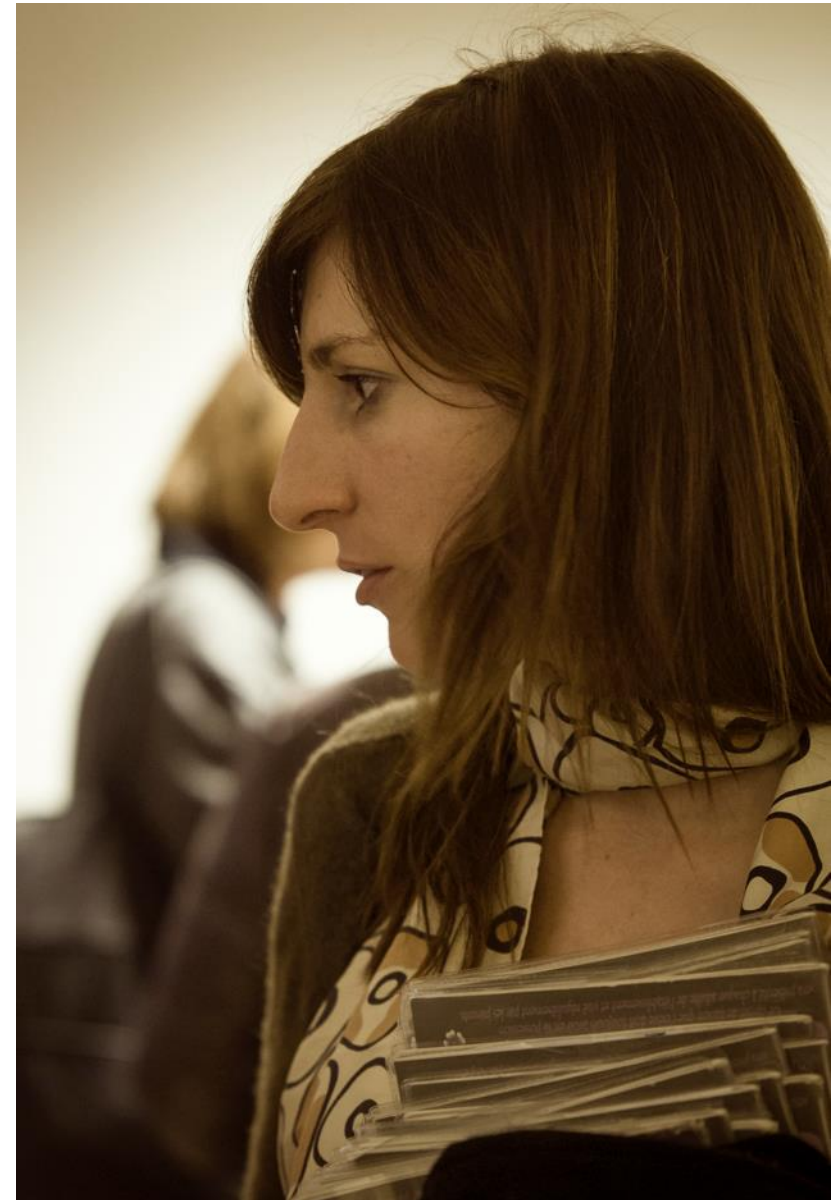




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Cancer mortality by migrant background in Belgium



Wanda Van Hemelrijck
Hadewijch Vandenheede
Helga de Valk



The Mission



© Francesco Terzini

Map out **cancer mortality differences** by migrant background in Belgium

Look into **possible determinants** of the observed patterns

Back to basics

“Are migrants really healthier than natives?!”

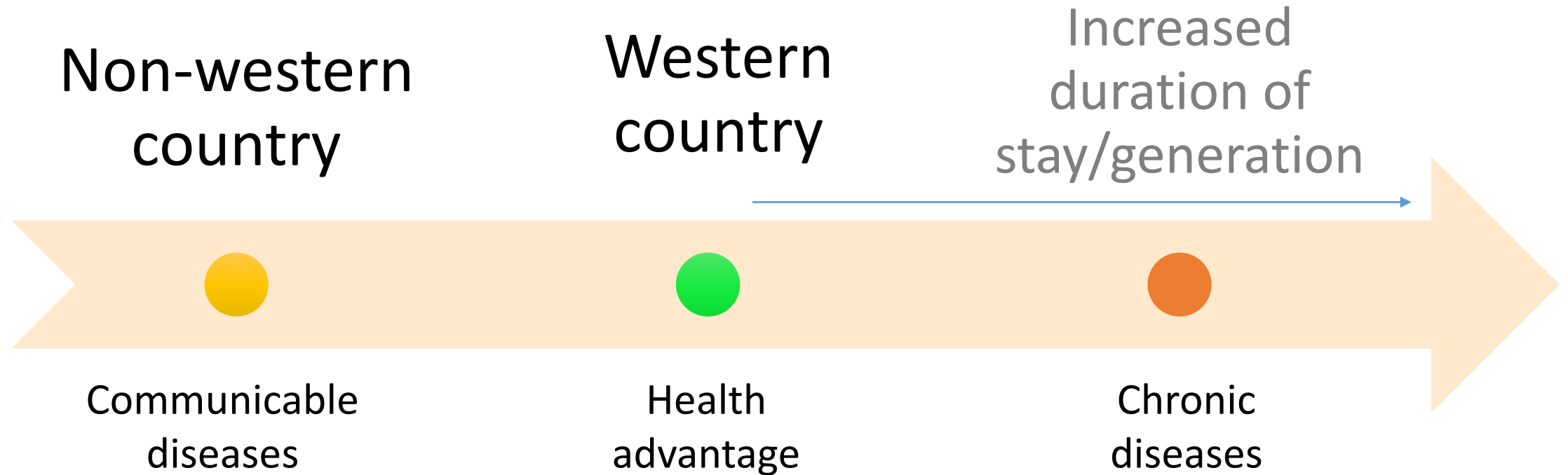
Healthy migrant effect

Salmon bias

Migration = accelerated epidemiological transition



An accelerated epidemiological transition



Why cancer?

