



Belgian Cancer Registry



Cancer Fact Sheet **Stomach Cancer**

ICD10 : C16.1-16.9

**Belgium 2019**

# 1. Cancer Incidence

## 1.1. Number of new diagnoses and incidence rates

**Table 1:** Stomach 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 sex and region, 2019

| Males                   | Age (years) | N          | CR         | ESR        | WSR        | CRi         |
|-------------------------|-------------|------------|------------|------------|------------|-------------|
| <b>Belgium</b>          | <b>71.2</b> | <b>540</b> | <b>9.6</b> | <b>6.5</b> | <b>4.4</b> | <b>0.49</b> |
| Brussels-Capital Region | 66.5        | 60         | 10.1       | 9.9        | 6.9        | 0.91        |
| Flemish Region          | 72.7        | 307        | 9.4        | 5.8        | 3.8        | 0.41        |
| Walloon Region          | 70.1        | 173        | 9.7        | 7.1        | 4.7        | 0.52        |

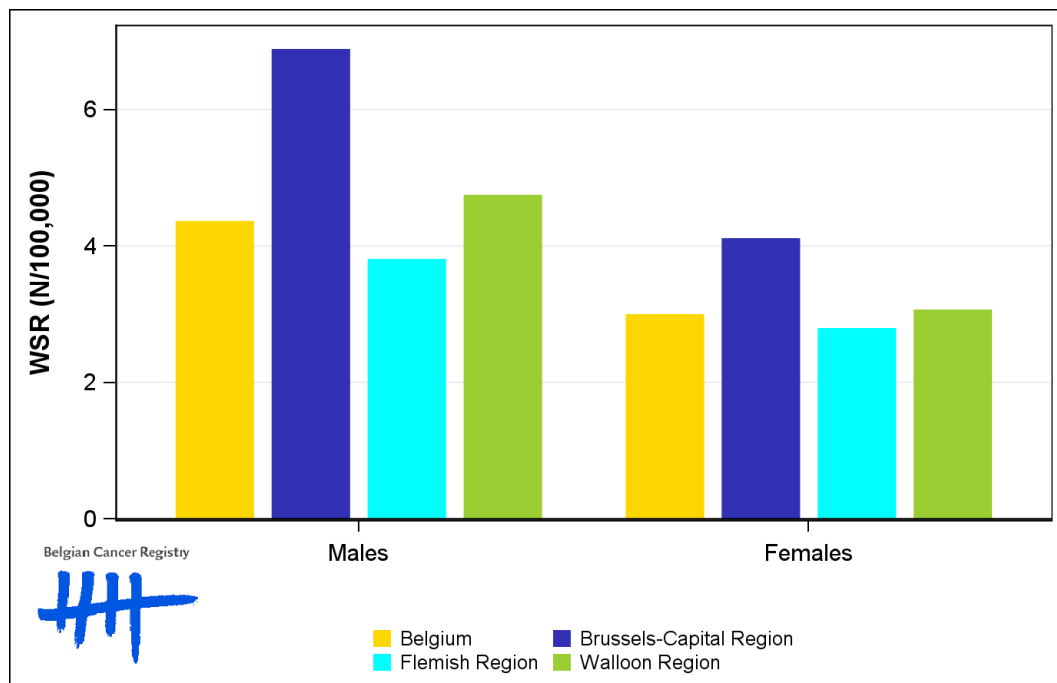
| Females                 | Age (years) | N          | CR         | ESR        | WSR        | CRi         |
|-------------------------|-------------|------------|------------|------------|------------|-------------|
| <b>Belgium</b>          | <b>71.3</b> | <b>420</b> | <b>7.2</b> | <b>4.3</b> | <b>3.0</b> | <b>0.33</b> |
| Brussels-Capital Region | 68.6        | 44         | 7.1        | 5.8        | 4.1        | 0.49        |
| Flemish Region          | 73.1        | 251        | 7.5        | 4.1        | 2.8        | 0.29        |
| Walloon Region          | 68.7        | 125        | 6.7        | 4.4        | 3.1        | 0.35        |

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:** Stomach Cancer: Age-standardised incidence rates by sex and region, 2019



