

Les nouveaux résultats: un subtil jeu d'ensemble entre incidence, mortalité et survie

De nieuwe resultaten: een subtiel samenspel tussen incidentie, mortaliteit en overleving



Belgian Cancer Registry

www.kankerregister.org | www.registreducancer.org

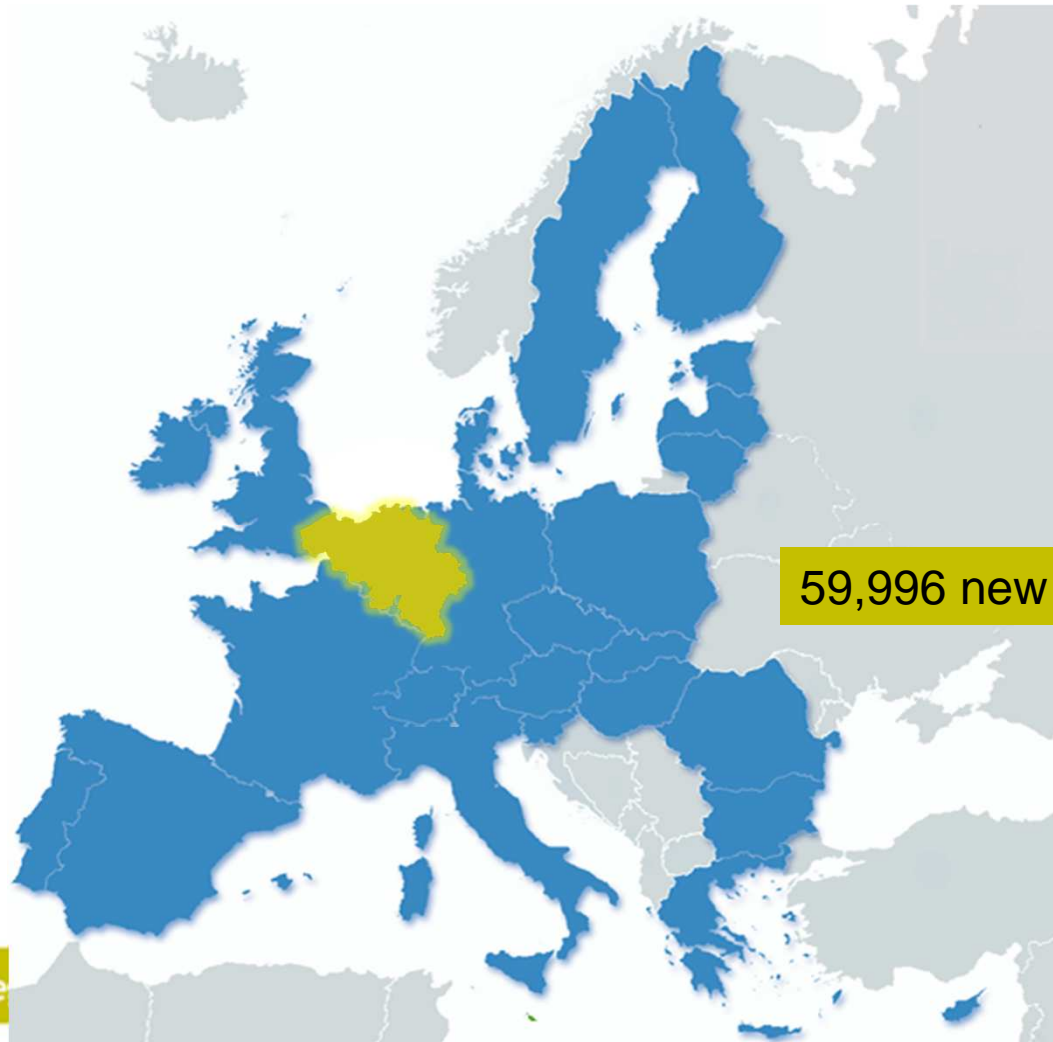
Liesbet Van Eycken



5 year cancer incidence in Belgium
10 year cancer incidence in Flanders

2008: estimated number of cancer cases in Europe (EU-27)

