

National, regional, and global trends in metabolic risk factors

Global Burden of Metabolic Risk Factors of Chronic
Diseases Collaborating Group

Citations

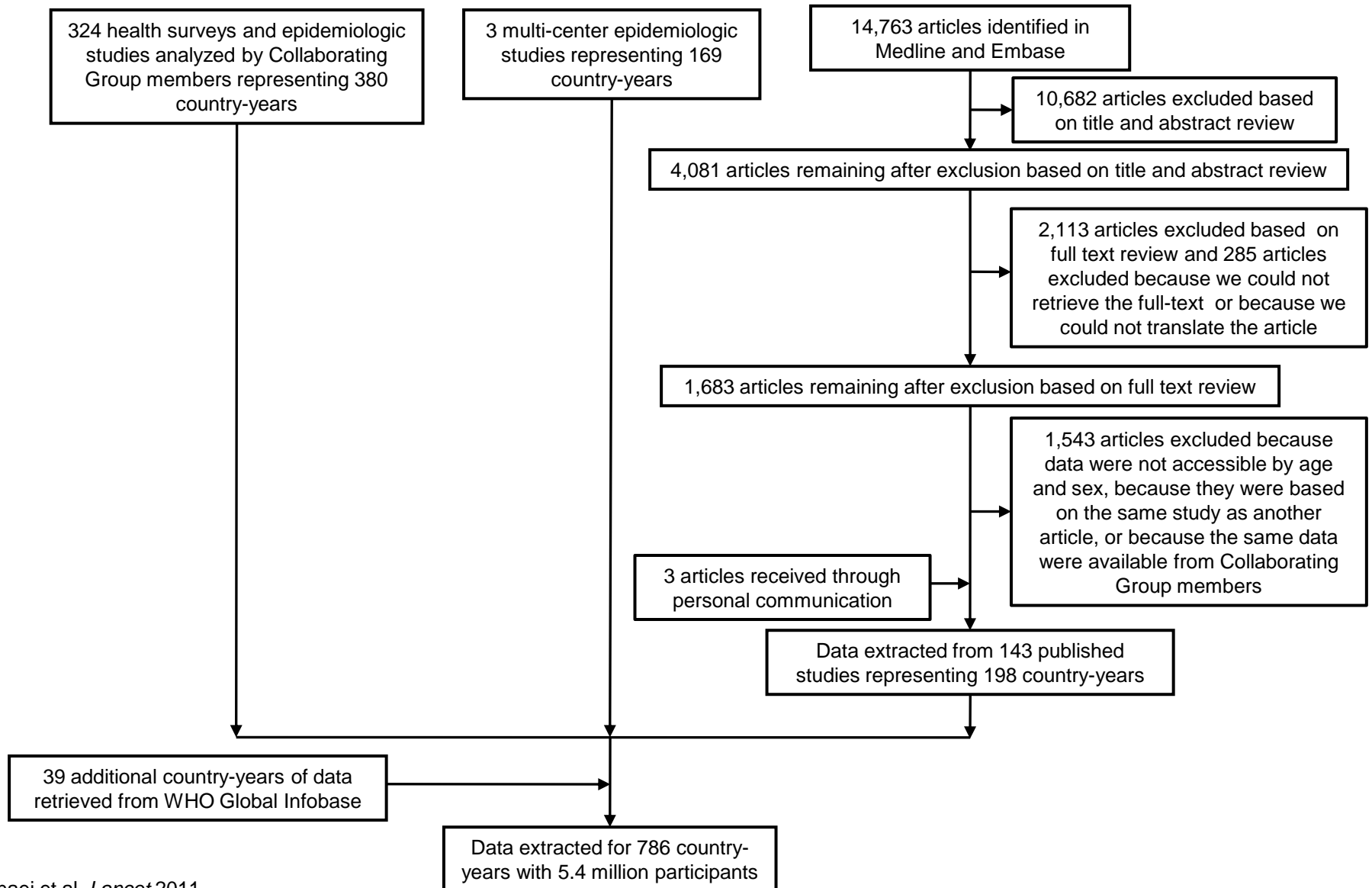
- Danaei G,* Finucane MM,* Lin JK,* Singh GM,* Paciorek CJ, Cowan MJ, Farzadfar F, Stevens GA, Lim SS, Riley LM, Ezzati M, on behalf of the Global Burden of Metabolic Risk Factors of Chronic Diseases Collaborating Group (Blood Pressure). National, regional, and global trends in systolic blood pressure since 1980: systematic analysis of health examination surveys and epidemiological studies with 786 country-years and 5•4 million participants. *Lancet* 2011; published online Feb 4. DOI:10.1016/S0140-6736(10)62036-3
- Finucane MM,* Stevens GA,* Cowan MJ, Danaei G, Lin JK, Paciorek CJ, Singh GM, Gutierrez HR, Lu Y, Bahalim AN, Farzadfar F, Riley LM, Ezzati M, on behalf of the Global Burden of Metabolic Risk Factors of Chronic Diseases Collaborating Group (Body Mass Index). National, regional, and global trends in body-mass index since 1980: systematic analysis of health examination surveys and epidemiological studies with 960 country-years and 9•1 million participants. *Lancet* 2011; published online Feb 4. DOI:10.1016/S0140-6736(10)62037-5
- Farzadfar F,* Finucane MM,* Danaei G, Pelizzari PM, Cowan MJ, Paciorek CJ, Singh GM, Lin JK, Stevens GA, Riley LM, Ezzati M, on behalf of the Global Burden of Metabolic Risk Factors of Chronic Diseases Collaborating Group (Cholesterol). National, regional, and global trends in serum total cholesterol since 1980: systematic analysis of health examination surveys and epidemiological studies with 321 country-years and 3•0 million participants. *Lancet* 2011; published online Feb 4. DOI:10.1016/S0140-6736(10)62038-7

*co-first authors

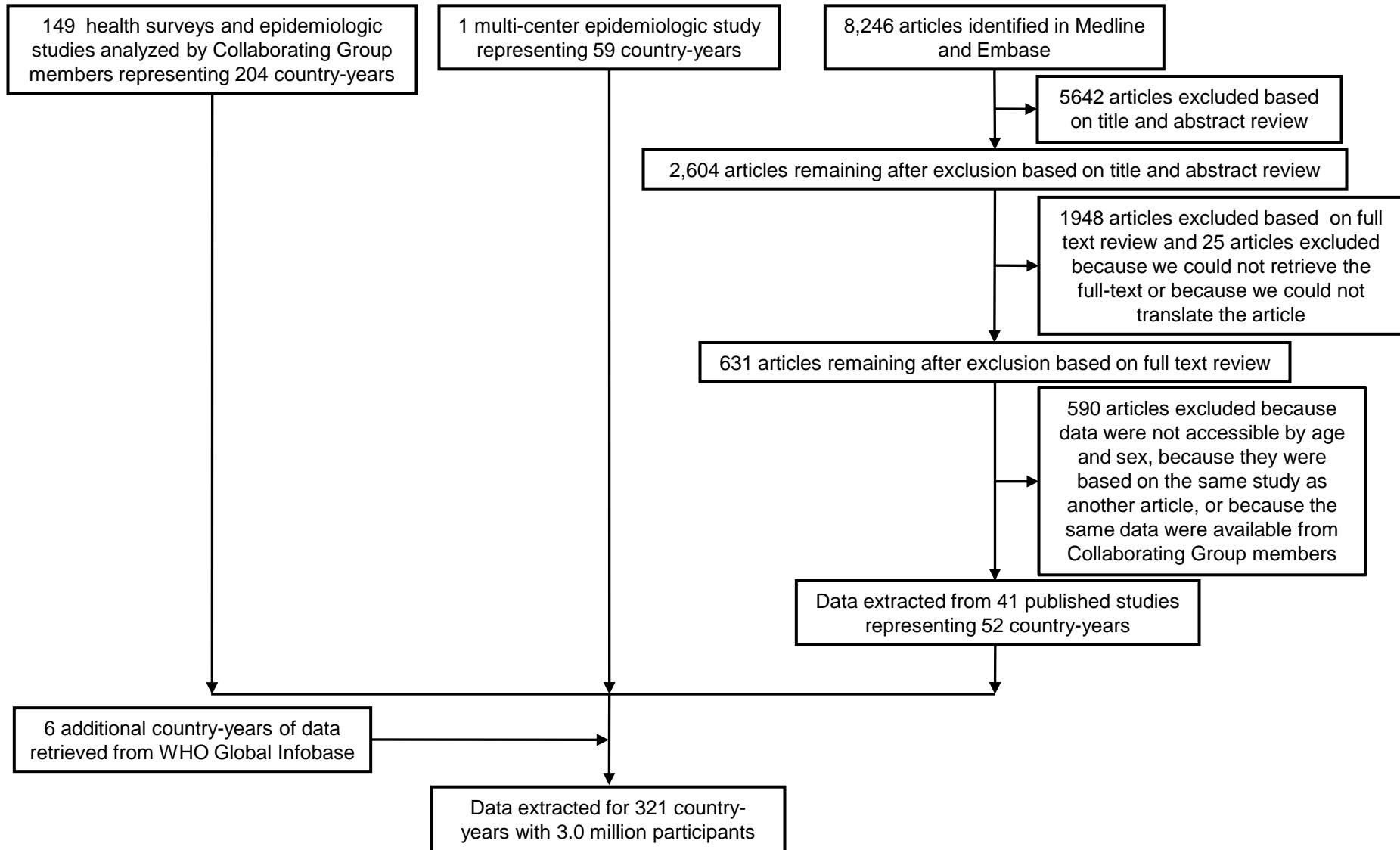
Study objective

- To estimate trends for three major metabolic risk factors for chronic diseases by age, sex, and country/region between 1980 and 2008
 - Body mass index (BMI)
 - Systolic blood pressure (SBP)
 - Serum total cholesterol (TC)
- To quantify the uncertainty of the estimates

