Malignant melanoma of the skin in the GRELL countries: variation in anatomic site and survival, by sex

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***on behalf of* the CONCORD Working Group**

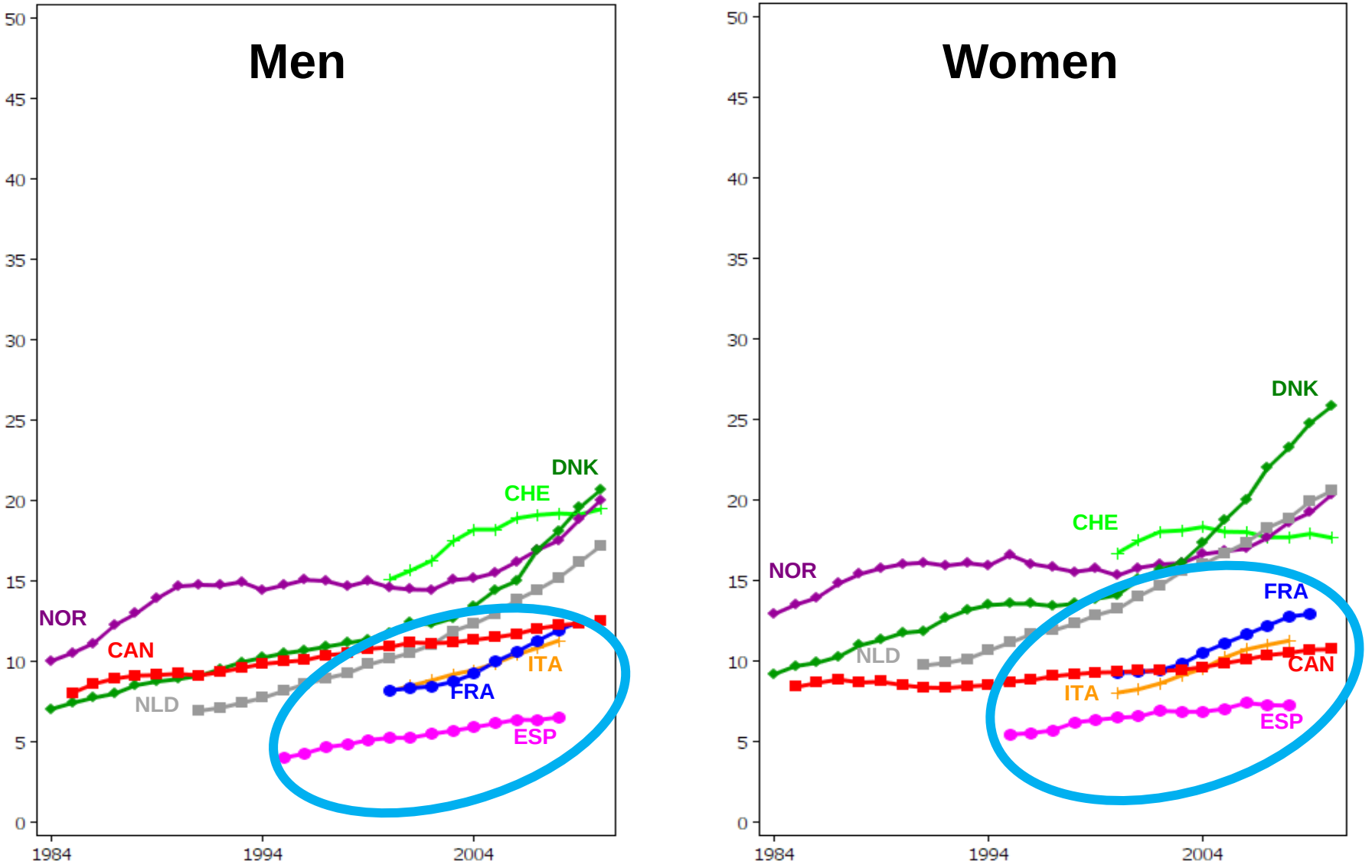
CONCORD
Global surveillance of cancer survival

LONDON SCHOOL *of* HYGIENE &TROPICAL MEDICINE

Cancer Survival Group

GRELL | Luxembourg 12-14 May 2021

Cutaneous malignant melanoma
Incidence in Europe and Canada



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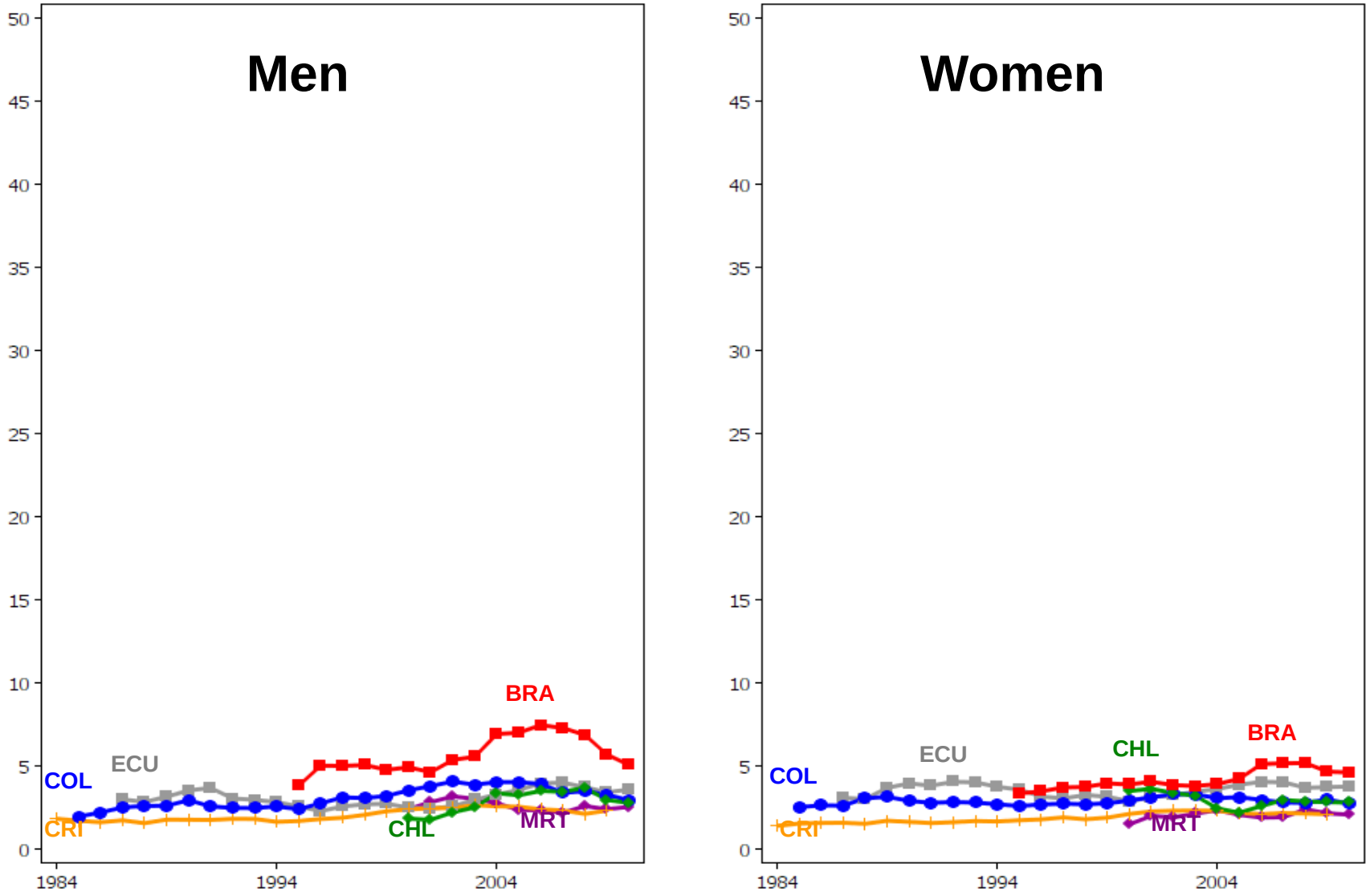
Cutaneous malignant melanoma
Incidence in Latin America



