

Belgian Cancer Registry



Cancer Fact Sheet

Lymphoid Malignancies

Belgium 2016

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Lymphoid Malignancies: Average age at diagnosis, number of new cancer diagnoses (N), crude rate (CR), age-standardised incidence rates (ESR and WSR) and cumulative risk by sex and region, 2016

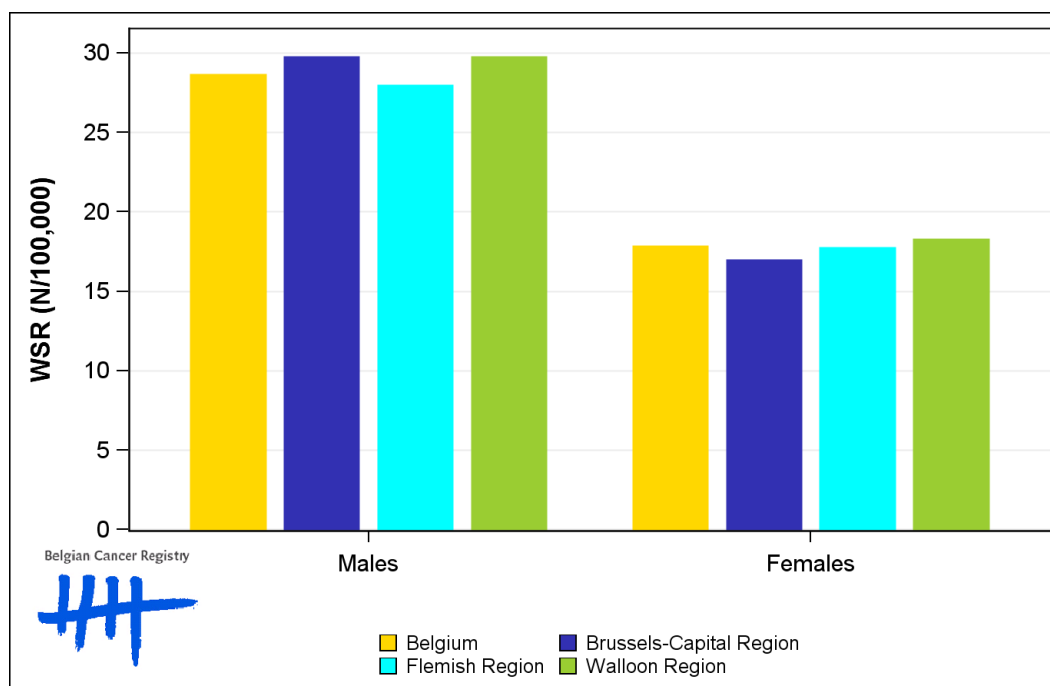
| Males | Age (years) | N | CR | ESR | WSR | CRi |
|-------------------------|-------------|--------------|-------------|-------------|-------------|-------------|
| Belgium | 64.3 | 2,729 | 49.3 | 38.4 | 28.6 | 3.06 |
| Brussels-Capital Region | 60.5 | 228 | 39.3 | 39.9 | 29.8 | 3.17 |
| Flemish Region | 65.1 | 1,629 | 50.9 | 37.5 | 28.0 | 3.04 |
| Walloon Region | 63.8 | 872 | 49.6 | 40.0 | 29.8 | 3.07 |

| Females | Age (years) | N | CR | ESR | WSR | CRi |
|-------------------------|-------------|--------------|-------------|-------------|-------------|-------------|
| Belgium | 66.3 | 1,981 | 34.6 | 23.9 | 17.9 | 1.96 |
| Brussels-Capital Region | 63.1 | 160 | 26.3 | 22.3 | 17.0 | 1.69 |
| Flemish Region | 67.0 | 1,179 | 36.0 | 23.8 | 17.7 | 1.97 |
| Walloon Region | 65.9 | 642 | 34.8 | 24.3 | 18.3 | 1.99 |

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 (%)



Figure 1: Lymphoid Malignancies: Age-standardised incidence rates by sex and region, 2016