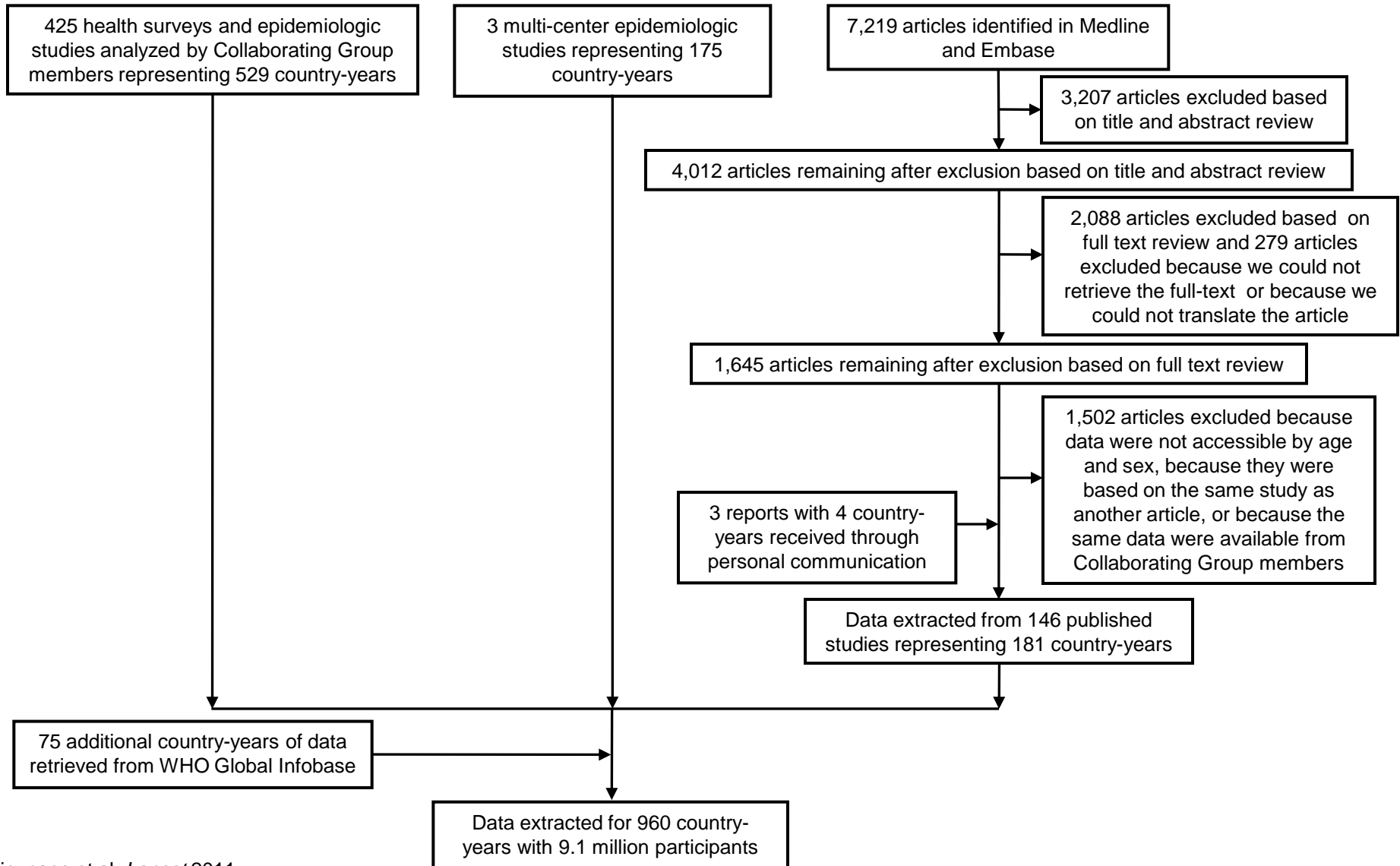
Data access flowchart (SBP)



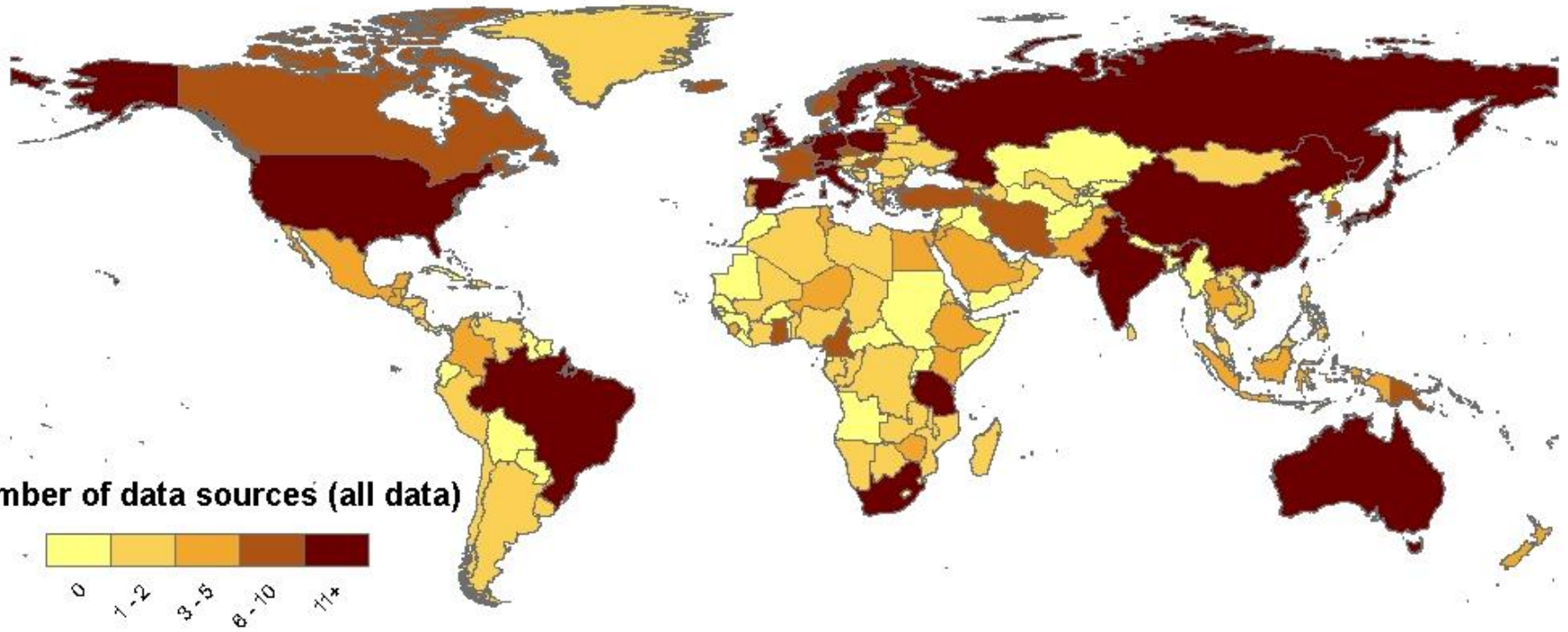
Data access flowchart (TC)



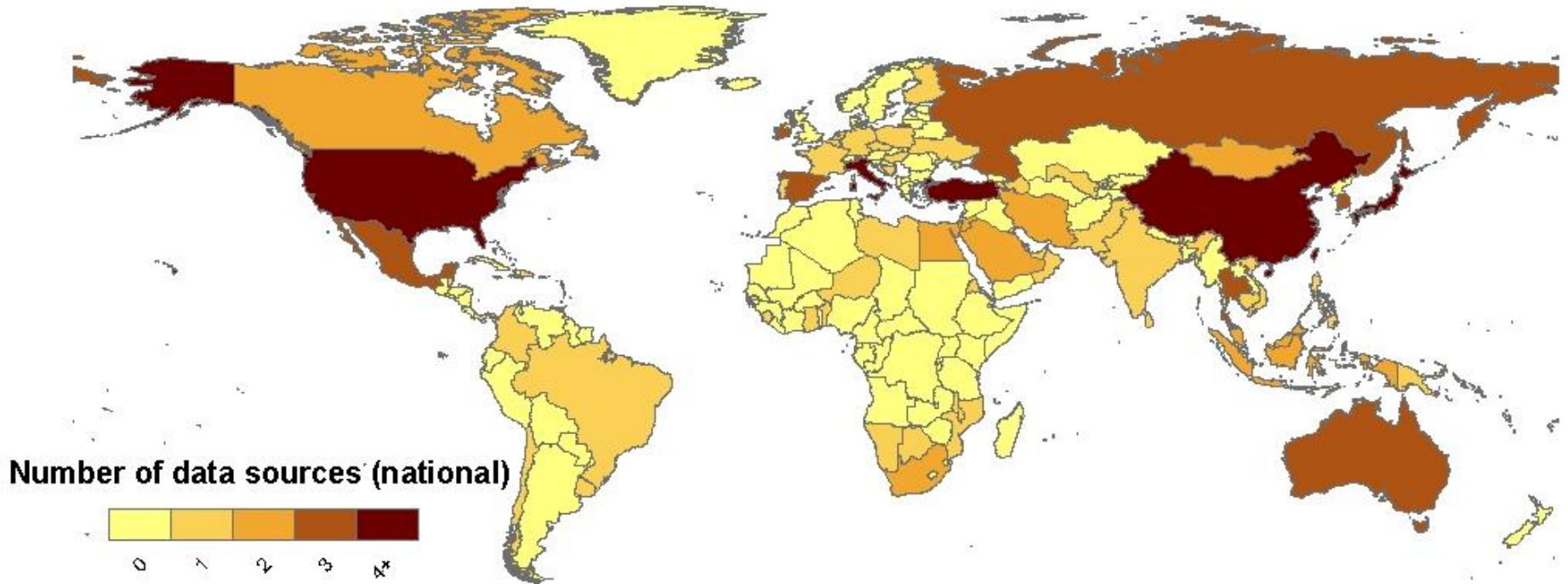
Data access flowchart (BMI)



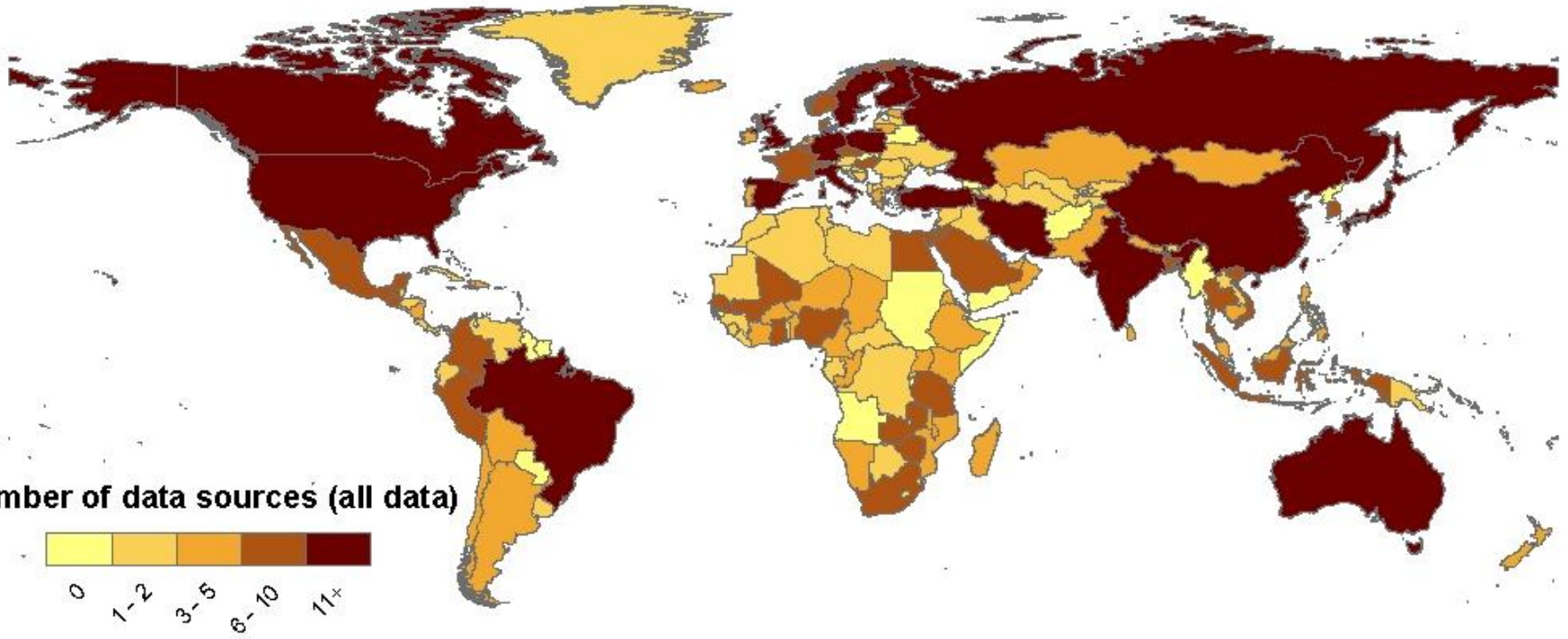
SBP data availability (all data)



