



Belgian Cancer Registry



Cancer Fact Sheet **Prostate Cancer**

ICD10 : C61

Belgium 2022

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, 2022

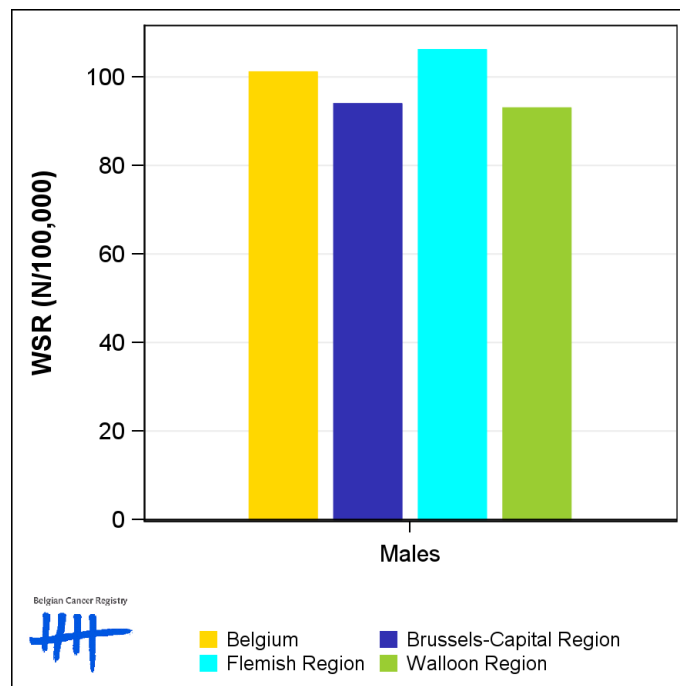
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.2	12,699	222.4	235.5	101.1	12.73
Brussels-Capital Region	69.3	828	137.9	220.7	93.9	11.87
Flemish Region	70.3	8,259	249.0	245.2	106.1	13.41
Walloon Region	70.1	3,612	201.6	219.7	93.0	11.60

CR=Crude (all ages) Rate (N/100,000 person-years)
 ESR=Age-Standardised Rate, using 2013 revised 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, 2022



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 2022

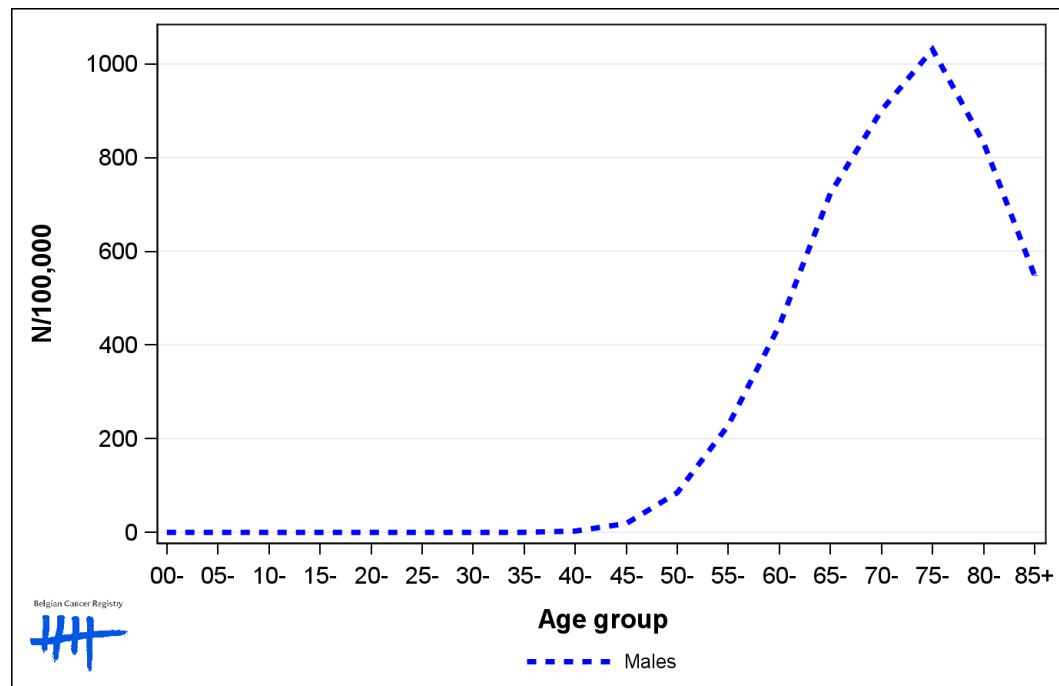
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	5.5	23.7	94.4	256.7	520.8	791.2	1,029.5	1,137.0	940.0	621.9	222.4	235.5	101.1