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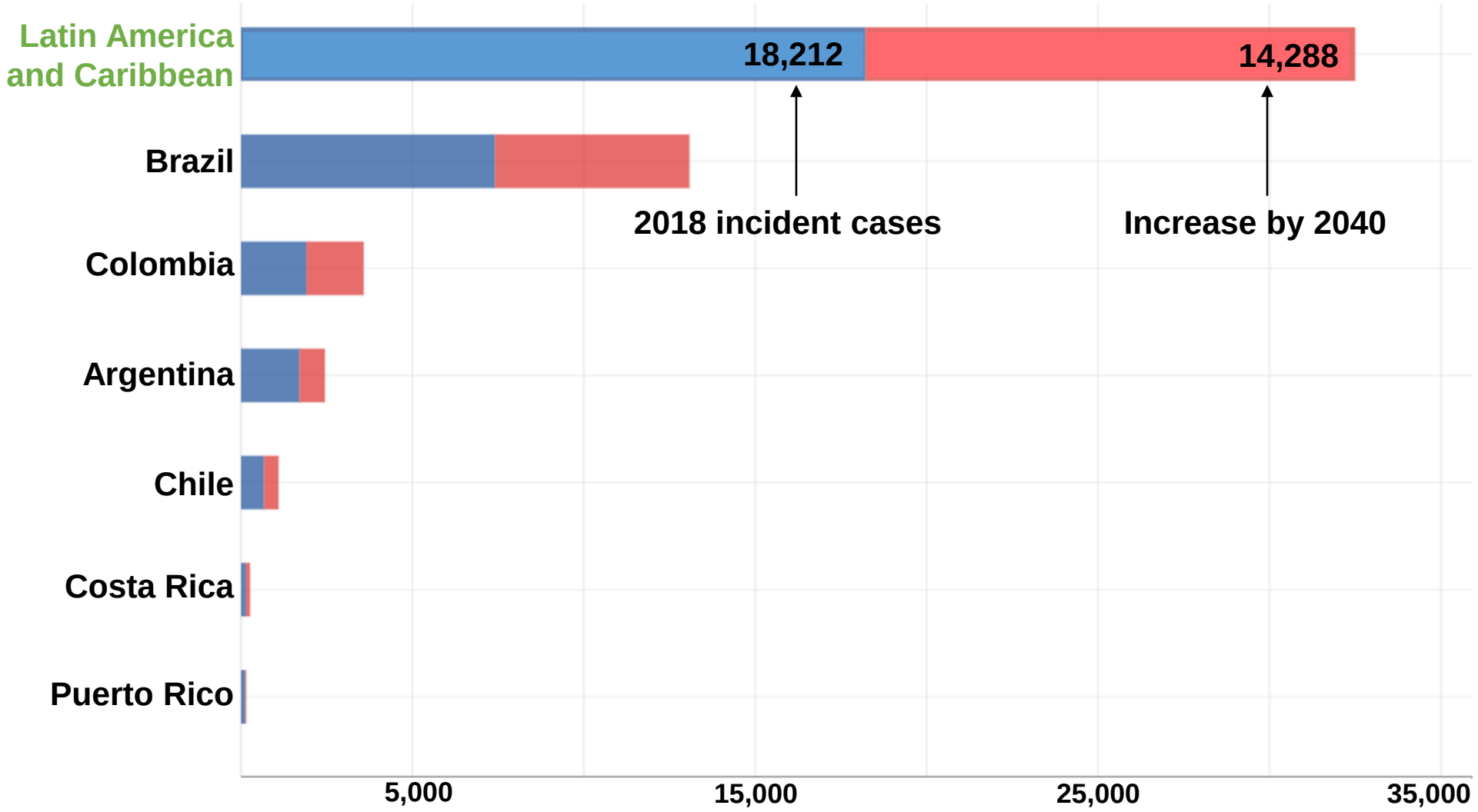
Estimated number of incident cases: 2018 to 2040



http://ci5.iarc.fr/CI5plus/Default.aspx

Global surveillance of cancer survival

CONCORD-3

- 322 population-based cancer registries
- 71 countries and territories
- Patients diagnosed 2000-2014, follow-up to 2014
- 18 common cancers, 75% of the global burden