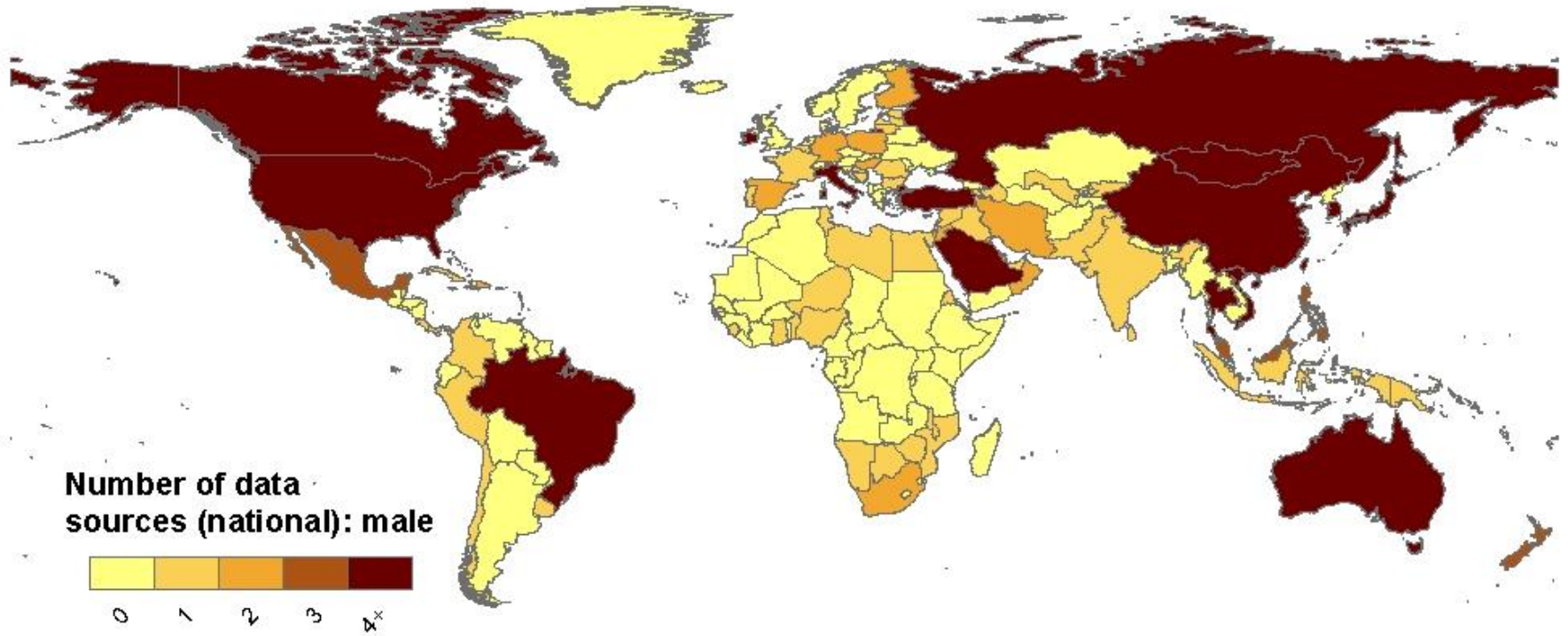
SBP data availability (national data)



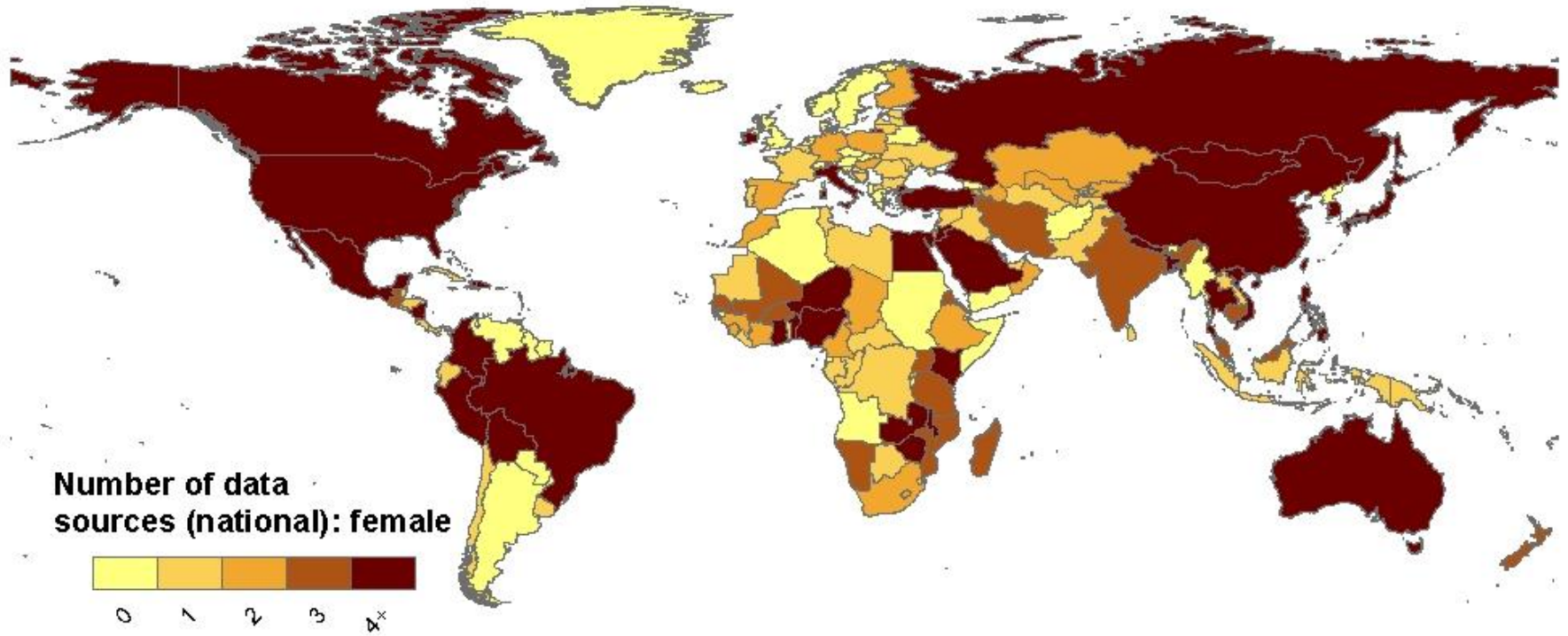
BMI data availability (all data)



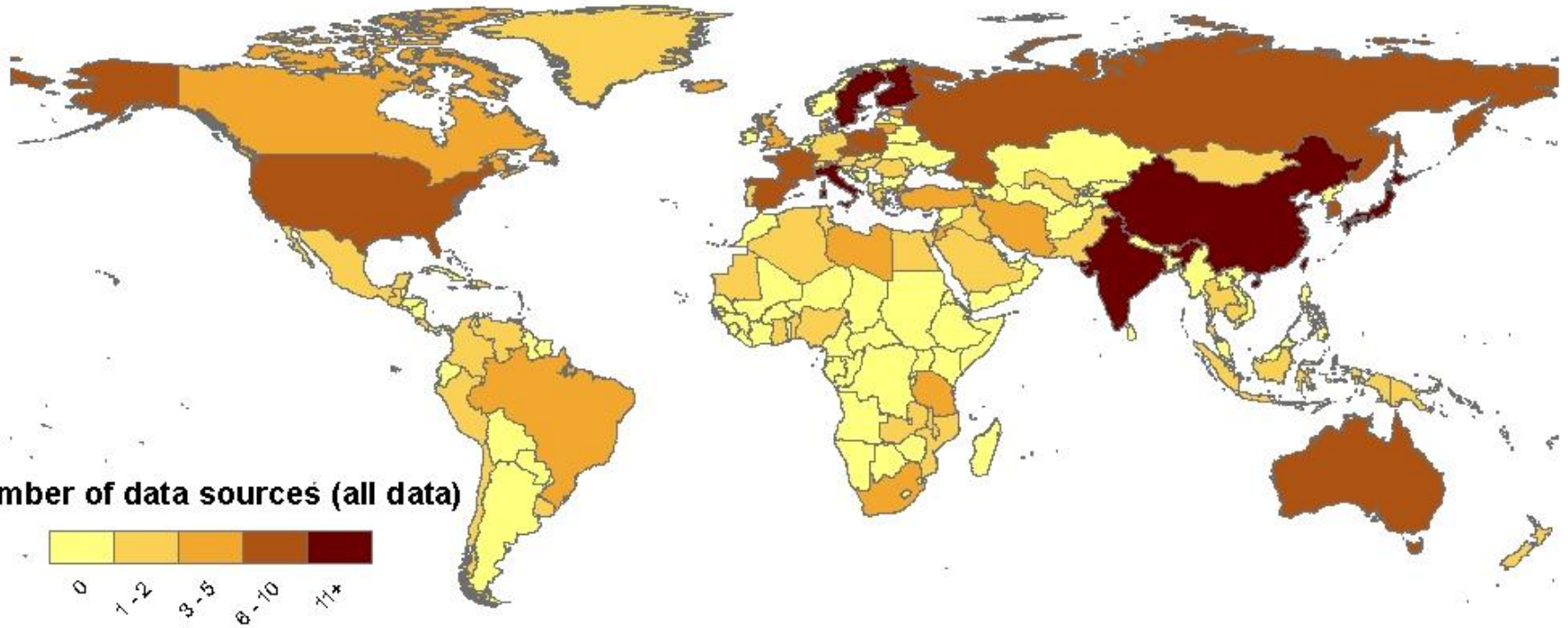
BMI data availability (national data, male)