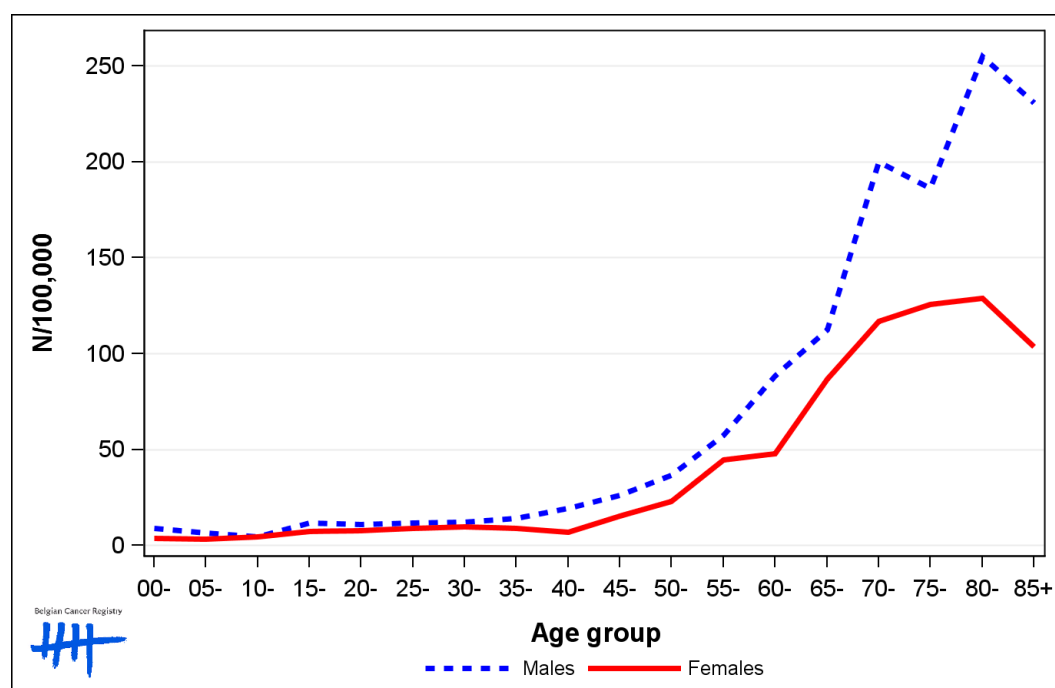
1.2. Age-specific incidence rates

Table 2: Lymphoid Malignancies: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2016

| | 00- | 05- | 10- | 15- | 20- | 25- | 30- | 35- | 40- | 45- | 50- | 55- | 60- | 65- | 70- | 75- | 80- | 85+ | CR | ESR | WSR |
|---------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|
| Males | 8.9 | 6.5 | 4.4 | 11.8 | 11.0 | 11.6 | 12.1 | 14.1 | 19.3 | 26.2 | 36.6 | 57.6 | 88.4 | 112.6 | 200.1 | 186.2 | 254.9 | 230.9 | 49.3 | 38.4 | 28.6 |
| Females | 3.9 | 3.4 | 4.6 | 7.5 | 7.7 | 8.8 | 9.7 | 9.0 | 6.8 | 15.2 | 23.1 | 44.7 | 47.7 | 86.6 | 116.7 | 125.8 | 128.9 | 103.6 | 34.6 | 23.9 | 17.9 |

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: Lymphoid Malignancies: Age-specific incidence rates by sex, 2016



1.3. Trends in incidence

Table 3: Lymphoid Malignancies: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

