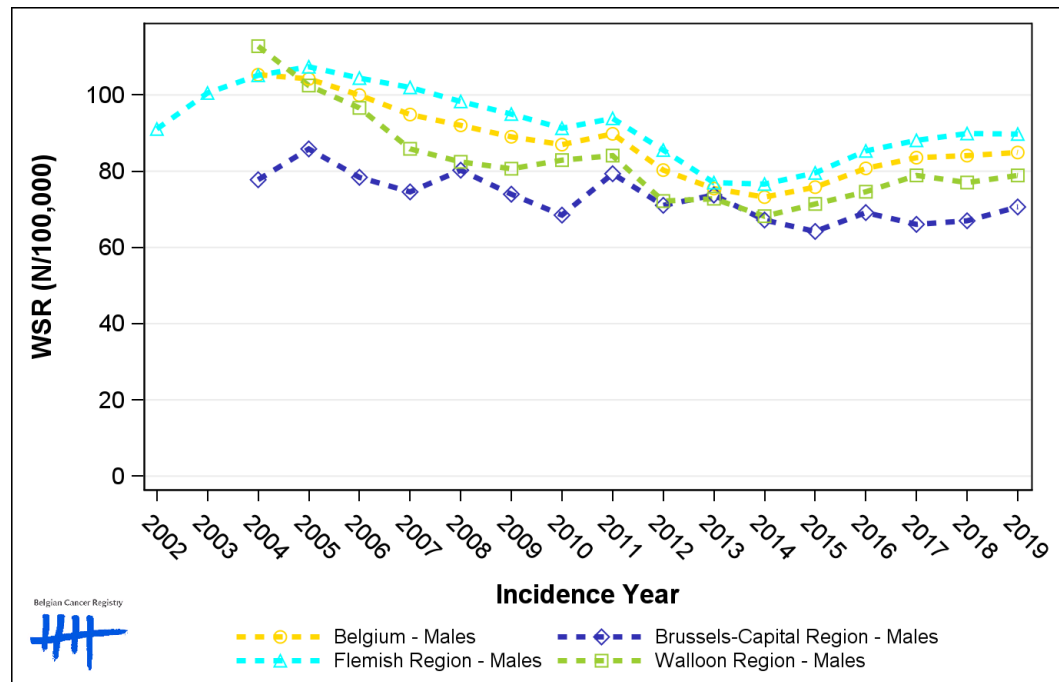
## 1.4. Trends in incidence

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

Males	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
<b>Belgium</b>	<b>104.2</b>	<b>100.0</b>	<b>94.9</b>	<b>92.0</b>	<b>89.0</b>	<b>87.0</b>	<b>89.8</b>	<b>80.3</b>	<b>75.5</b>	<b>73.2</b>	<b>75.8</b>	<b>80.7</b>	<b>83.6</b>	<b>84.1</b>	<b>84.9</b>	<b>-1.3</b>	<b>[-1.6; -0.9]</b>
Brussels-Capital Region	85.9	78.4	74.6	80.3	74.0	68.5	79.3	71.0	73.8	67.2	64.2	69.2	66.1	67.0	70.6	-1.4	[-2.1; -0.7]
Flemish Region	107.4	104.4	102.0	98.3	95.0	91.3	93.9	85.5	77.0	76.6	79.6	85.3	88.1	89.9	89.8	-1.2	[-1.6; -0.8]
Walloon Region	102.5	96.6	85.9	82.5	80.6	82.9	84.1	72.2	72.8	68.2	71.4	74.6	78.9	77.0	78.9	-1.4	[-1.9; -0.8]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2005-2019 period