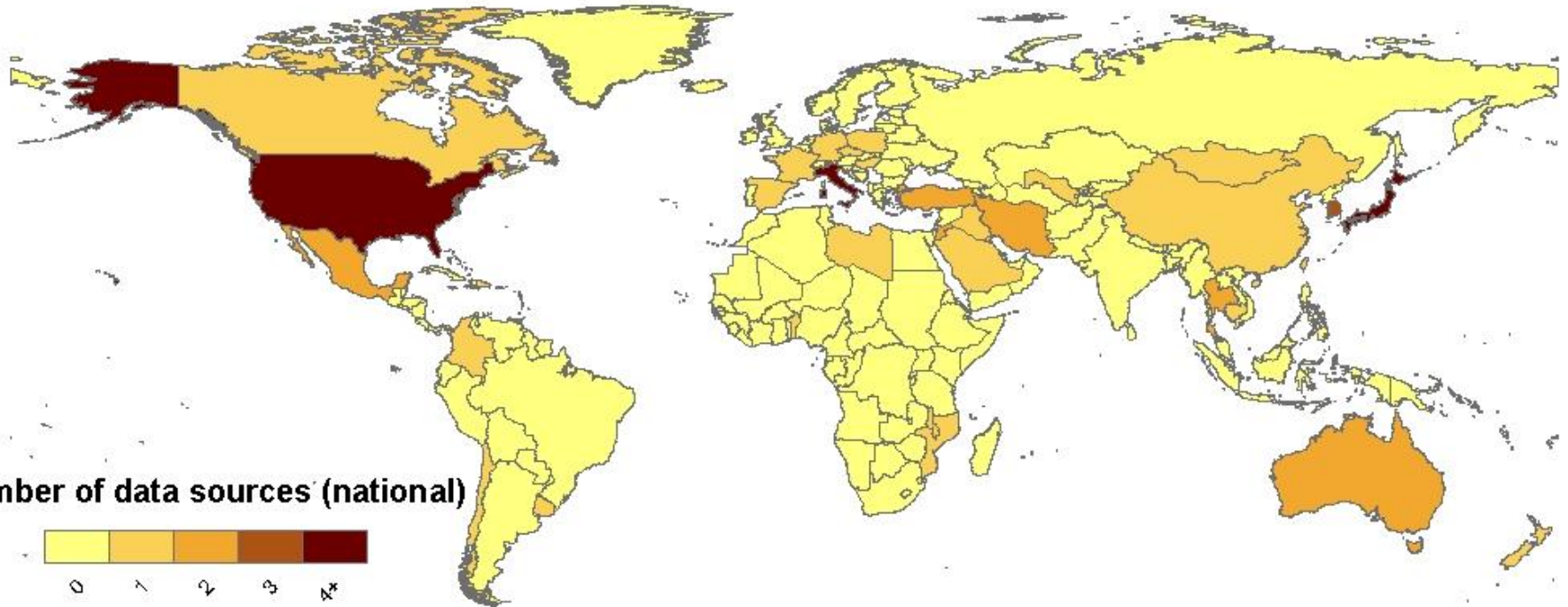
BMI data availability (national data, female)



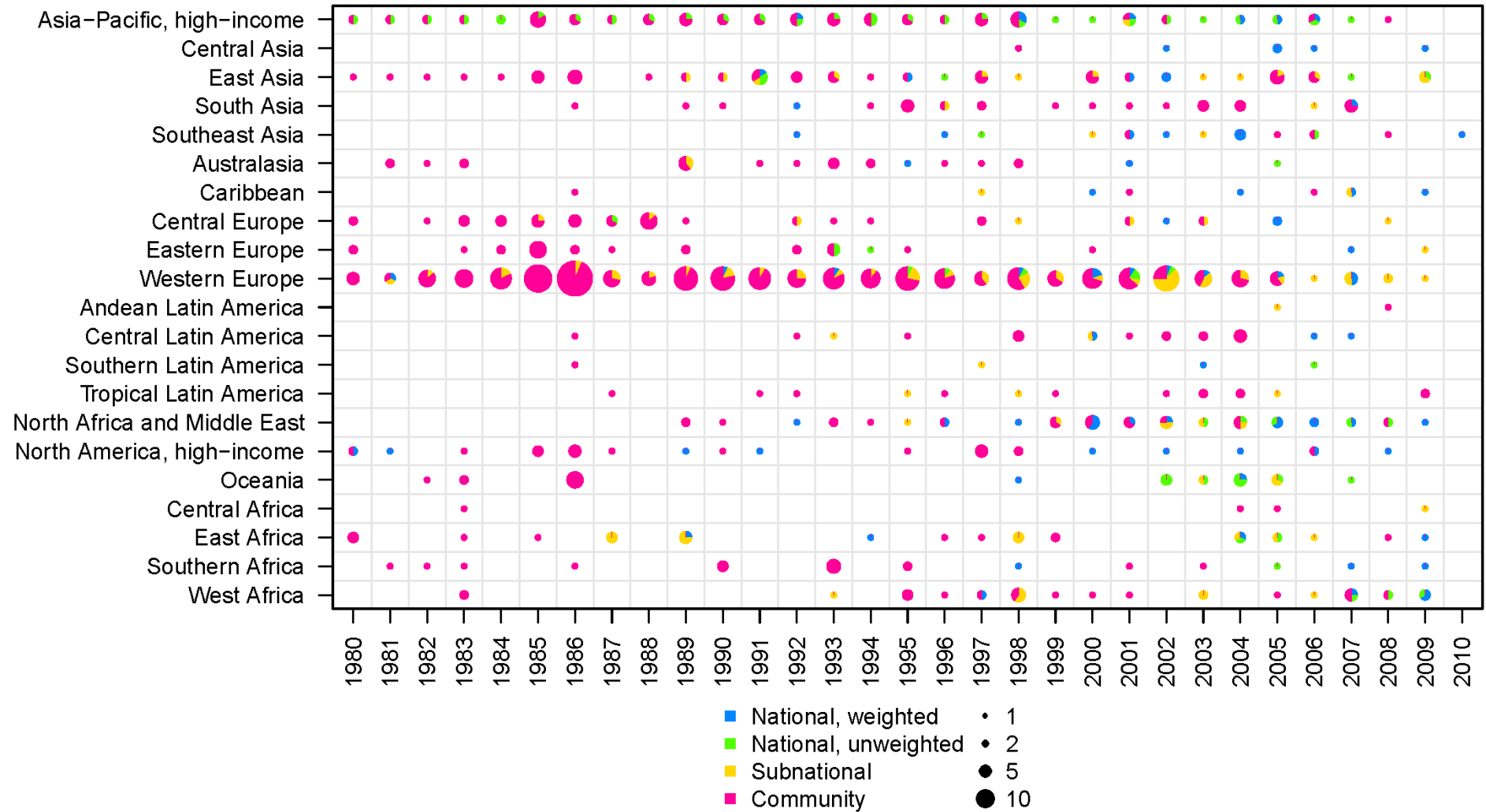
TC data availability (all data)



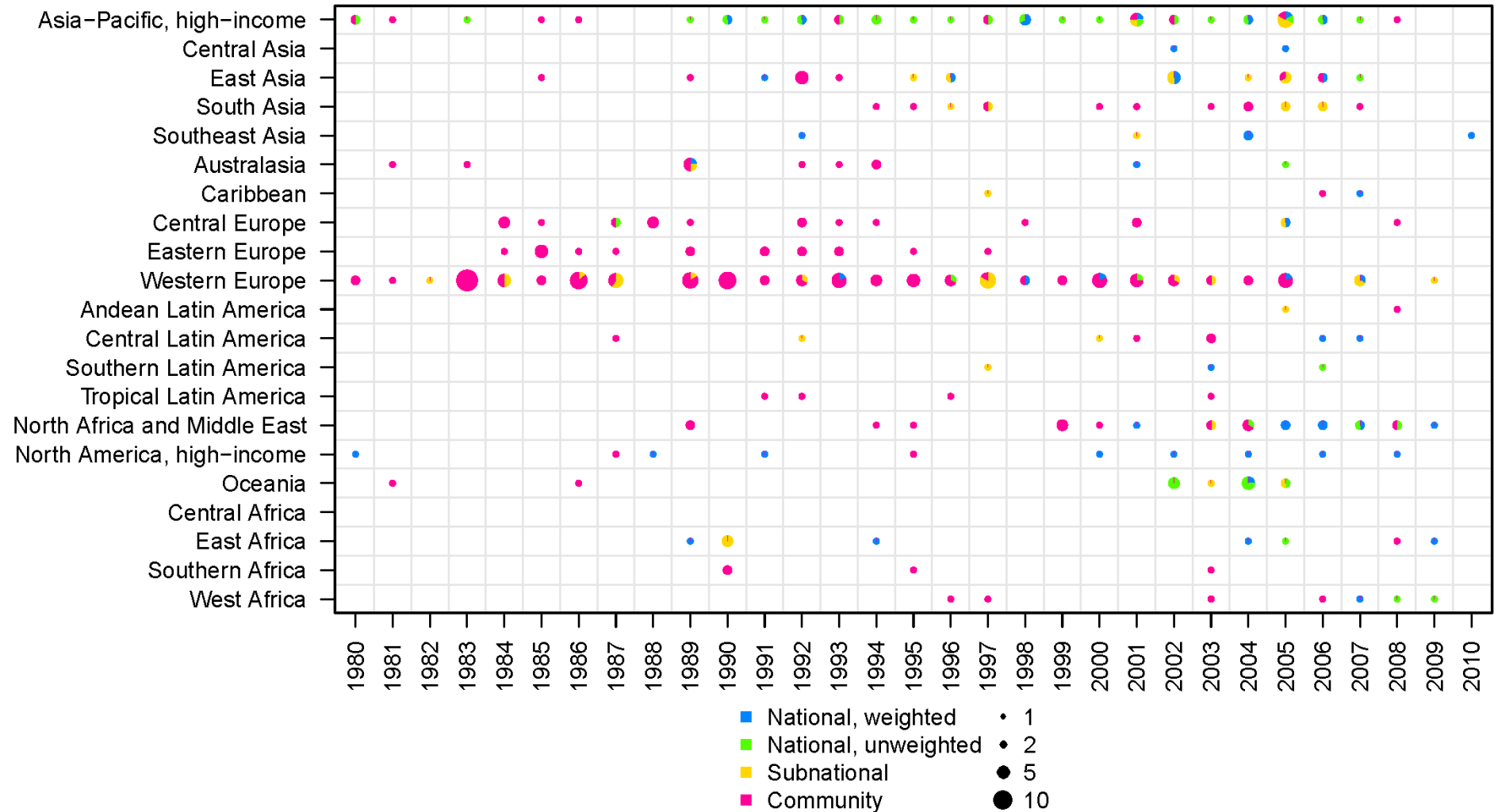
TC data availability (national data)