37,513,025 individual patient records

1,553,109 melanoma of the skin

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Global surveillance
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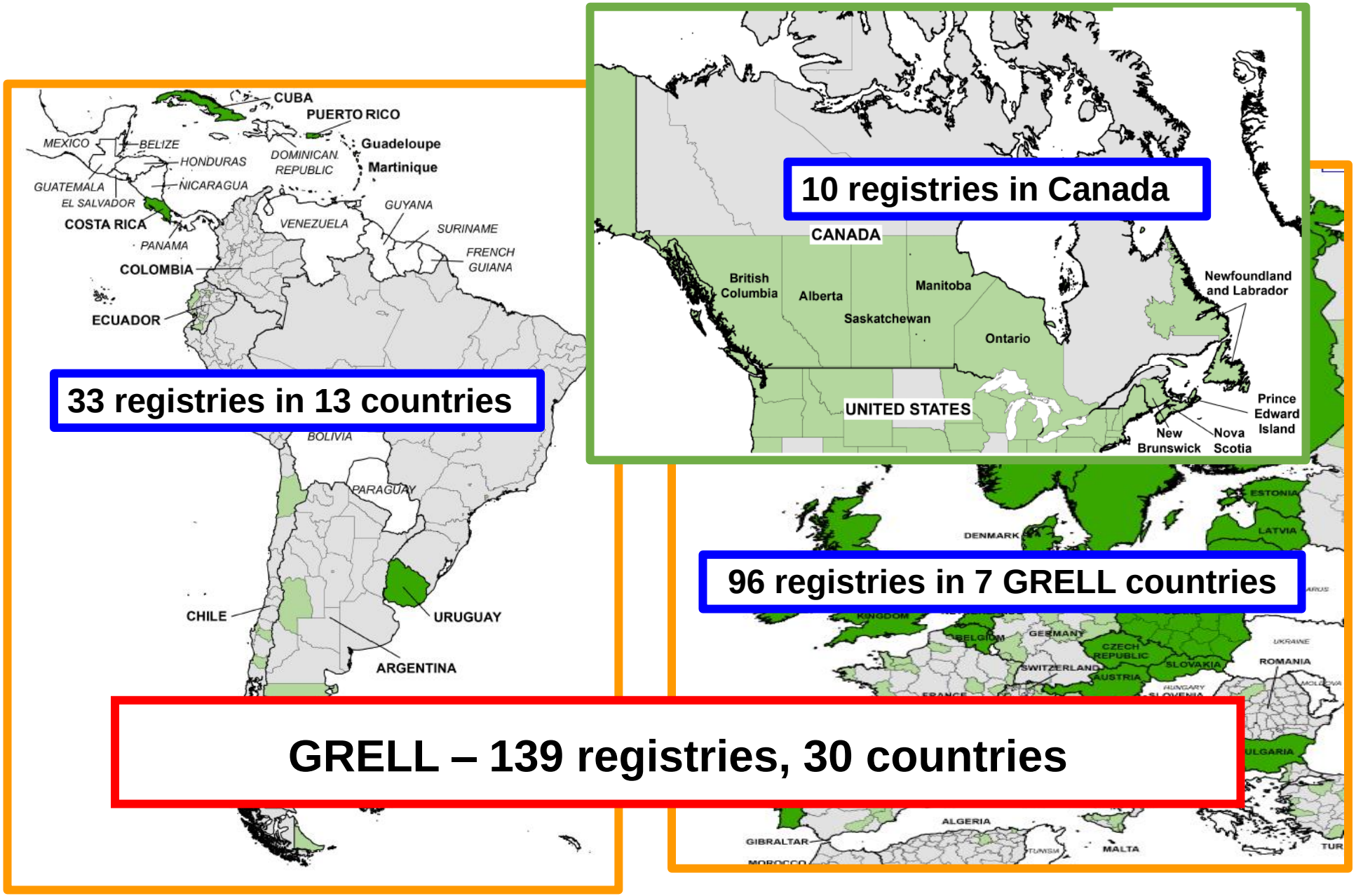
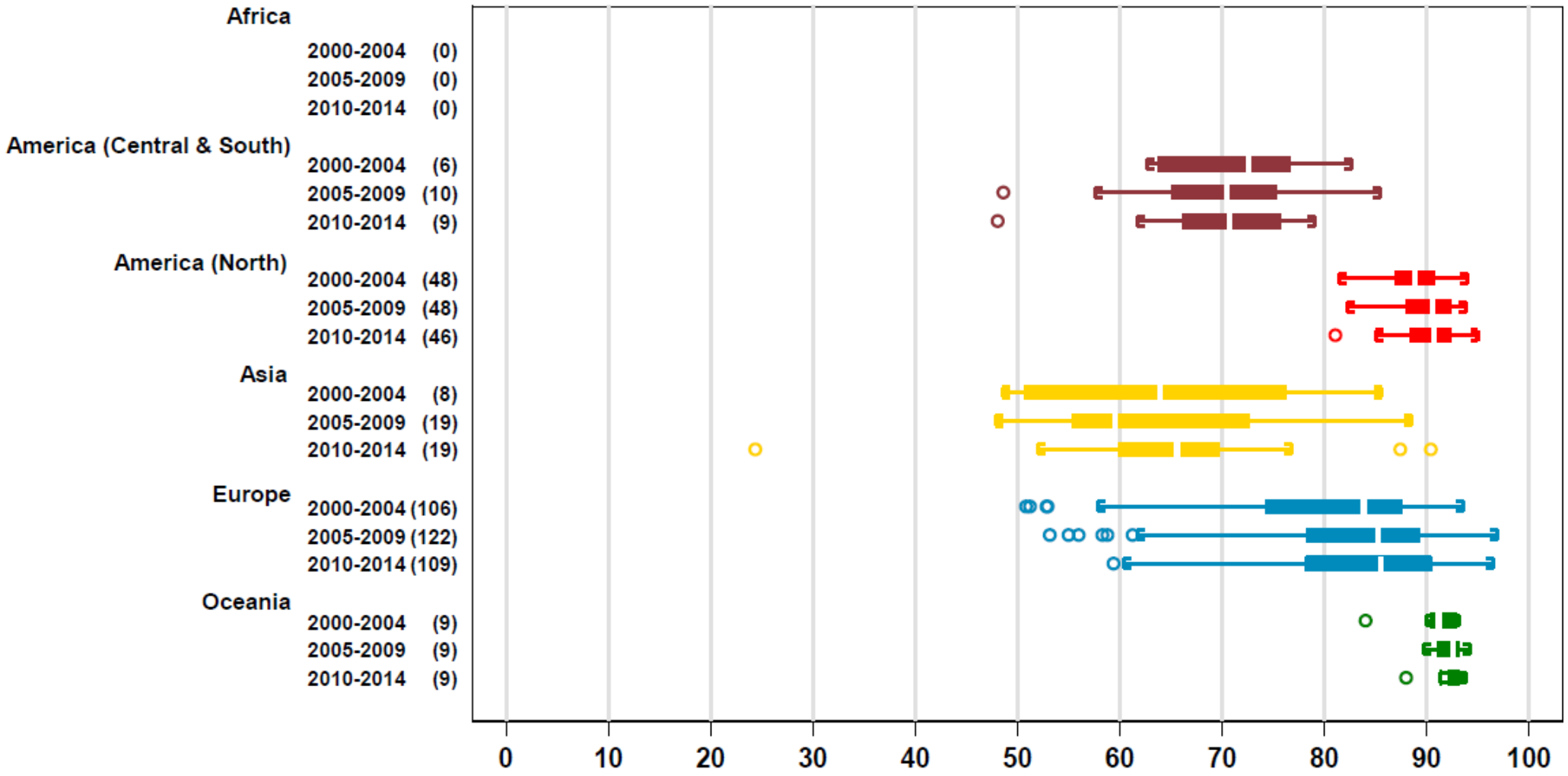
GRELL countries



Global range of age-standardised 5-year net survival (%)
228 cancer registry in 51 countries