- Every year 2.4 million new cancer cases

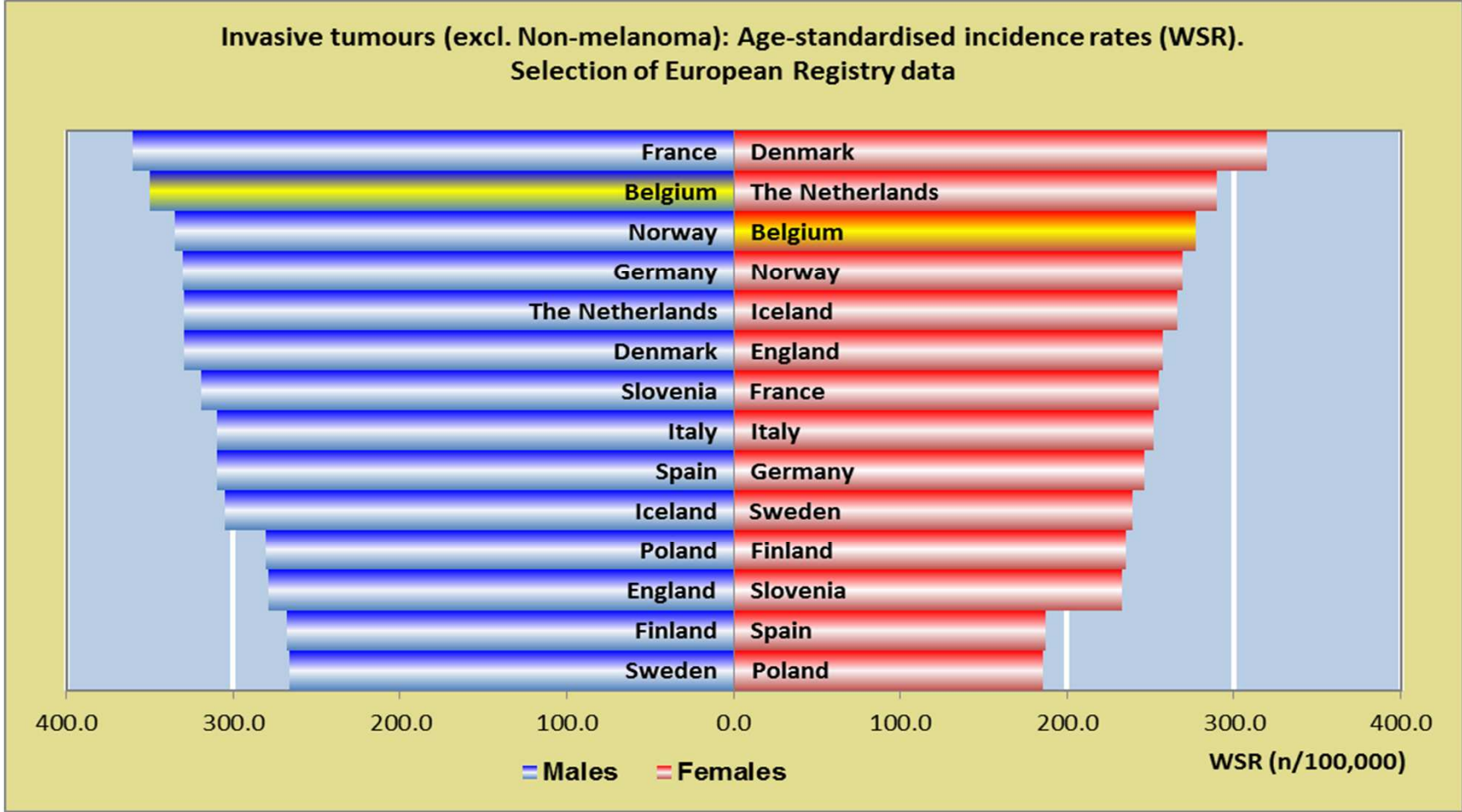


59,996 new cancer cases in 2008

32,508 males

27,488 females

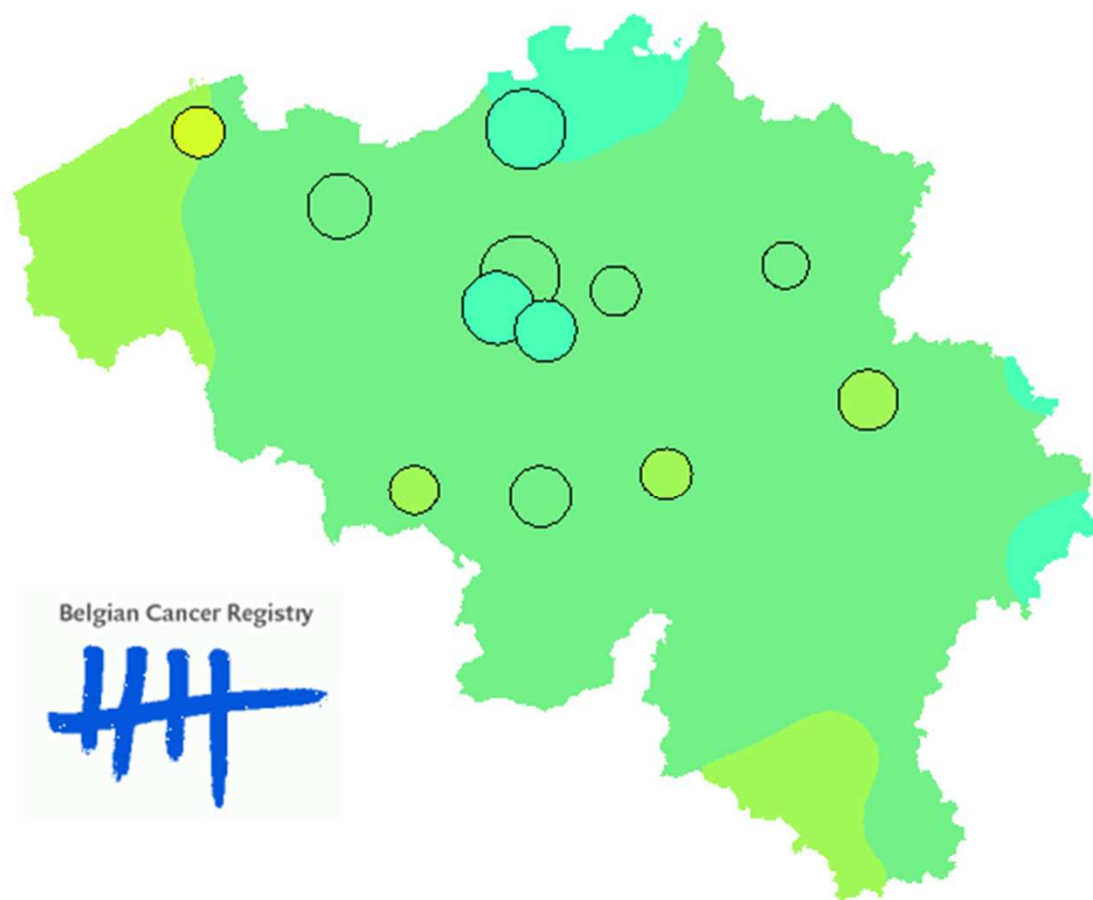
European comparison: all cancers



All cancer sites

Males, Belgium, 2004-2008

/ 100,000



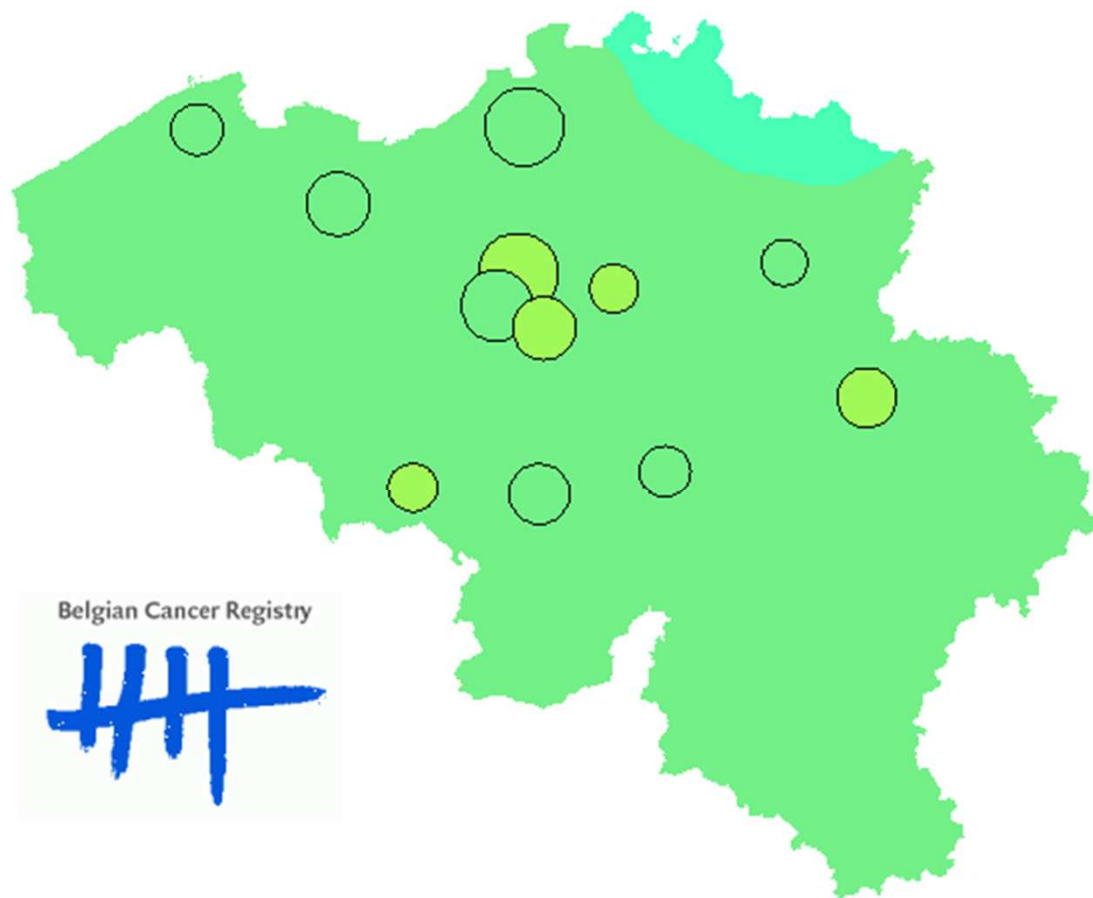
Ref: Belgium

Finnish Cancer Registry 04.03.2011

All cancer sites

Females, Belgium, 2004-2008

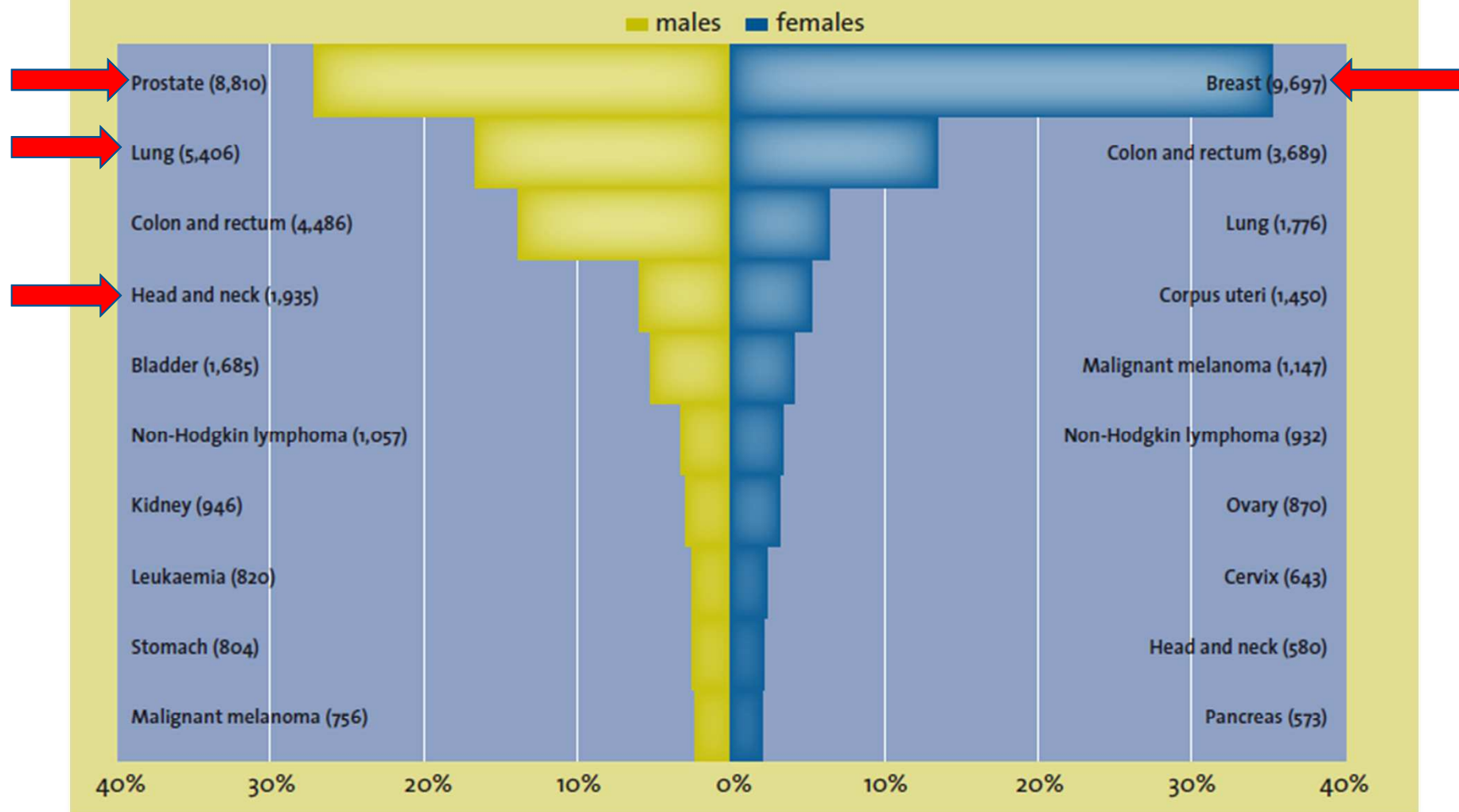
/ 100,000



Ref: Belgium

Finnish Cancer Registry 04.03.2011

Figure 5 The ten most frequently occurring tumours by sex, Belgium 2008



Evolution: absolute numbers

- Belgium 2004-2008

- Males 32,400



- Females 26,208 → 27,488 5% ↑



- Flanders 1999-2008

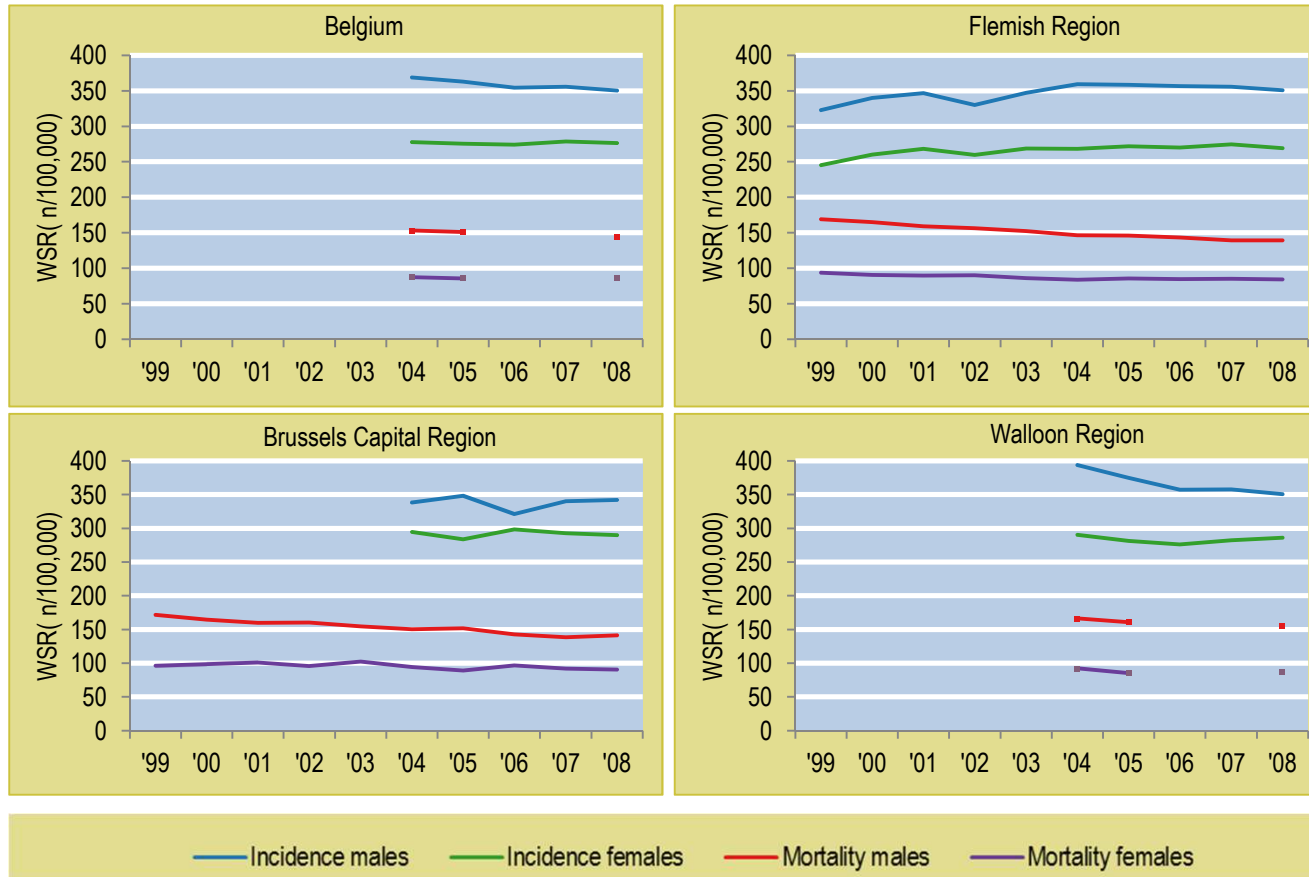
Males	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Flemish Region	15.975	17.099	17.769	17.151	18.287	19.394	19.530	19.767	20.066	20.185
Females	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Flemish Region	12.838	13.766	14.263	14.112	14.728	14.957	15.253	15.230	15.832	15.906

