

Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

Belgium 2020

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

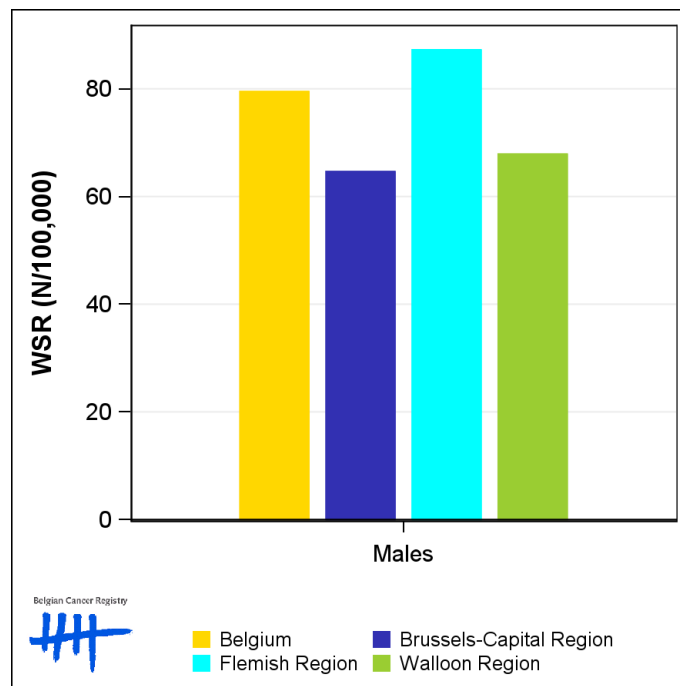
Table 1: Prostate Cancer: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by region, 2020

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.2	9,706	171.5	119.1	79.5	10.20
Brussels-Capital Region	70.0	559	93.5	97.2	64.6	8.60
Flemish Region	70.3	6,590	200.9	130.3	87.3	11.12
Walloon Region	70.1	2,557	143.5	102.0	67.9	8.80

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 (%)



Figure 1: Prostate Cancer: Age-standardised incidence rates by region, 2020



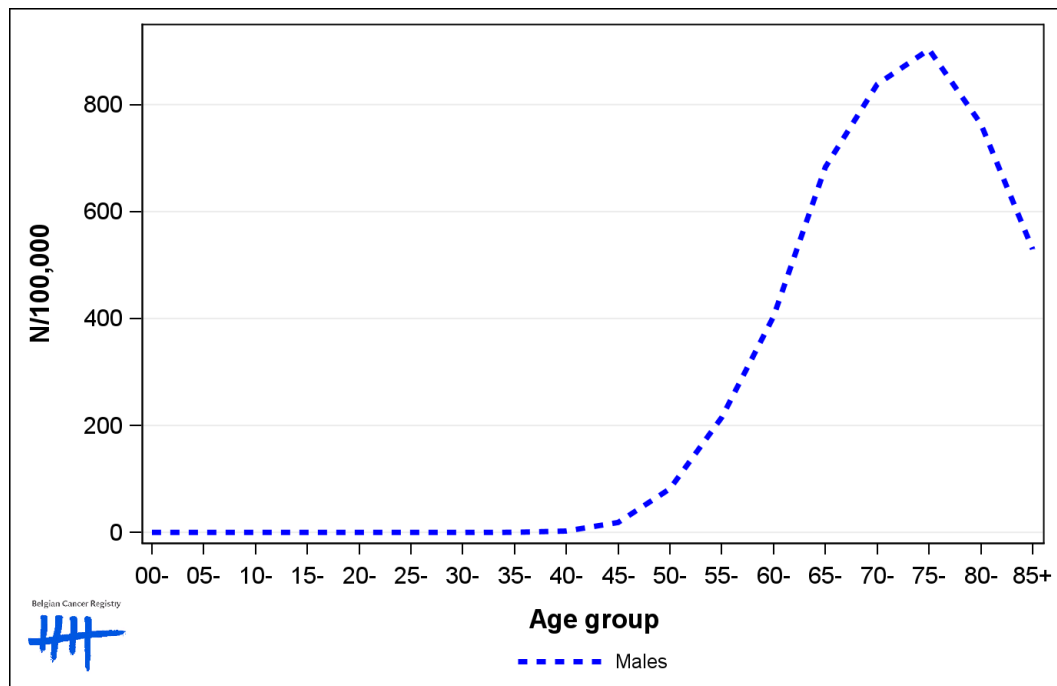
1.2. Age-specific incidence rates

Table 2: Prostate Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR), Belgium 2020

	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	2.2	20.6	77.6	189.1	366.9	674.1	820.9	932.8	741.6	468.9	171.5	119.1	79.5