Allemani *et al.*, Lancet 2018

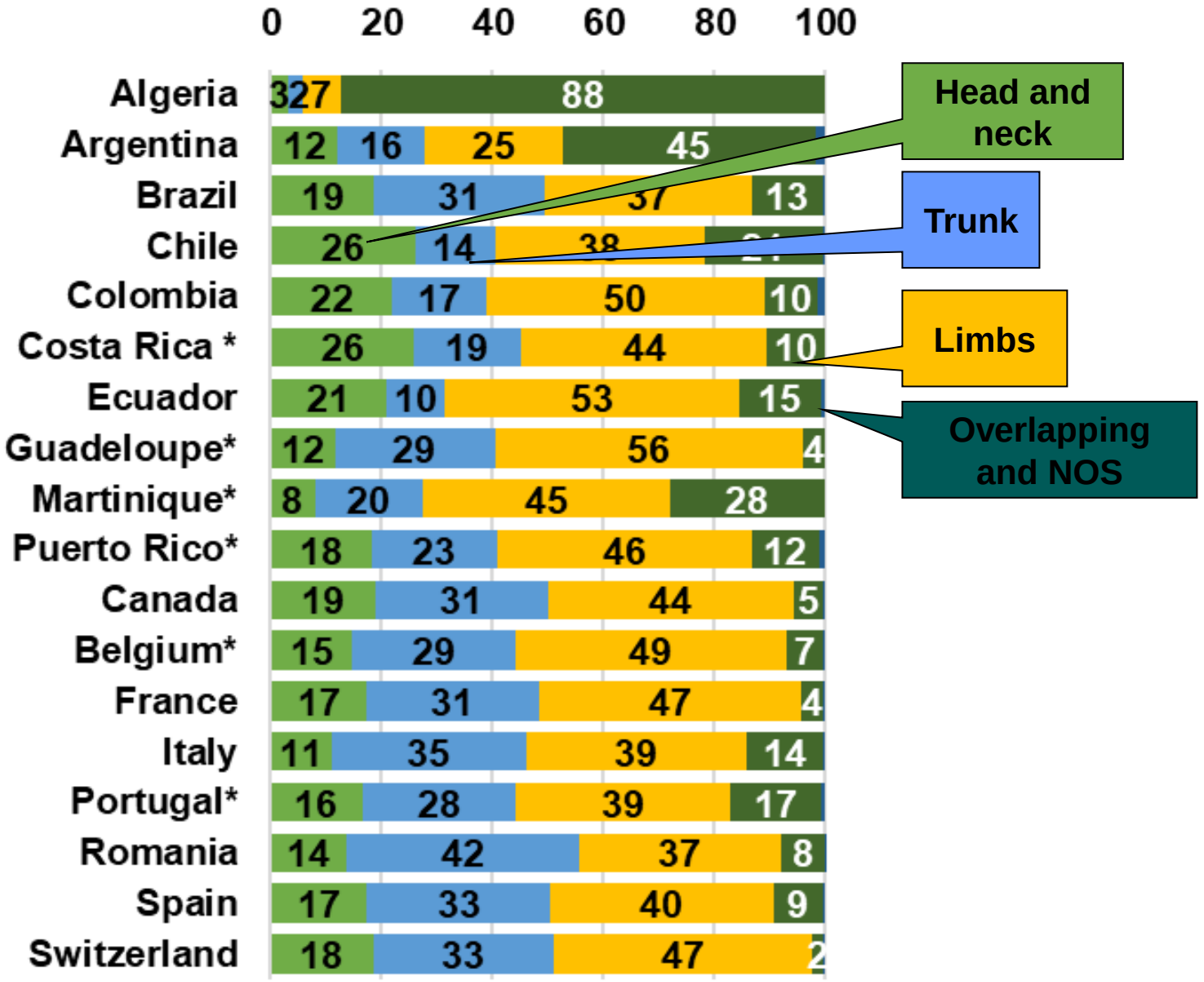
Methods

- Centralised data quality controls
- Design: cohort, cohort, period
- Net survival: Pohar Perme (non-parametric, unbiased estimator)
- Life tables*: all-cause mortality rates by age, sex, geographical area (country, state, region) and single calendar year
- Age-standardisation: International Cancer Survival Standard weights

Group	ICD-O-3 topography
Head and neck	C440 – C444
Trunk	C445
Limbs	C446 – C447
Genital organs	C519 – C510, C609, C632
Overlapping and NOS	C448 – C449