## 1.2. Age-specific incidence rates

**Table 2:** Stomach Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2019

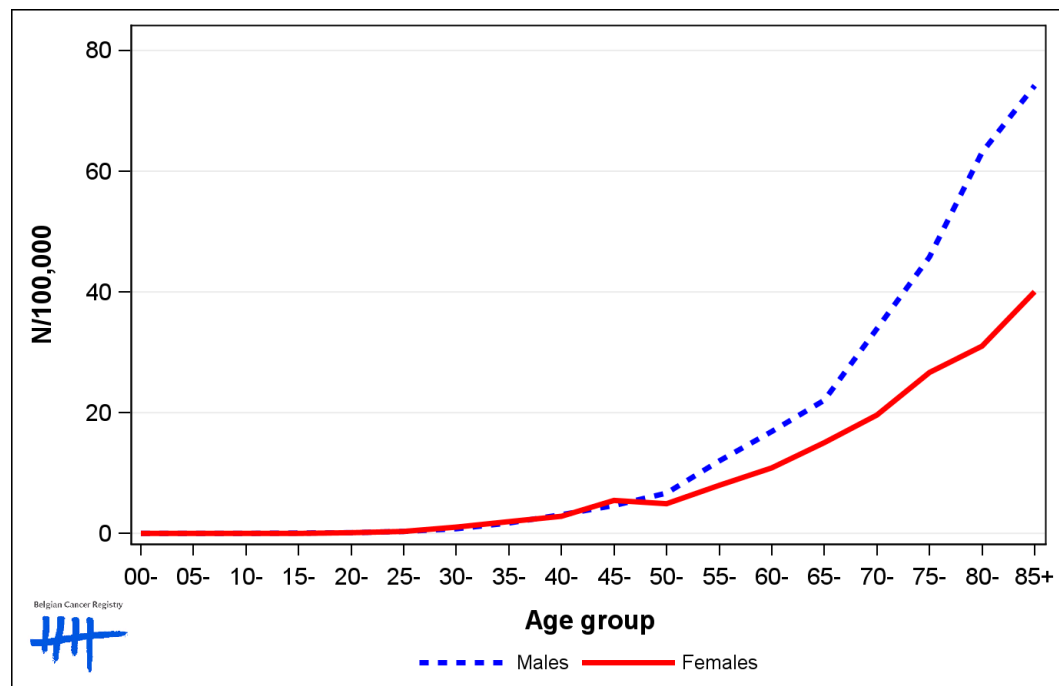
|         | 00- | 05- | 10- | 15- | 20- | 25- | 30- | 35- | 40- | 45- | 50- | 55- | 60-  | 65-  | 70-  | 75-  | 80-  | 85+  | CR  | ESR | WSR |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|
| Males   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.8 | 1.3 | 2.7 | 3.8 | 4.7 | 8.6 | 18.0 | 25.5 | 31.6 | 38.7 | 73.2 | 68.7 | 9.6 | 6.5 | 4.4 |
| Females | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 2.4 | 1.6 | 2.2 | 4.7 | 5.3 | 4.6 | 11.7 | 13.3 | 19.5 | 24.3 | 30.8 | 41.8 | 7.2 | 4.3 | 3.0 |

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:** Stomach Cancer: Age-specific incidence rates by sex, 2015-2019