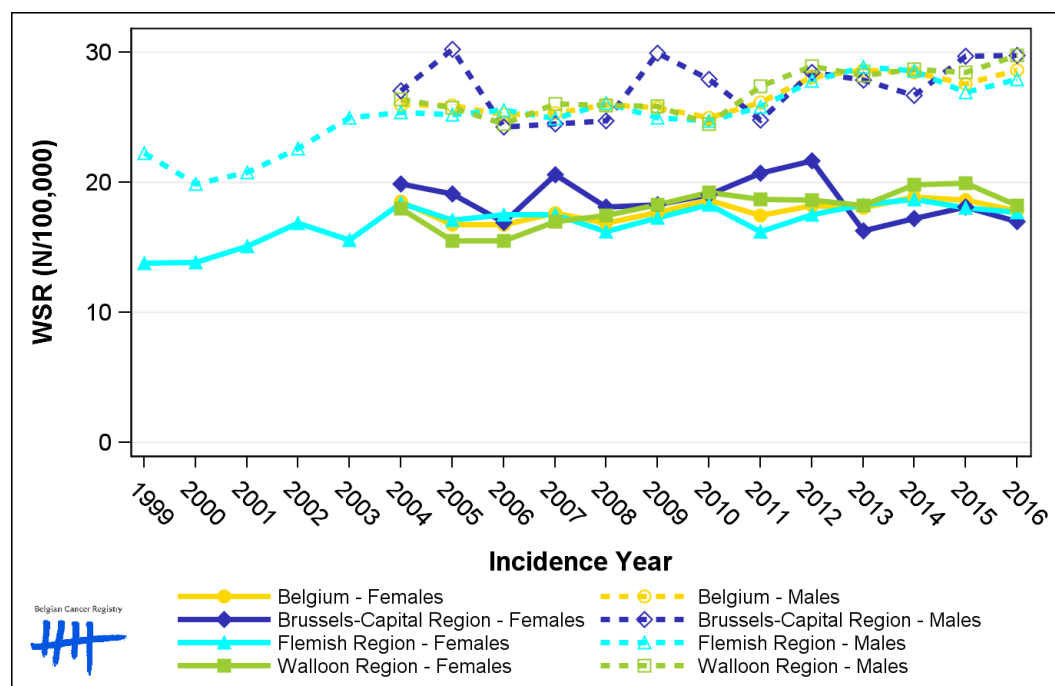
| Males | | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | AAPC | 95% CI |
|-------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|
| Belgium | | | | 26.0 | 25.9 | 25.2 | 25.4 | 26.0 | 25.7 | 25.0 | 26.2 | 28.1 | 28.6 | 28.5 | 27.6 | 28.6 | 1.0 | [0.5; 1.5] |
| Brussels-Capital Region | | | | 27.0 | 30.3 | 24.3 | 24.5 | 24.7 | 29.9 | 28.0 | 24.8 | 28.5 | 27.9 | 26.7 | 29.7 | 29.8 | 0.7 | [-0.6; 2.1] |
| Flemish Region | | 22.6 | 25.0 | 25.4 | 25.2 | 25.6 | 24.9 | 26.1 | 25.0 | 24.8 | 25.8 | 27.8 | 28.9 | 28.6 | 27.0 | 28.0 | 1.3 | [0.5; 2.1] |
| Walloon Region | | | | 26.4 | 25.8 | 24.5 | 26.0 | 25.9 | 25.9 | 24.5 | 27.4 | 28.9 | 28.2 | 28.7 | 28.4 | 29.8 | 1.2 | [0.6; 1.8] |

| Females | | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | AAPC | 95% CI |
|-------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|
| Belgium | | | | 18.5 | 16.8 | 16.8 | 17.6 | 16.9 | 17.7 | 18.7 | 17.5 | 18.3 | 18.1 | 18.9 | 18.7 | 17.9 | 0.6 | [-0.0; 1.2] |
| Brussels-Capital Region | | | | 19.9 | 19.1 | 17.0 | 20.6 | 18.1 | 18.3 | 19.1 | 20.7 | 21.7 | 16.3 | 17.2 | 18.1 | 17.0 | -0.8 | [-2.1; 0.6] |
| Flemish Region | | 16.9 | 15.6 | 18.4 | 17.1 | 17.5 | 17.5 | 16.2 | 17.3 | 18.3 | 16.2 | 17.6 | 18.3 | 18.7 | 18.0 | 17.7 | 0.6 | [-0.1; 1.2] |
| Walloon Region | | | | 18.0 | 15.5 | 15.5 | 17.0 | 17.5 | 18.3 | 19.2 | 18.7 | 18.6 | 18.2 | 19.8 | 20.0 | 18.3 | 1.5 | [0.6; 2.4] |

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

AAPC = Average Annual Percentage Change over the 2004-2016 period (except for the Flemish region : 2002-2016).