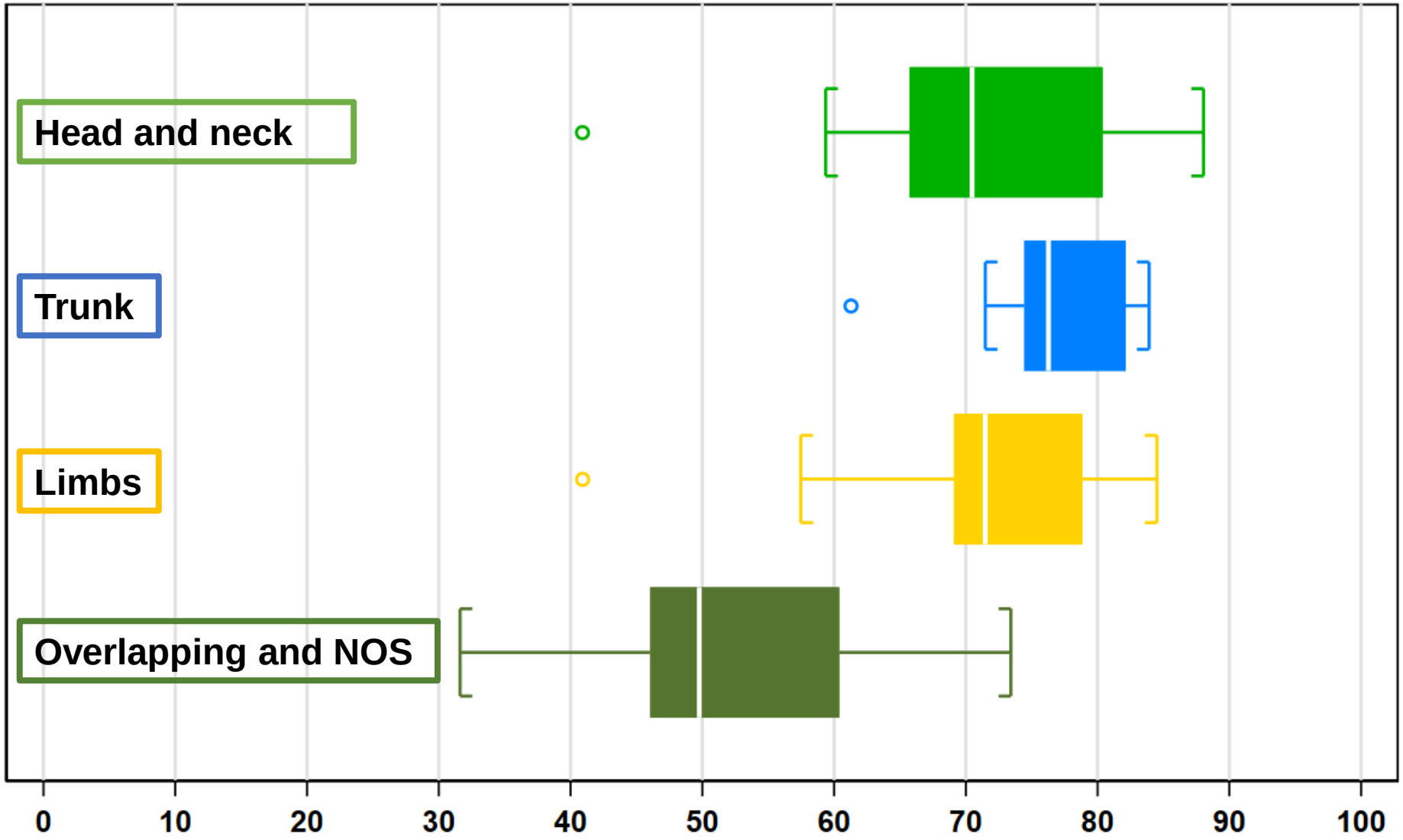
* https://csg.lshtm.ac.uk/life-tables/

Anatomic site

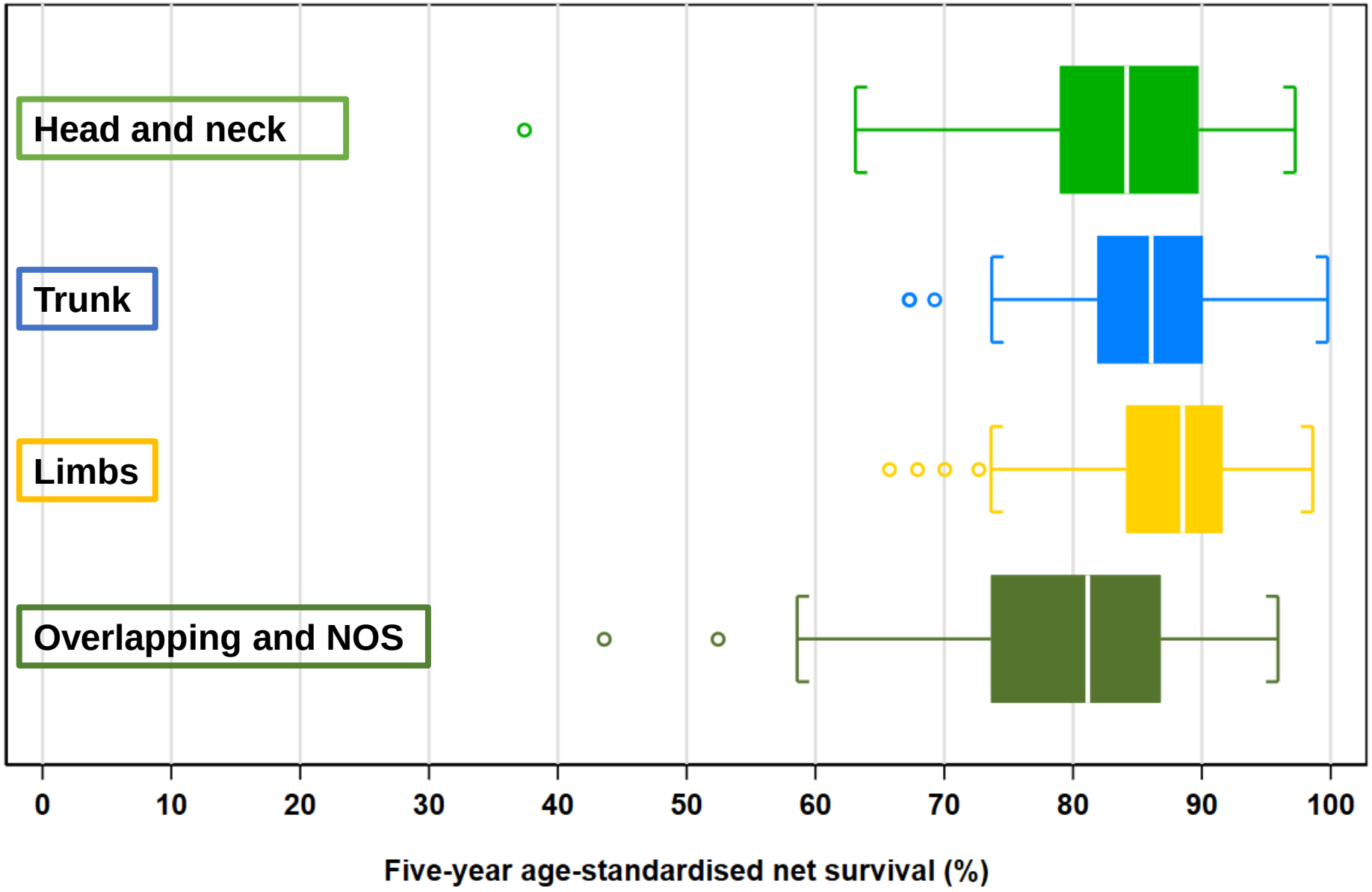


* National coverage

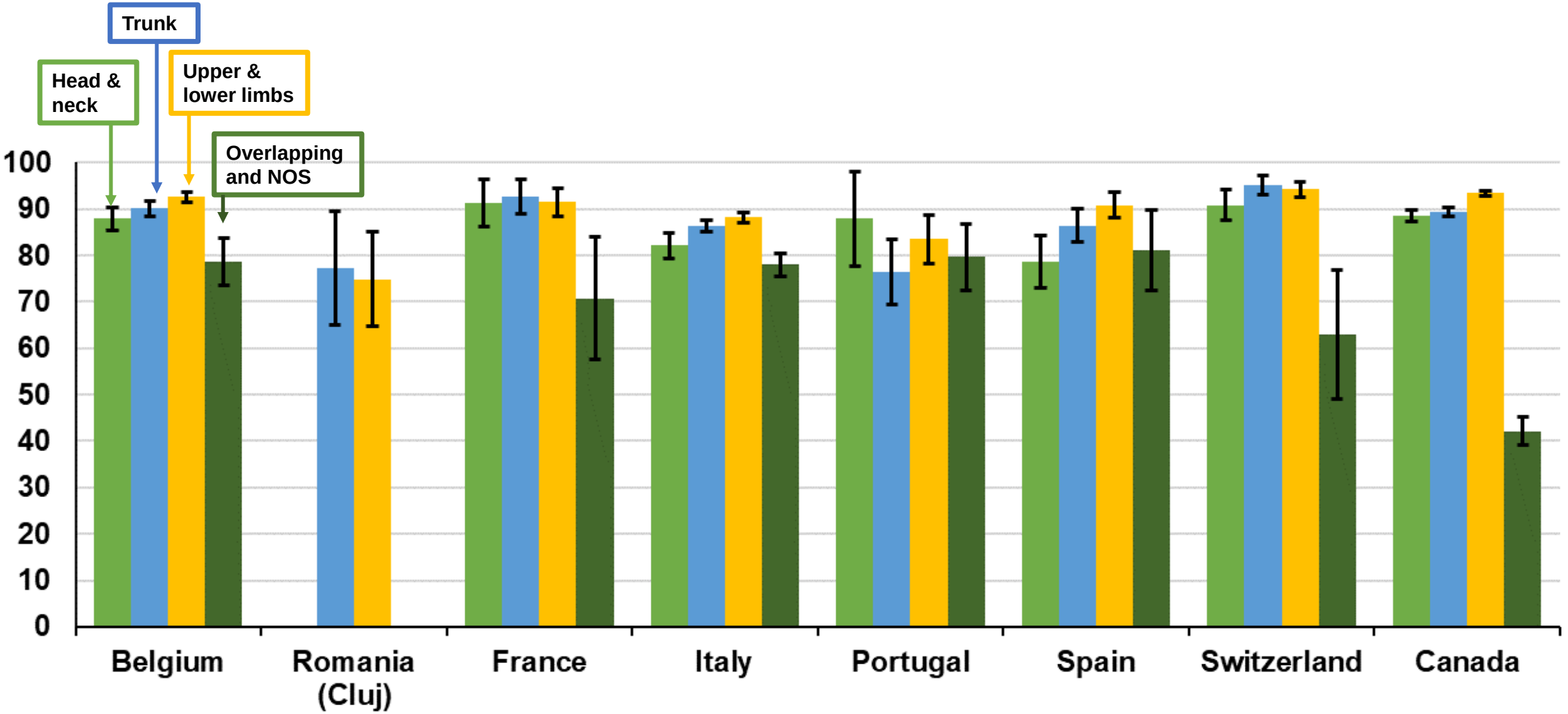
Range of age standardised 5-year net survival in America (Central and South), by anatomic site (2000-2014)



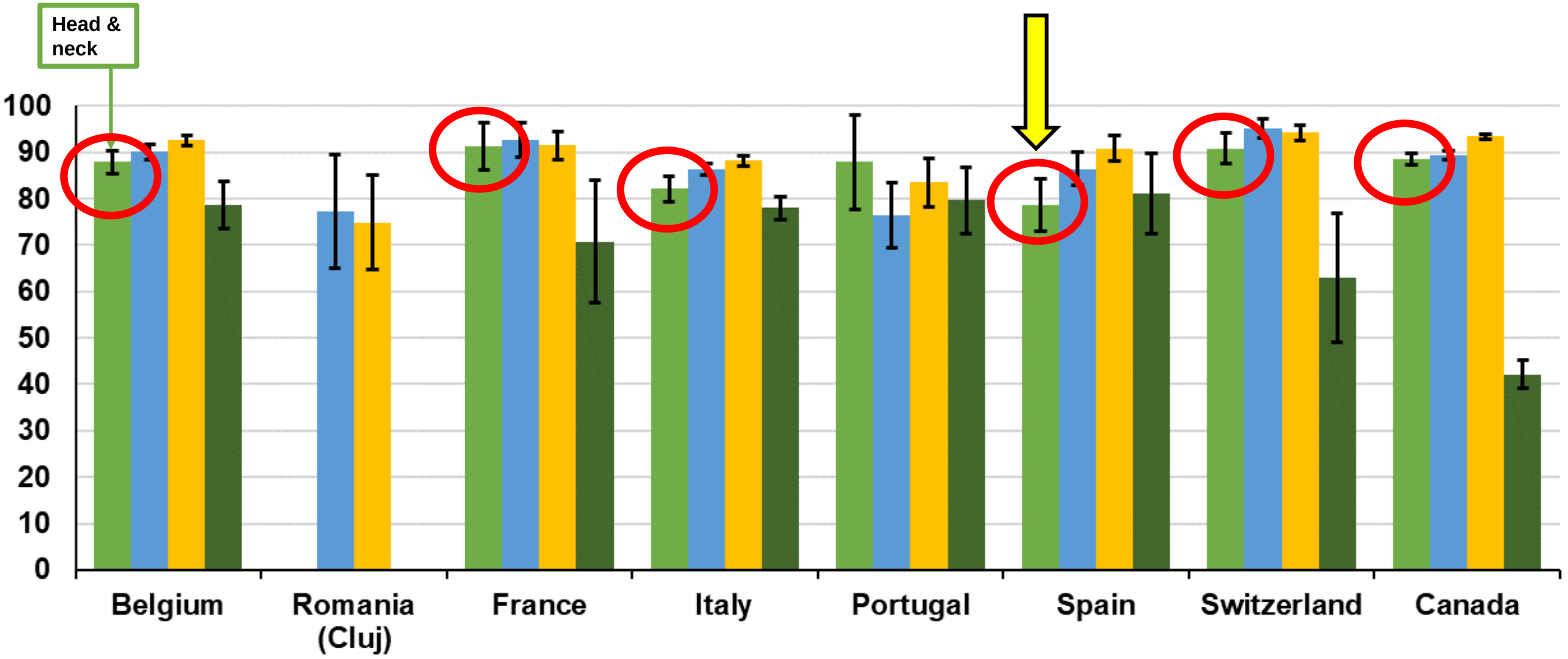
Range of age standardised 5-year net survival in Europe, by anatomic site (2000-2014)