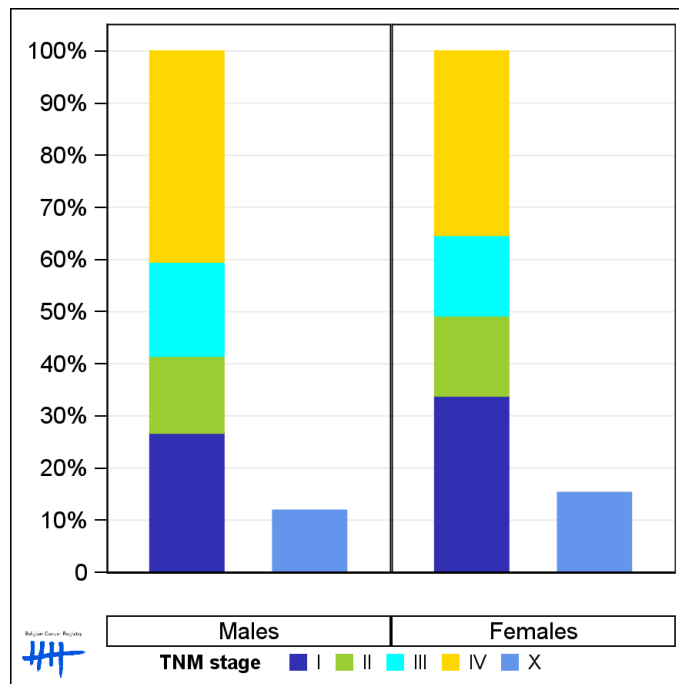
### 1.3. Combined stage

**Table 3:** Stomach Cancer: Distribution of combined stage by sex, Belgium 2019

|                | Stage I | Stage II | Stage III | Stage IV | Stage X | Stage NA | Total |
|----------------|---------|----------|-----------|----------|---------|----------|-------|
| <b>Males</b>   |         |          |           |          |         |          |       |
| N              | 105     | 58       | 71        | 159      | 53      | 94       | 540   |
| %              | 19.4    | 10.7     | 13.1      | 29.4     | 9.8     | 17.4     | 100   |
| <b>Females</b> |         |          |           |          |         |          |       |
| N              | 90      | 41       | 41        | 94       | 48      | 106      | 420   |
| %              | 21.4    | 9.8      | 9.8       | 22.4     | 11.4    | 25.2     | 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:** Stomach Cancer: Bar chart of known combined stage by sex, Belgium 2019



## 1.4. Trends in incidence

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

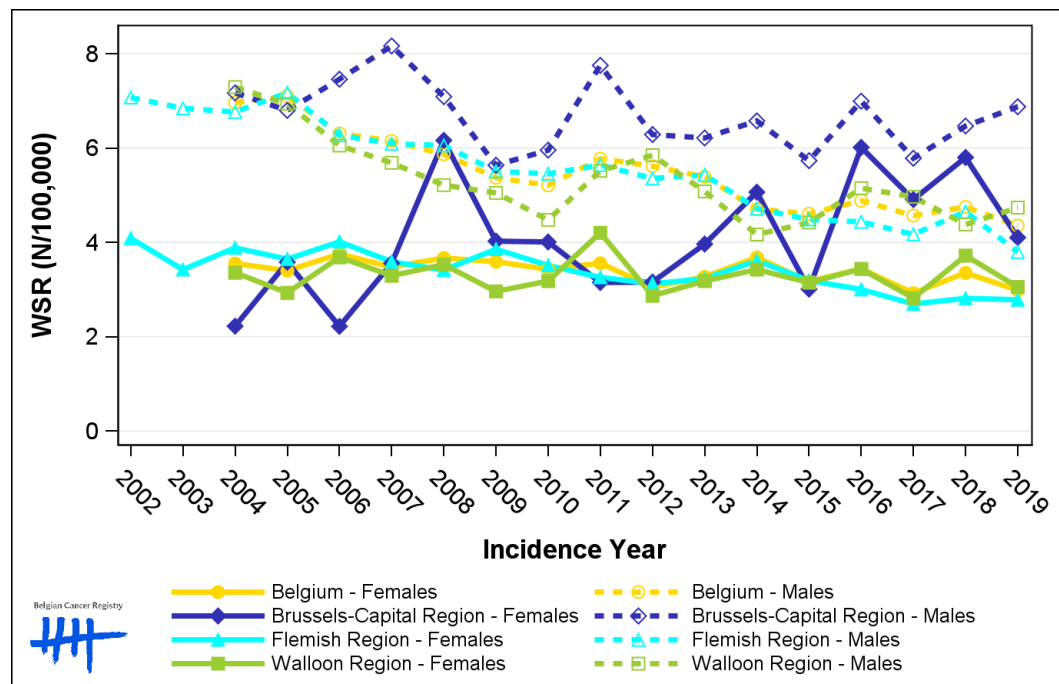
| Males                   | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | AAPC | 95% CI       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
| <b>Belgium</b>          | 7.1  | 6.3  | 6.2  | 5.9  | 5.4  | 5.2  | 5.8  | 5.6  | 5.4  | 4.7  | 4.6  | 4.9  | 4.6  | 4.8  | 4.4  | -2.7 | [-3.5; -2.0] |
| Brussels-Capital Region | 6.8  | 7.5  | 8.2  | 7.1  | 5.6  | 6.0  | 7.8  | 6.3  | 6.2  | 6.6  | 5.7  | 7.0  | 5.8  | 6.5  | 6.9  | -0.9 | [-2.3; 0.5]  |
| Flemish Region          | 7.2  | 6.3  | 6.1  | 6.1  | 5.5  | 5.5  | 5.6  | 5.4  | 5.4  | 4.7  | 4.5  | 4.4  | 4.2  | 4.7  | 3.8  | -3.6 | [-4.3; -3.0] |
| Walloon Region          | 6.9  | 6.1  | 5.7  | 5.2  | 5.0  | 4.5  | 5.5  | 5.8  | 5.1  | 4.2  | 4.4  | 5.1  | 5.0  | 4.4  | 4.7  | -2.1 | [-3.4; -0.8] |