Burden of mortality and morbidity

Geographical variation

Hints about aetiology

Multicausality

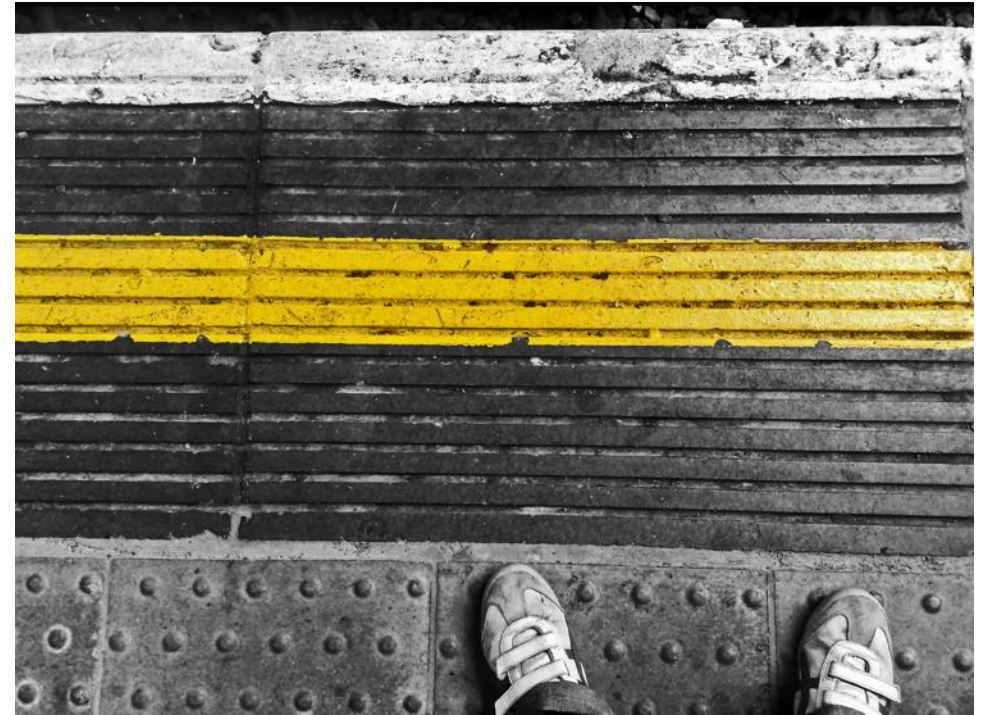
Mind the gap

No focus on **site-specific cancer**

Methodological **heterogeneity**

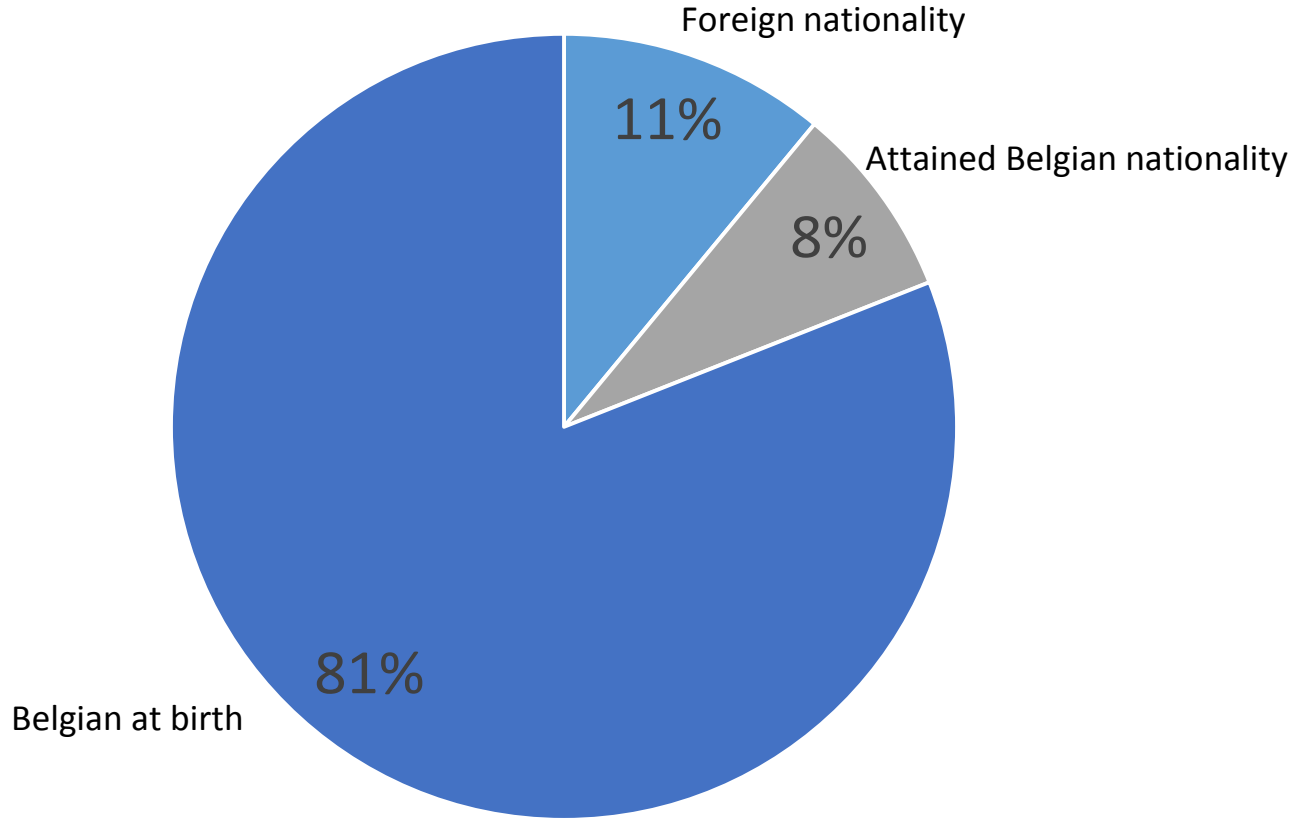
Migrants from **industrialized countries**

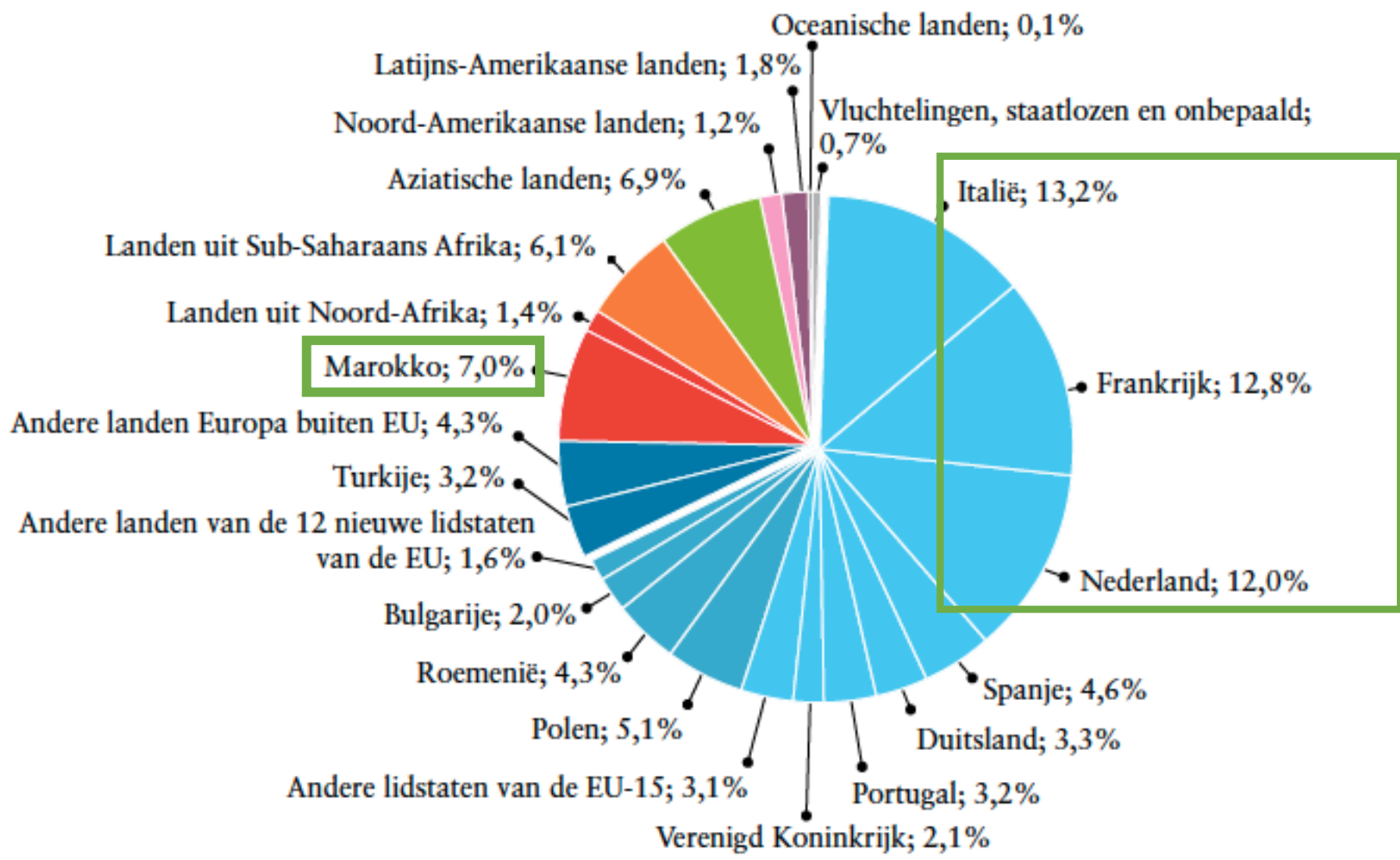
Other factors



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Why (brave) little Belgium?





Data

Census
2001

- SEP
- Socio-demographics



Cause-specific mortality & Emigration
(Mortality & Population Registries)