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



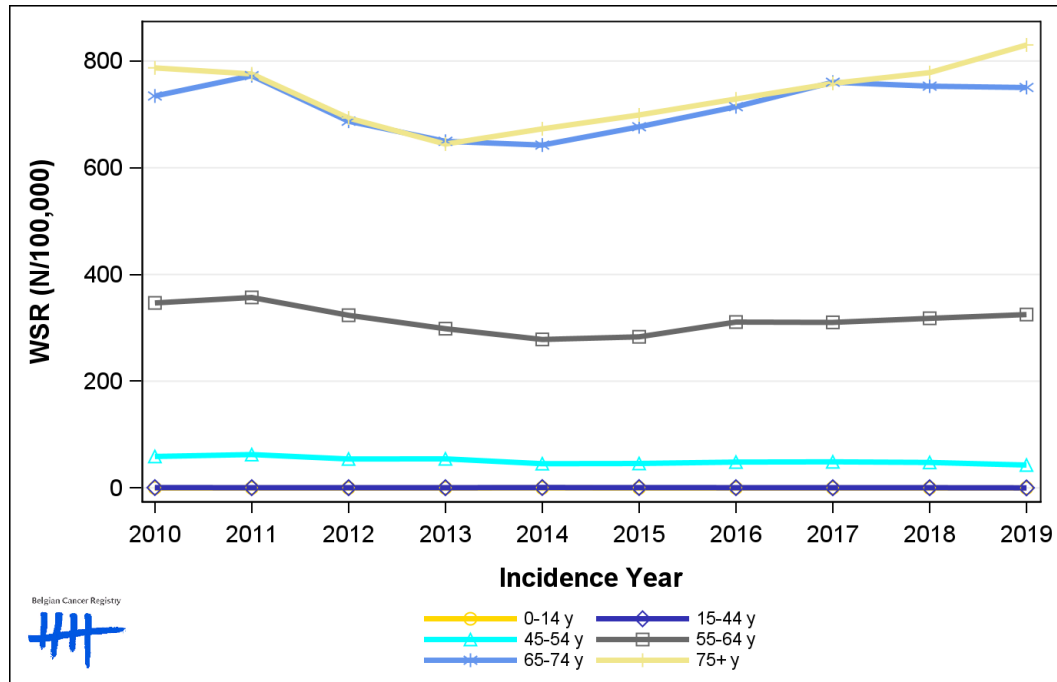
## 1.5. Incidence by broad age groups

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

	N										WSR									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Males</b>																				
All ages	8,723	9,087	8,291	7,909	7,935	8,393	9,059	9,567	9,810	10,196	87.0	89.8	80.3	75.5	73.2	75.8	80.7	83.6	84.1	84.9
0-14 y	0	0	0	0	1	0	0	0	0	0	0.0	0.0	0.0	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
15-44 y	19	15	14	13	21	17	15	11	12	5	0.7	0.5	0.5	0.5	0.8	0.7	0.6	0.4	0.5	0.2
45-54 y	490	528	464	468	392	397	420	425	414	372	59.0	62.6	54.3	54.5	45.4	45.8	48.5	49.0	47.8	42.9
55-64 y	2,236	2,361	2,150	1,998	1,884	1,945	2,165	2,202	2,285	2,378	346.7	357.0	323.6	298.4	278.3	283.2	310.9	310.2	317.9	324.9
65-74 y	3,184	3,384	3,106	3,010	3,051	3,297	3,587	3,975	4,075	4,163	734.5	772.5	687.2	649.6	642.5	676.8	714.4	760.3	752.9	750.4
75+ y	2,794	2,799	2,557	2,420	2,586	2,737	2,872	2,954	3,024	3,278	787.2	775.8	693.2	644.5	672.9	699.0	728.9	758.2	778.3	830.1

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 2015-2019

	5-year relative survival 2015-2019 (%)		
	Males		
	N at risk	estimate	95% CI
<b>Overall</b>	46,890	97.5	[96.9, 98.1]
<b>Age group</b>			
15-59 years	6,248	96.8	[95.9, 97.6]
60-74 years	25,804	98.7	[98.0, 99.3]
75+ years	14,838	95.9	[94.1, 97.6]
<b>Region</b>			
Brussels-Capital Region	2,775	95.2	[92.3, 97.9]
Flemish Region	30,673	97.6	[96.9, 98.3]
Walloon Region	13,442	97.7	[96.4, 98.9]