| Females                 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | AAPC | 95% CI       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------|
| <b>Belgium</b>          | 3.4  | 3.8  | 3.5  | 3.7  | 3.6  | 3.4  | 3.6  | 3.1  | 3.3  | 3.7  | 3.2  | 3.4  | 2.9  | 3.4  | 3.0  | -1.1 | [-1.9; -0.3] |
| Brussels-Capital Region | 3.6  | 2.2  | 3.6  | 6.2  | 4.0  | 4.0  | 3.2  | 3.2  | 4.0  | 5.1  | 3.0  | 6.0  | 4.9  | 5.8  | 4.1  | 2.9  | [-0.5; 6.5]  |
| Flemish Region          | 3.6  | 4.0  | 3.6  | 3.4  | 3.9  | 3.5  | 3.3  | 3.1  | 3.2  | 3.6  | 3.2  | 3.0  | 2.7  | 2.8  | 2.8  | -2.3 | [-3.1; -1.5] |
| Walloon Region          | 2.9  | 3.7  | 3.3  | 3.5  | 3.0  | 3.2  | 4.2  | 2.9  | 3.2  | 3.4  | 3.1  | 3.4  | 2.8  | 3.7  | 3.1  | -0.2 | [-1.6; 1.3]  |

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:** Stomach Cancer: Age-standardised incidence rates (WSR) by incidence year, sex and region



