

Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

Belgium 2021

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, 2021

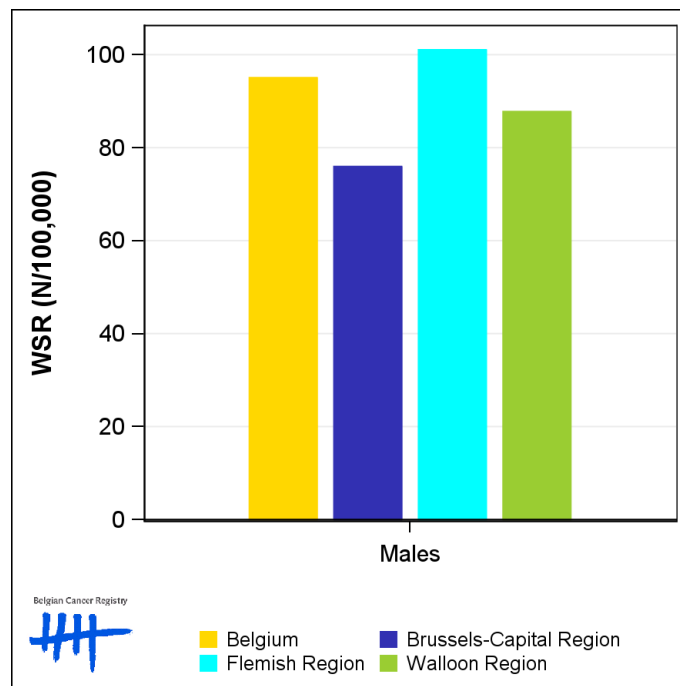
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.2	11,774	207.4	142.5	95.1	11.92
Brussels-Capital Region	69.9	664	110.8	114.1	75.9	9.64
Flemish Region	70.4	7,794	236.6	151.5	101.1	12.65
Walloon Region	69.9	3,316	185.8	131.4	87.8	11.03

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, 2021



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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 2021

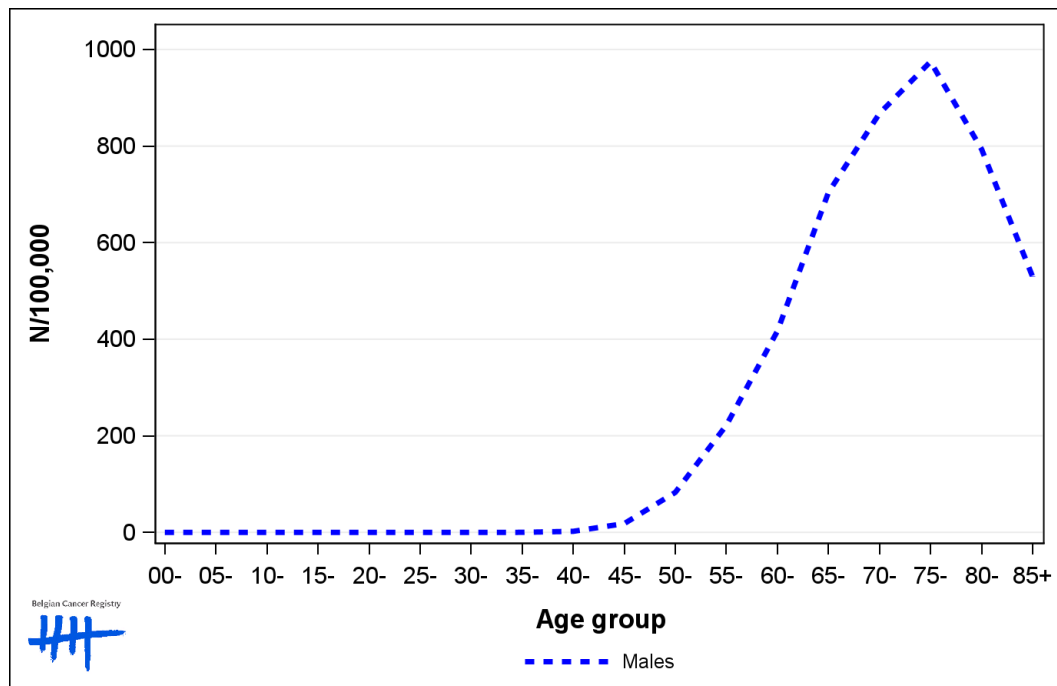
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.1	19.7	88.2	247.8	471.8	764.0	944.7	1,155.5	898.5	534.1	207.4	142.5	95.1