26% ↑

24% ↑

All cancers, 1999-2008, age standardised incidence rate (WSR)

Invasive tumours (excl. non-melanoma): incidence and mortality by sex and region, 1999-2008



males: EAPC= 0.9% [p=0.01]

females: EAPC= 0.8% [p=0.01]

males: EAPC= -0.9% [p=0.00]

females: EAPC= -1.1% [p=0.00]

Mortality Incidence Ratio

- **Males M/I= 46%** → **Survival proxy 54%**
 - 15.095/32.508
- **Females M/I: 42%** → **Survival proxy 58%**
 - 11.552/27.488



The M/I ratio is a comparison of the number of deaths attributed to a specific cancer and the number of incident cases in the same time period

Availability of cancer incidence and mortality data by region, 1999-2008

Status on the 1st of Januari 2011

incidence	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Belgium						X	X	X	X	X
Flemish Region	X	X	X	X	X	X	X	X	X	X
Brussels Capital Region						X	X	X	X	X
Walloon Region						X	X	X	X	X
Mortality	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Belgium						X*	X*			X*
Flemish Region	X	X	X	X	X	X	X	X	X	X
Brussels Capital Region	X	X	X	X	X	X	X	X	X	X
Walloon Region						X	X			X

X* Belgian cancer mortality data calculated by the Cancer Registry

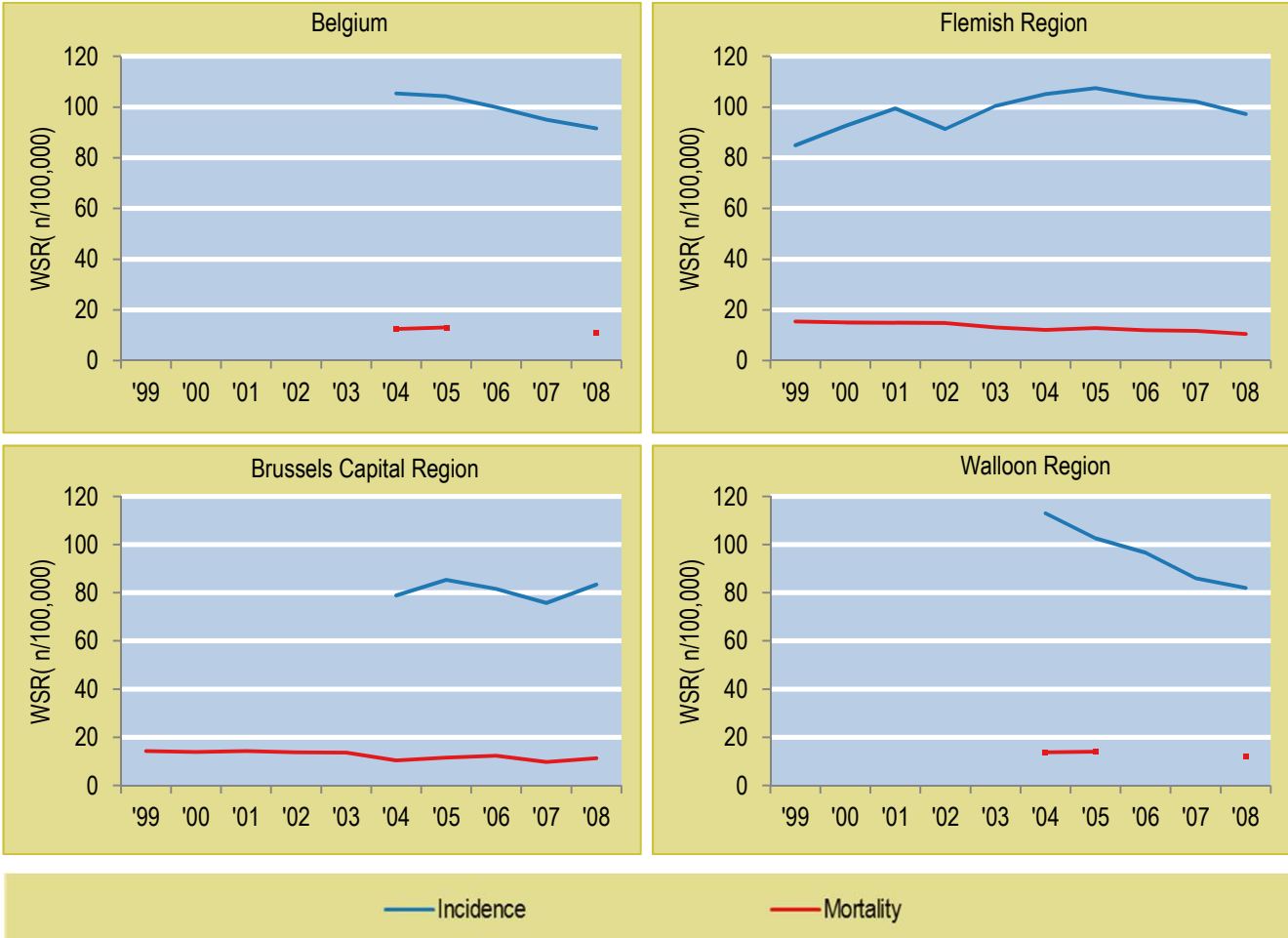
- 1) Algemene directie Statistiek en Economische informatie, FOD Economie (<http://www.statbel.fgov.be/>)
- 2) Vlaams Agentschap Zorg en Gezondheid, <http://www.zorg-en-Gezondheid.be/Cijfers/Sterftcijfers/>
- 3) Observatoire de la Santé et du Social de Bruxelles. Bulletins statistiques de décès. 2008.
- 4) Communauté Française-Direction générale de la Santé-Cellule des statistiques des naissances et des décès. Bulletins statistiques de décès. 2008.

Objectives (1)

- Monitor the burden of cancer
 - Monitor the trends in the frequency of cancer
 - Make projections of cancer frequency
 - Assumed trends in risk factors
 - Interventions
 - Ageing
- planning cancer services