Figure 3: Lymphoid Malignancies: Age-standardised incidence rates (WSR) by incidence year, sex and region



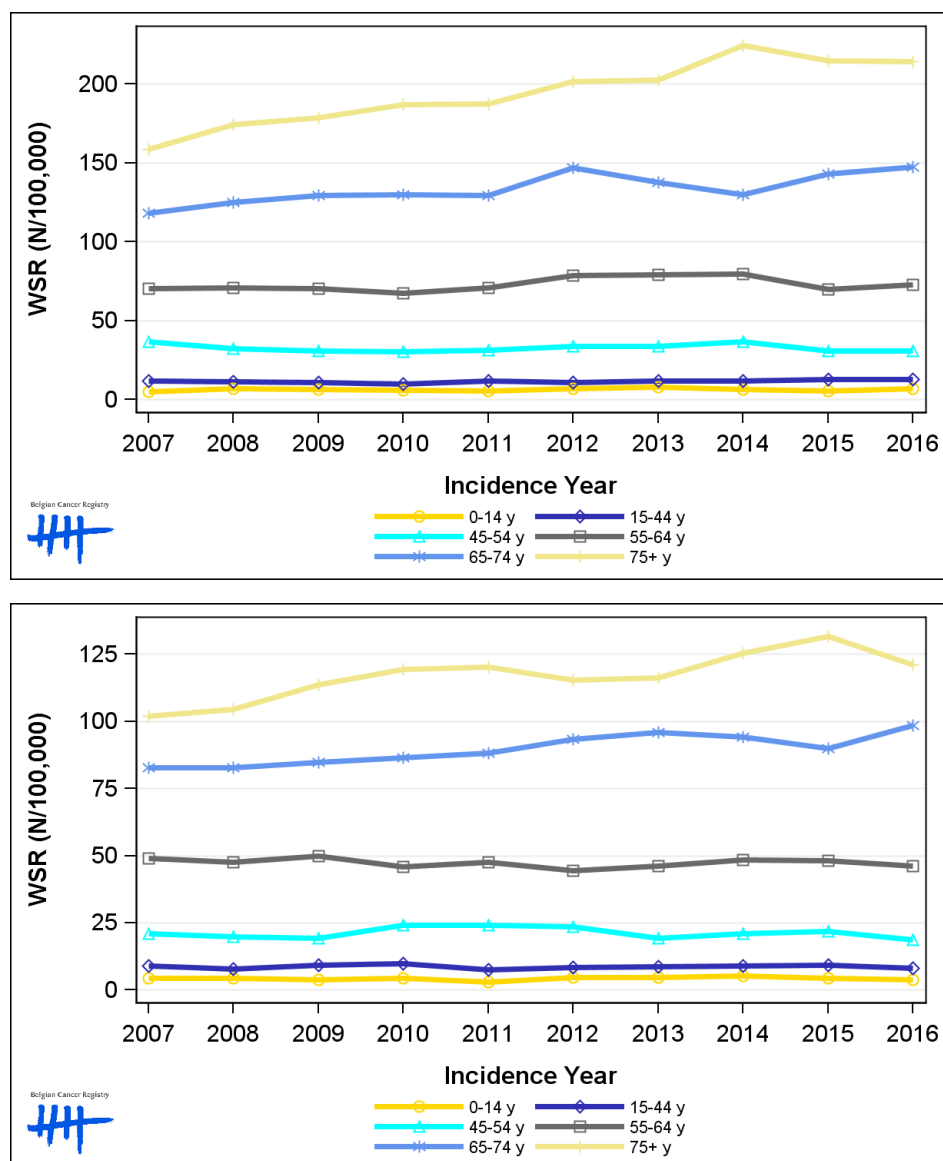
1.4. Incidence by broad age groups

Table 4: Lymphoid Malignancies: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