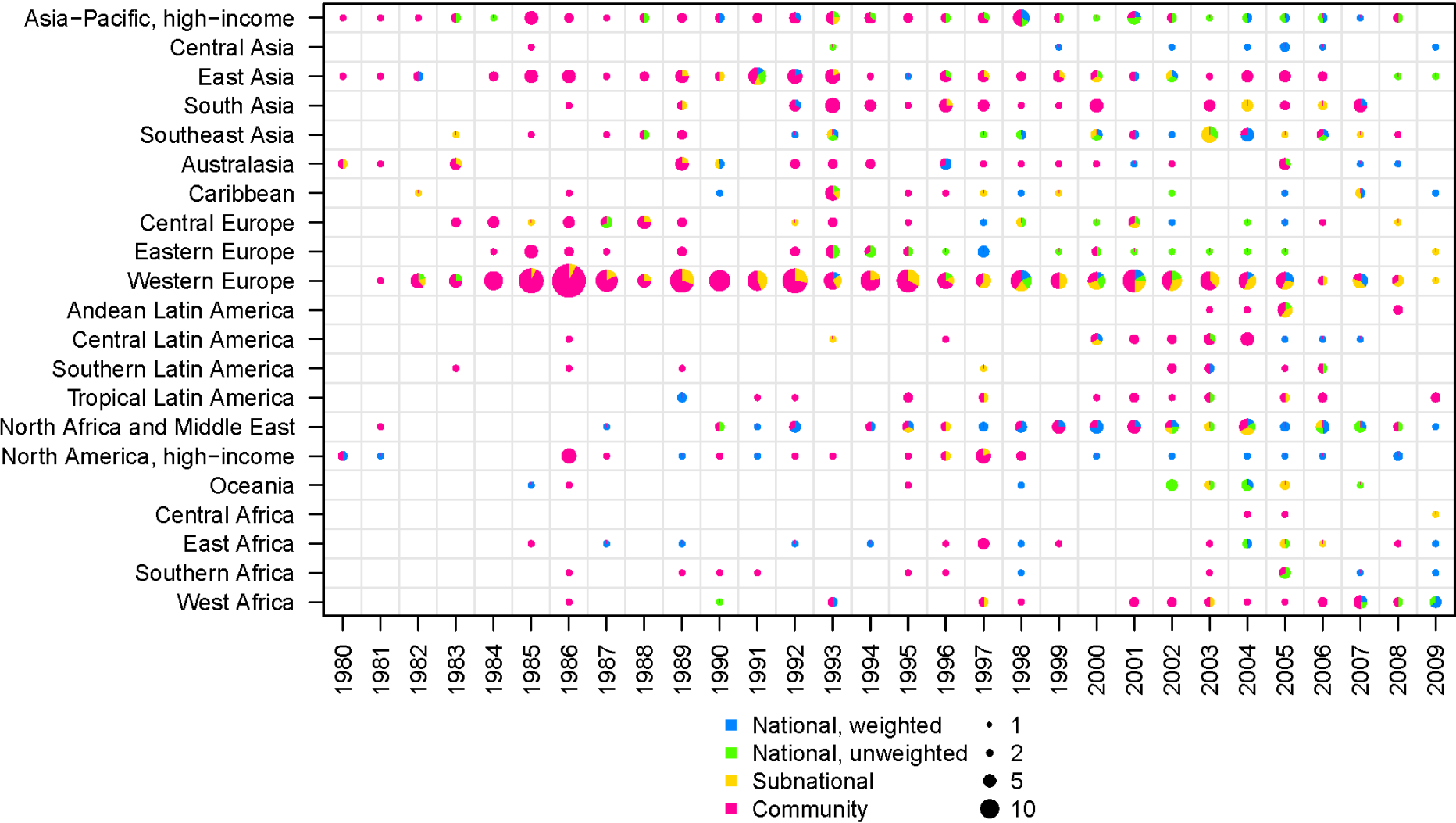
SBP data availability by year and region



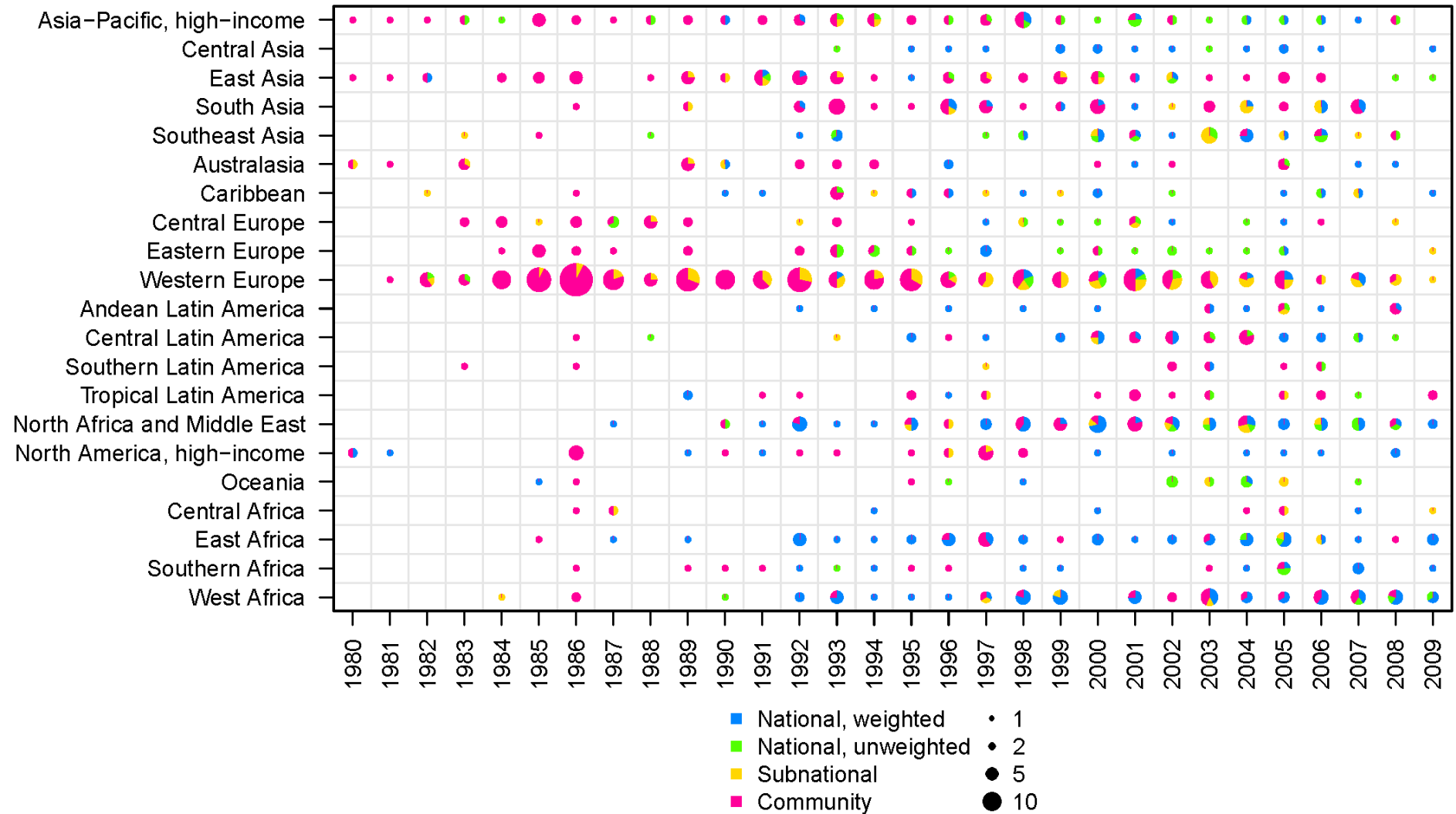
TC data availability by year and region



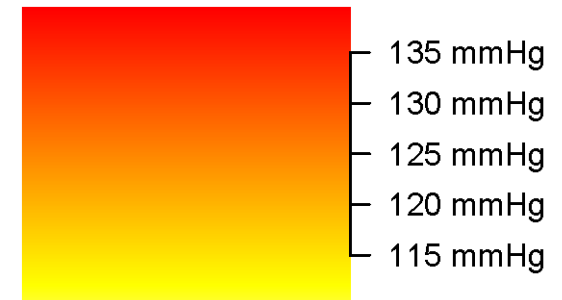
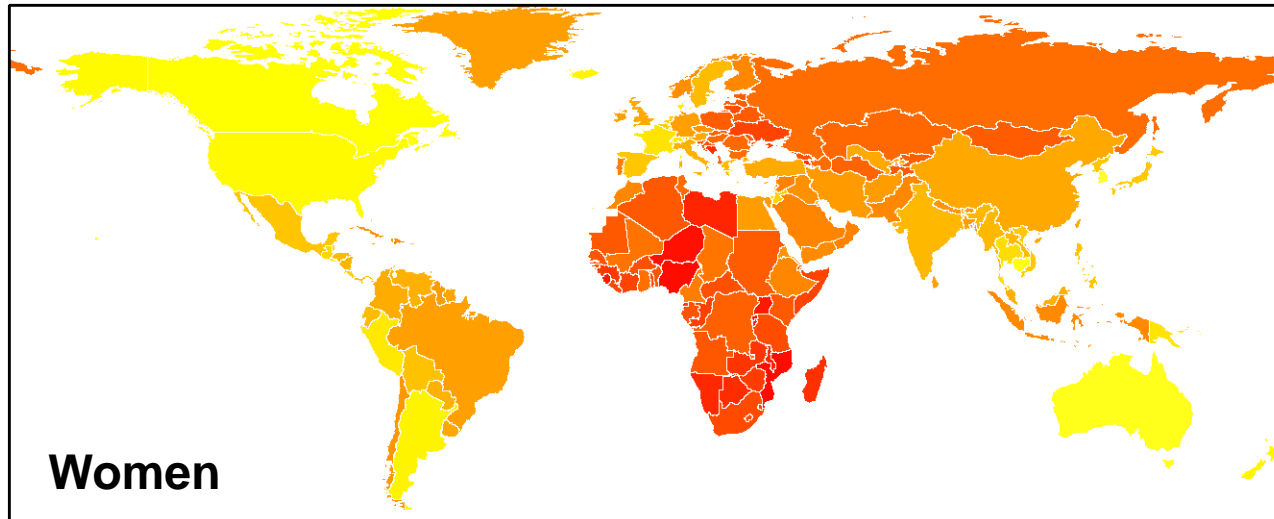
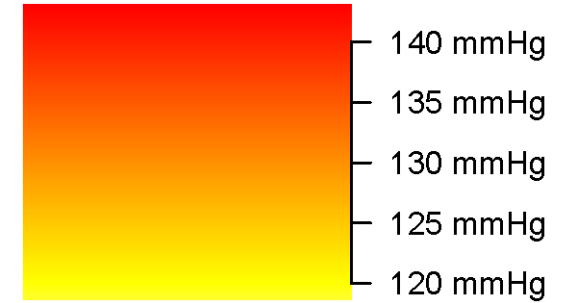
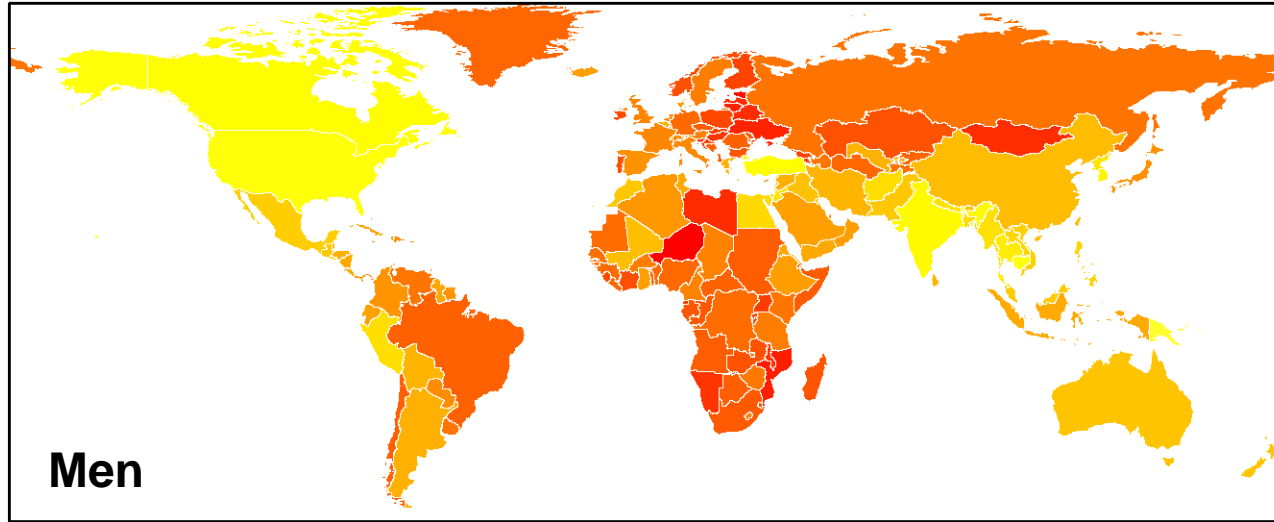
BMI data availability by year and region (male)