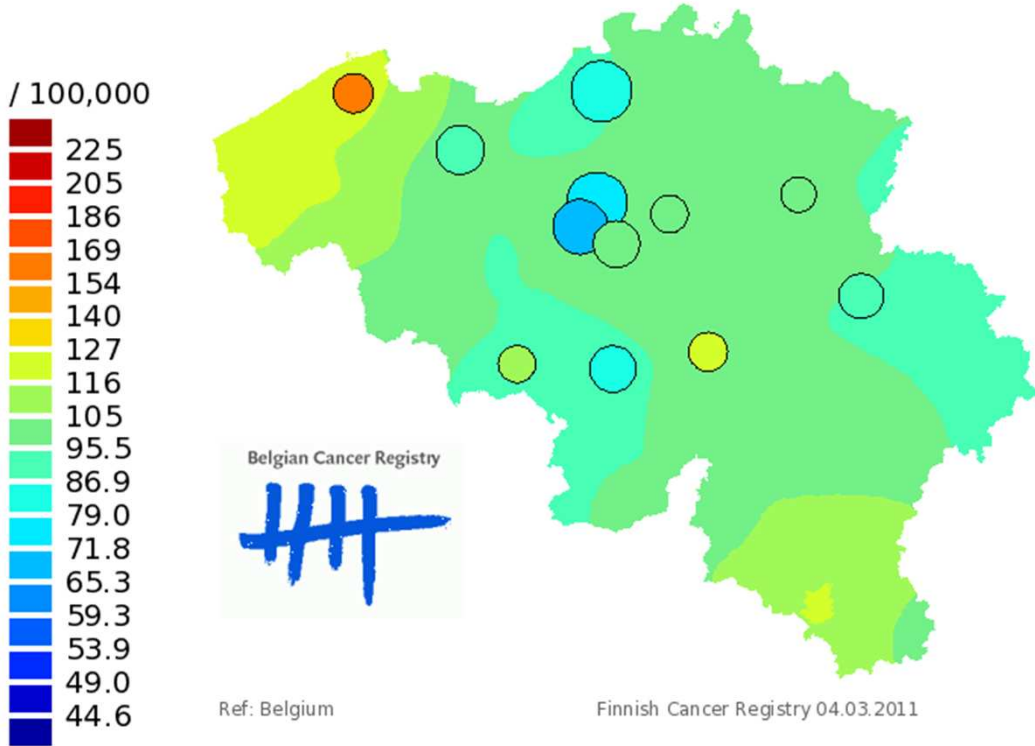
Prostate cancer

Prostate cancer: incidence and mortality by region, 1999-2008

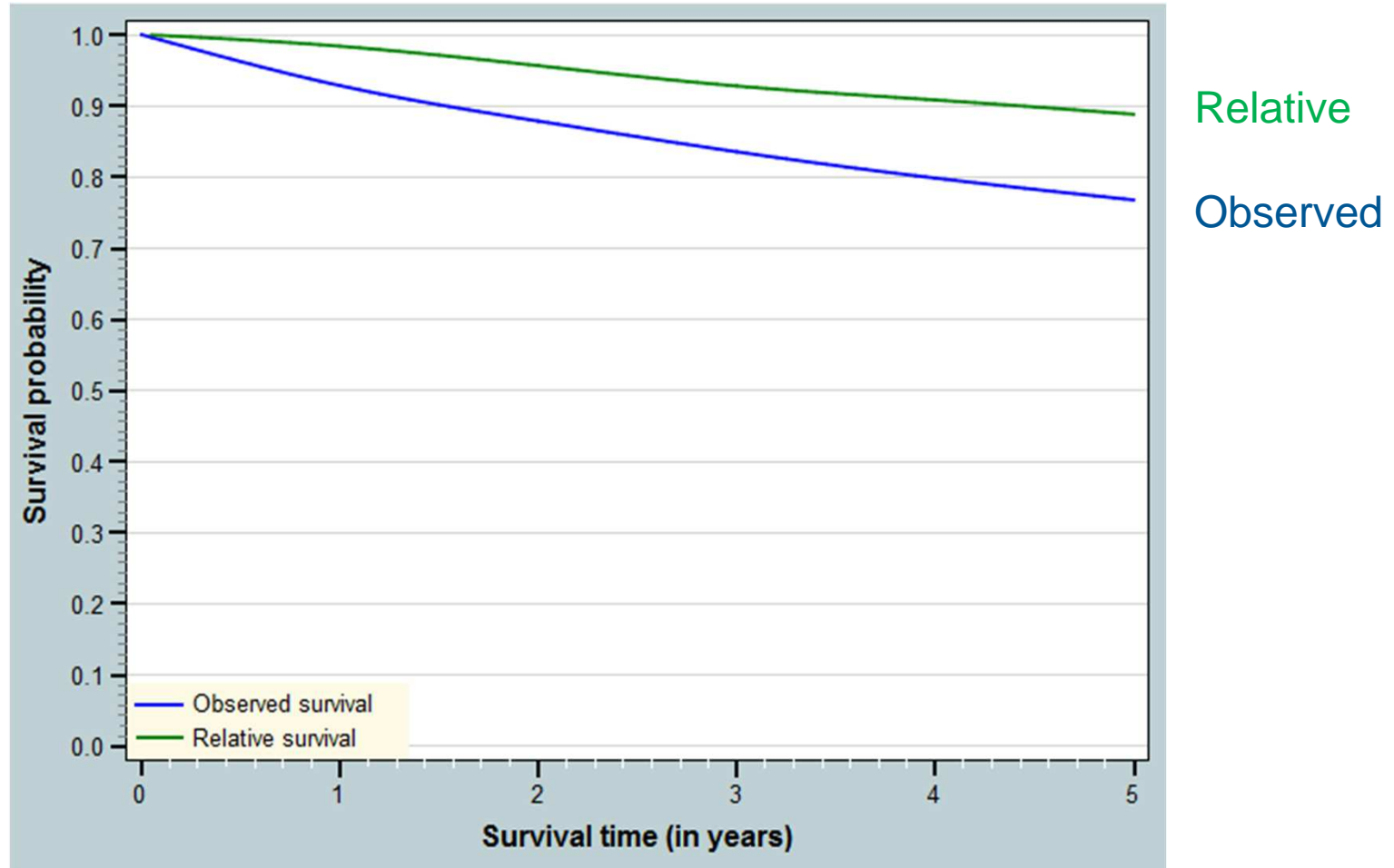


Prostate cancer

Incidence of prostate cancer
Belgium, 2004-2008



Prostate cancer: 5 year observed and relative survival



Objectives (2)

- Assess variations in frequency of cancer between and within countries
 - Age, sex, residence
 - Ethnic origin, socioeconomic status, occupation
 - Migrants
 - Test hypotheses → causes of cancer

Kidney cancer, incidence by region

Kidney cancer: incidence and mortality by sex and region, 1999-2008



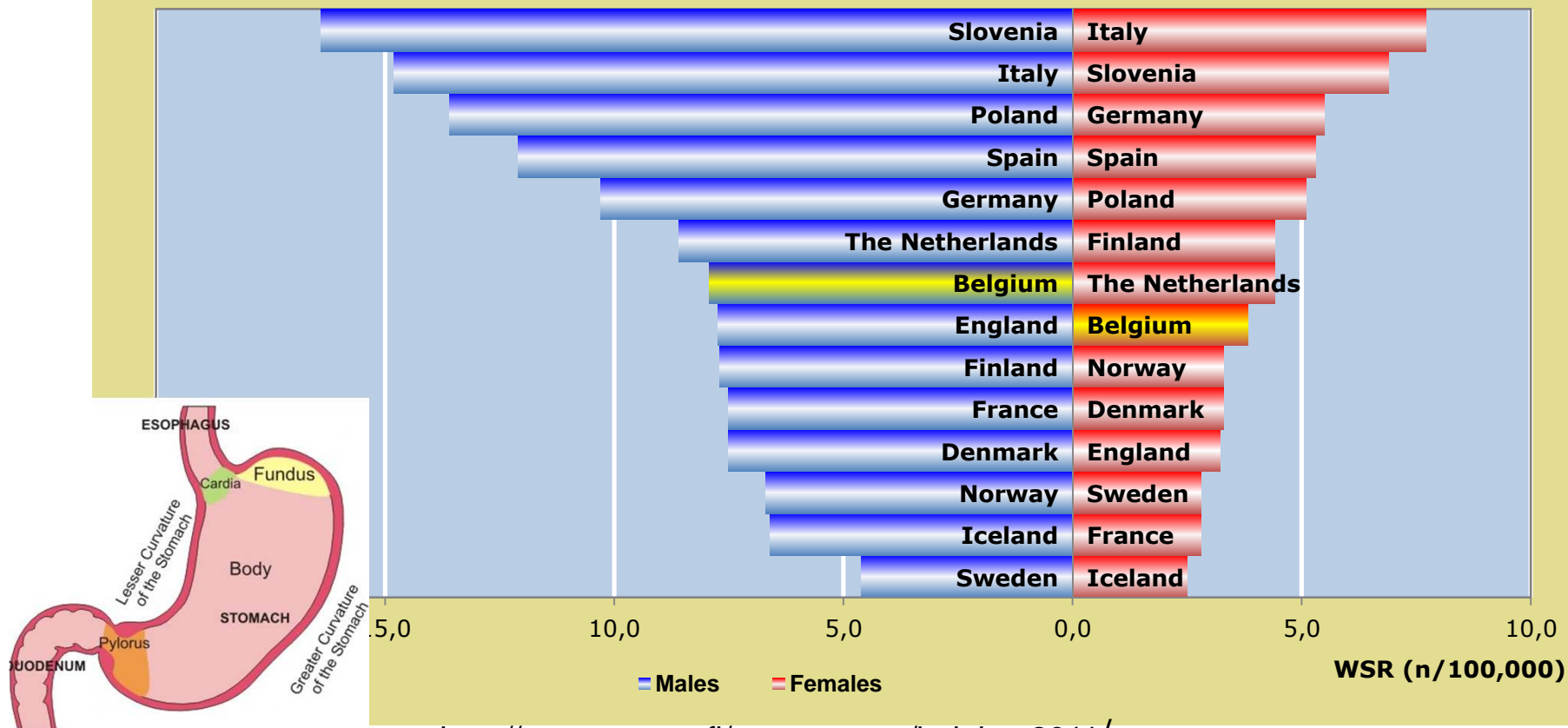
Kidney cancer, evolution by stage

Kidney cancer: incidence by stage and sex, Flemish Region 1999-2008



Stomach cancer, European Comparison

Stomach cancer: comparison of age-standardised incidence rates (WSR), 2008.
Selection of European registry data

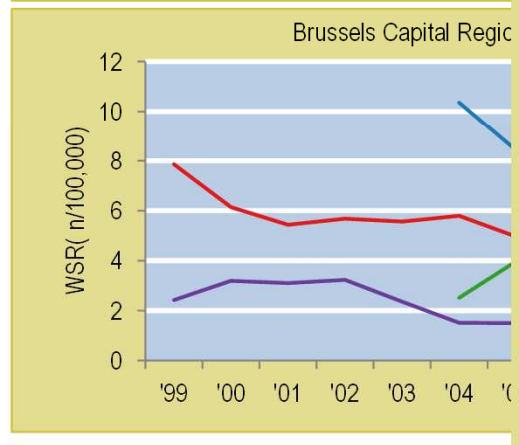
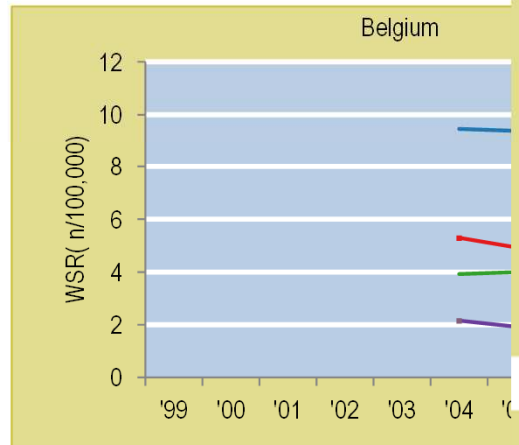


<http://astra.cancer.fi/cancermaps/belgium2011/>

Stomach cancer

by region

Stomach cancer: incidence



— Incidence males — Incidence females

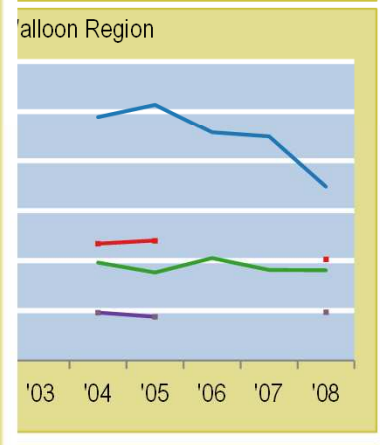
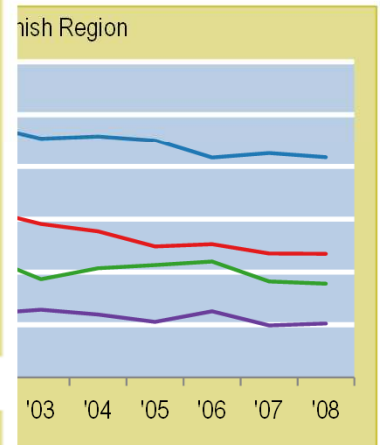
Males: age group 75+