2001

2011

Migrant background

Nationality at birth

Italians, French, Dutch, Turkish & Moroccans

Generation

Crunching the numbers

Men aged 25-84

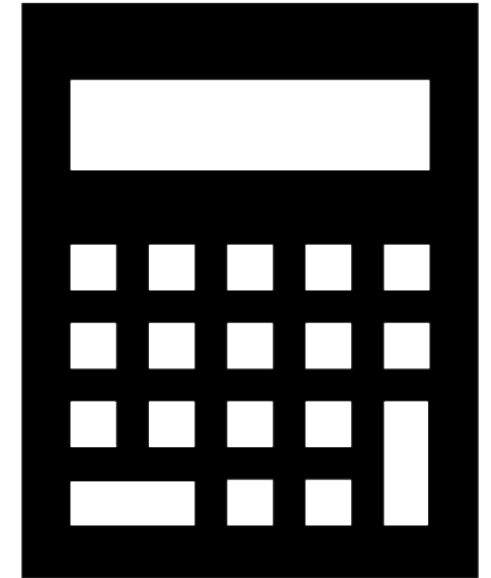
Indirect standardization

Poisson regression models

Age

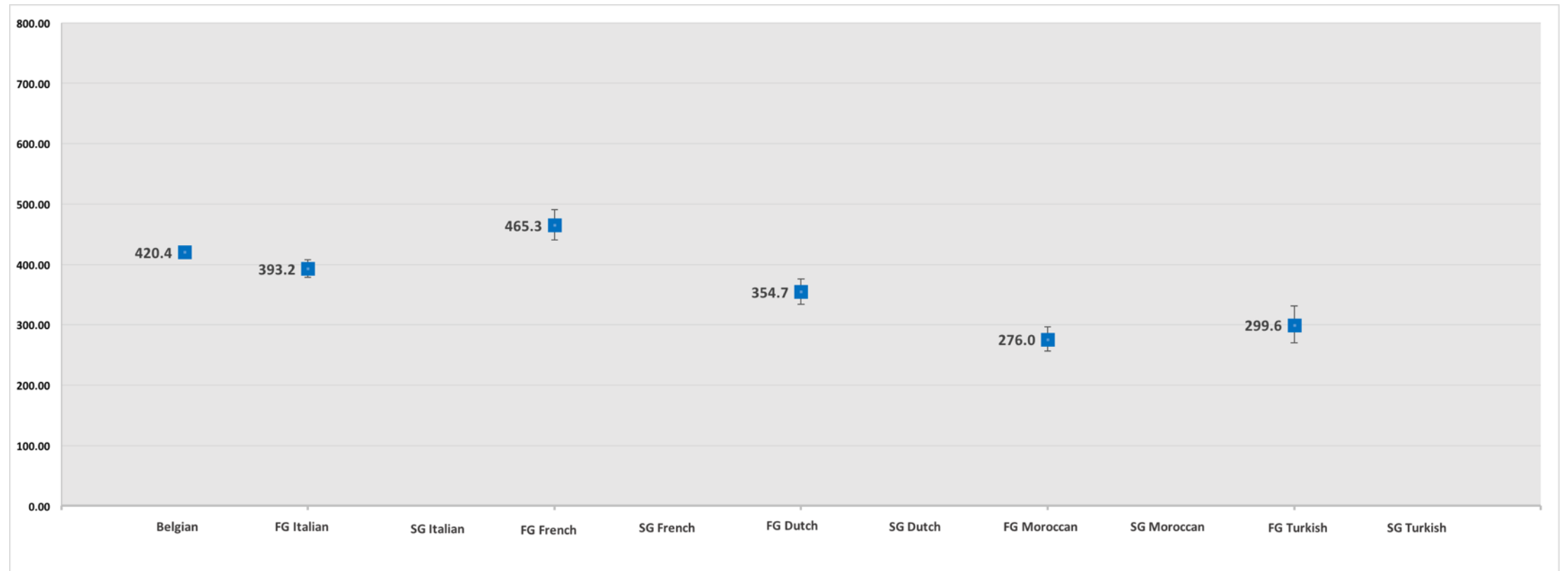
Urbanicity

Socioeconomic
Position

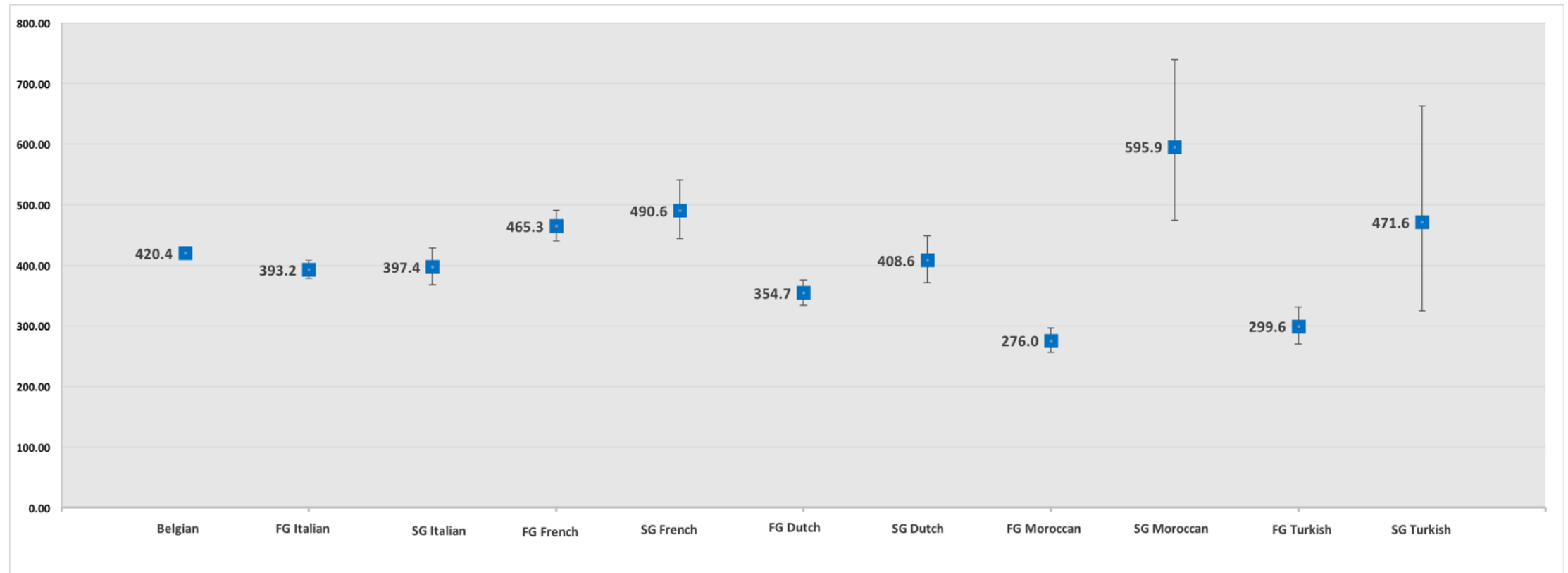


© Alex Kwa

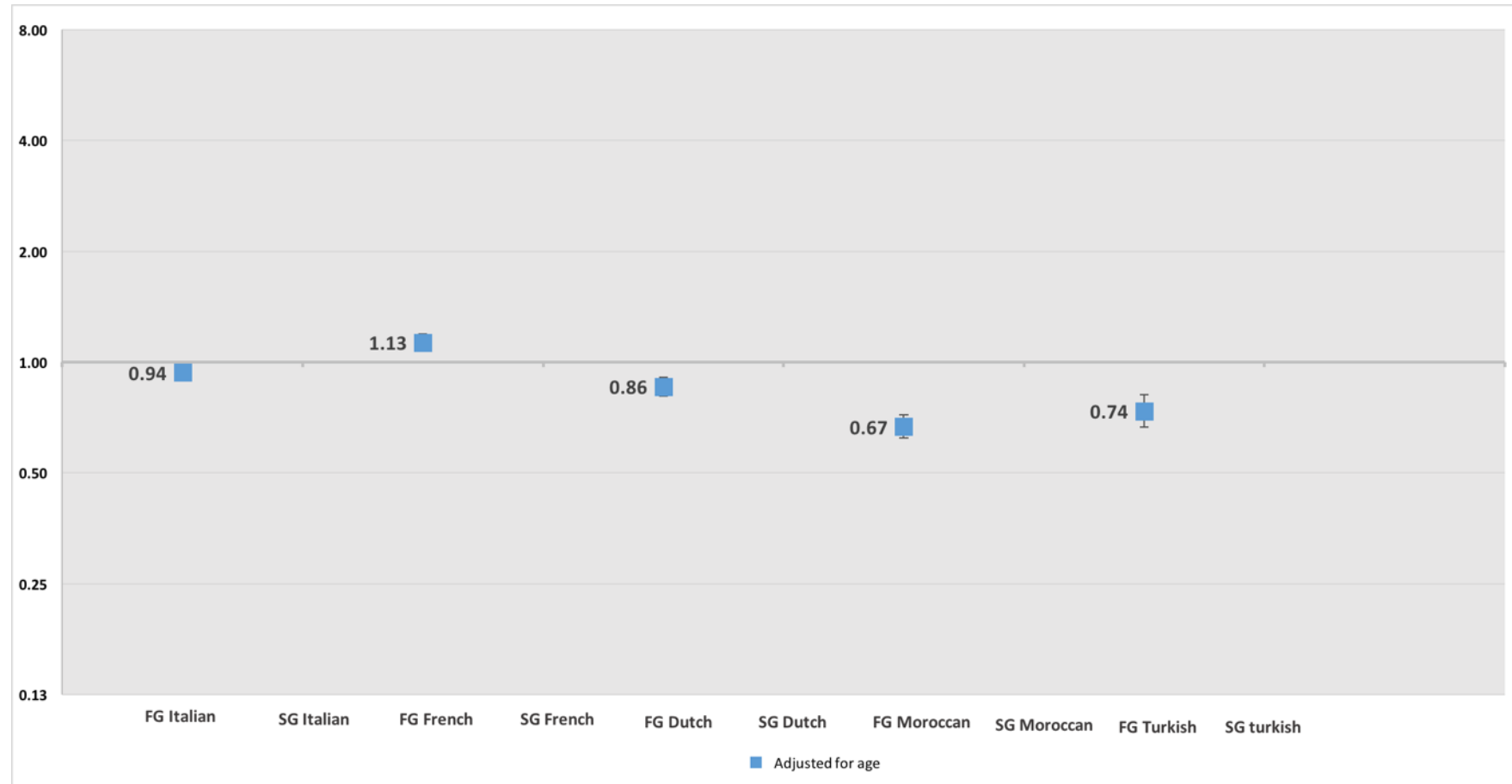
All cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