BMI data availability by year and region (female)

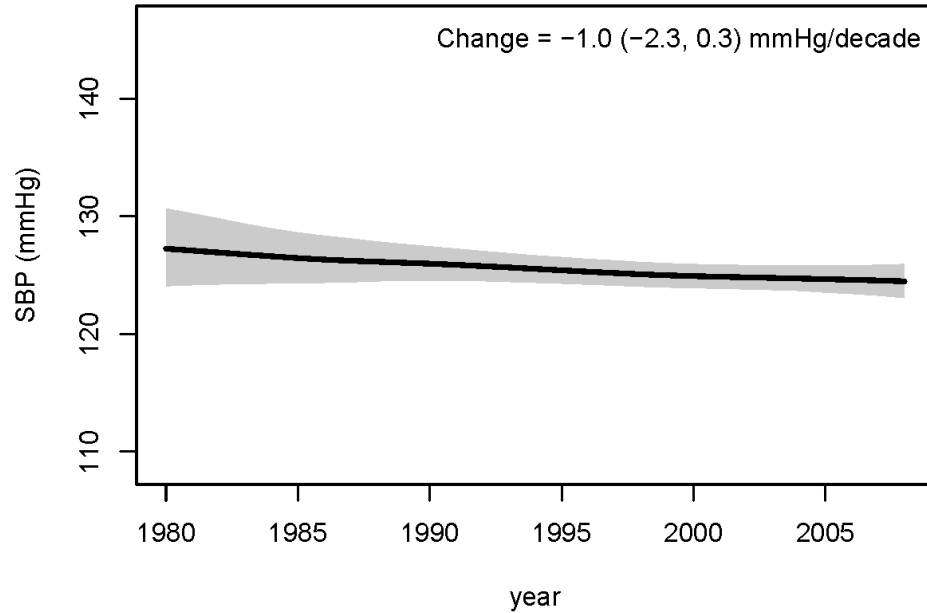


Age-standardized mean SBP in 2008

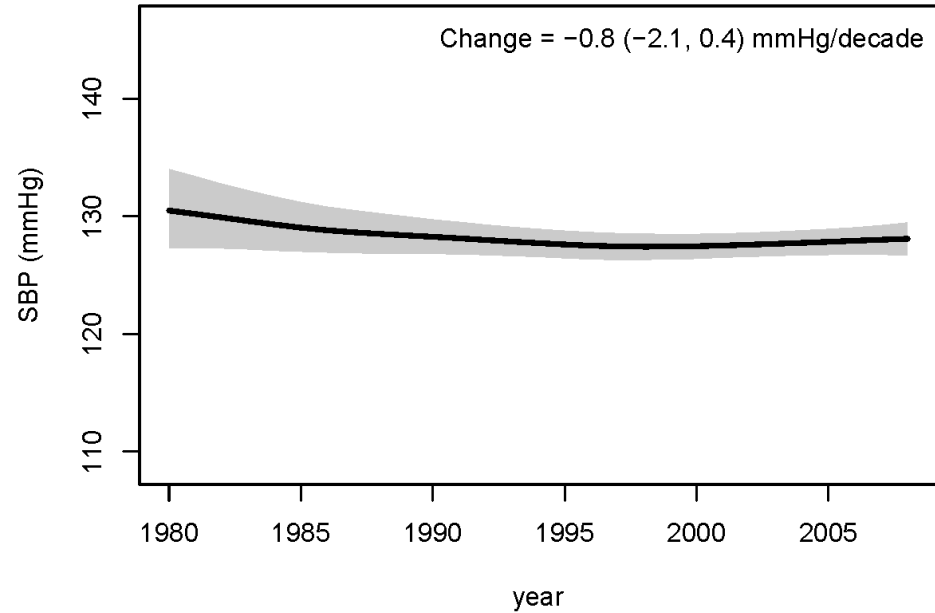


World trends in age-standardized mean SBP

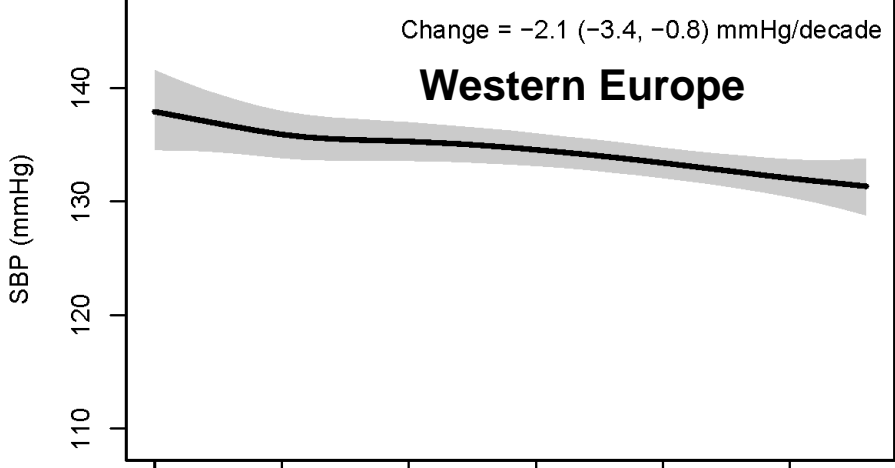
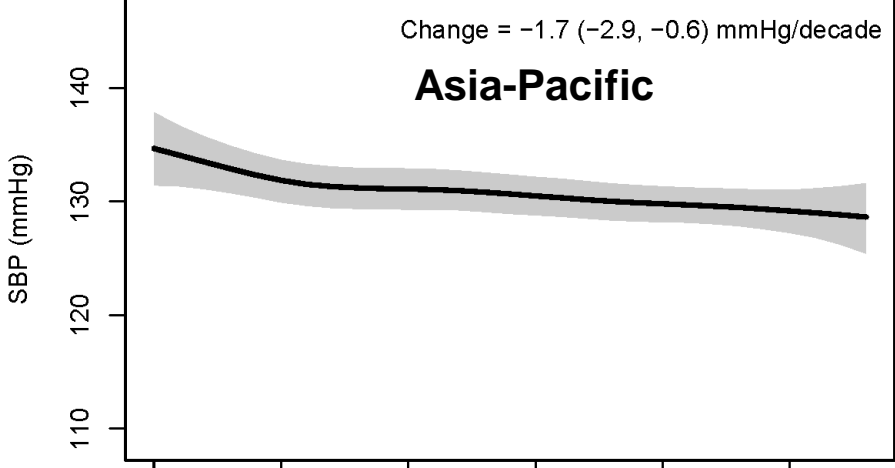
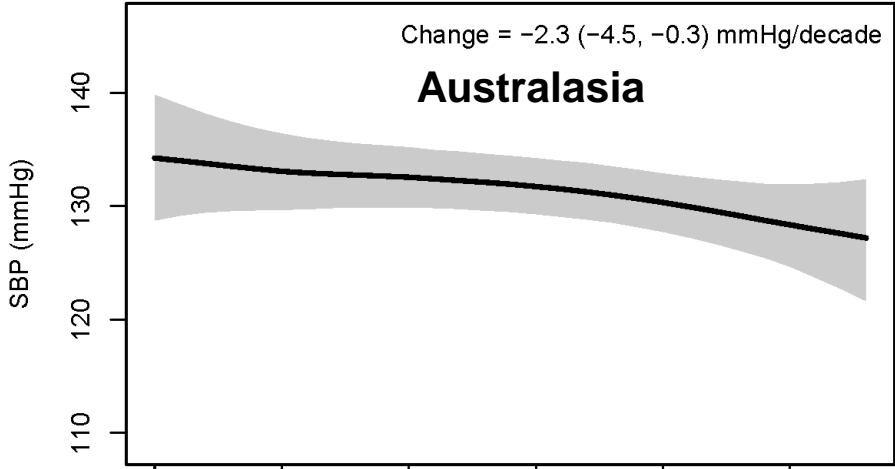
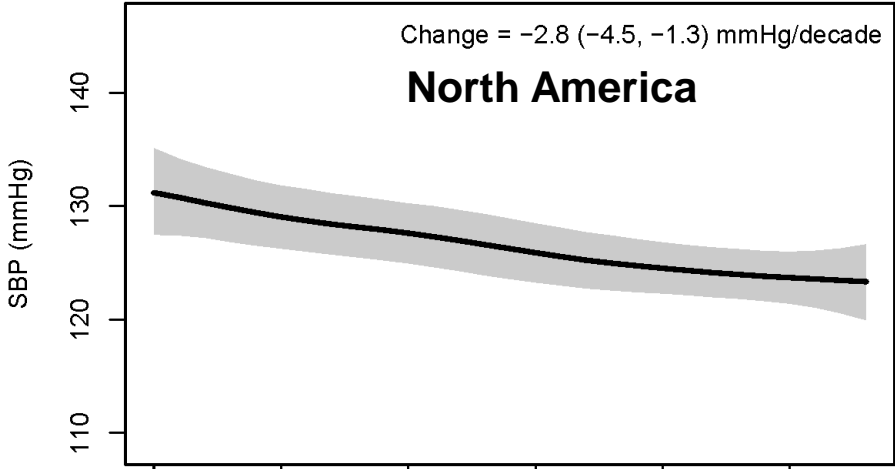