Females: age group 75+



Incidence by region, 1999-2008

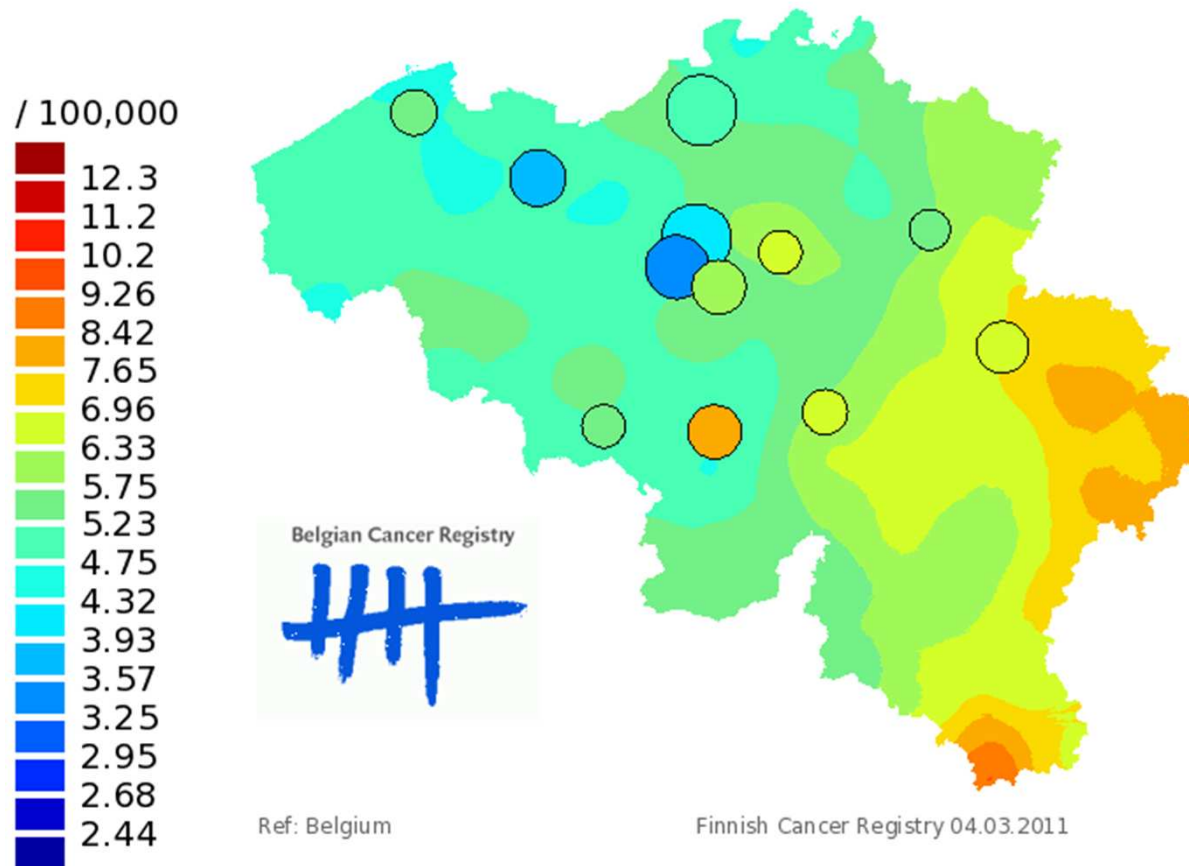


— Mortality females



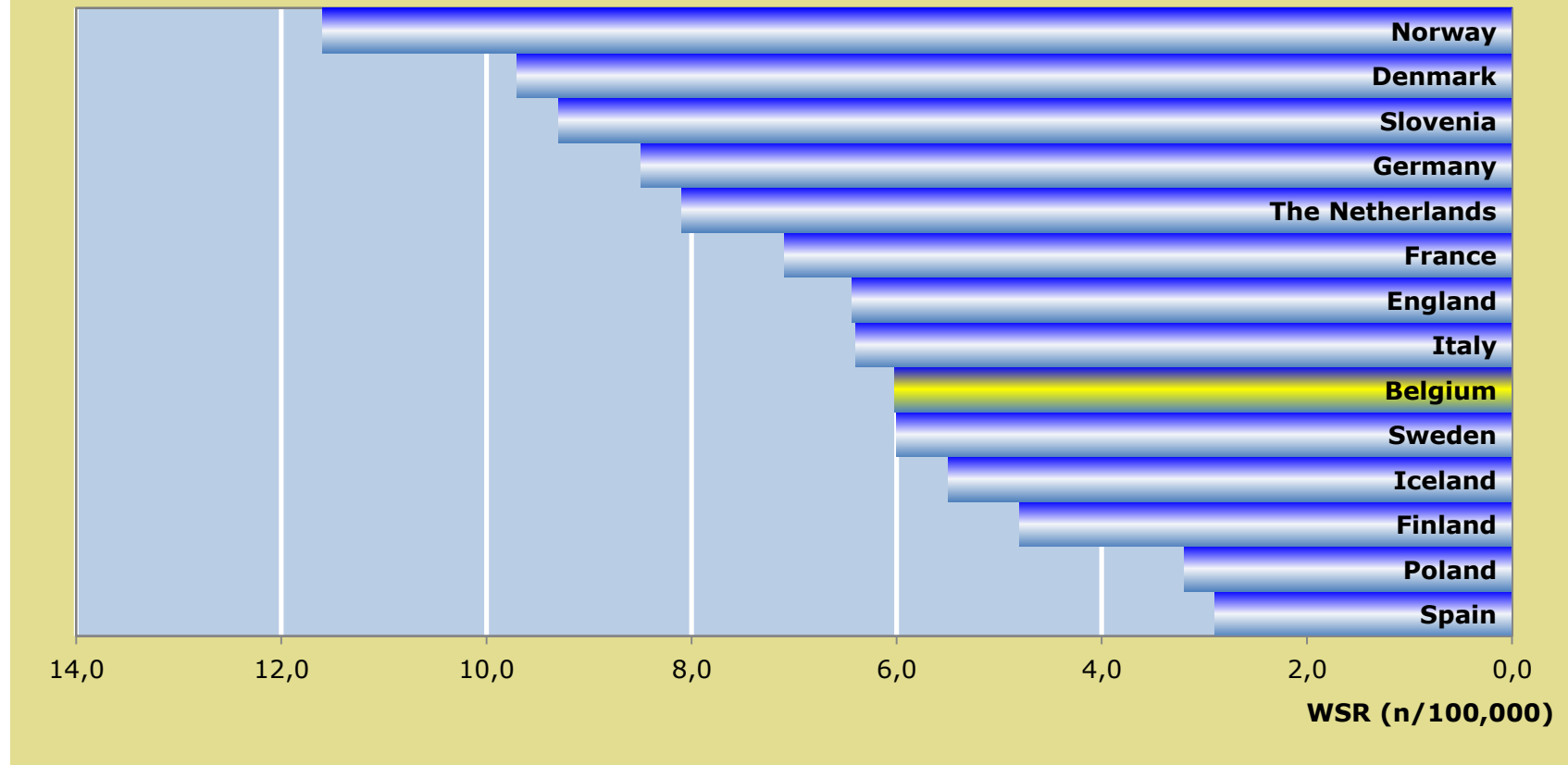
Testicular cancer

Incidence of testicular cancer
Belgium, 2004-2008

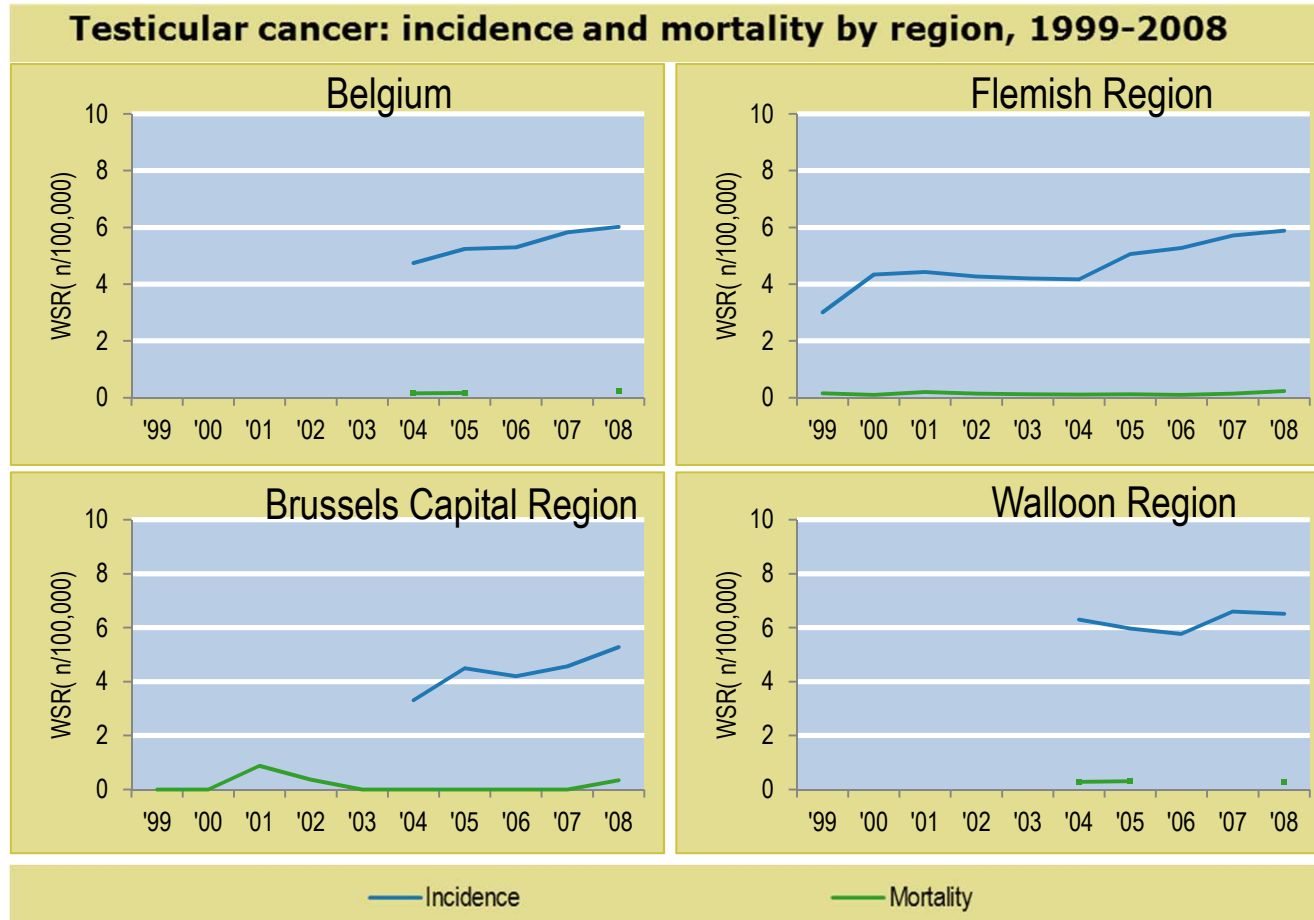


Testicular cancer, European Comparison

Testicular cancer: comparison of age-standardised incidence rates (WSR), 2008.
Selection of European registry data