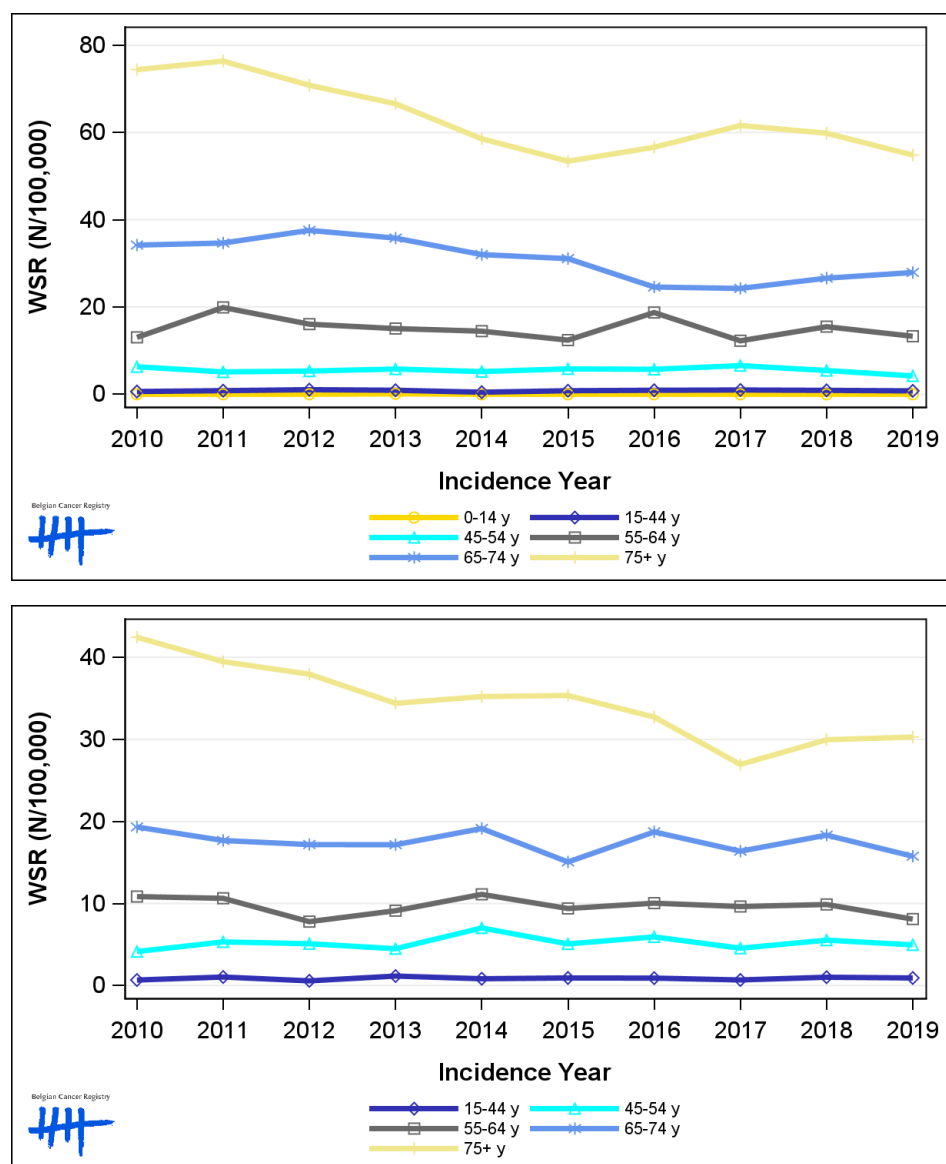
## 1.5. Incidence by broad age groups

**Table 5:** Stomach Cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, 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       | 562  | 630  | 612  | 589  | 534  | 522  | 555  | 539  | 566  | 540  | 5.2  | 5.8  | 5.6  | 5.4  | 4.7  | 4.6  | 4.9  | 4.6  | 4.8  | 4.4  |
| 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        | 16   | 22   | 27   | 23   | 12   | 21   | 23   | 26   | 23   | 20   | 0.6  | 0.8  | 1.0  | 0.9  | 0.5  | 0.8  | 0.9  | 1.0  | 0.9  | 0.8  |
| 45-54 y        | 50   | 43   | 44   | 48   | 44   | 49   | 47   | 54   | 45   | 34   | 6.3  | 5.1  | 5.3  | 5.8  | 5.2  | 5.8  | 5.7  | 6.6  | 5.4  | 4.2  |
| 55-64 y        | 85   | 132  | 107  | 102  | 98   | 86   | 132  | 88   | 113  | 97   | 13.0 | 19.9 | 16.1 | 15.1 | 14.5 | 12.4 | 18.7 | 12.3 | 15.5 | 13.3 |
| 65-74 y        | 150  | 157  | 173  | 167  | 152  | 152  | 124  | 128  | 145  | 155  | 34.2 | 34.7 | 37.6 | 35.8 | 32.0 | 31.1 | 24.6 | 24.3 | 26.6 | 27.9 |
| 75+ y          | 261  | 276  | 261  | 248  | 228  | 214  | 229  | 243  | 240  | 234  | 74.4 | 76.4 | 70.8 | 66.6 | 58.6 | 53.4 | 56.6 | 61.6 | 59.9 | 54.8 |
| <b>Females</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| All ages       | 476  | 476  | 441  | 442  | 475  | 431  | 458  | 394  | 446  | 420  | 3.4  | 3.6  | 3.1  | 3.3  | 3.7  | 3.2  | 3.4  | 2.9  | 3.4  | 3.0  |
| 0-14 y         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 15-44 y        | 16   | 27   | 15   | 30   | 21   | 24   | 23   | 18   | 26   | 24   | 0.7  | 1.0  | 0.6  | 1.2  | 0.8  | 0.9  | 0.9  | 0.7  | 1.0  | 0.9  |
| 45-54 y        | 33   | 43   | 42   | 37   | 56   | 40   | 46   | 36   | 44   | 39   | 4.1  | 5.3  | 5.1  | 4.5  | 7.0  | 5.1  | 5.9  | 4.6  | 5.5  | 5.0  |
| 55-64 y        | 72   | 72   | 53   | 63   | 77   | 66   | 72   | 71   | 74   | 60   | 10.8 | 10.6 | 7.8  | 9.1  | 11.1 | 9.4  | 10.0 | 9.6  | 9.9  | 8.1  |
| 65-74 y        | 93   | 90   | 87   | 91   | 102  | 81   | 104  | 95   | 108  | 97   | 19.3 | 17.7 | 17.2 | 17.2 | 19.1 | 15.1 | 18.7 | 16.4 | 18.3 | 15.8 |
| 75+ y          | 262  | 244  | 244  | 221  | 219  | 220  | 213  | 174  | 194  | 200  | 42.5 | 39.5 | 38.0 | 34.4 | 35.2 | 35.4 | 32.7 | 27.0 | 30.0 | 30.3 |