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

ESR (2013)=Age-Standardised Rate, using the 2013 revised 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, 2018-2022



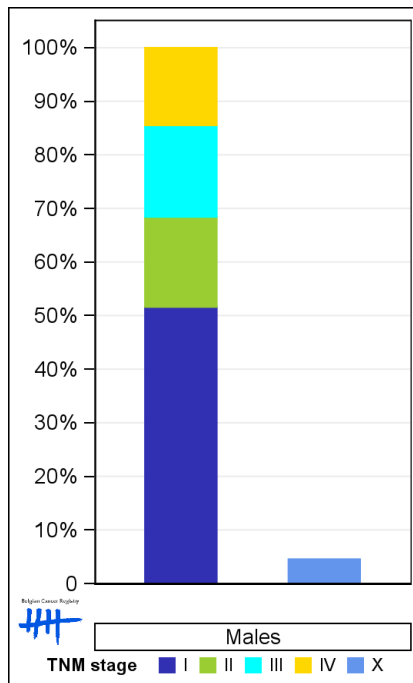
1.3. Combined stage

Table 3: Prostate Cancer: Distribution of combined stage, Belgium 2022

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	6,256	2,036	2,072	1,756	577	2	12,699
%	49.3	16.0	16.3	13.8	4.5	<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 2022



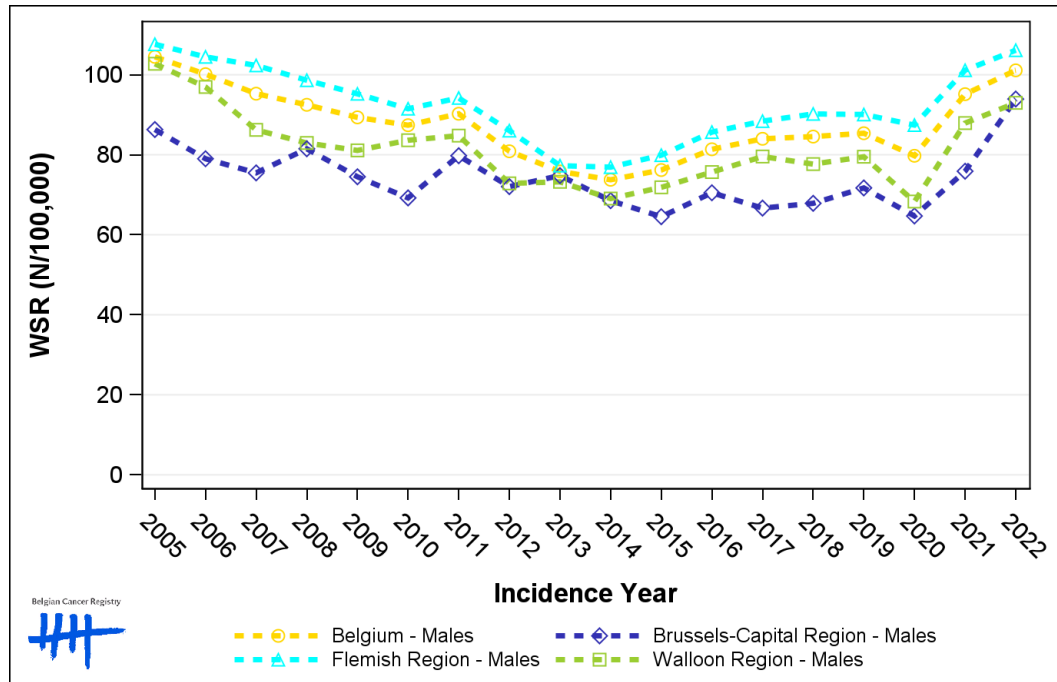
1.4. Trends in incidence

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

Males	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	92.5	89.4	87.4	90.3	80.9	75.8	73.8	76.2	81.4	84.0	84.6	85.4	79.8	95.2	101.1	0.6	[-0.1; 1.3]
Brussels-Capital Region	81.5	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	93.9	1.3	[0.5; 2.2]
Flemish Region	98.6	95.2	91.5	94.2	86.0	77.3	76.9	79.9	85.7	88.4	90.2	90.1	87.4	101.1	106.1	0.1	[-0.4; 0.7]
Walloon Region	82.9	81.1	83.6	84.8	72.8	73.2	69.0	71.9	75.7	79.6	77.7	79.5	68.3	87.9	93.0	0.1	[-0.9; 0.9]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
 AAPC = Average Annual Percentage Change over the 2008-2022 period