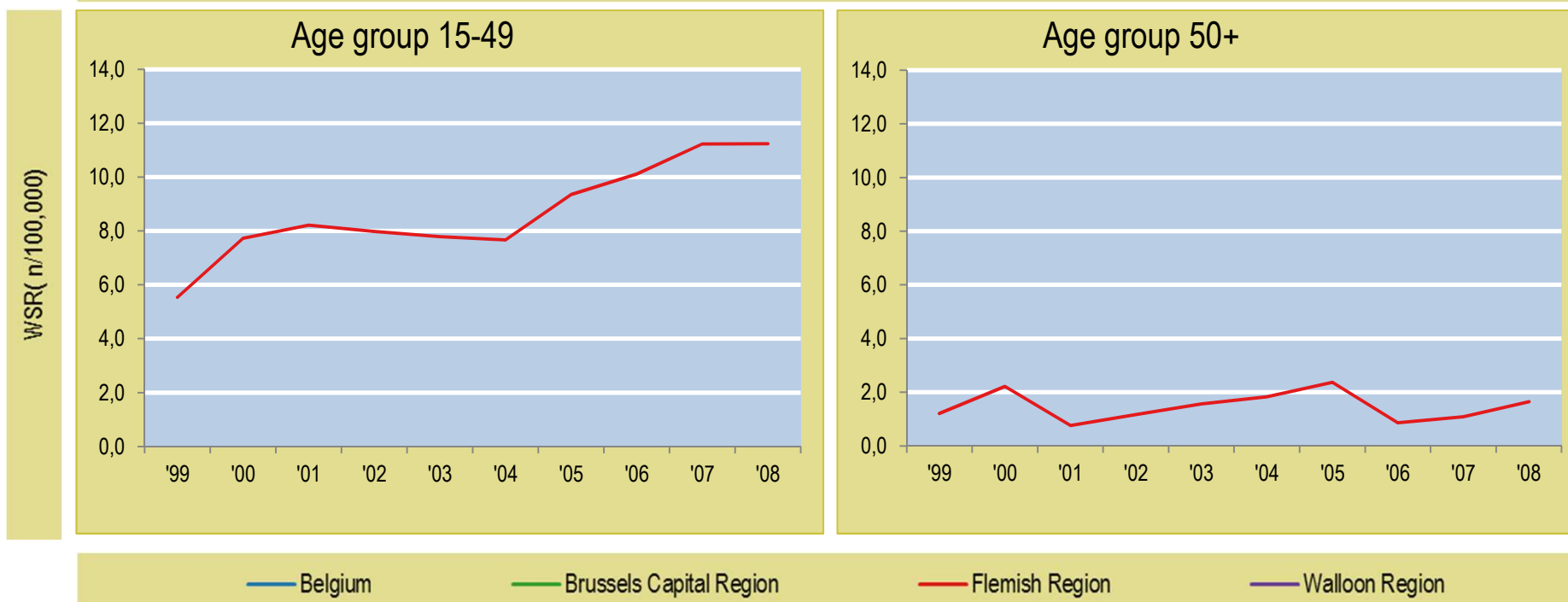


Testicular cancer, incidence by region

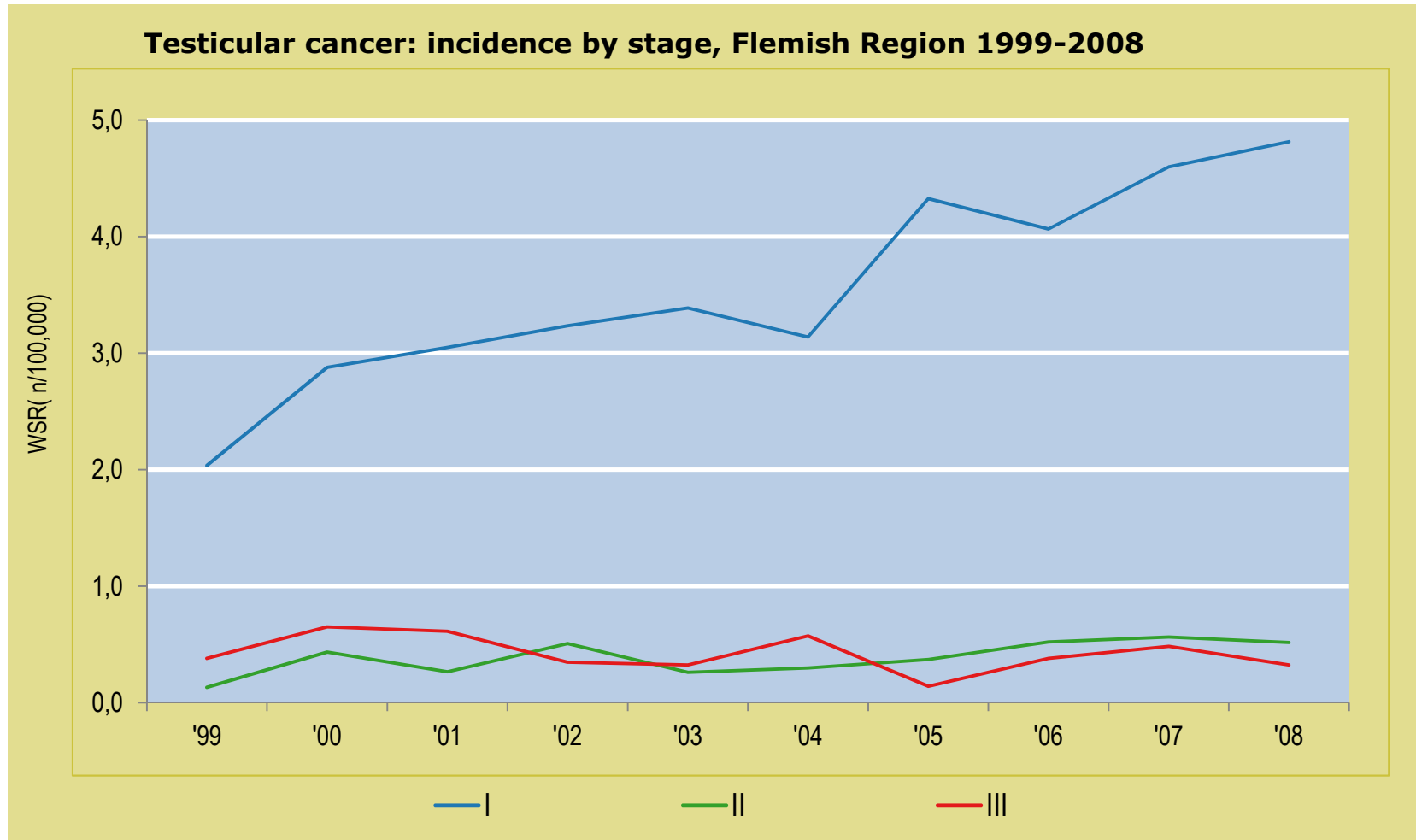


Testicular cancer

Testicular cancer: incidence by age group and region, 1999-2008



Testicular cancer, evolution by stage



Testicular cancer: incidence by histology, Flemish Region 1999-2008

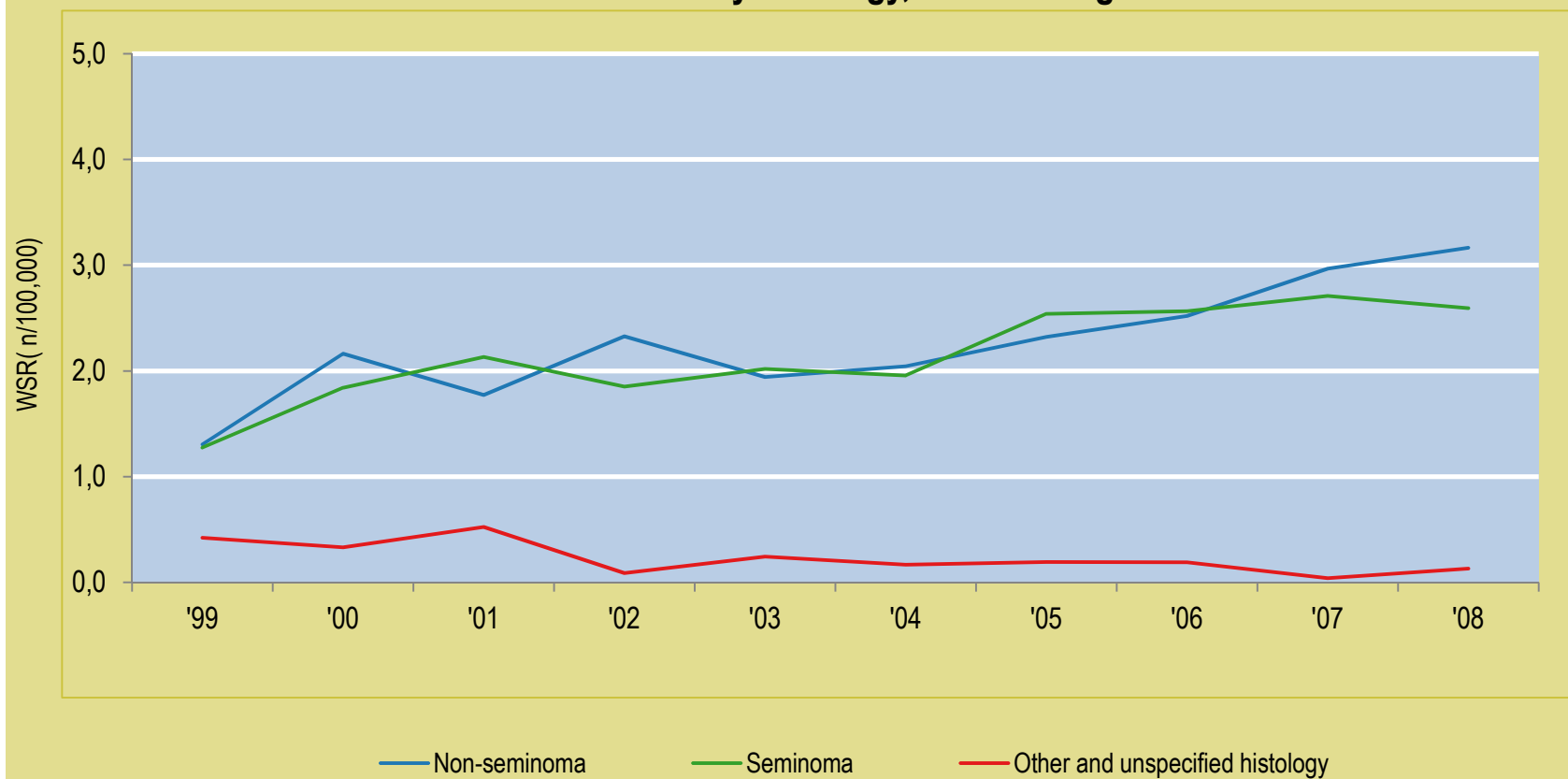
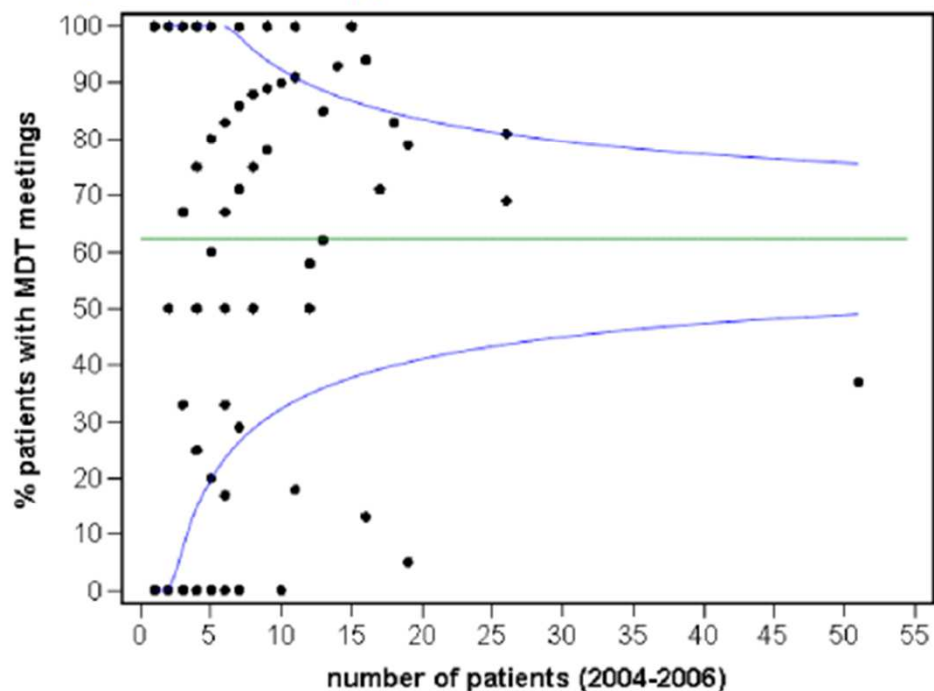