**Figure 6:** Prostate Cancer: relative survival proportion, Belgium 2015-2019

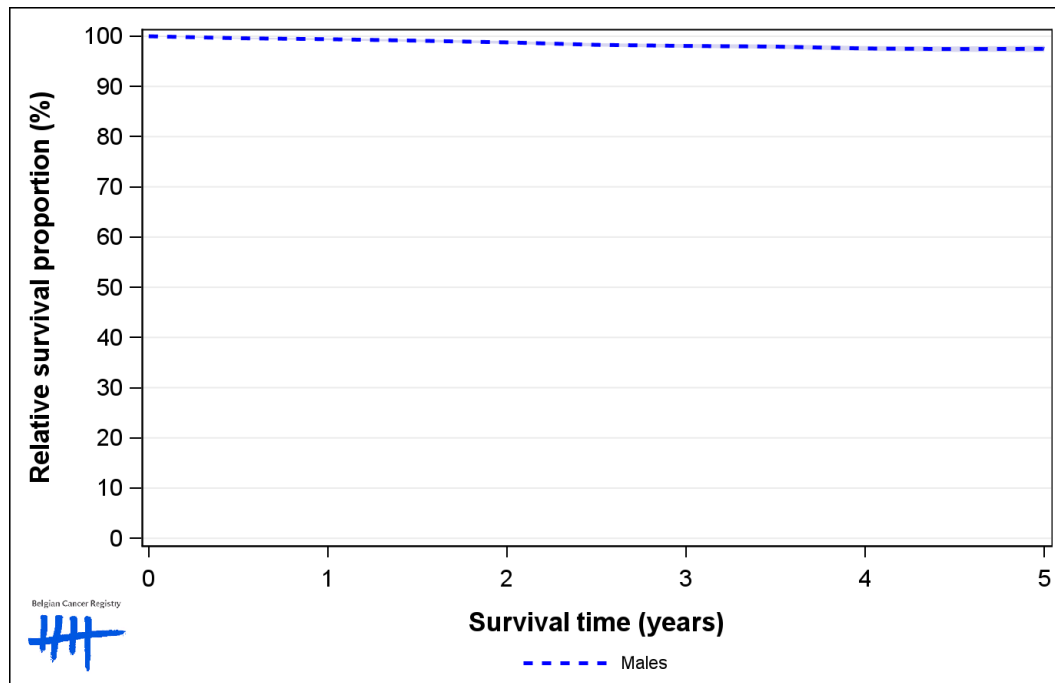


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2015-2019

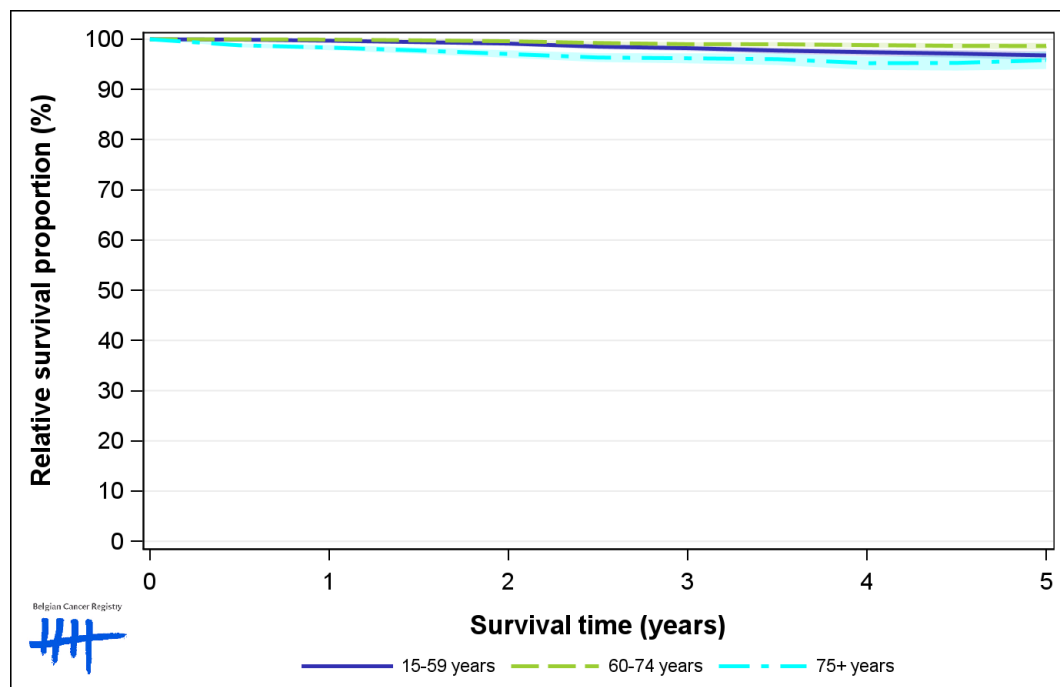


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2015-2019