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, 2016-2020



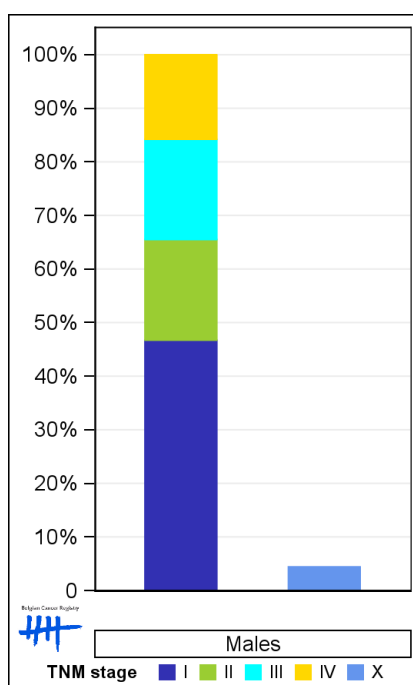
1.3. Combined stage

Table 3: Prostate Cancer: Distribution of combined stage, Belgium 2020

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	4,335	1,742	1,734	1,464	428	3	9,706
%	44.7	17.9	17.9	15.1	4.4	<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 2020



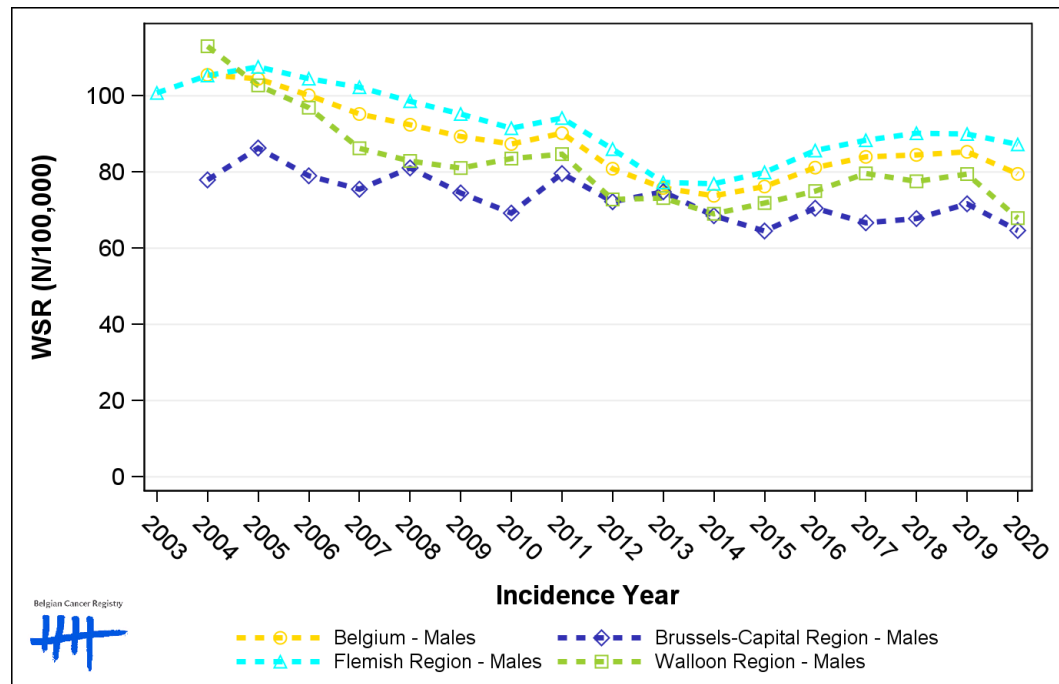
1.4. Trends in incidence

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

Males	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	AAPC	95% CI
Belgium	100.1	95.2	92.4	89.3	87.4	90.2	80.9	75.8	73.8	76.2	81.1	84.0	84.5	85.3	79.5	-1.1	[-1.6; -0.7]
Brussels-Capital Region	79.0	75.5	81.1	74.5	69.2	79.6	72.2	74.8	68.5	64.5	70.5	66.7	67.8	71.7	64.6	-1.2	[-1.9; -0.6]
Flemish Region	104.5	102.3	98.6	95.2	91.5	94.2	86.0	77.3	76.9	79.9	85.6	88.3	90.2	90.0	87.3	-1.0	[-1.5; -0.6]
Walloon Region	96.9	86.2	82.9	81.0	83.5	84.7	72.8	73.2	69.0	71.9	75.0	79.6	77.5	79.5	67.9	-1.4	[-2.2; -0.7]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2006-2020 period