| | N | | | | | | | | | | WSR | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Males | | | | | | | | | | | | | | | | | | | | |
| All ages | 2,044 | 2,140 | 2,174 | 2,197 | 2,299 | 2,530 | 2,564 | 2,663 | 2,611 | 2,729 | 25.4 | 26.0 | 25.7 | 25.0 | 26.2 | 28.1 | 28.6 | 28.5 | 27.6 | 28.6 |
| 0-14 y | 44 | 63 | 60 | 55 | 53 | 64 | 75 | 64 | 55 | 65 | 4.9 | 6.8 | 6.5 | 5.8 | 5.5 | 6.9 | 8.1 | 6.7 | 5.5 | 6.8 |
| 15-44 y | 270 | 256 | 241 | 227 | 270 | 239 | 266 | 265 | 282 | 287 | 11.9 | 11.4 | 10.8 | 9.9 | 11.9 | 10.7 | 12.0 | 11.6 | 12.7 | 13.0 |
| 45-54 y | 282 | 254 | 244 | 243 | 257 | 282 | 280 | 305 | 253 | 256 | 36.6 | 32.4 | 30.8 | 30.2 | 31.4 | 33.9 | 33.7 | 36.6 | 30.8 | 30.9 |
| 55-64 y | 419 | 441 | 445 | 439 | 473 | 525 | 533 | 544 | 485 | 512 | 70.3 | 71.0 | 70.6 | 67.4 | 71.1 | 78.5 | 79.2 | 79.5 | 69.9 | 73.0 |
| 65-74 y | 514 | 541 | 566 | 572 | 568 | 666 | 639 | 619 | 698 | 744 | 118.1 | 125.0 | 129.3 | 129.9 | 129.6 | 147.1 | 137.8 | 130.1 | 143.2 | 147.6 |
| 75+ y | 515 | 585 | 618 | 661 | 678 | 754 | 771 | 866 | 838 | 865 | 159.0 | 174.1 | 178.6 | 187.0 | 187.6 | 201.7 | 202.4 | 224.6 | 214.7 | 214.5 |
| Females | | | | | | | | | | | | | | | | | | | | |
| All ages | 1,676 | 1,673 | 1,780 | 1,878 | 1,853 | 1,894 | 1,907 | 2,015 | 2,035 | 1,981 | 17.6 | 16.9 | 17.7 | 18.7 | 17.5 | 18.3 | 18.1 | 18.9 | 18.7 | 17.9 |
| 0-14 y | 37 | 38 | 34 | 39 | 27 | 43 | 42 | 48 | 39 | 37 | 4.4 | 4.2 | 3.9 | 4.4 | 3.1 | 4.8 | 4.6 | 5.3 | 4.3 | 3.9 |
| 15-44 y | 197 | 170 | 189 | 217 | 161 | 186 | 190 | 195 | 195 | 174 | 9.0 | 7.8 | 9.1 | 9.9 | 7.5 | 8.5 | 8.6 | 9.0 | 9.2 | 8.2 |
| 45-54 y | 160 | 153 | 152 | 192 | 194 | 191 | 159 | 170 | 179 | 153 | 21.0 | 19.7 | 19.1 | 24.1 | 24.0 | 23.5 | 19.3 | 20.9 | 21.7 | 18.8 |
| 55-64 y | 299 | 304 | 322 | 303 | 323 | 305 | 319 | 338 | 340 | 334 | 49.1 | 47.7 | 49.8 | 45.8 | 47.7 | 44.5 | 46.1 | 48.4 | 48.2 | 46.2 |
| 65-74 y | 417 | 411 | 428 | 426 | 438 | 480 | 502 | 499 | 484 | 547 | 82.7 | 82.9 | 84.8 | 86.4 | 88.3 | 93.4 | 95.8 | 94.3 | 89.8 | 98.6 |
| 75+ y | 566 | 597 | 655 | 701 | 710 | 689 | 695 | 765 | 798 | 736 | 101.9 | 104.5 | 113.8 | 119.3 | 120.2 | 115.3 | 116.2 | 125.3 | 131.7 | 121.0 |