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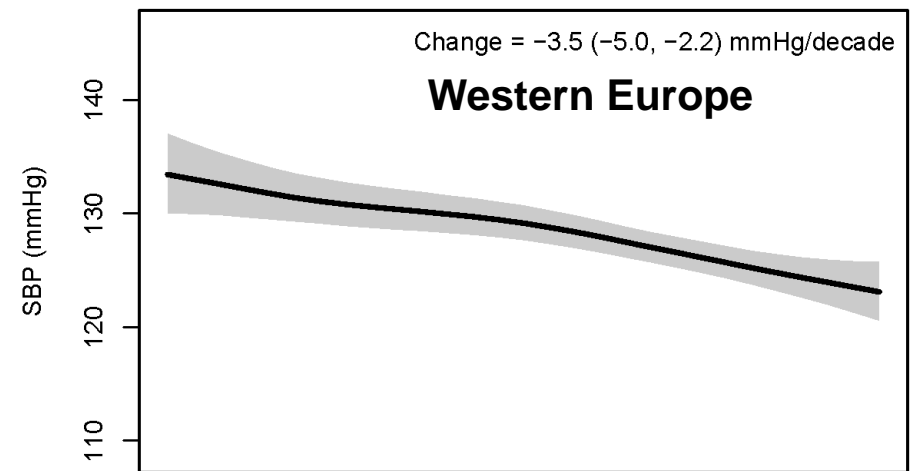
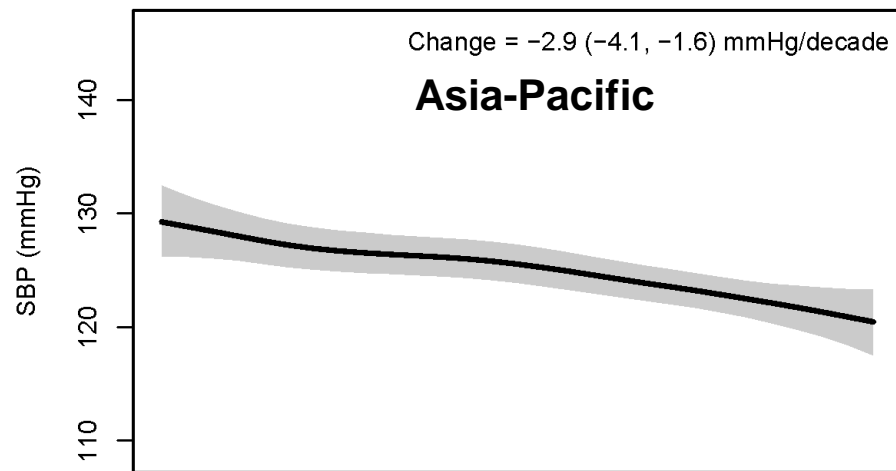
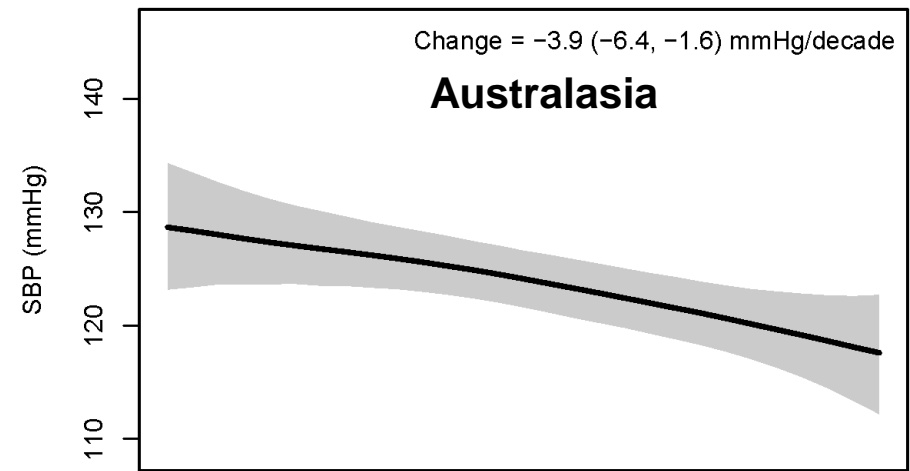
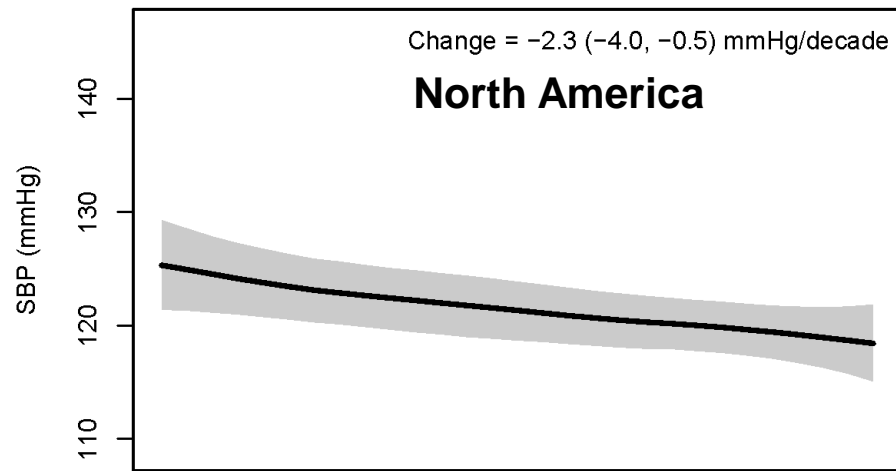
Men



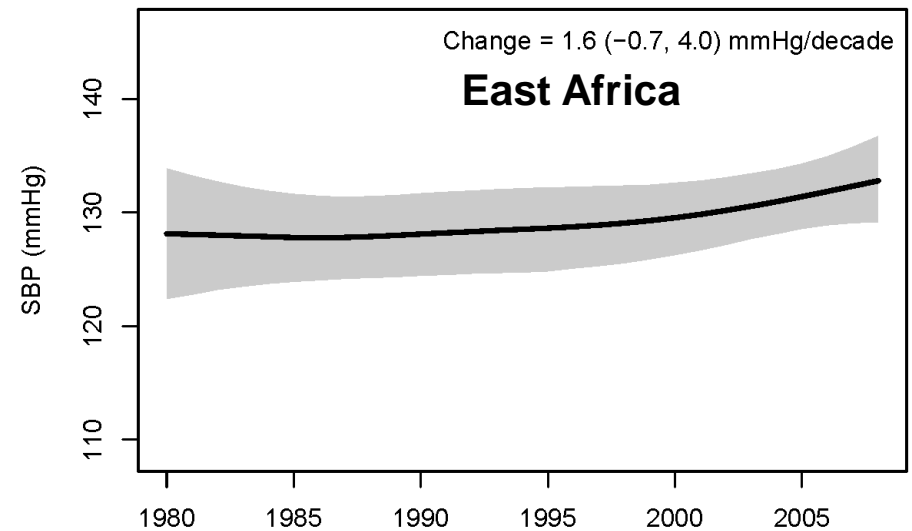
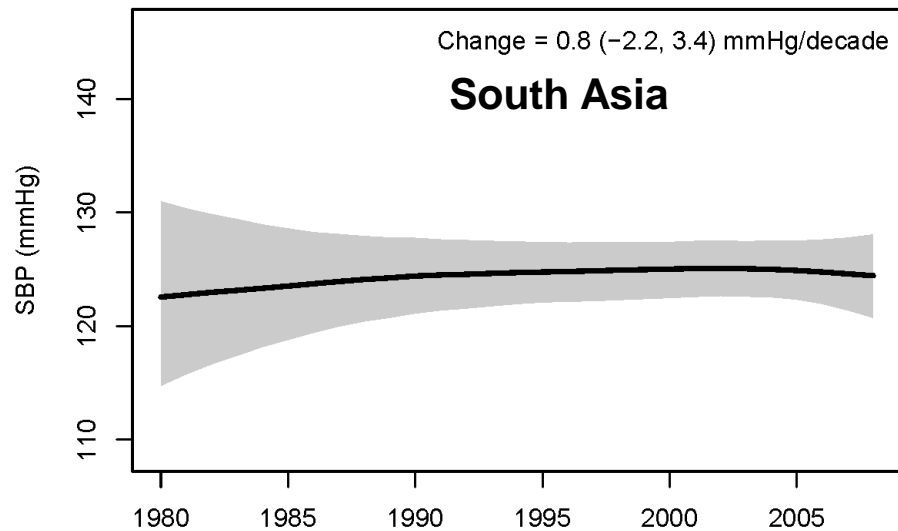
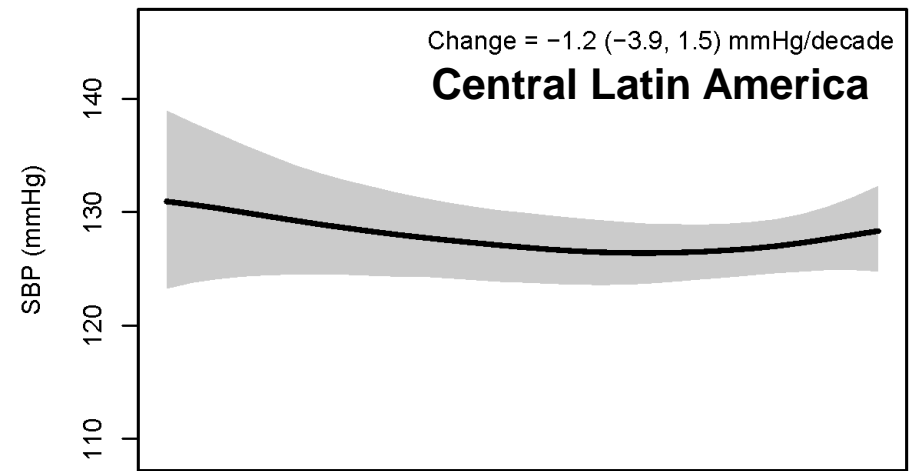
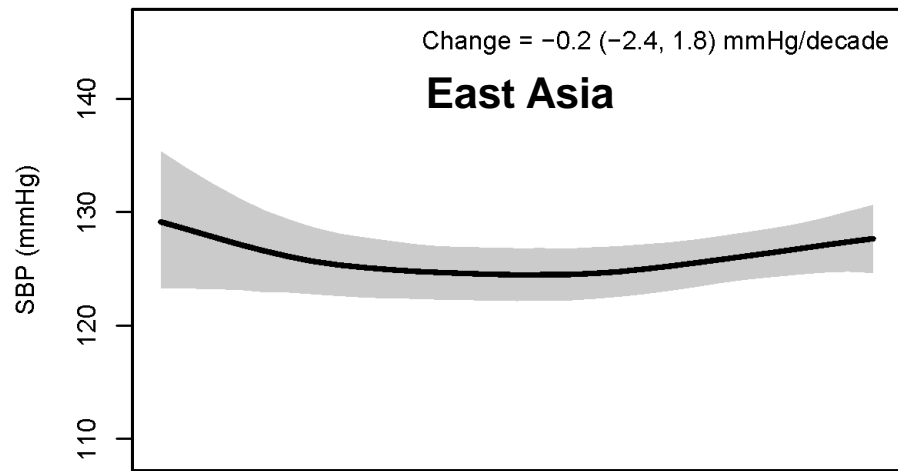
SBP trends in high-income regions (men)