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

**Figure 5:** Stomach Cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



## 2. Relative survival

**Table 6:** Stomach Cancer: 5-year relative survival proportion by sex, age group and region, Belgium 2015-2019

|                         | 5-year relative survival 2015-2019 (%) |          |              |           |          |              |
|-------------------------|--|----------|--------------|-----------|----------|--------------|
|                         | Males                                  |          |              | Females   |          |              |
|                         | N at risk                              | estimate | 95% CI       | N at risk | estimate | 95% CI       |
| <b>Overall</b>          | 2,701                                  | 44.2     | [41.6, 46.8] | 2,125     | 49.1     | [46.2, 52.1] |
| <b>Age group</b>        |  |          |              |           |          |              |
| 15-59 years             | 570                                    | 55.6     | [50.8, 60.3] | 466       | 62.9     | [57.5, 67.9] |
| 60-74 years             | 981                                    | 50.0     | [45.7, 54.1] | 665       | 57.2     | [52.3, 61.9] |
| 75+ years               | 1,151                                  | 32.8     | [28.3, 37.6] | 994       | 36.0     | [31.3, 40.9] |
| <b>Region</b>           |  |          |              |           |          |              |
| Brussels-Capital Region | 262                                    | 41.1     | [32.8, 49.5] | 235       | 53.1     | [44.2, 61.6] |
| Flemish Region          | 1,621                                  | 41.5     | [38.3, 44.8] | 1,237     | 46.1     | [42.2, 49.9] |
| Walloon Region          | 818                                    | 50.6     | [45.4, 55.7] | 653       | 53.8     | [48.6, 58.9] |