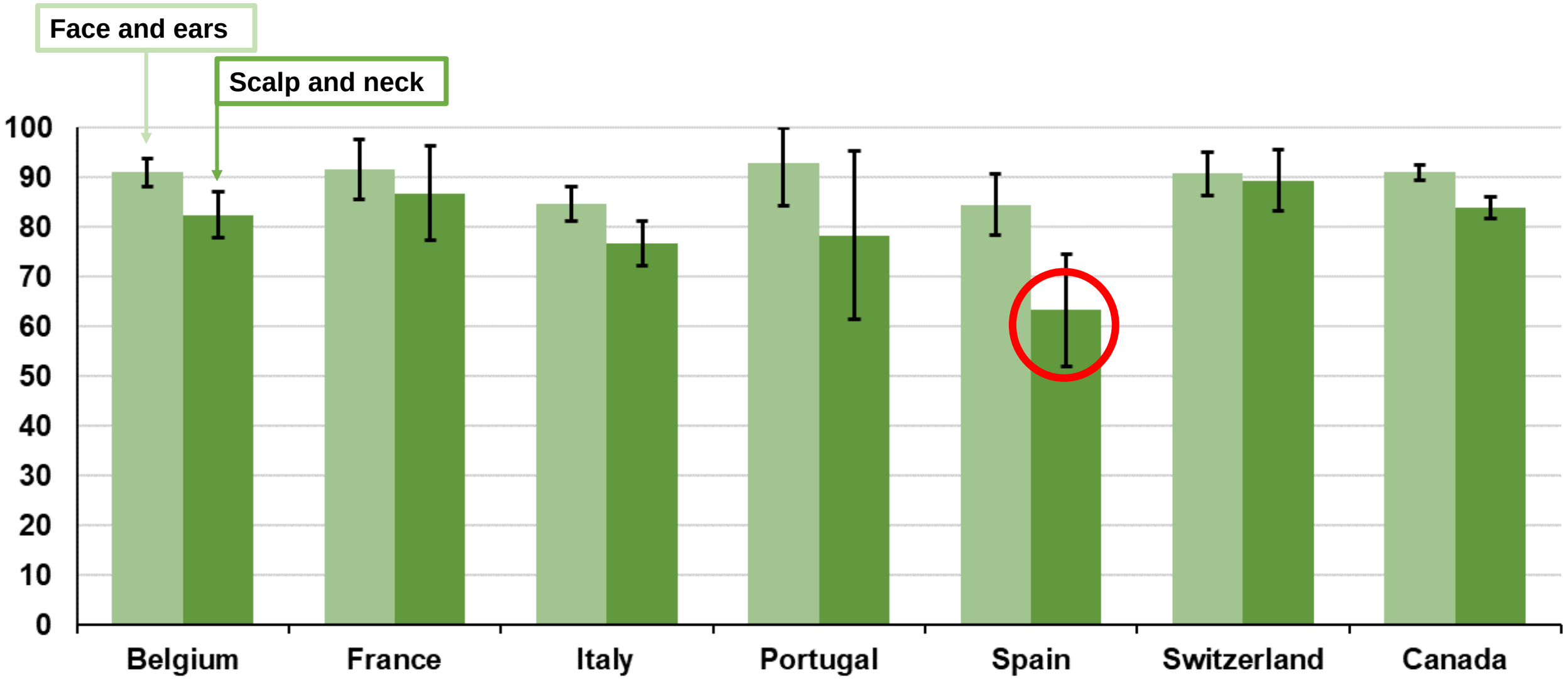
Age-standardised 5-year net survival in Europe and Canada by anatomic site during 2010-14



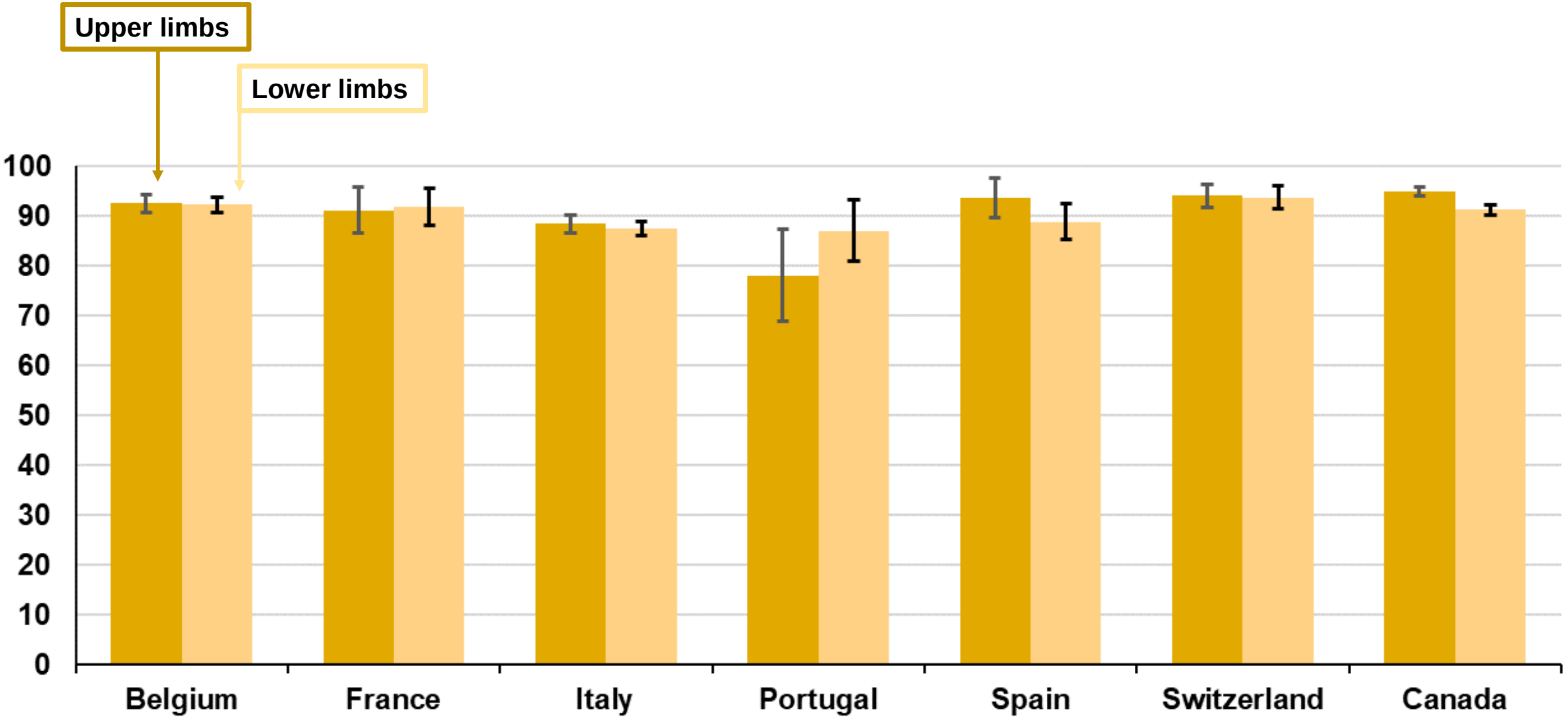
Age-standardised 5-year net survival in Europe and Canada by anatomic site during 2010-14: head and neck