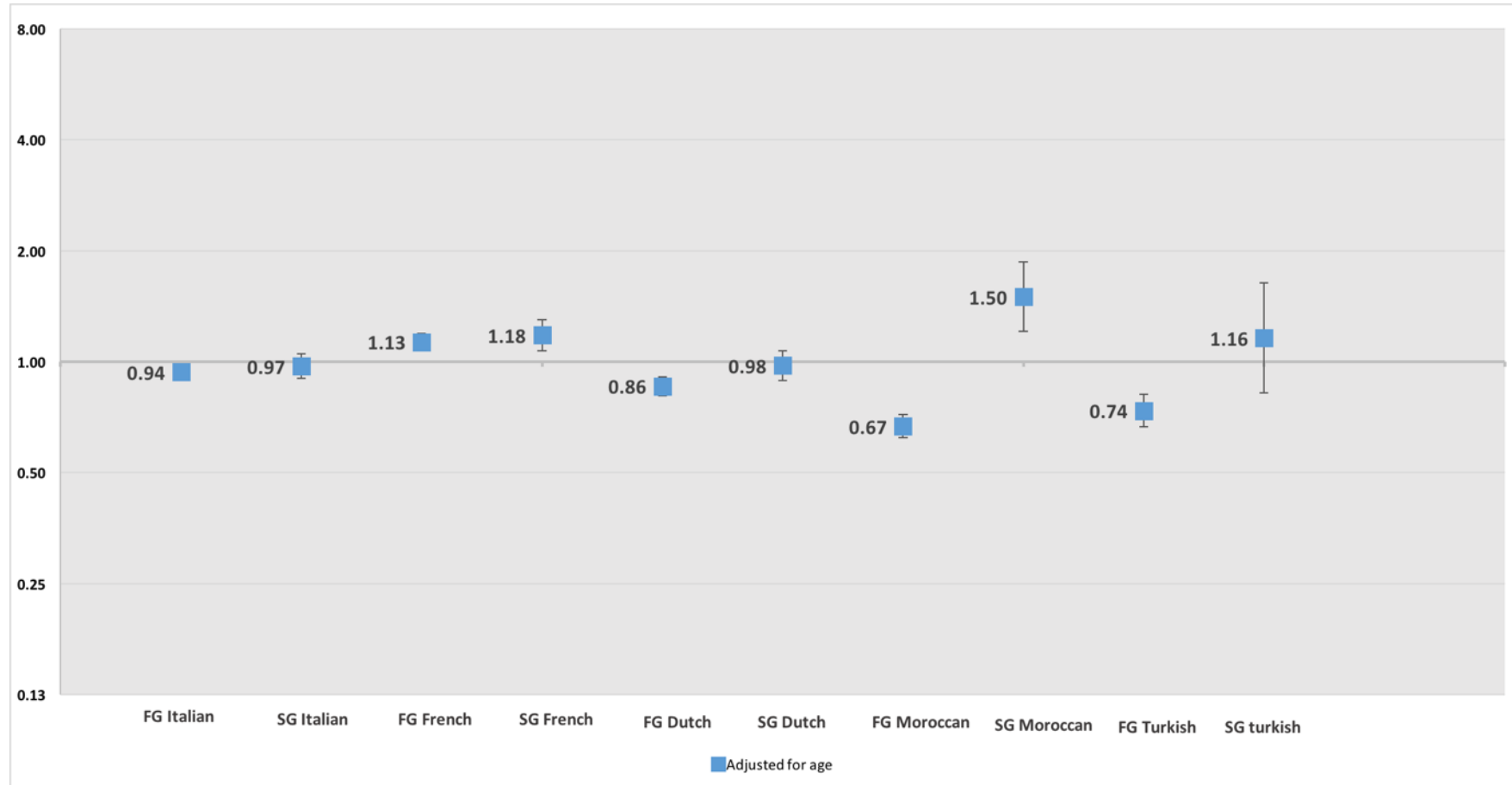
All cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



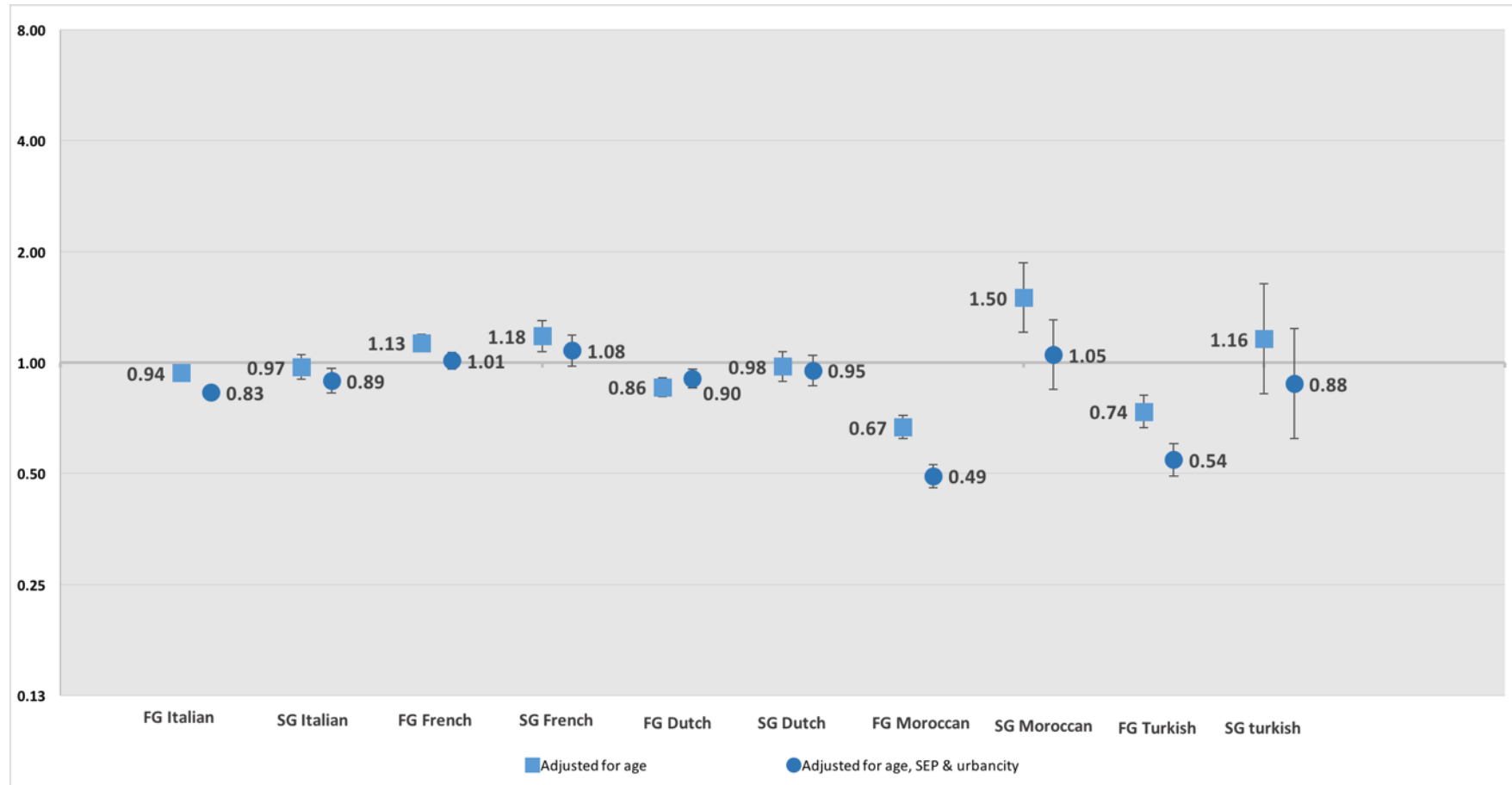
All cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



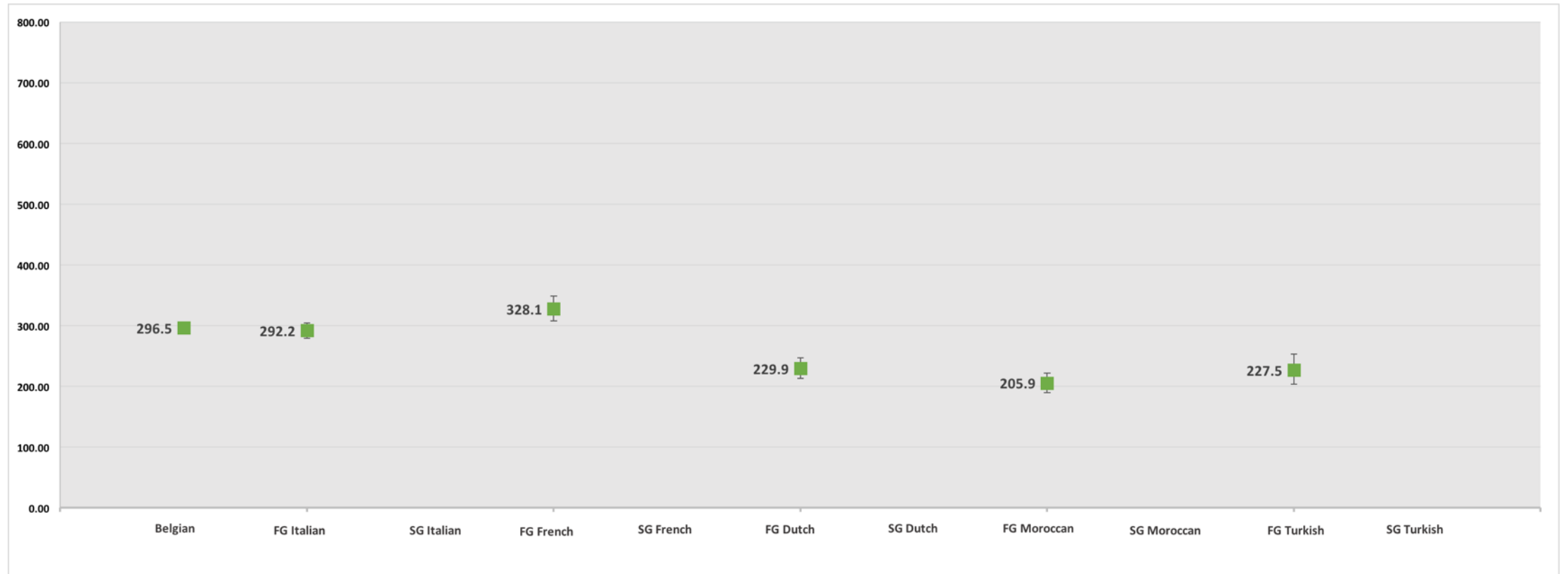
All cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