N=Number of invasive tumours
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

Figure 4: Lymphoid Malignancies: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



2. Relative survival

Table 5: Lymphoid Malignancies: 5-year relative survival proportion by sex, age group and region, Belgium 2012-2016

| | 5-year relative survival 2012-2016 (%) | | | | | |
|-------------------------|--|----------|--------------|-----------|----------|--------------|
| | Males | | | Females | | |
| | N at risk | estimate | 95% CI | N at risk | estimate | 95% CI |
| Overall | 12,635 | 74.5 | [73.3, 75.7] | 9,567 | 74.5 | [73.2, 75.9] |
| Age group | | | | | | |
| 15-59 years | 3,811 | 86.8 | [85.4, 88.2] | 2,527 | 89.6 | [88.1, 91.0] |
| 60-74 years | 4,767 | 75.8 | [74.1, 77.7] | 3,369 | 78.0 | [76.1, 79.9] |
| 75+ years | 4,061 | 58.5 | [55.5, 61.7] | 3,672 | 59.1 | [56.3, 62.0] |
| Region | | | | | | |
| Brussels-Capital Region | 998 | 72.8 | [68.4, 77.1] | 808 | 77.8 | [73.2, 82.0] |
| Flemish Region | 7,681 | 74.4 | [72.9, 76.0] | 5,580 | 73.2 | [71.5, 74.9] |
| Walloon Region | 3,956 | 75.0 | [72.8, 77.2] | 3,179 | 76.0 | [73.8, 78.3] |

Figure 5: Lymphoid Malignancies: relative survival proportion by sex, Belgium 2012-2016

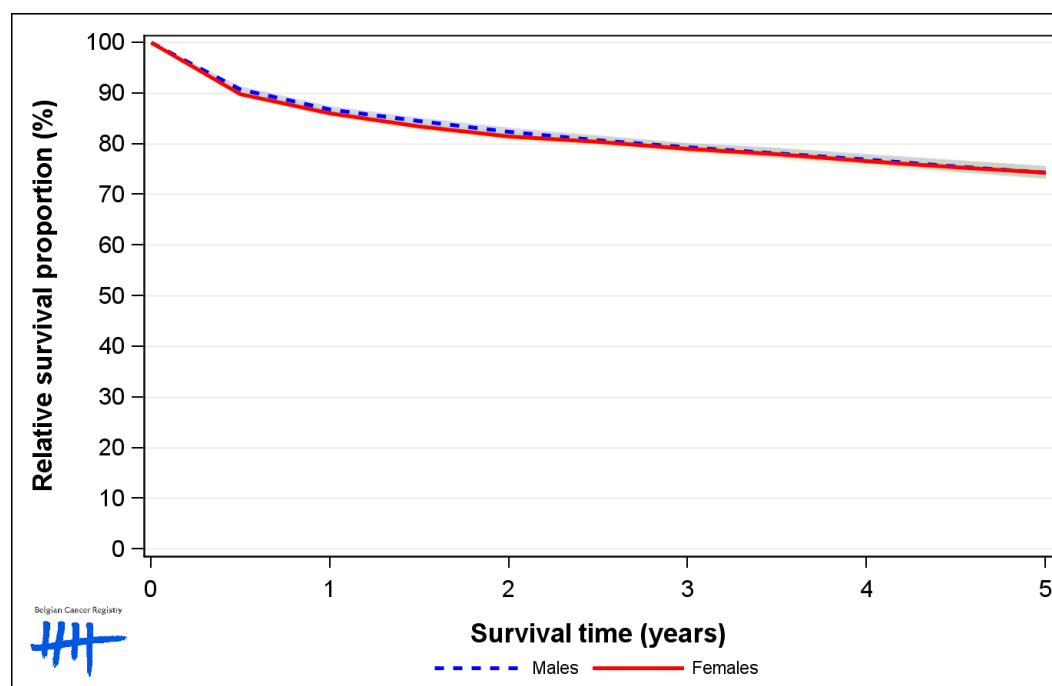


Figure 6: Lymphoid Malignancies: relative survival proportion by age group in males, Belgium 2012-2016