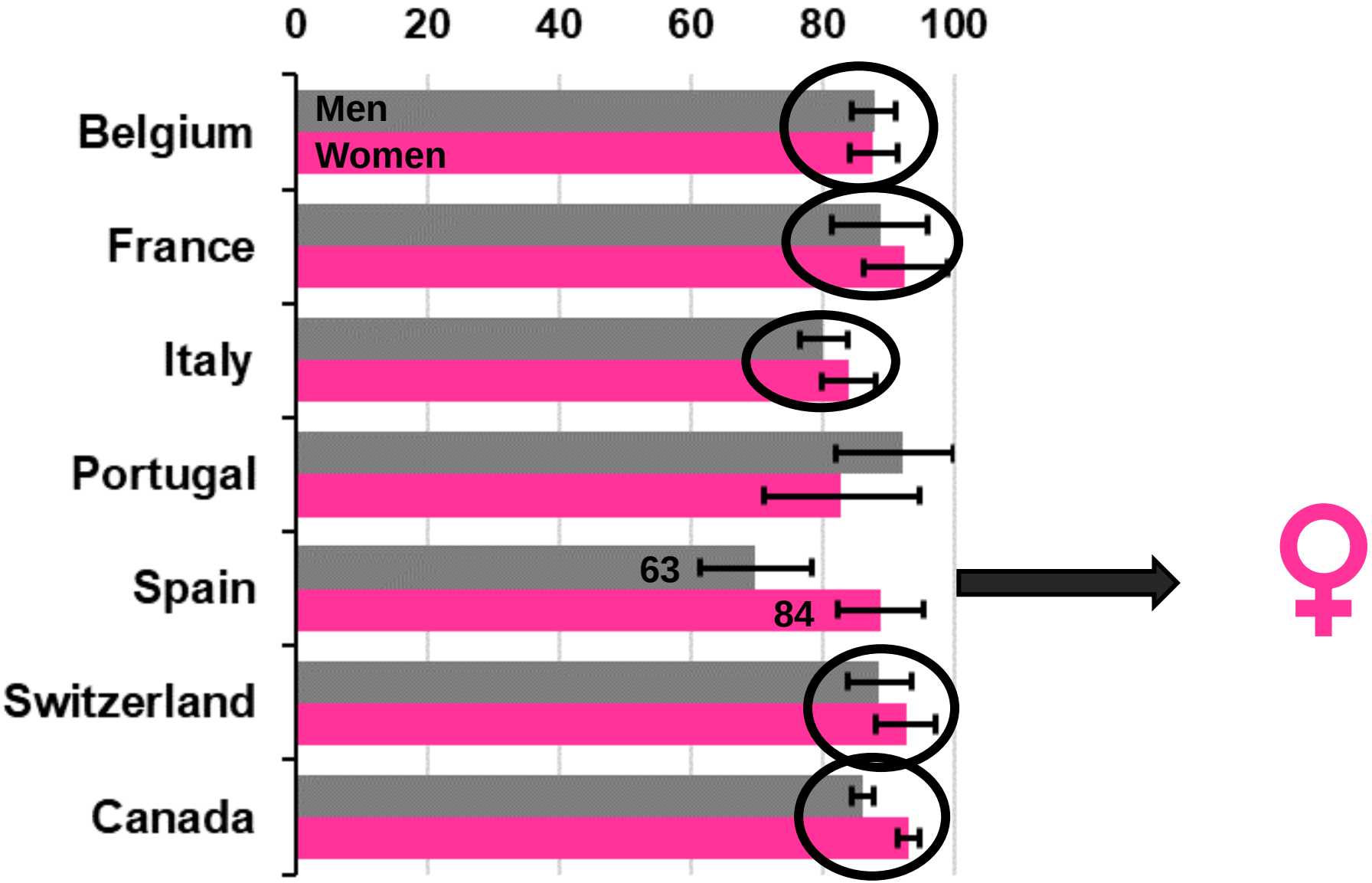
Age-standardised 5-year net survival in Europe and Canada by anatomic site during 2010-14: head and neck



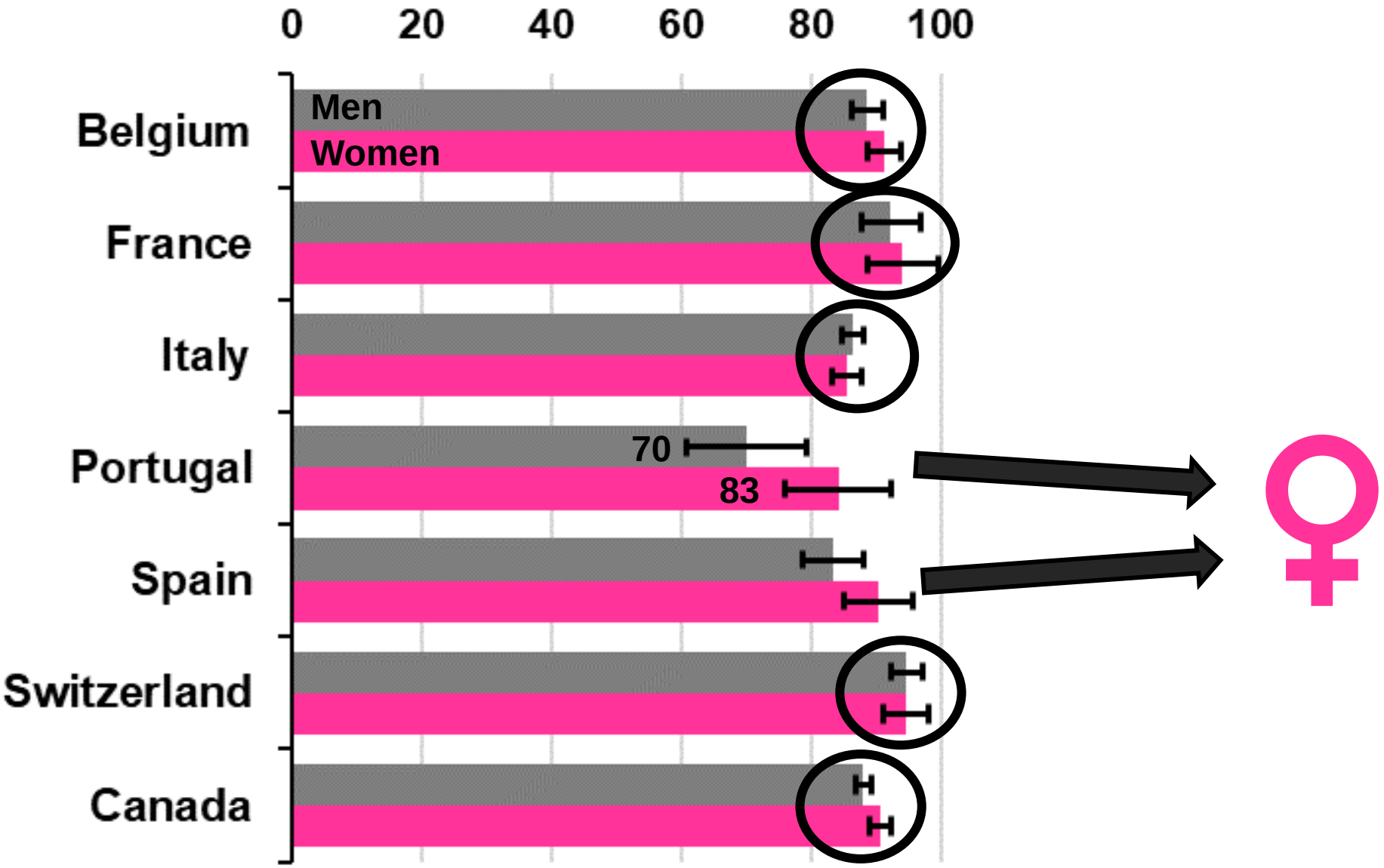
Age-standardised 5-year net survival in Europe and Canada by anatomic site during 2010-14: upper and lower limbs