Figure 11. Proportion of patients with testicular cancer discussed during a multidisciplinary team meeting, analysis per centre (N=97), period 2004-2006 (BCR-IMA data only).



Kwaliteitsindicatoren in oncologie: teelbalkanker

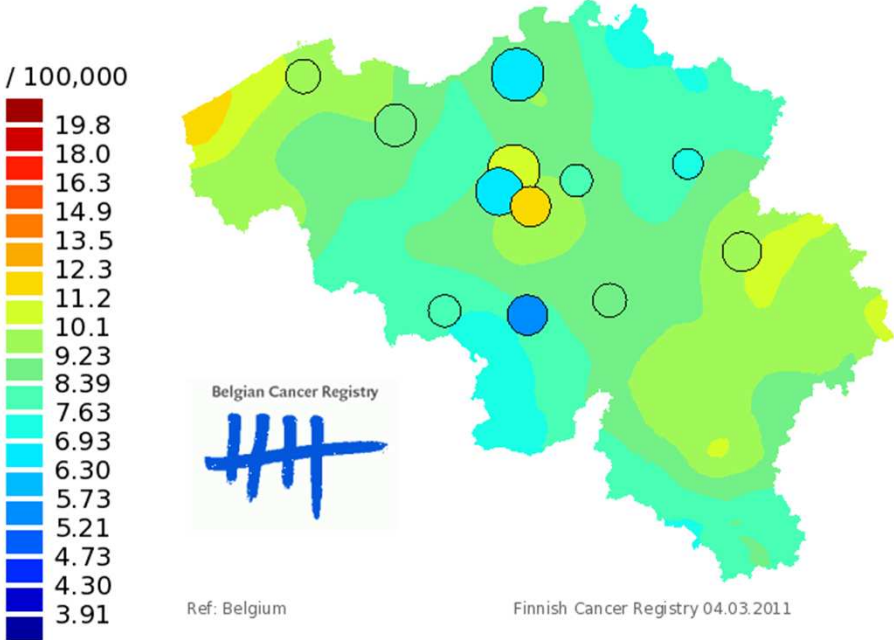
KCE-rapporten 149A

JOAN VLAYEN, FRANCE VRIJENS, KOEN BEIRENS, SABINE STORDEUR,
STEPHAN DEVRIESE, ELISABETH VAN EYCKEN

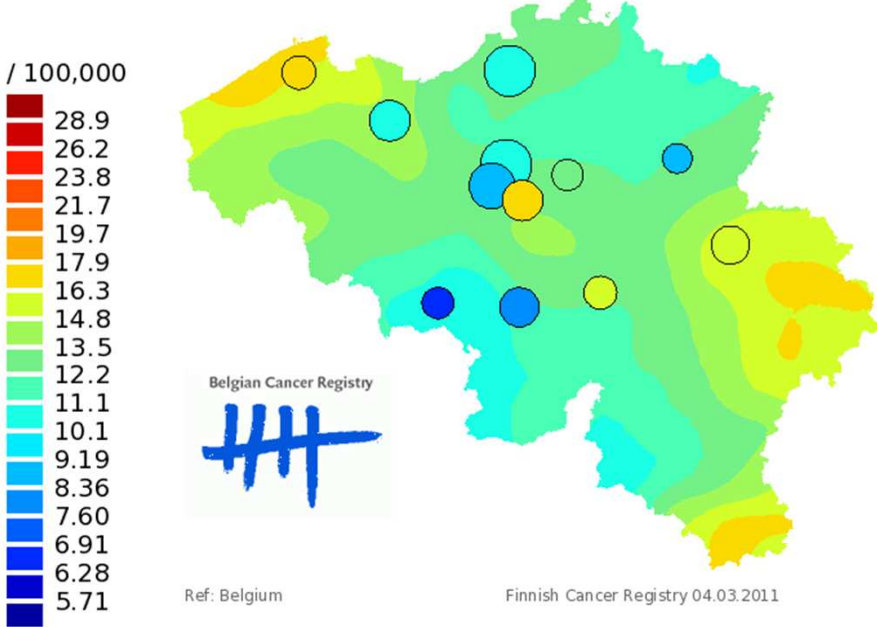
Malignant melanoma



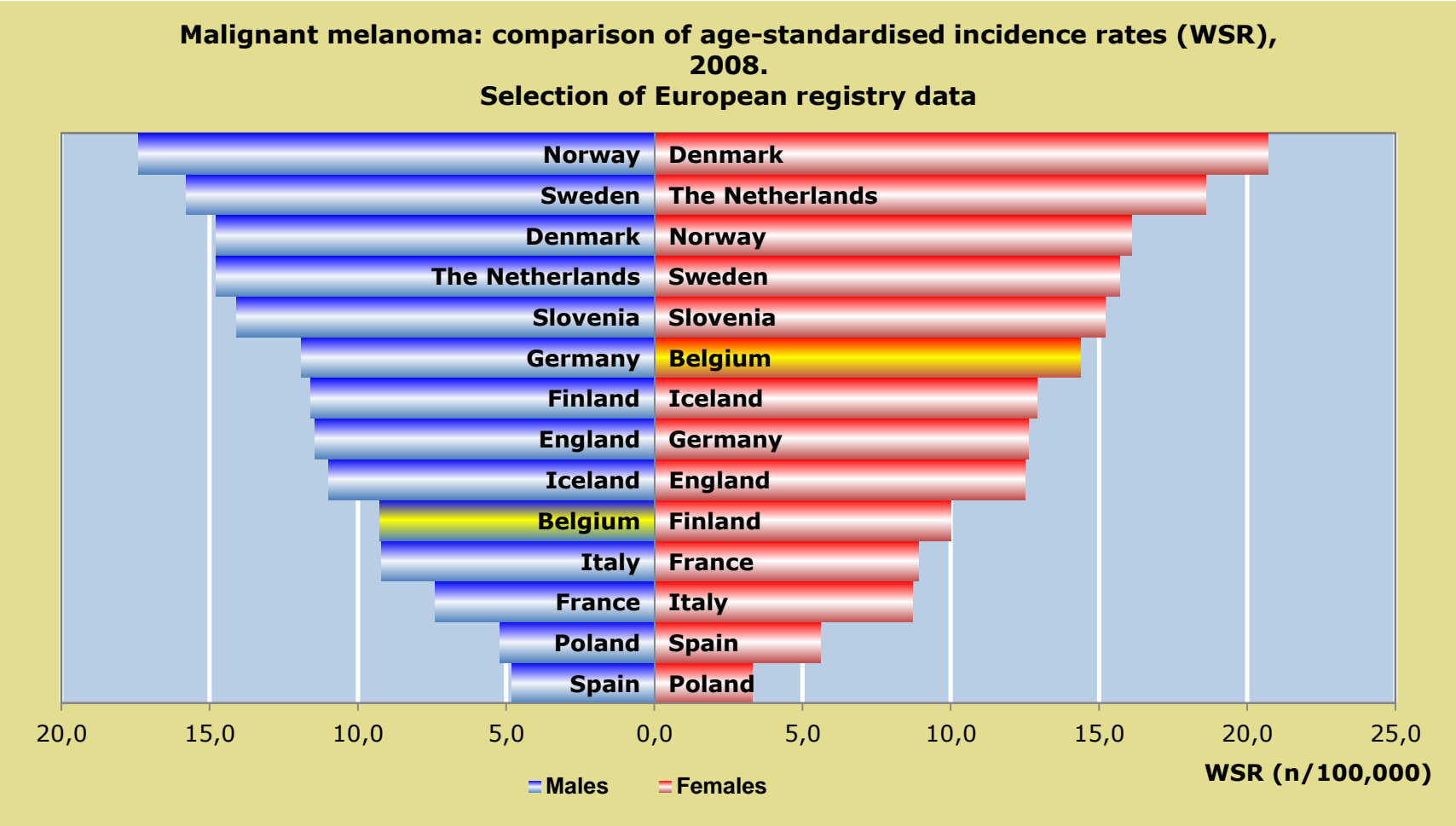
Incidence of melanoma
Males, Belgium, 2004-2008