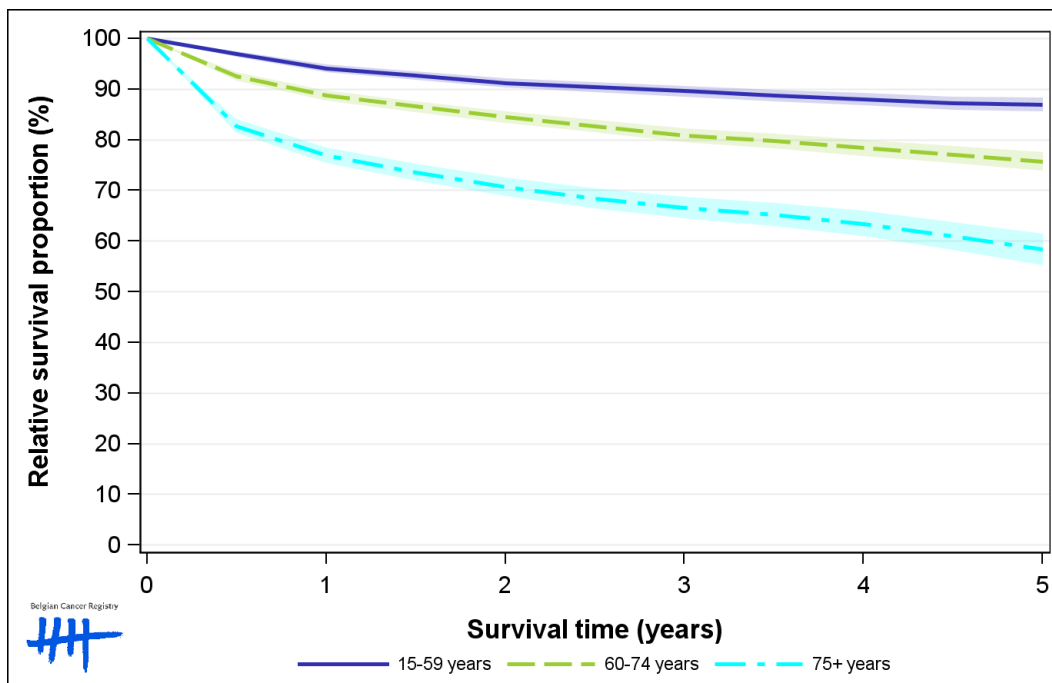


Figure 7: Lymphoid Malignancies: relative survival proportion by age group in females, Belgium 2012-2016