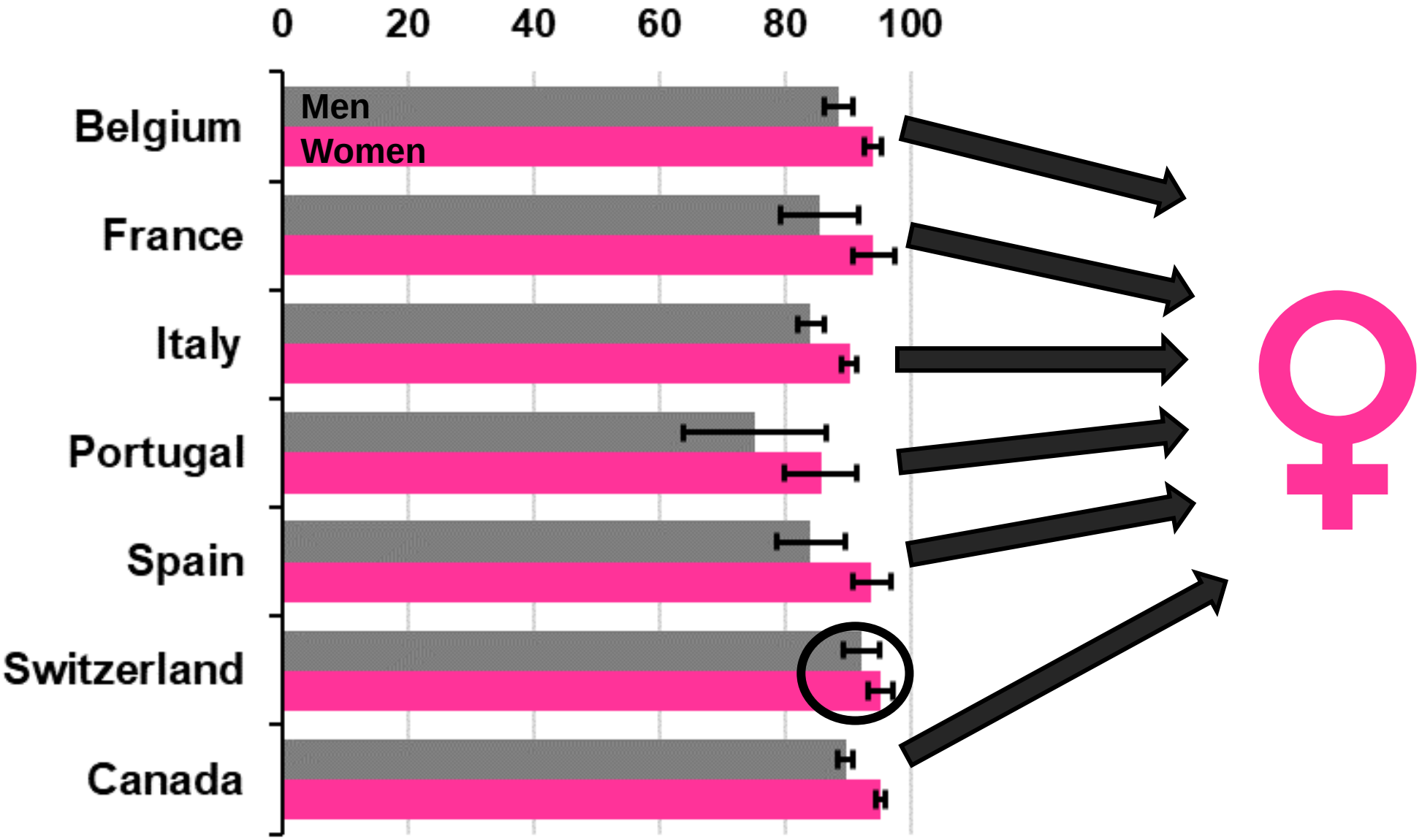
Age standardised 5-year net survival in Europe and Canada by sex during 2010-2014 : head and neck



Age standardised 5-year net survival in Europe and Canada by sex during 2010-2014 : trunk



Age standardised 5-year net survival in Europe and Canada by sex during 2010-2014 : upper and lower limbs



Conclusions

- More frequent locations: trunk in men and limbs in women in Europe
- In Latin America
  - Higher proportion of melanoma of the head and neck
  - Lower proportion of truncal melanoma
- Survival for melanoma of the head and neck
  - Slightly lower than other locations in all European countries
  - Lower for head and scalp than face and ears
- Survival for melanoma of the limbs
  - Higher in women
  - No differences between higher and lower limbs
- Rise awareness on the risk of melanoma of the skin in Latin America
- Improve survival for melanoma of the scalp and neck

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Lancet. 2018 Mar 17;391(10125):1023-1075. doi: 10.1016/S0140-6736(17)33326-3. Epub 2018 Jan 31.

Global surveillance of trends in cancer survival 2000-14 (CONCORD-3): analysis of individual records for 37 513 025 patients diagnosed with one of 18 cancers from 322 population-based registries in 71 countries.

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Collaborators (572)

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All 572 co-authors are indexed in PubMed

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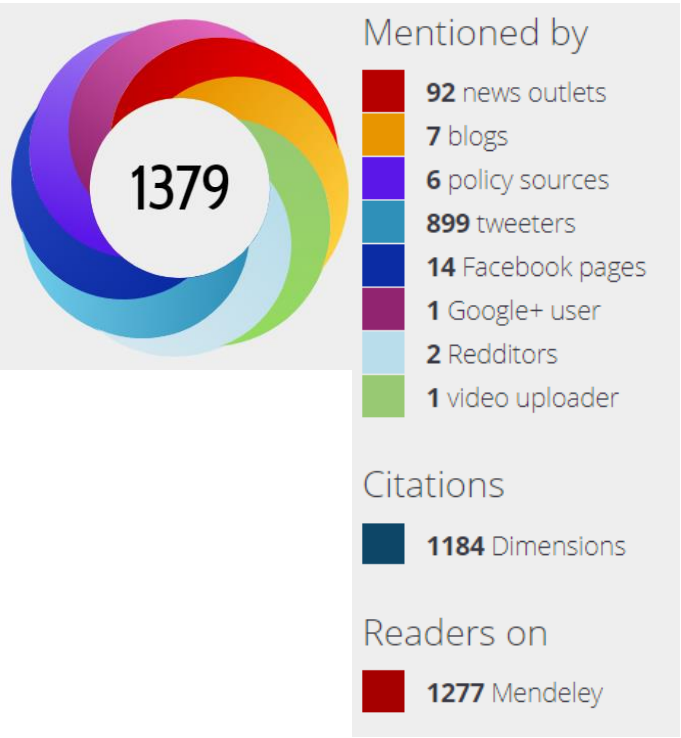

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ricerca svizzera contro il cancro
swiss cancer research

krebsliga schweiz
ligue suisse contre le cancer
lega svizzera contro il cancro

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World Health Organization

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BETTER MEDICINE
BEST PRACTICE

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PACT

UICC
global cancer control

ECCO
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NAACCR
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I.C.D.C.

MAC
MEPs Against Cancer

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ECL
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