Incidence of melanoma
Females, Belgium, 2004-2008



Malignant melanoma, European Comparison



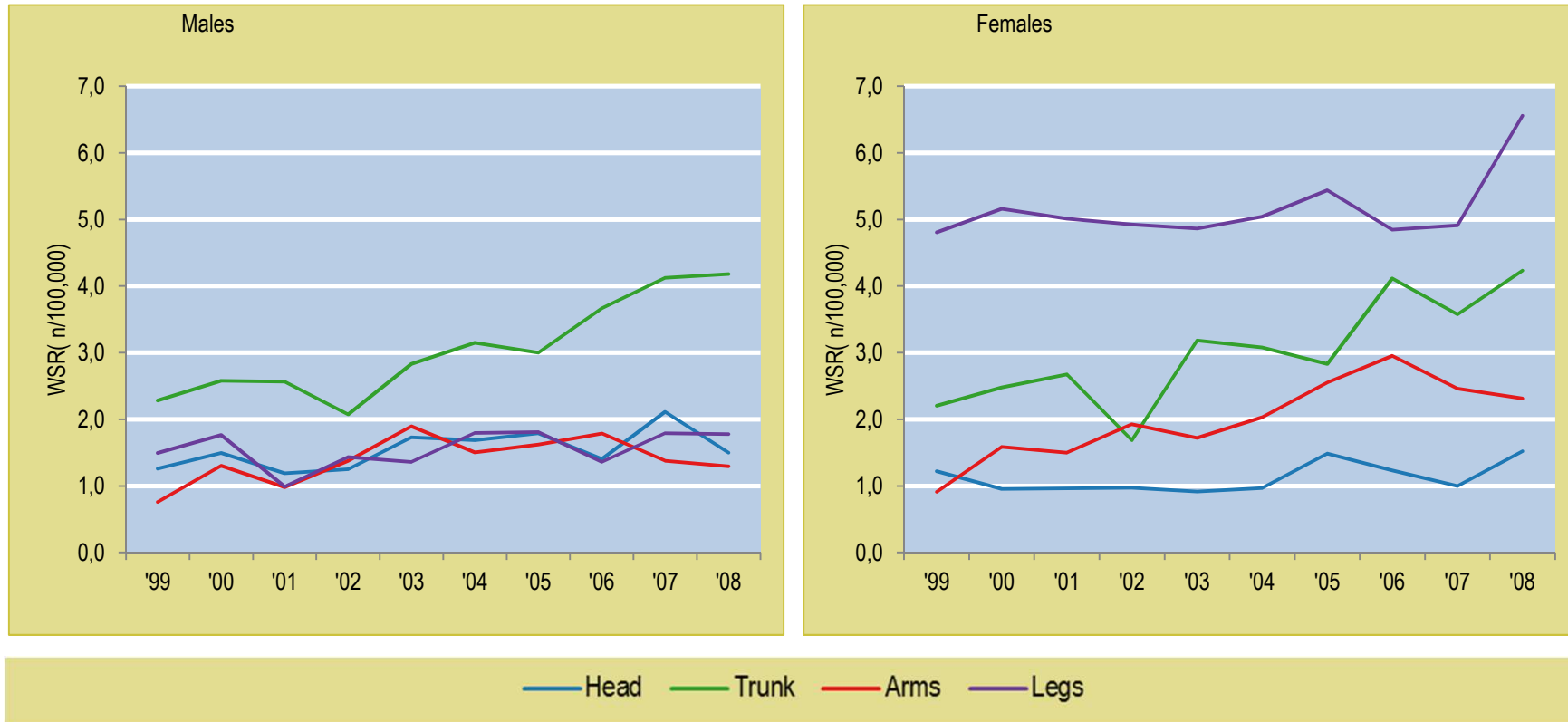
Malignant melanoma, incidence by region

Malignant melanoma: incidence and mortality by sex and region, 1999-2008

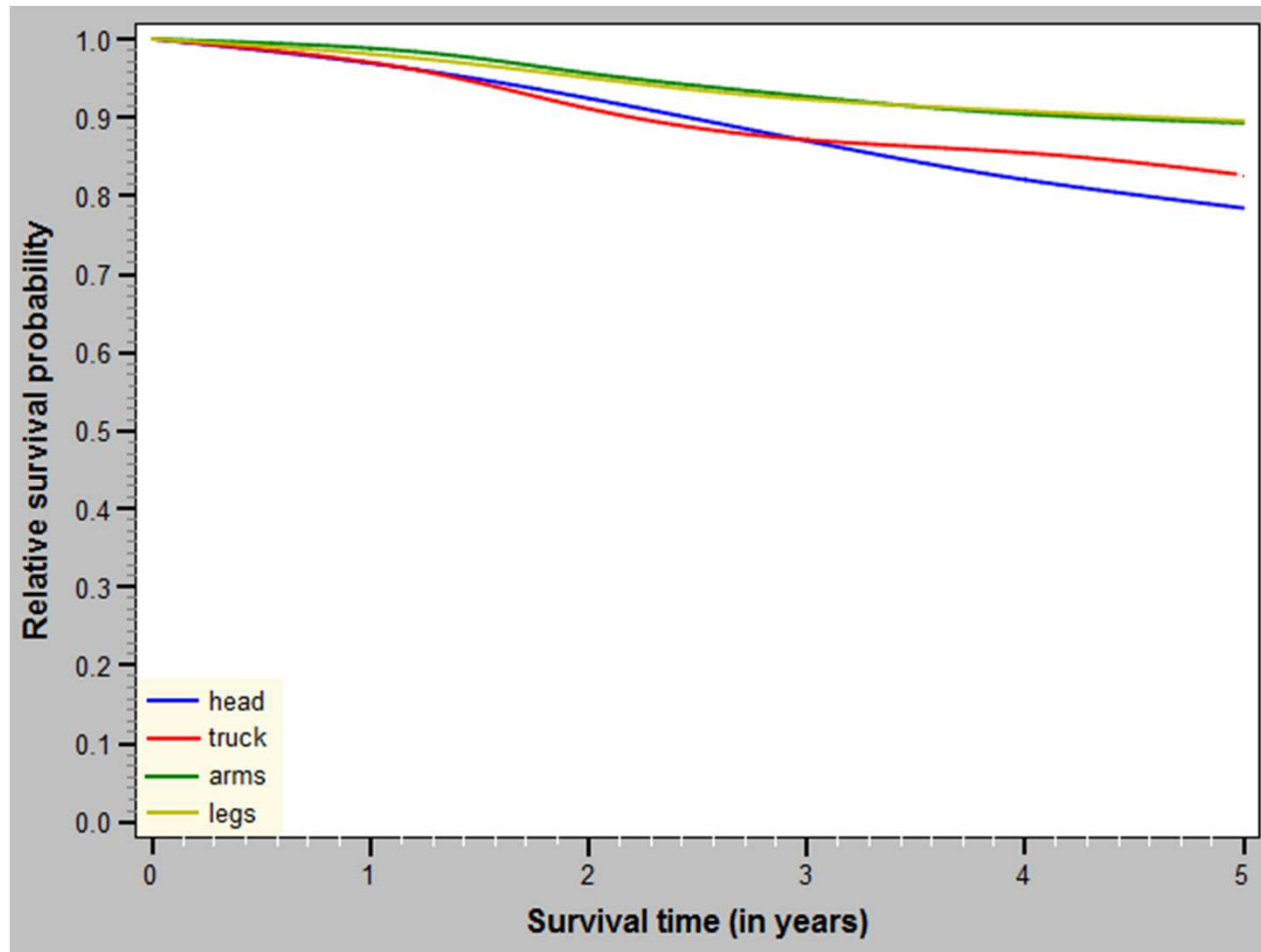


Malignant melanoma, evolution by skin localisation

Malignant melanoma: incidence by skin localisation and sex, Flemish Region 1999-2008



Melanoma, relative 5-year survival by localisation

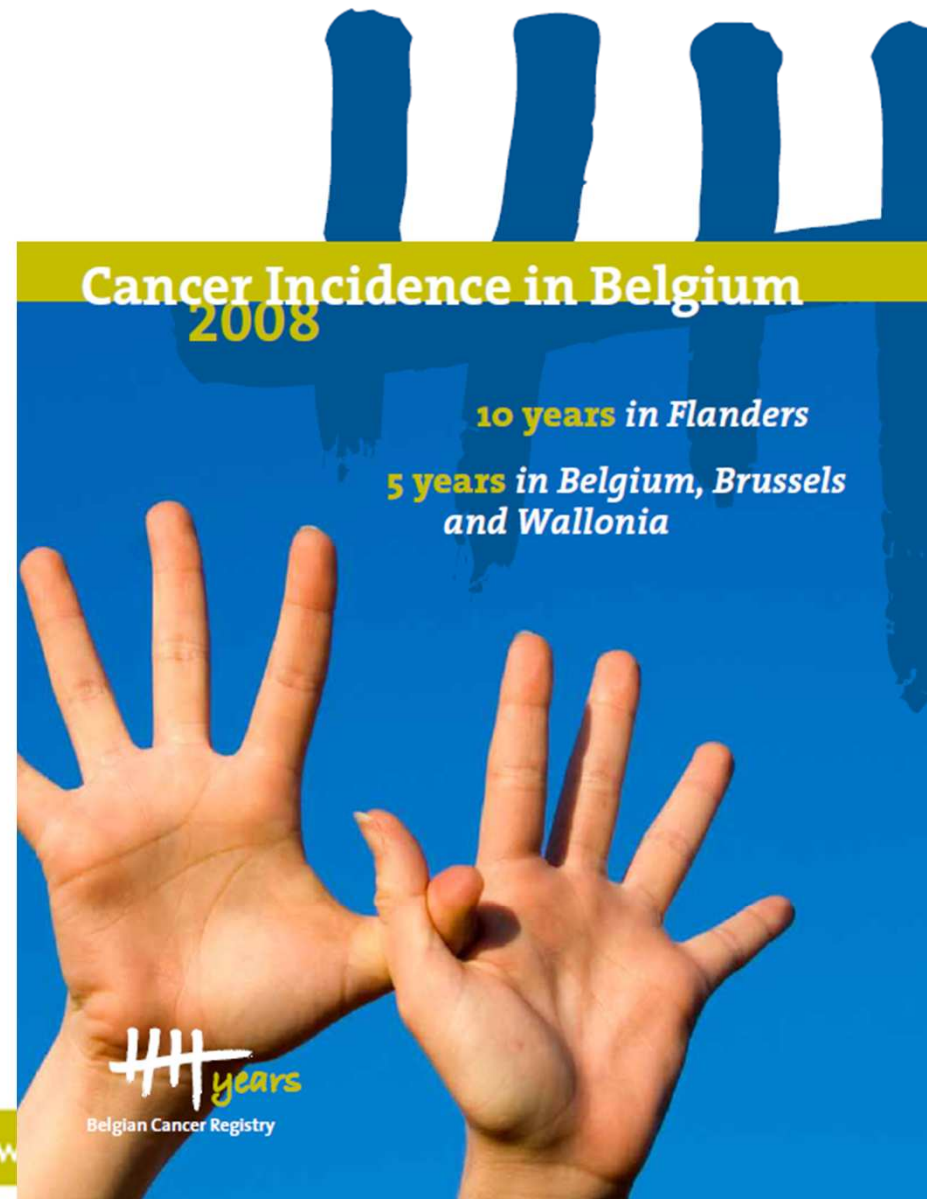


Objectives (3)

- Monitor survival trends
 - Effectiveness of treatment
 - Evaluation of new treatments
 - Population based!
 - => Quality of Care
- Primary and secondary prevention...
 - Screening programmes => see next speakers

Dank u voor uw aandacht, Merci pour votre attention!

BELGIAN CANCER REGISTRY



www.kankerregister.org | www.kankerregister.org

years