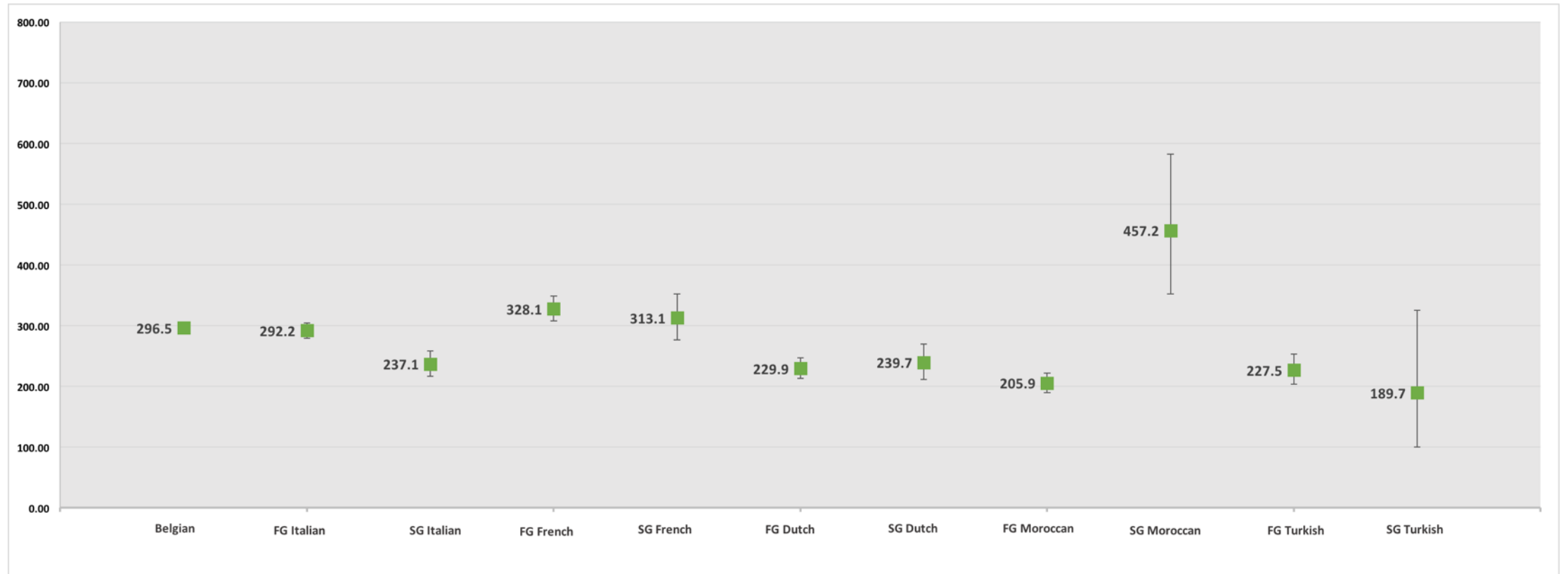
All cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



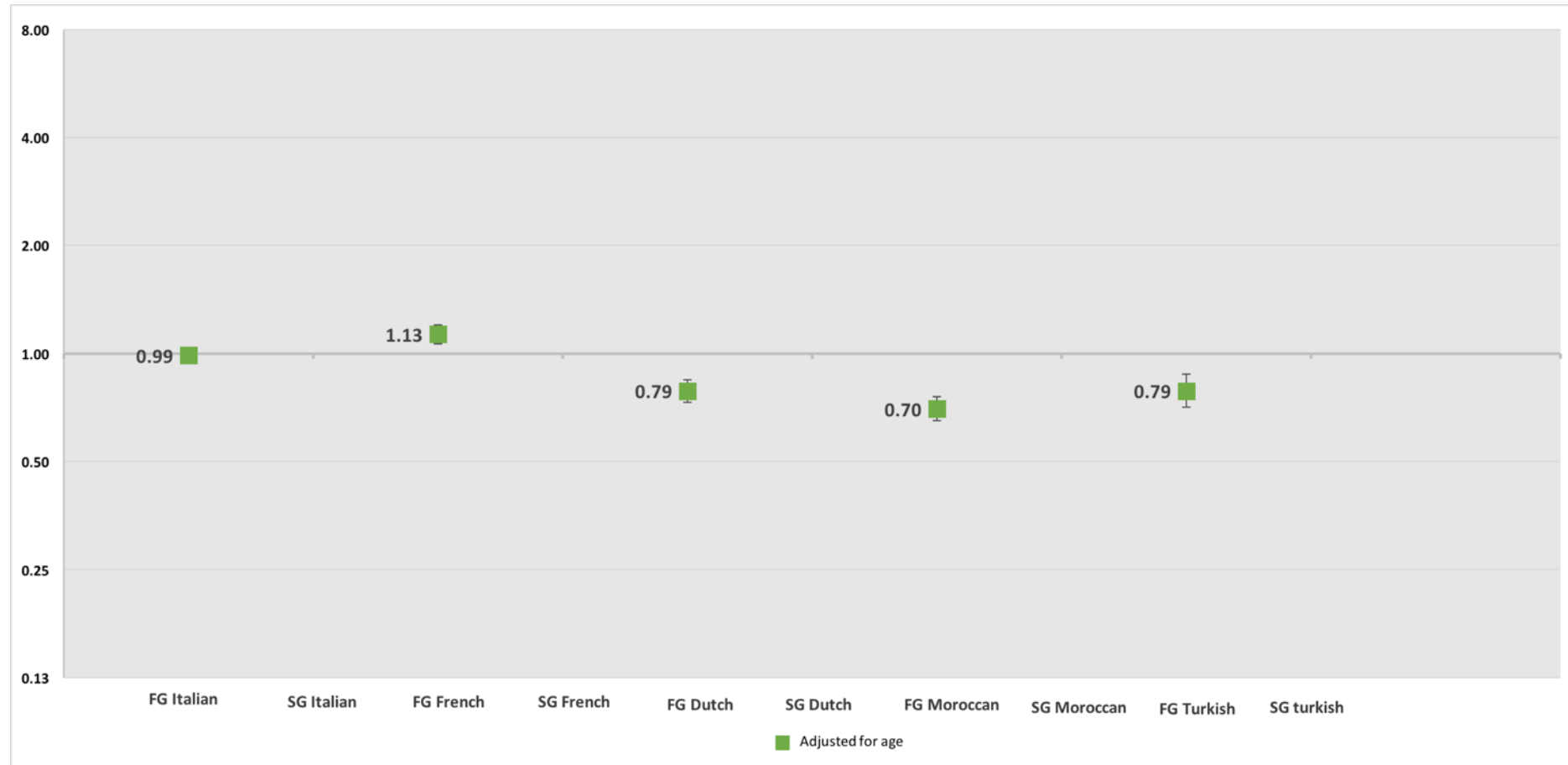
Lung cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