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



1.5. Incidence by broad age groups

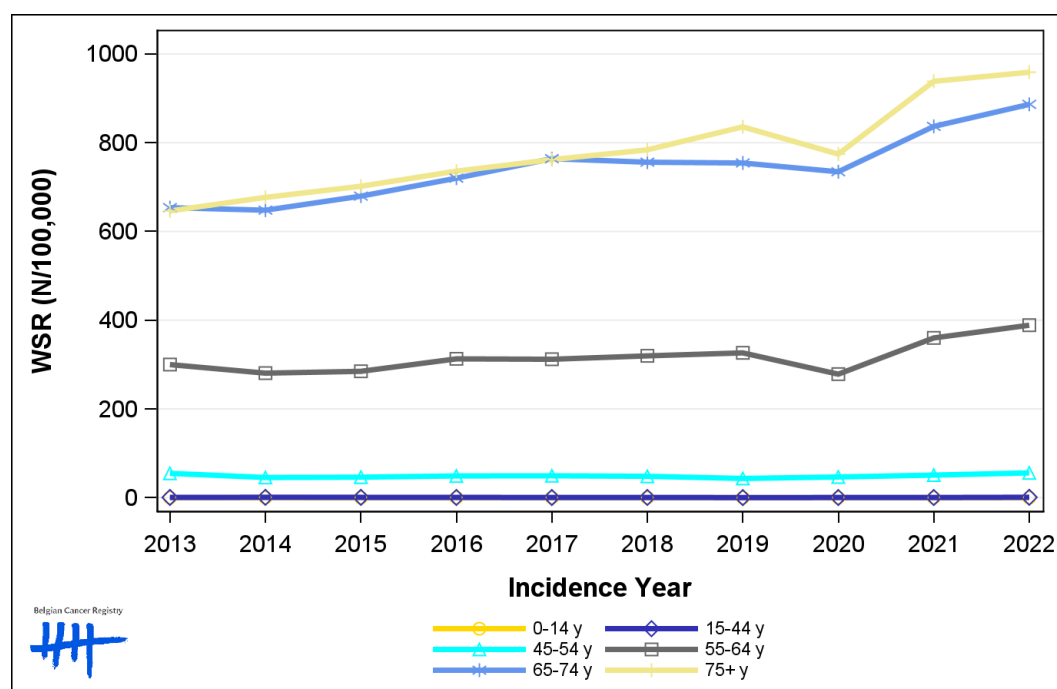
Table 5: Prostate Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year, Belgium

	N											WSR									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Males																					
All ages	7,948	7,991	8,433	9,133	9,617	9,867	10,256	9,743	11,790	12,699	75.8	73.8	76.2	81.4	84.0	84.6	85.4	79.8	95.2	101.1	
0-14 y	0	1	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	0.0	
15-44 y	13	21	17	15	11	12	5	8	9	23	0.5	0.8	0.7	0.6	0.4	0.5	0.2	0.3	0.3	0.8	
45-54 y	470	392	400	424	428	417	375	392	426	463	54.8	45.4	46.2	48.9	49.3	48.2	43.3	46.6	50.8	55.9	
55-64 y	2,009	1,900	1,956	2,179	2,214	2,298	2,389	2,070	2,715	2,959	300.0	280.7	284.8	312.9	312.0	319.6	326.4	278.4	360.1	388.7	
65-74 y	3,029	3,077	3,311	3,616	3,995	4,092	4,186	4,164	4,848	5,190	653.7	648.0	679.7	720.1	764.1	756.1	754.4	734.6	836.8	886.5	
75+ y	2,427	2,600	2,749	2,899	2,969	3,048	3,301	3,109	3,792	4,064	646.4	676.9	702.0	736.0	761.9	784.1	835.8	774.4	938.5	959.0	

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. Net survival

Table 6: Prostate Cancer: 5-year net survival by age group and region, Belgium 2018-2022

5-year net survival 2018-2022 (%)			
Males			
	N at risk	estimate	95% CI
Overall	54,246	98.6	[98.0, 99.3]
Age group			
15-59 years	6,680	98.1	[97.3, 98.8]
60-74 years	30,279	99.1	[98.6, 99.7]
75+ years	17,287	97.9	[96.1, 99.7]
Region			
Brussels-Capital Region	3,215	98.6	[95.6, 101.7]
Flemish Region	35,832	98.9	[98.2, 99.7]
Walloon Region	15,199	97.8	[96.5, 99.1]