**Figure 6:** Stomach Cancer: relative survival proportion by sex, Belgium 2015-2019

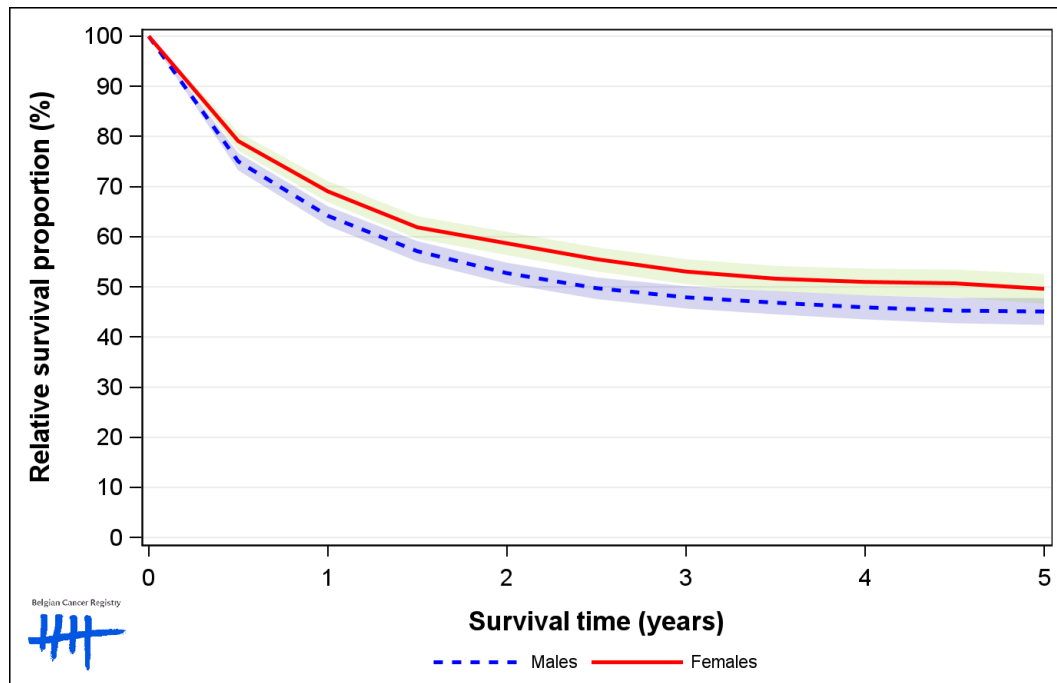


Figure 7: Stomach Cancer: relative survival proportion by age group in males, Belgium 2015-2019