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, 2017-2021



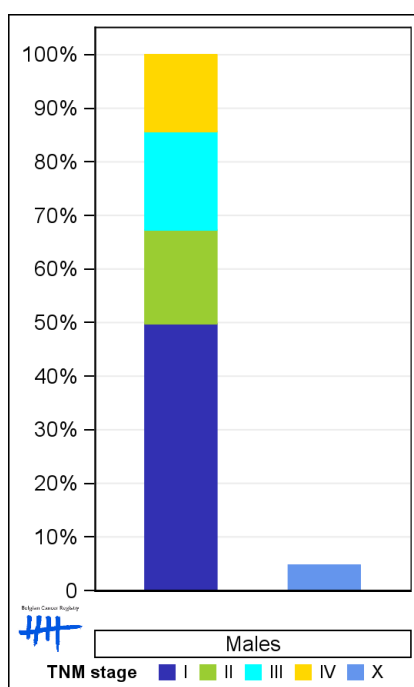
1.3. Combined stage

Table 3: Prostate Cancer: Distribution of combined stage, Belgium 2021

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	5,585	1,963	2,060	1,608	557	1	11,774
%	47.4	16.7	17.5	13.7	4.7	<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 2021



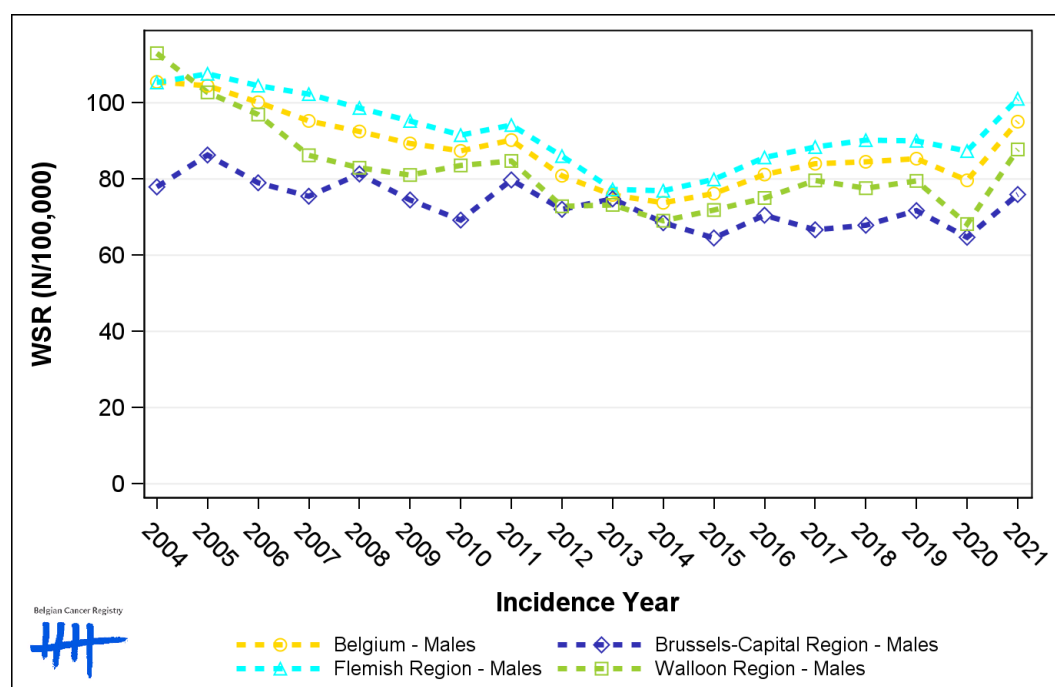
1.4. Trends in incidence

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

Males	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
Belgium	95.3	92.5	89.3	87.4	90.2	80.9	75.8	73.8	76.2	81.2	84.0	84.5	85.3	79.7	95.1	-0.5	[-1.1; 0.0]
Brussels-Capital Region	75.5	81.3	74.5	69.2	79.8	72.0	74.8	68.5	64.5	70.5	66.7	67.9	71.7	64.7	75.9	-0.8	[-1.6; -0.0]
Flemish Region	102.3	98.6	95.2	91.5	94.2	86.0	77.3	76.9	79.9	85.7	88.4	90.2	90.0	87.3	101.1	-0.5	[-1.0; 0.0]
Walloon Region	86.2	82.9	81.0	83.6	84.7	72.8	73.2	69.0	71.9	75.0	79.6	77.6	79.5	68.2	87.8	-0.6	[-1.4; 0.2]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2007-2021 period