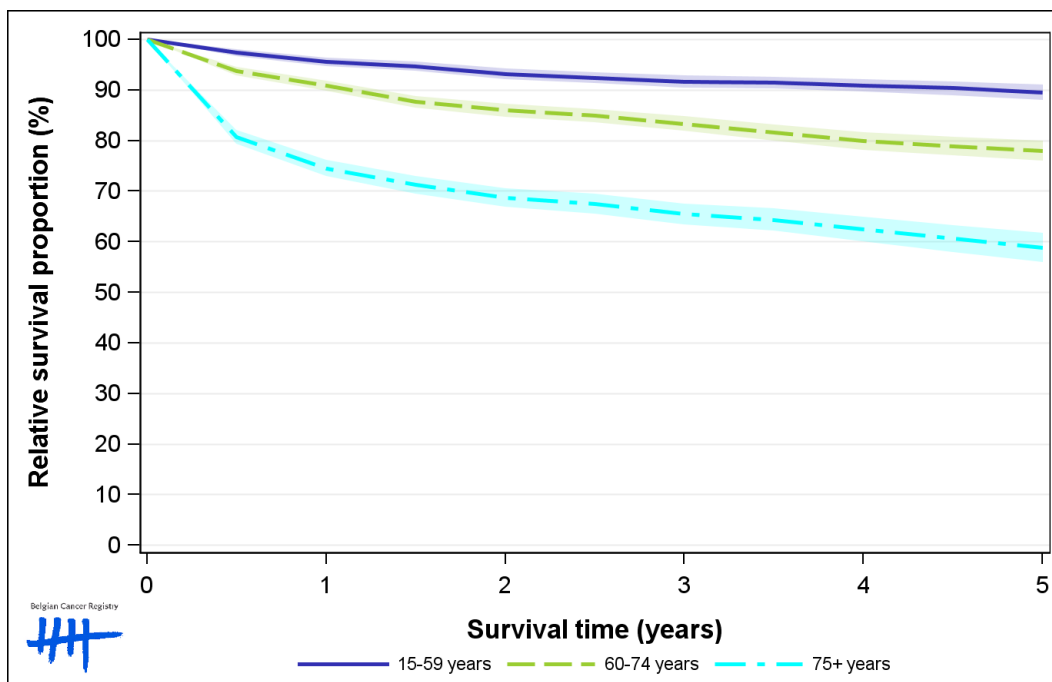


Figure 8: Lymphoid Malignancies: relative survival proportion by region in males, Belgium 2012-2016

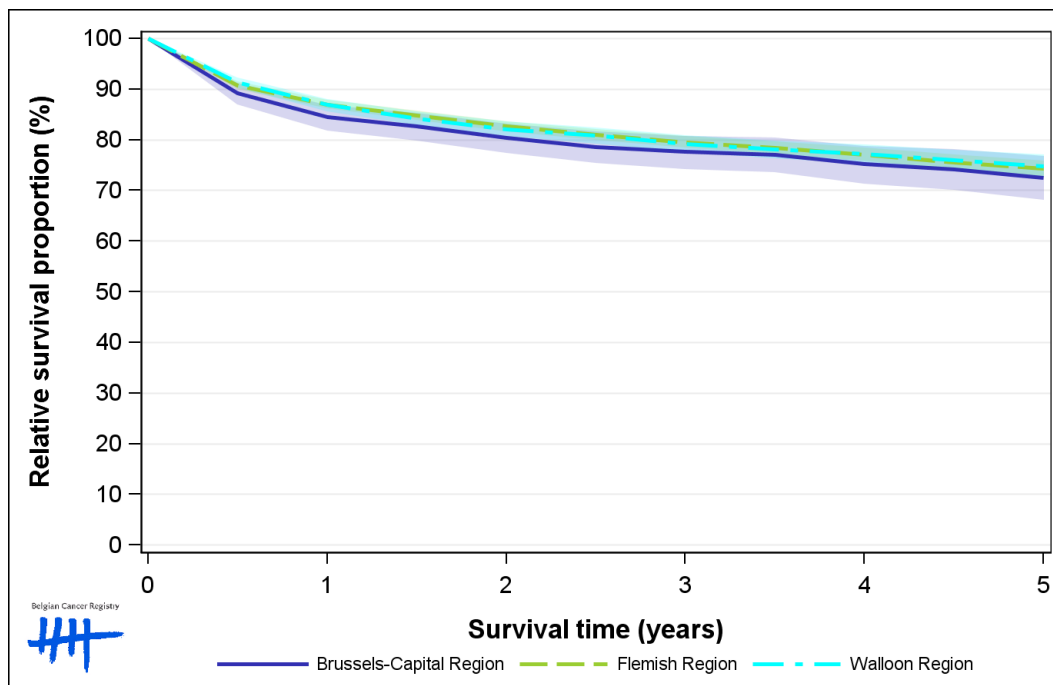


Figure 9: Lymphoid Malignancies: relative survival proportion by region in females, Belgium 2012-2016