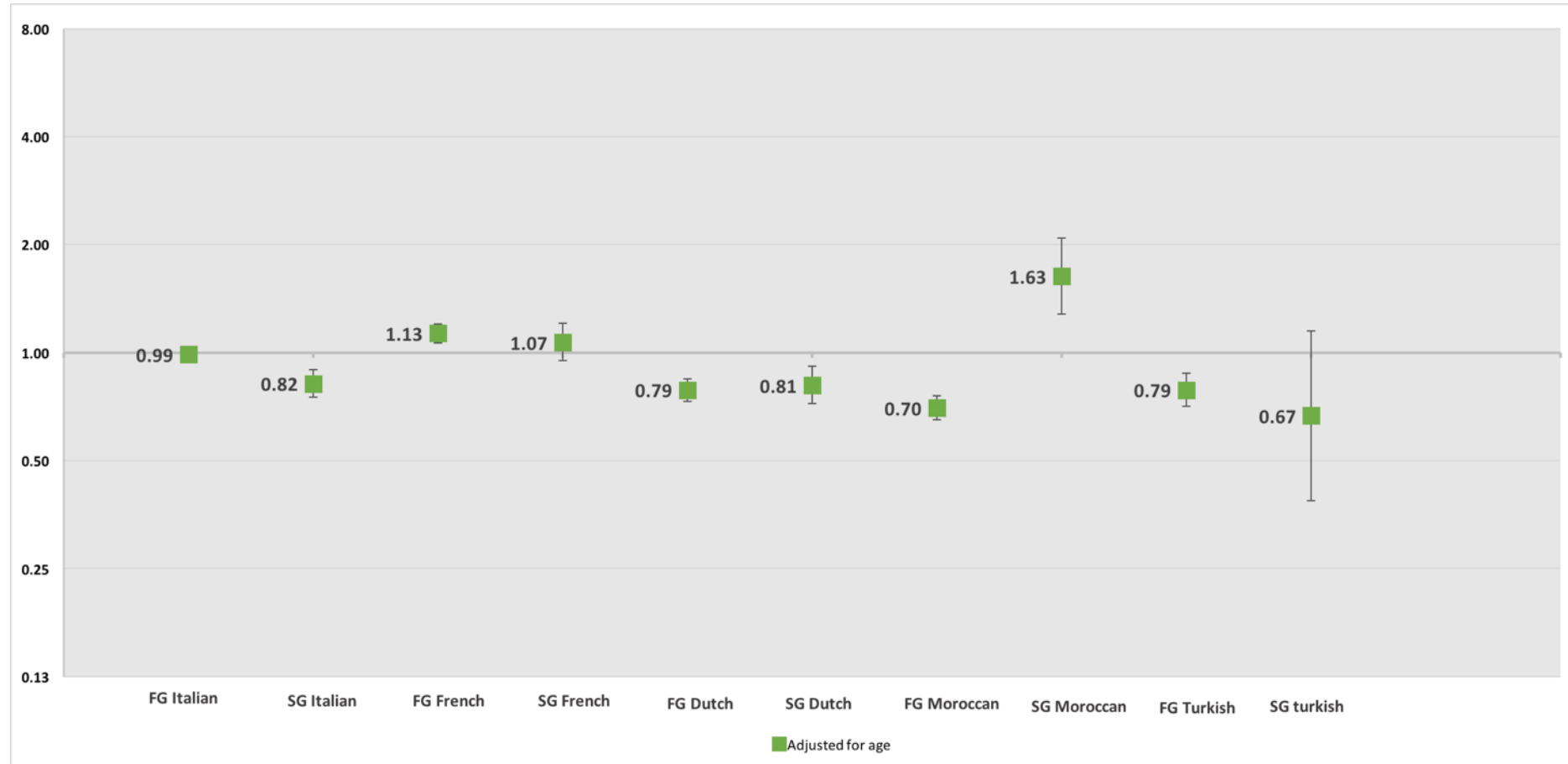
Lung cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



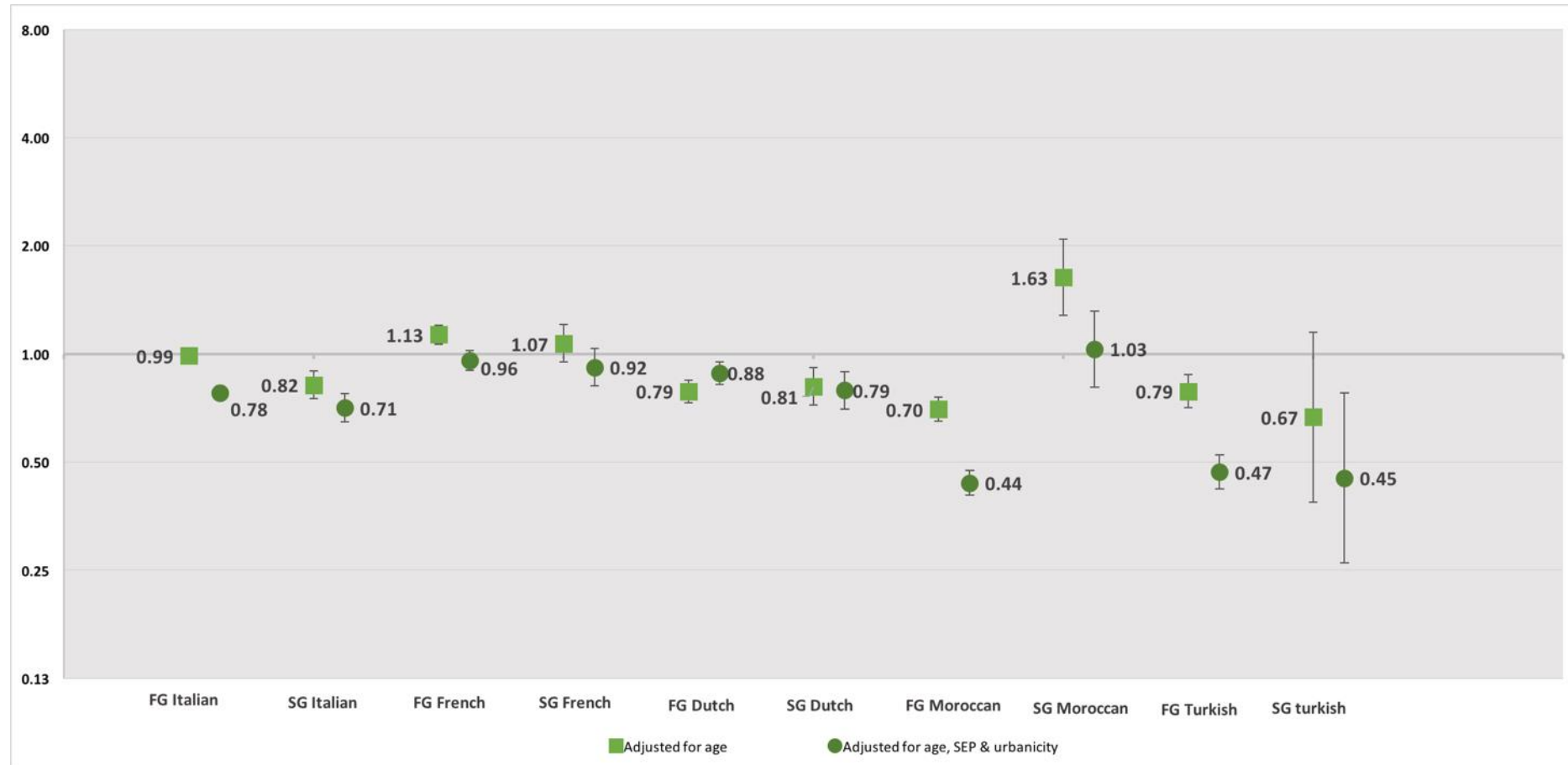
Lung cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



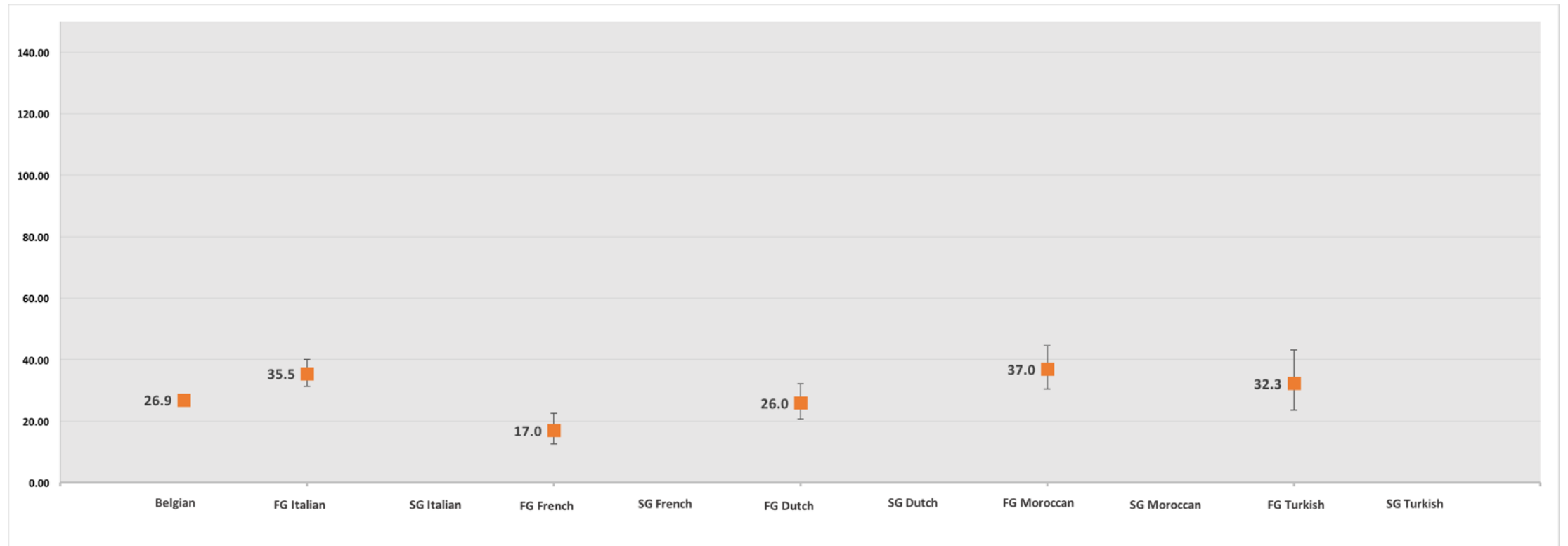
Lung cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