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



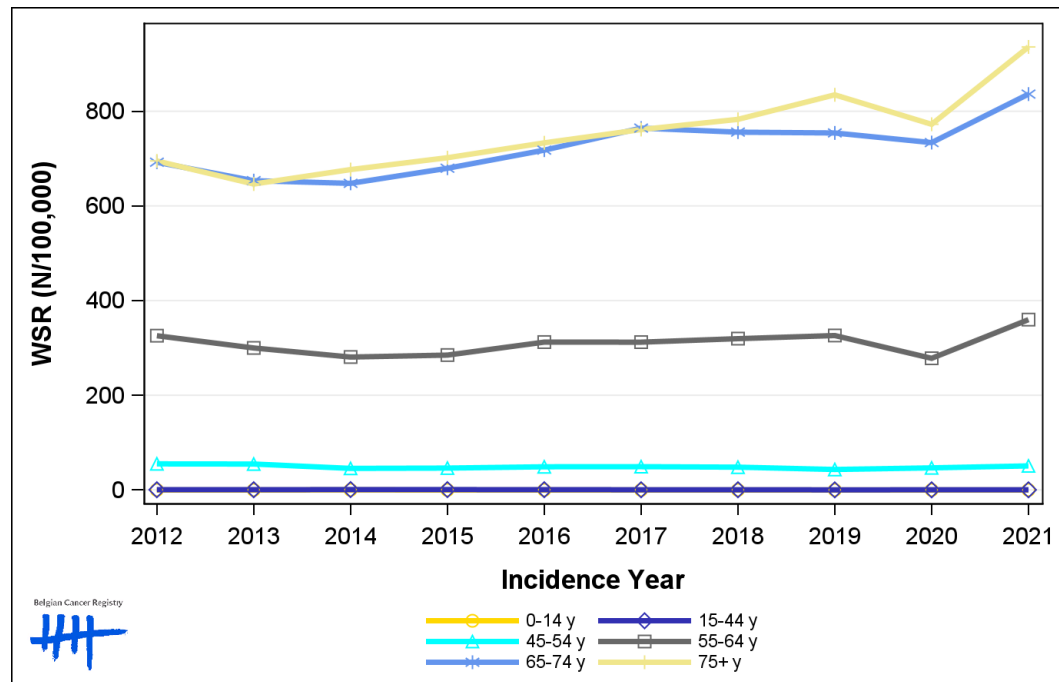
1.5. Incidence by broad age groups

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

	N											WSR									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Males																					
All ages	8,343	7,947	7,992	8,434	9,108	9,618	9,861	10,249	9,729	11,774	80.9	75.8	73.8	76.2	81.2	84.0	84.5	85.3	79.7	95.1	
0-14 y	0	0	1	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	0.0	
15-44 y	14	13	21	17	15	11	12	5	8	9	0.5	0.5	0.8	0.7	0.6	0.4	0.5	0.2	0.3	0.3	
45-54 y	471	470	393	400	424	427	417	375	392	426	55.1	54.8	45.6	46.2	48.9	49.2	48.2	43.3	46.6	50.8	
55-64 y	2,165	2,009	1,901	1,957	2,175	2,216	2,298	2,388	2,068	2,713	325.8	300.0	280.8	284.9	312.4	312.2	319.6	326.3	278.1	359.8	
65-74 y	3,129	3,028	3,076	3,311	3,605	3,997	4,091	4,185	4,160	4,845	692.4	653.4	647.8	679.7	717.9	764.5	756.0	754.2	733.9	836.3	
75+ y	2,564	2,427	2,600	2,749	2,889	2,967	3,043	3,296	3,101	3,781	695.1	646.4	676.9	702.0	733.4	761.4	783.0	834.8	772.6	935.9	

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 2017-2021

	5-year relative survival 2017-2021 (%)		
	Males		
	N at risk	estimate	95% CI
Overall	51,080	97.8	[97.2, 98.3]
Age group			
15-59 years	6,445	97.8	[97.0, 98.5]
60-74 years	28,479	98.8	[98.3, 99.4]
75+ years	16,156	95.5	[93.9, 97.1]
Region			
Brussels-Capital Region	2,942	97.8	[95.1, 100.4]
Flemish Region	33,792	98.1	[97.4, 98.7]
Walloon Region	14,346	97.0	[95.9, 98.1]