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



1.5. Incidence by broad age groups

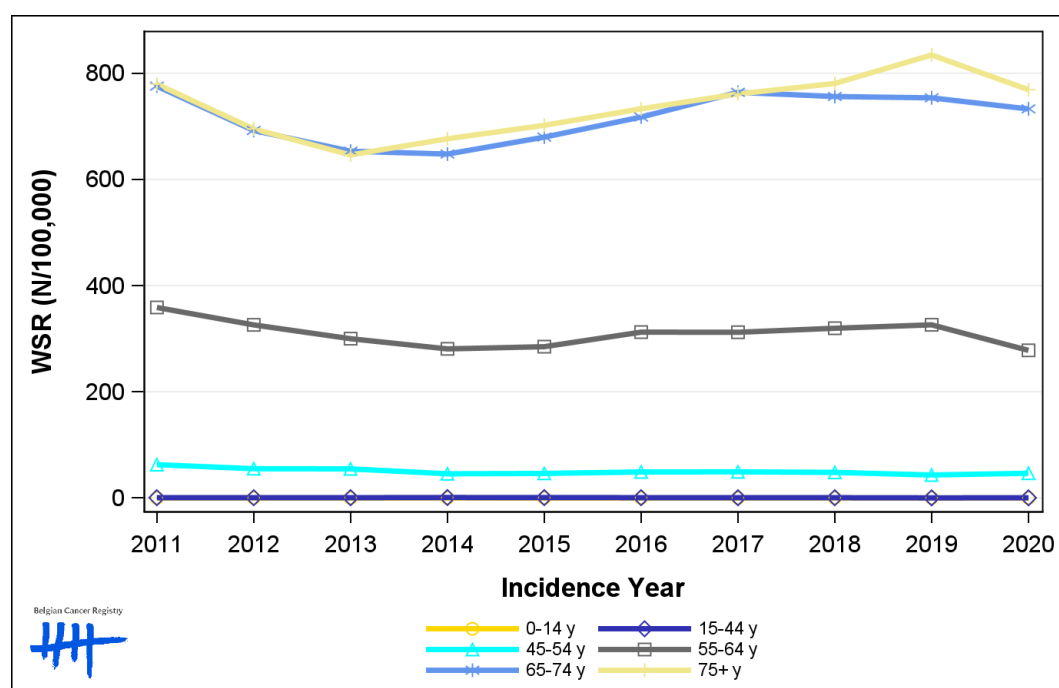
Table 5: Prostate Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year, Belgium

	N										WSR									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Males																				
All ages	9,127	8,343	7,945	7,991	8,434	9,105	9,613	9,853	10,244	9,706	90.2	80.9	75.8	73.8	76.2	81.1	84.0	84.5	85.3	79.5
0-14 y	0	0	0	1	0	0	0	0	0	0	0.0	0.0	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.0
15-44 y	15	14	13	21	17	15	11	12	5	8	0.5	0.5	0.5	0.8	0.7	0.6	0.4	0.5	0.2	0.3
45-54 y	529	471	470	393	400	424	427	417	375	391	62.7	55.1	54.8	45.6	46.2	48.9	49.2	48.2	43.3	46.5
55-64 y	2,373	2,166	2,009	1,901	1,957	2,175	2,215	2,298	2,387	2,067	358.8	326.0	300.0	280.8	284.9	312.4	312.1	319.7	326.1	278.0
65-74 y	3,398	3,128	3,027	3,076	3,311	3,603	3,995	4,092	4,182	4,154	775.6	692.2	653.2	647.8	679.7	717.5	764.1	756.2	753.7	732.8
75+ y	2,812	2,564	2,426	2,599	2,749	2,888	2,965	3,034	3,295	3,086	779.5	695.1	646.2	676.6	702.0	733.1	761.0	780.8	834.5	769.0

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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0-14 y 15-44 y
45-54 y 55-64 y
65-74 y 75+ y

2. Relative survival

Table 6: Prostate Cancer: 5-year relative survival proportion by age group and region, Belgium 2016-2020

	5-year relative survival 2016-2020 (%)		
	Males		
	N at risk	estimate	95% CI
Overall	48,362	98.4	[97.8, 99.0]
Age group			
15-59 years	6,265	97.6	[96.8, 98.3]
60-74 years	26,865	99.0	[98.4, 99.6]
75+ years	15,232	97.8	[96.0, 99.4]
Region			
Brussels-Capital Region	2,844	97.0	[94.2, 99.6]
Flemish Region	31,901	98.4	[97.7, 99.1]
Walloon Region	13,617	98.6	[97.4, 99.7]