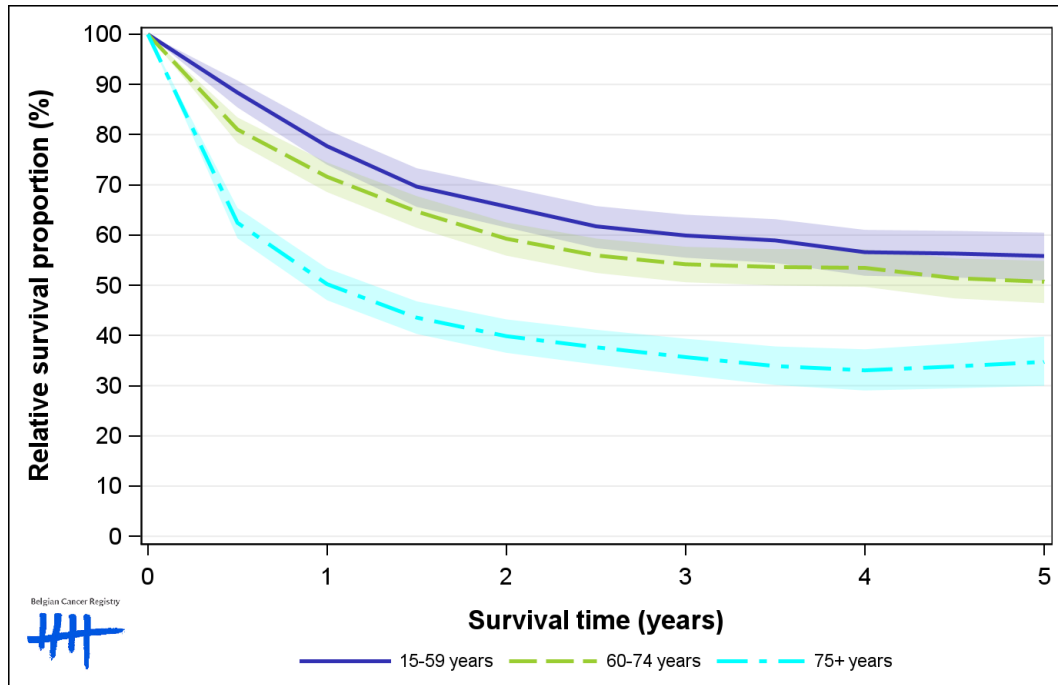
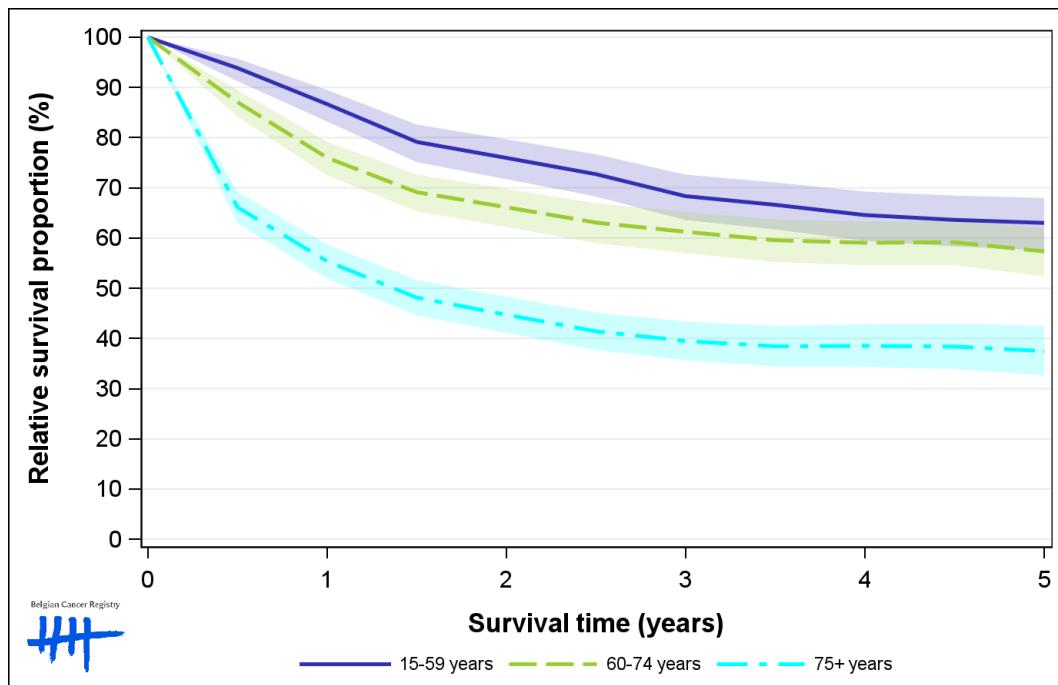
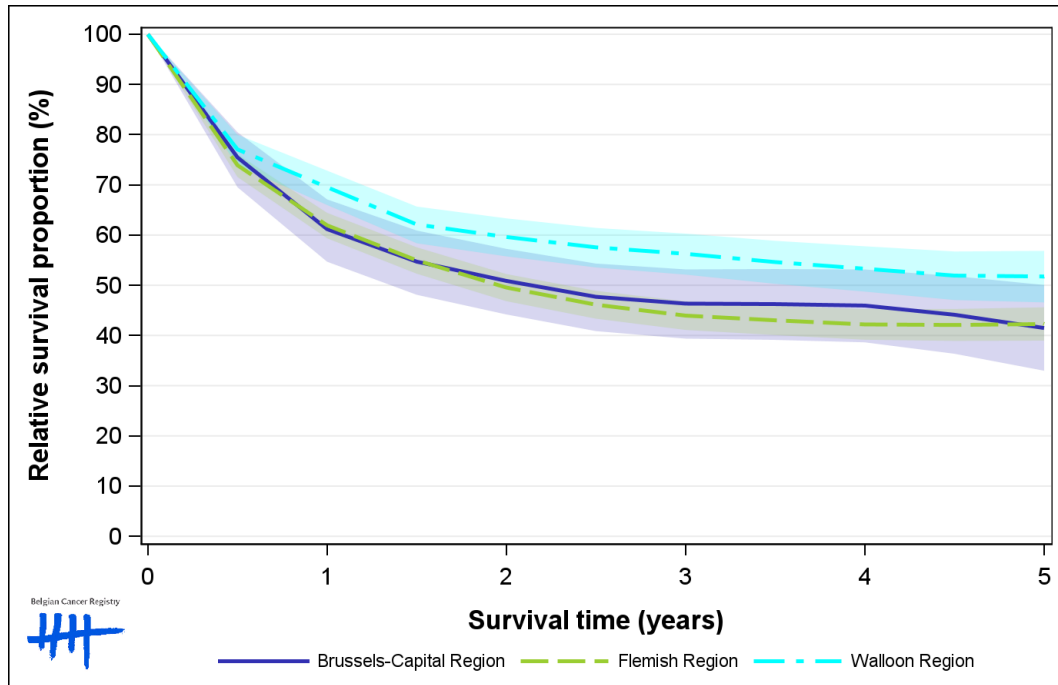


Figure 8: Stomach Cancer: relative survival proportion by age group in females, Belgium 2015-2019





**Figure 9:** Stomach Cancer: relative survival proportion by region in males, Belgium 2015-2019



**Figure 10:** Stomach Cancer: relative survival proportion by region in females, Belgium 2015-2019