Figure 6: Prostate Cancer: relative survival proportion, Belgium 2017-2021

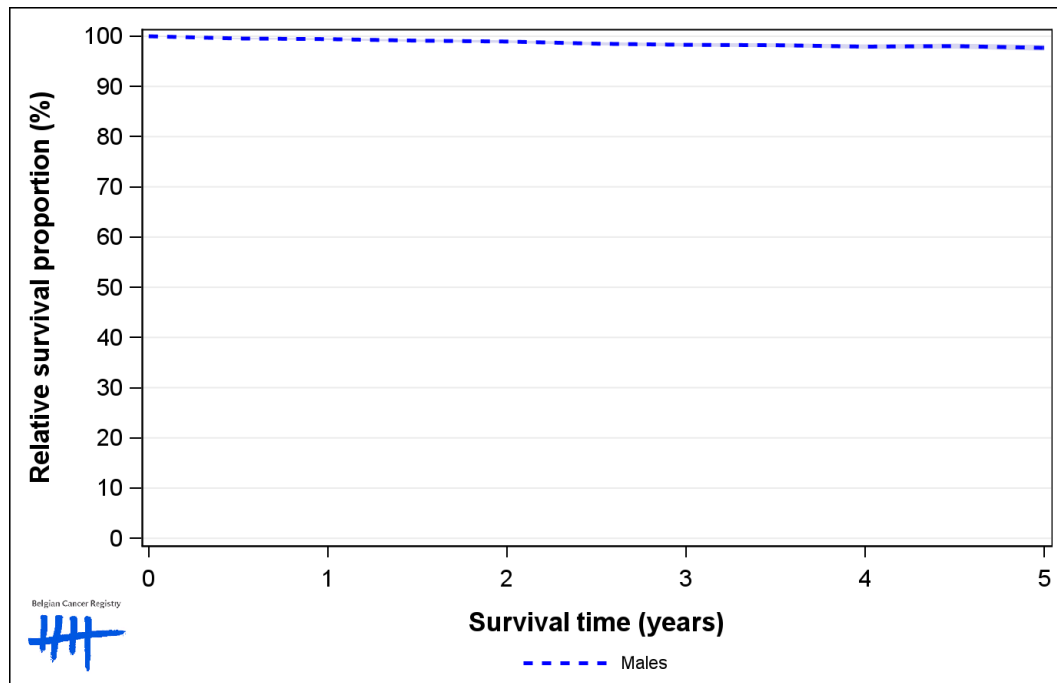


Figure 7: Prostate Cancer: relative survival proportion by age group, Belgium 2017-2021

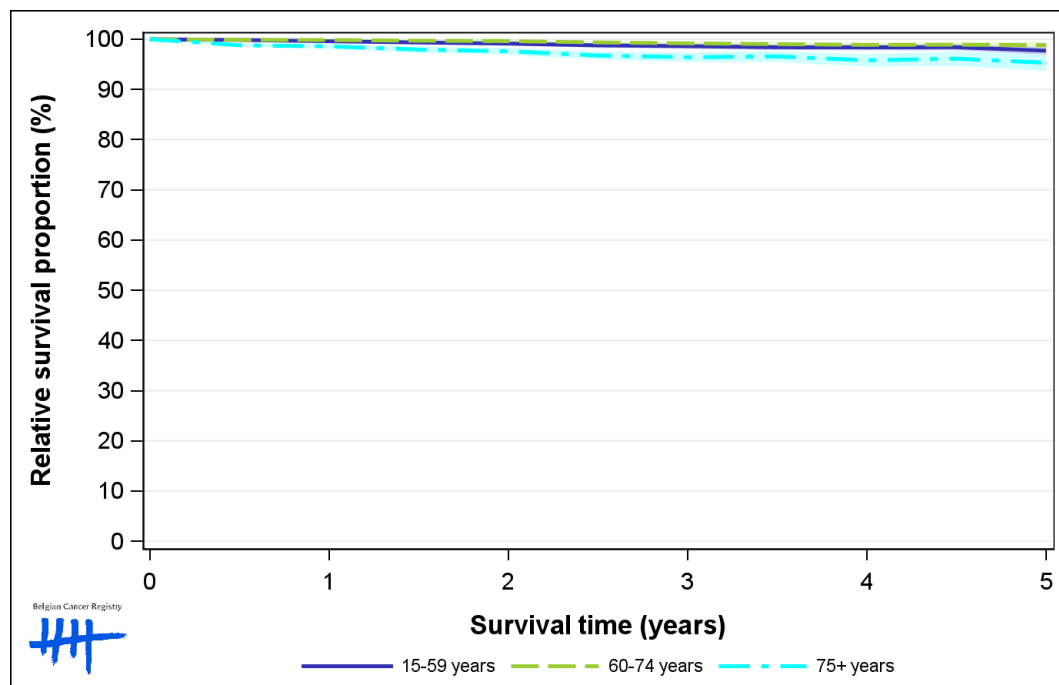


Figure 8: Prostate Cancer: relative survival proportion by region, Belgium 2017-2021