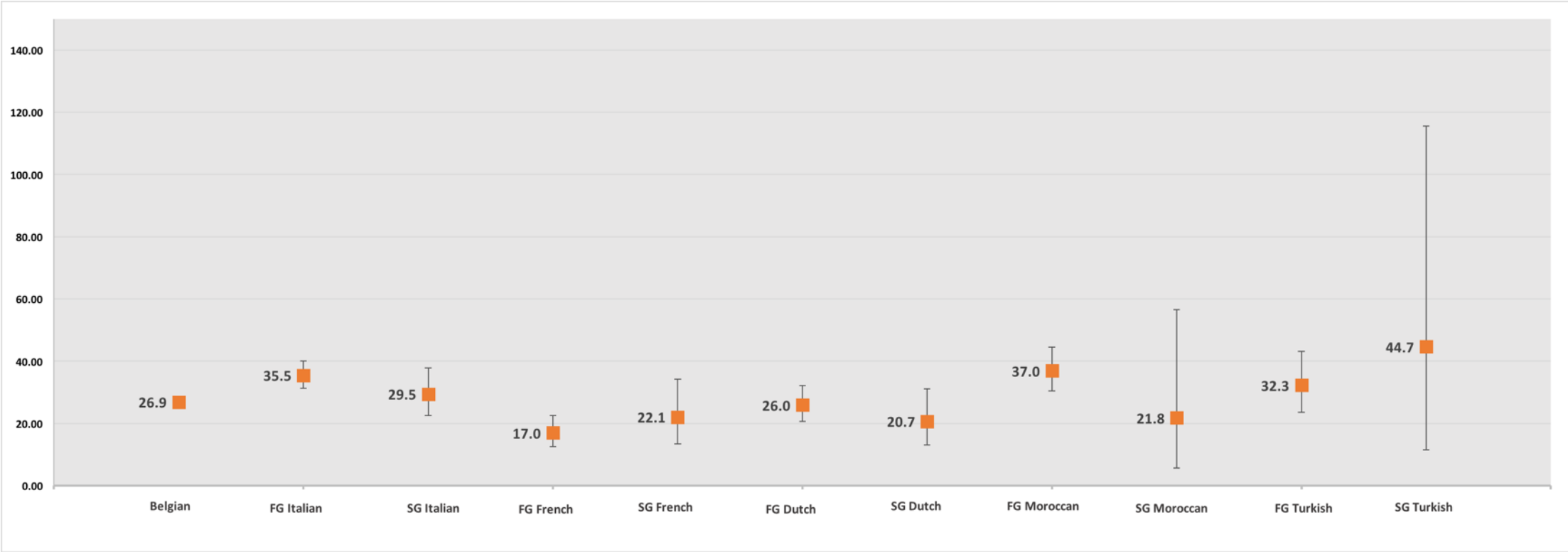
Lung cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



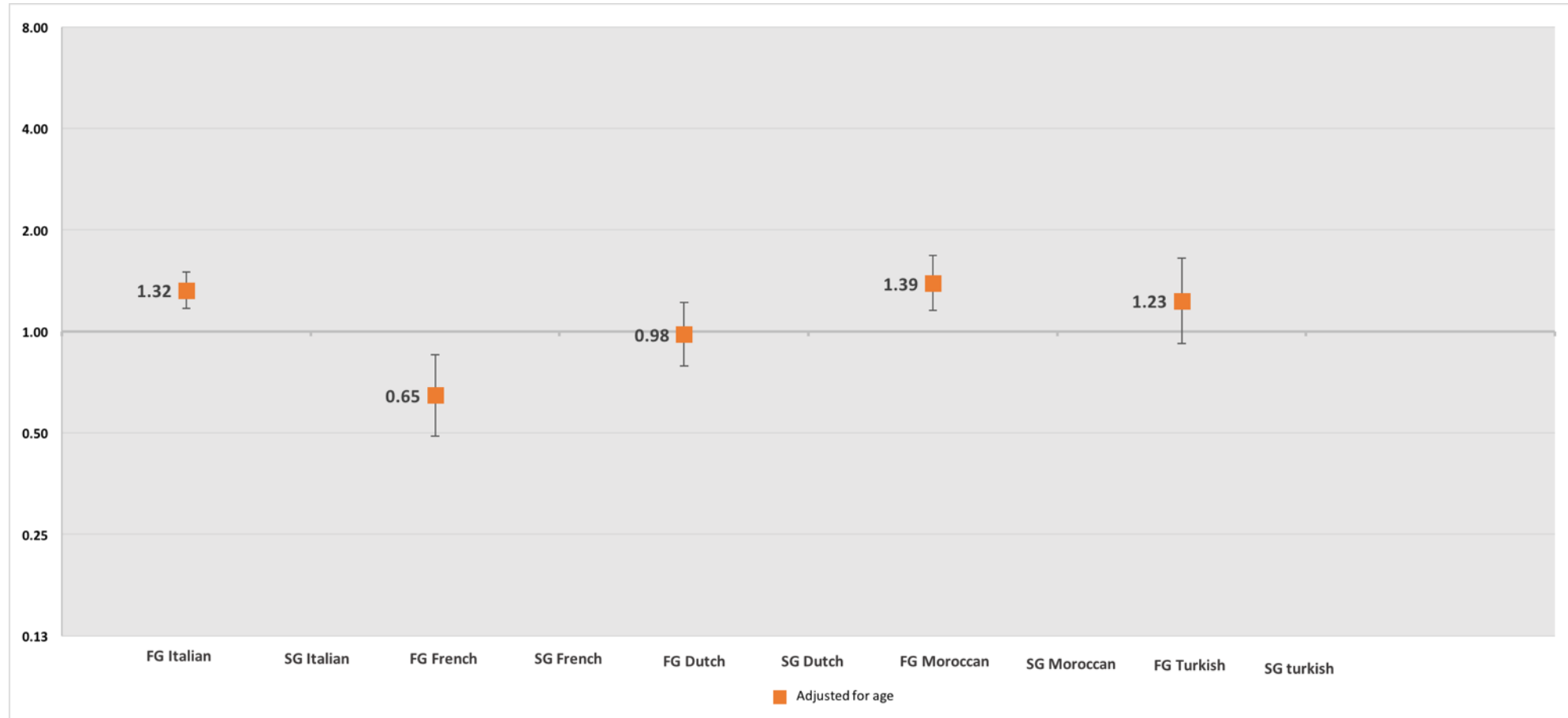
Stomach cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



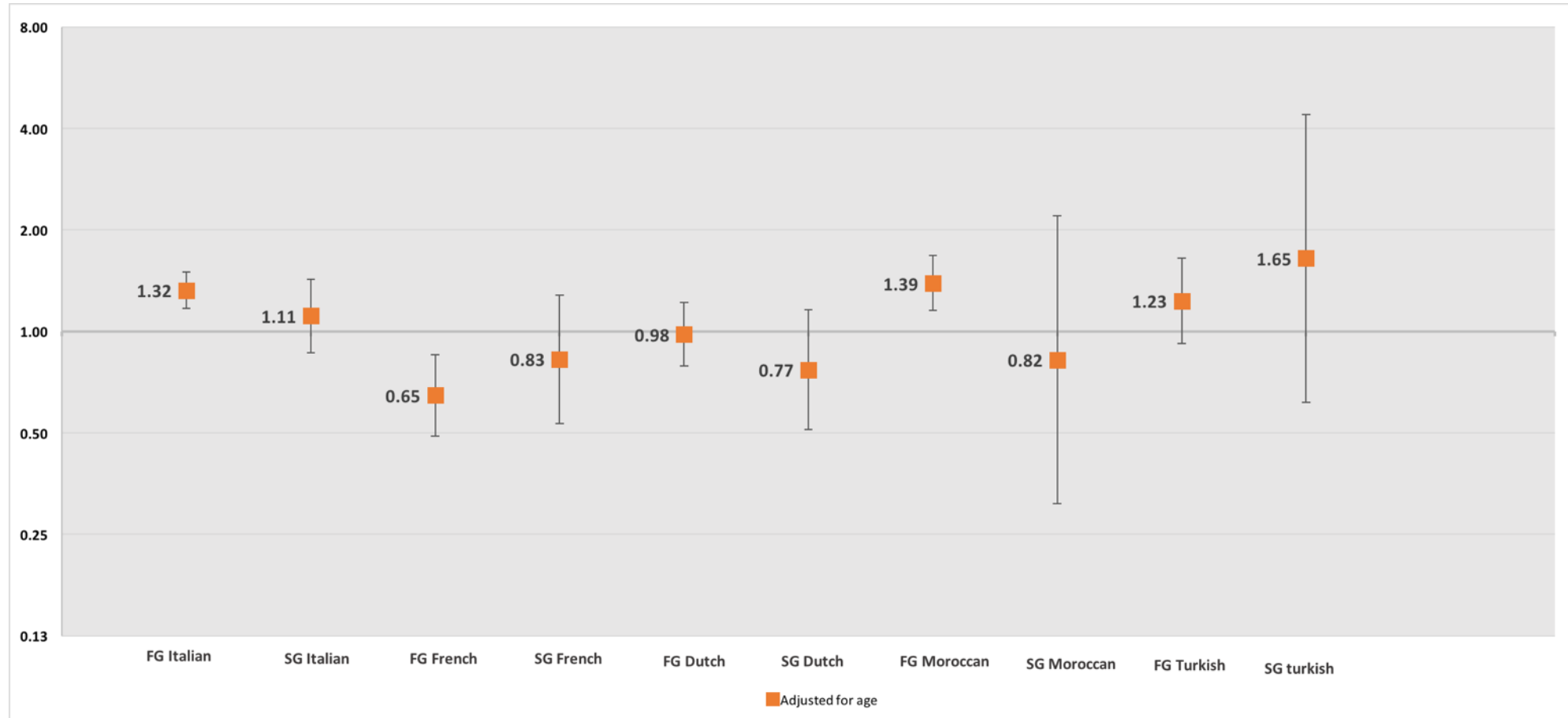
Stomach cancer indirectly standardized mortality rates, men aged 25-84, Belgium (2001-2011)