Figure 6: Prostate Cancer: net survival, Belgium 2018-2022

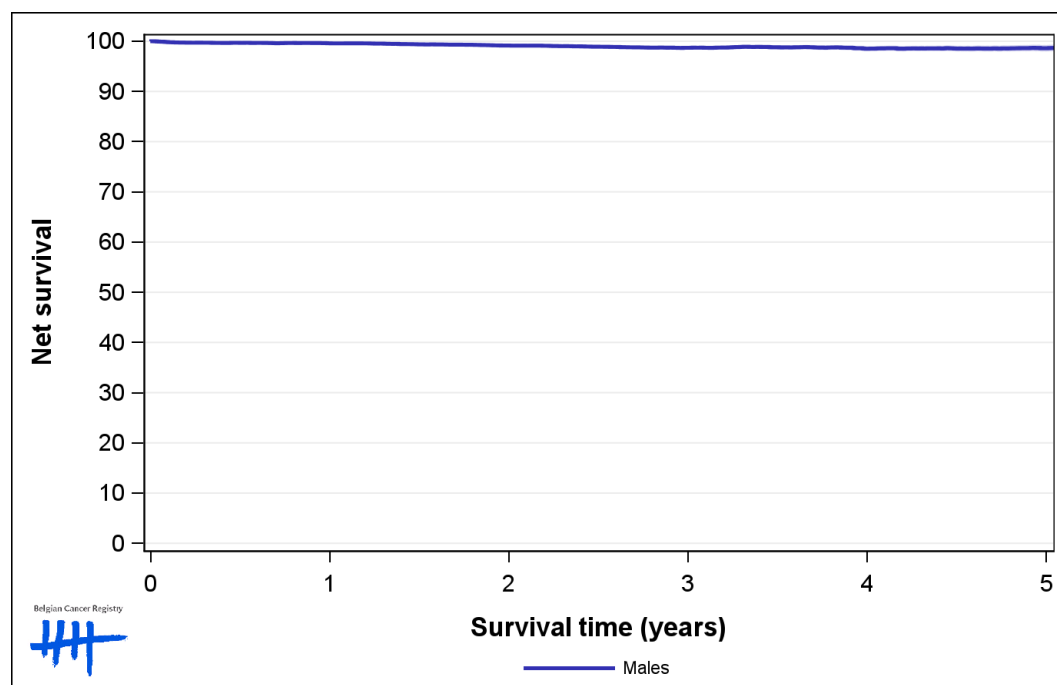


Figure 7: Prostate Cancer: net survival by age group, Belgium 2018-2022

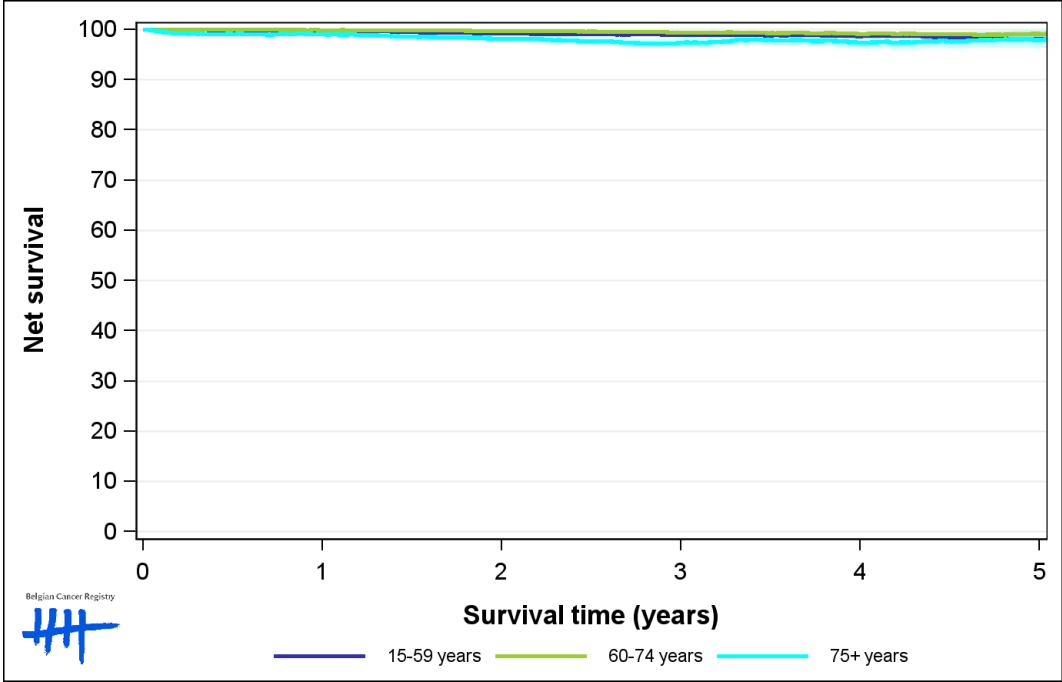


Figure 8: Prostate Cancer: net survival by region, Belgium 2018-2022