Figure 6: Prostate Cancer: relative survival proportion, Belgium 2016-2020

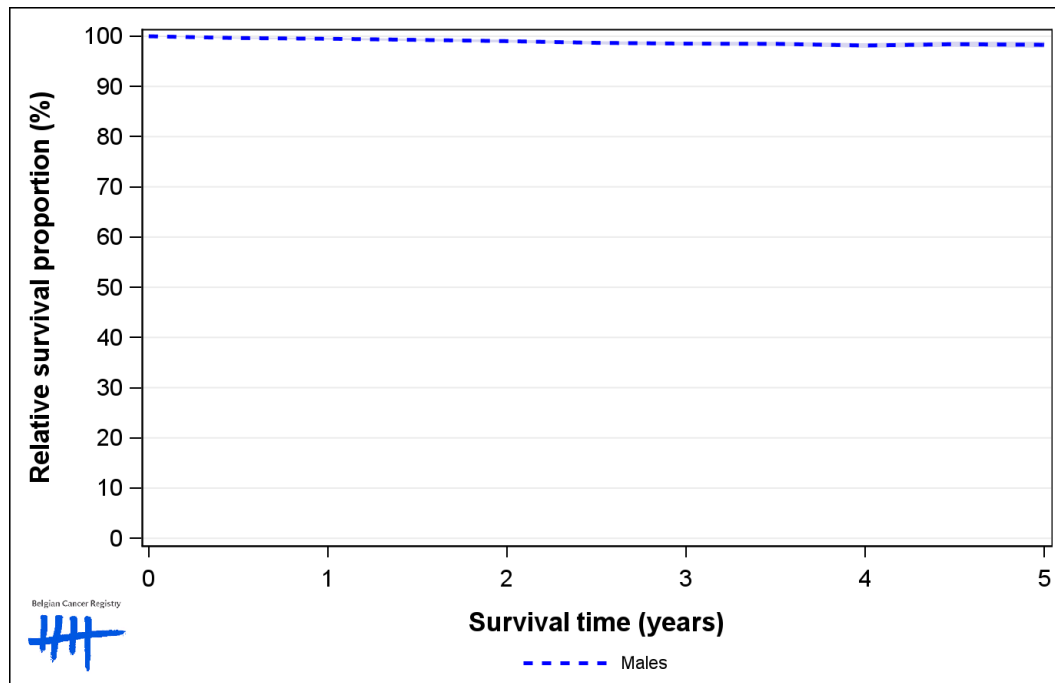


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2016-2020

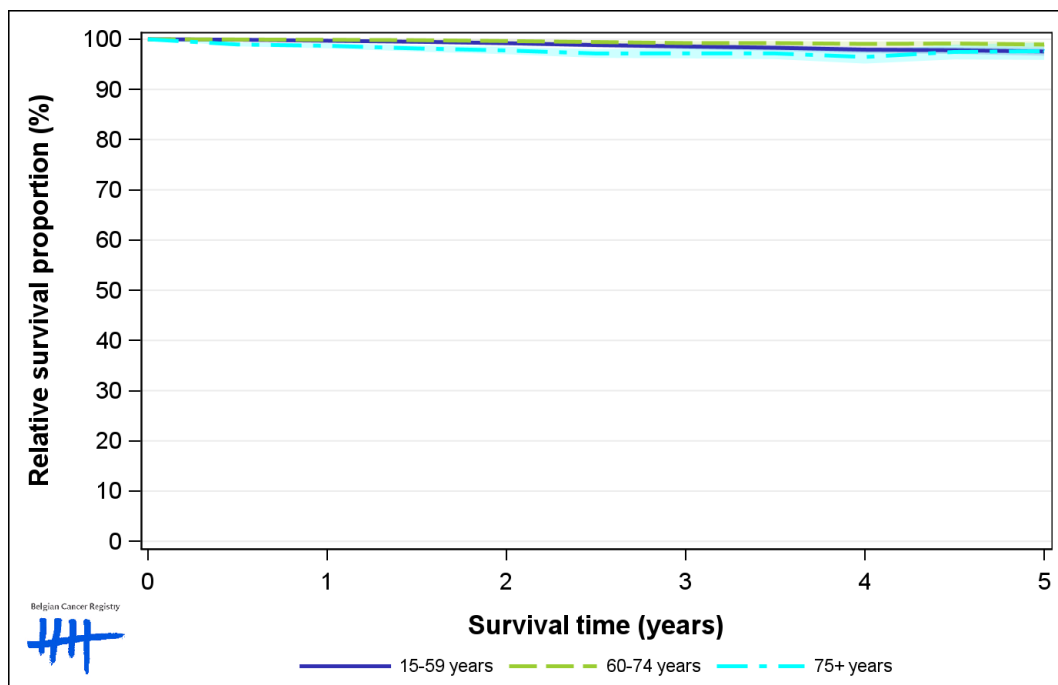


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2016-2020