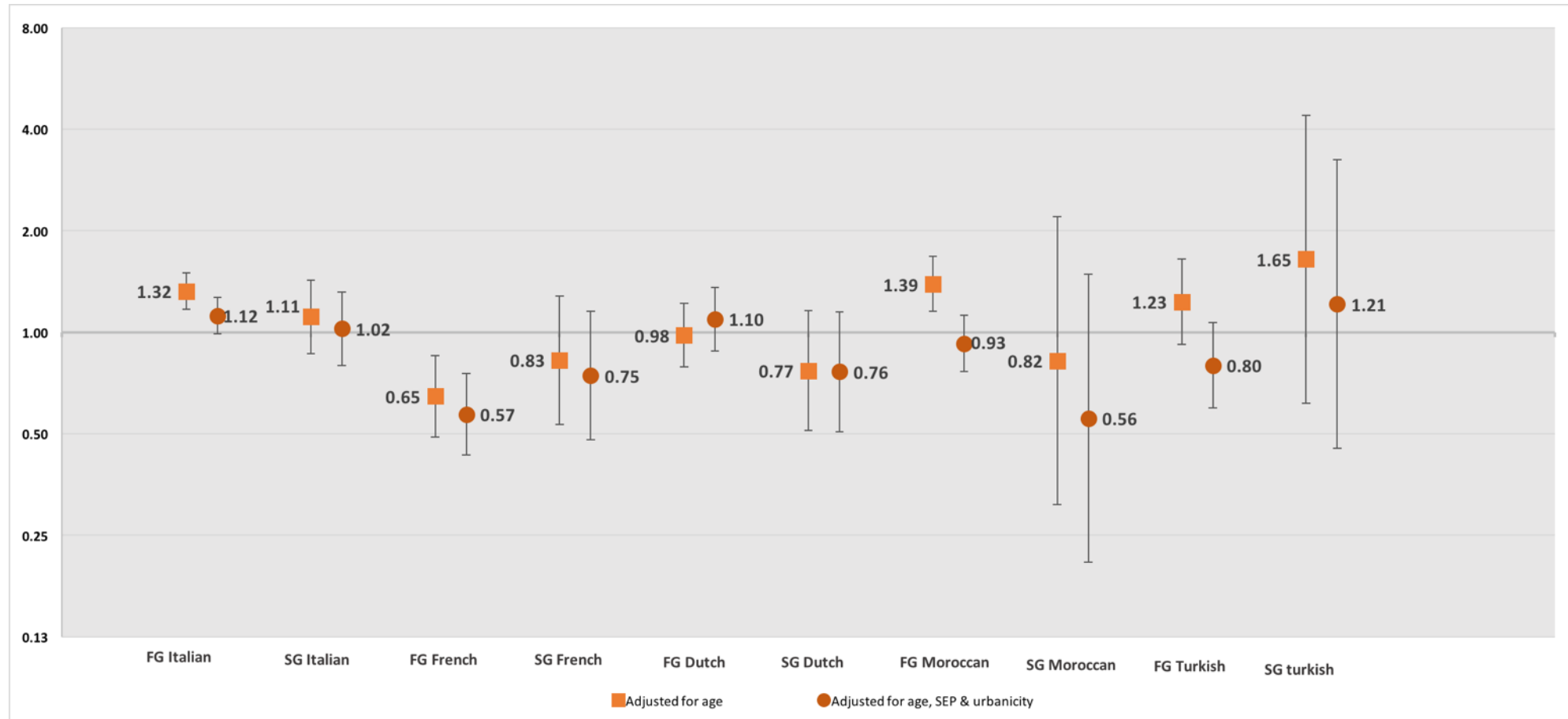
Stomach cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



Stomach cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)



Stomach cancer mortality rate ratios, men aged 25-84, Belgium (2001-2011)

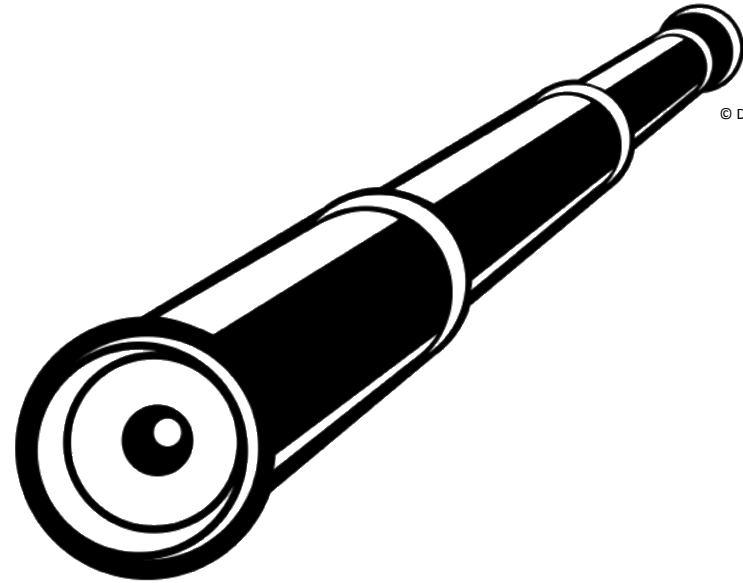


Observations & Remarks

A cancer mortality transition?

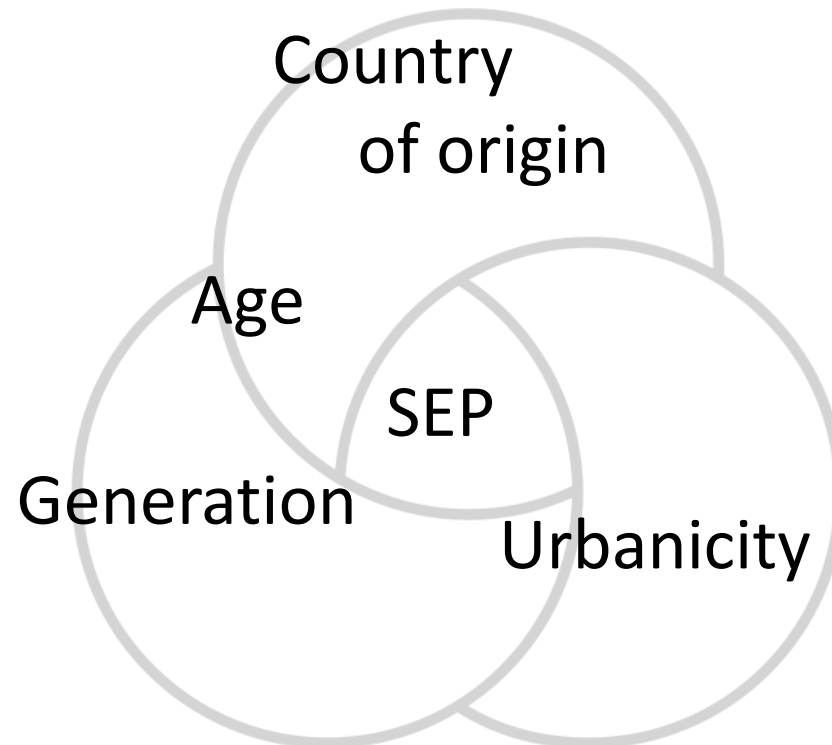
Where & how you live

“Merely” mortality



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Migrant background = determinant of differential cancer mortality?





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