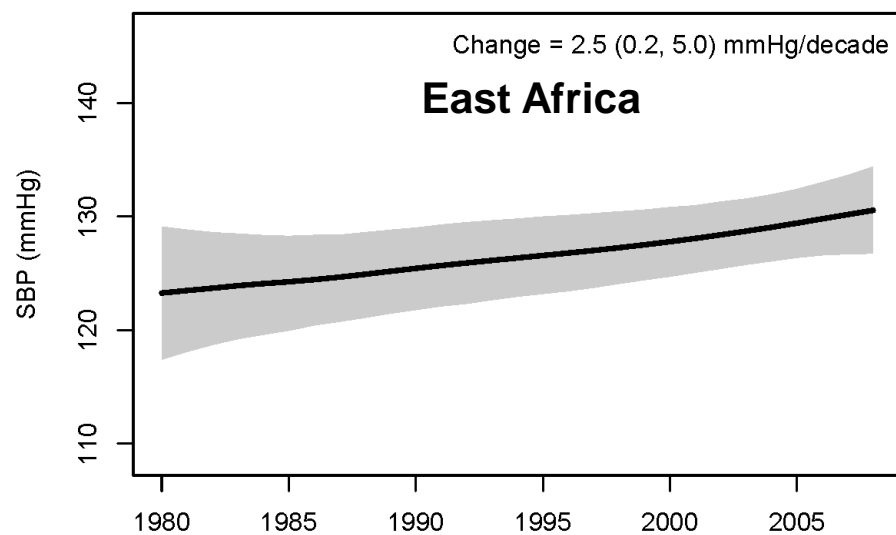
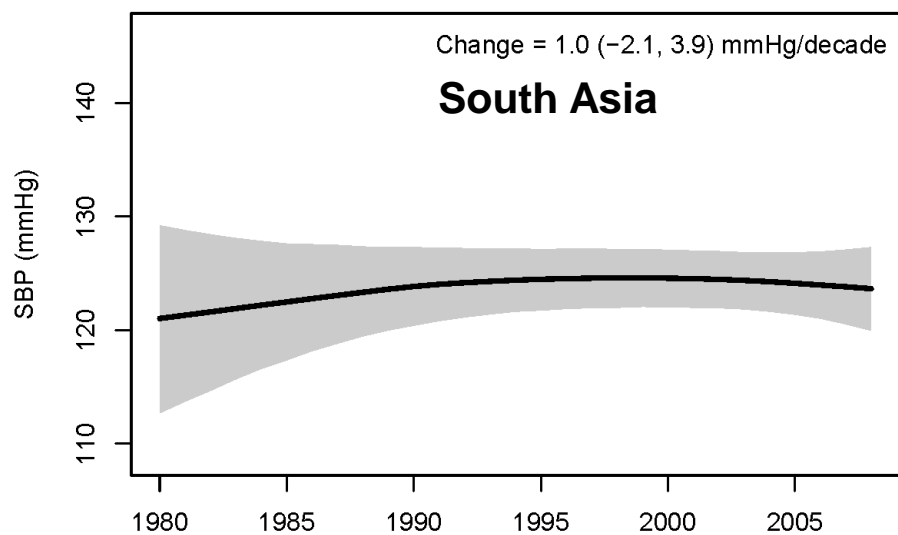
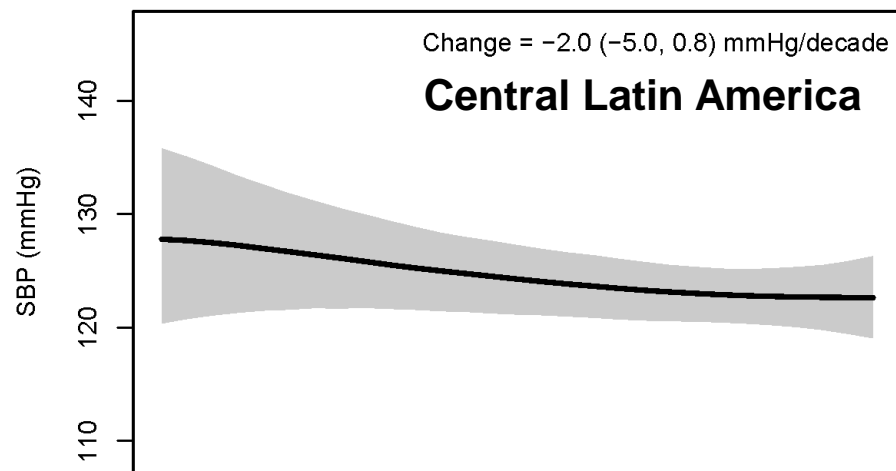
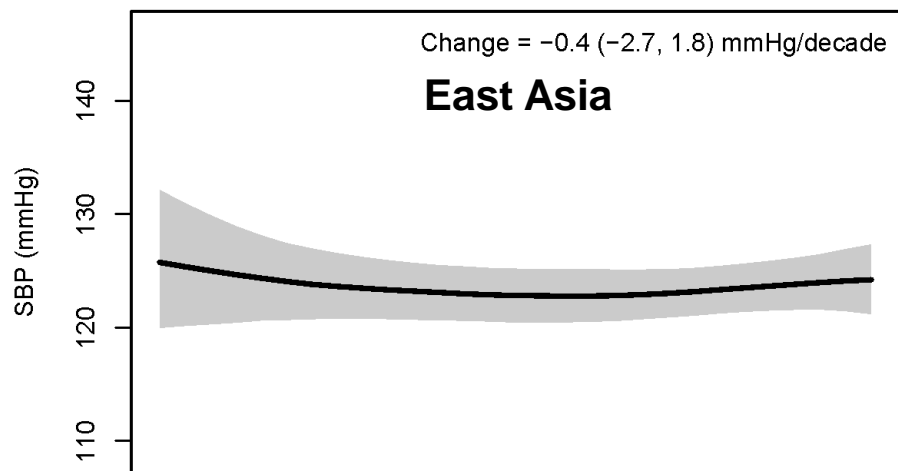
SBP trends in high-income regions (women)



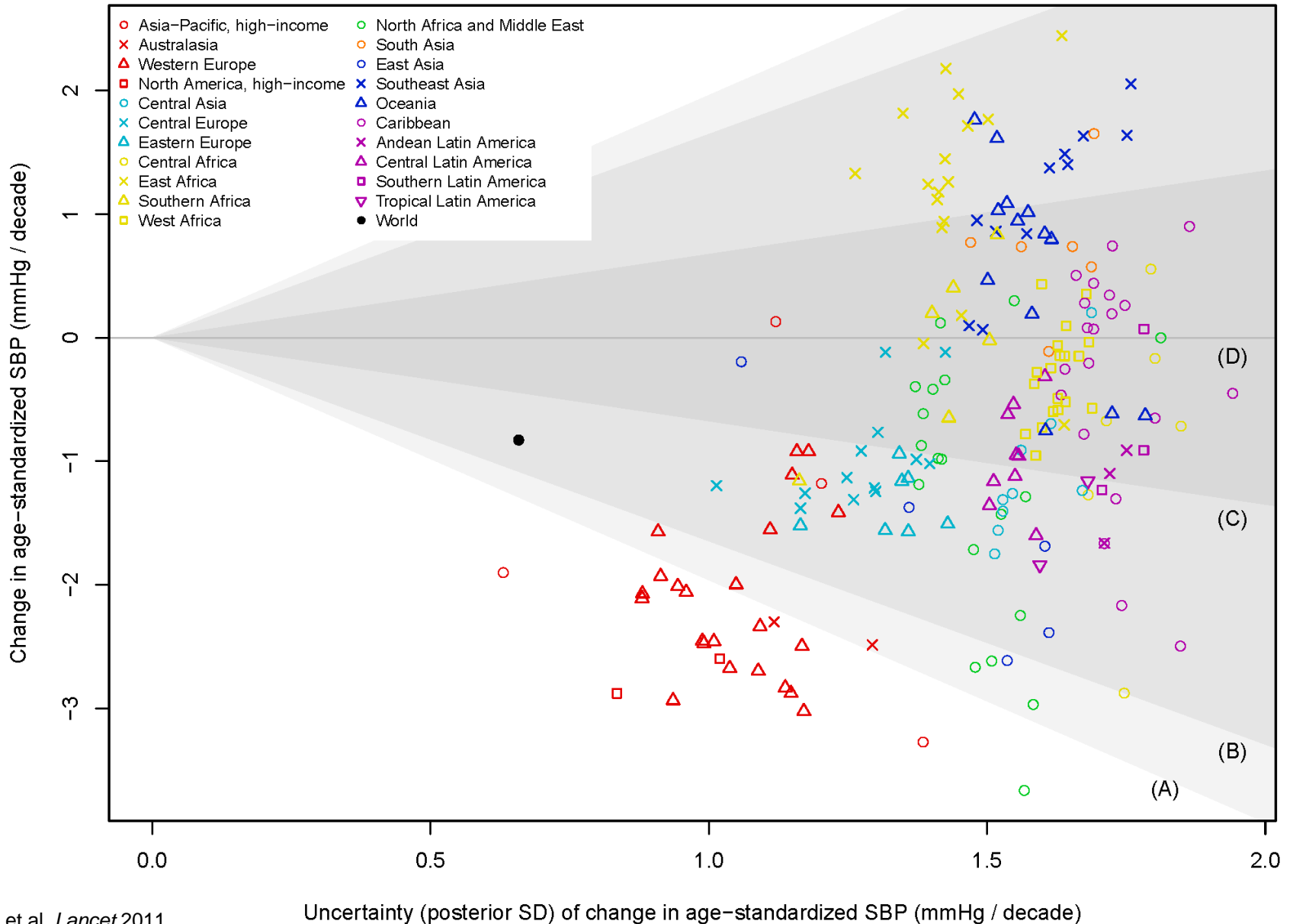
SBP trends in selected regions (men)



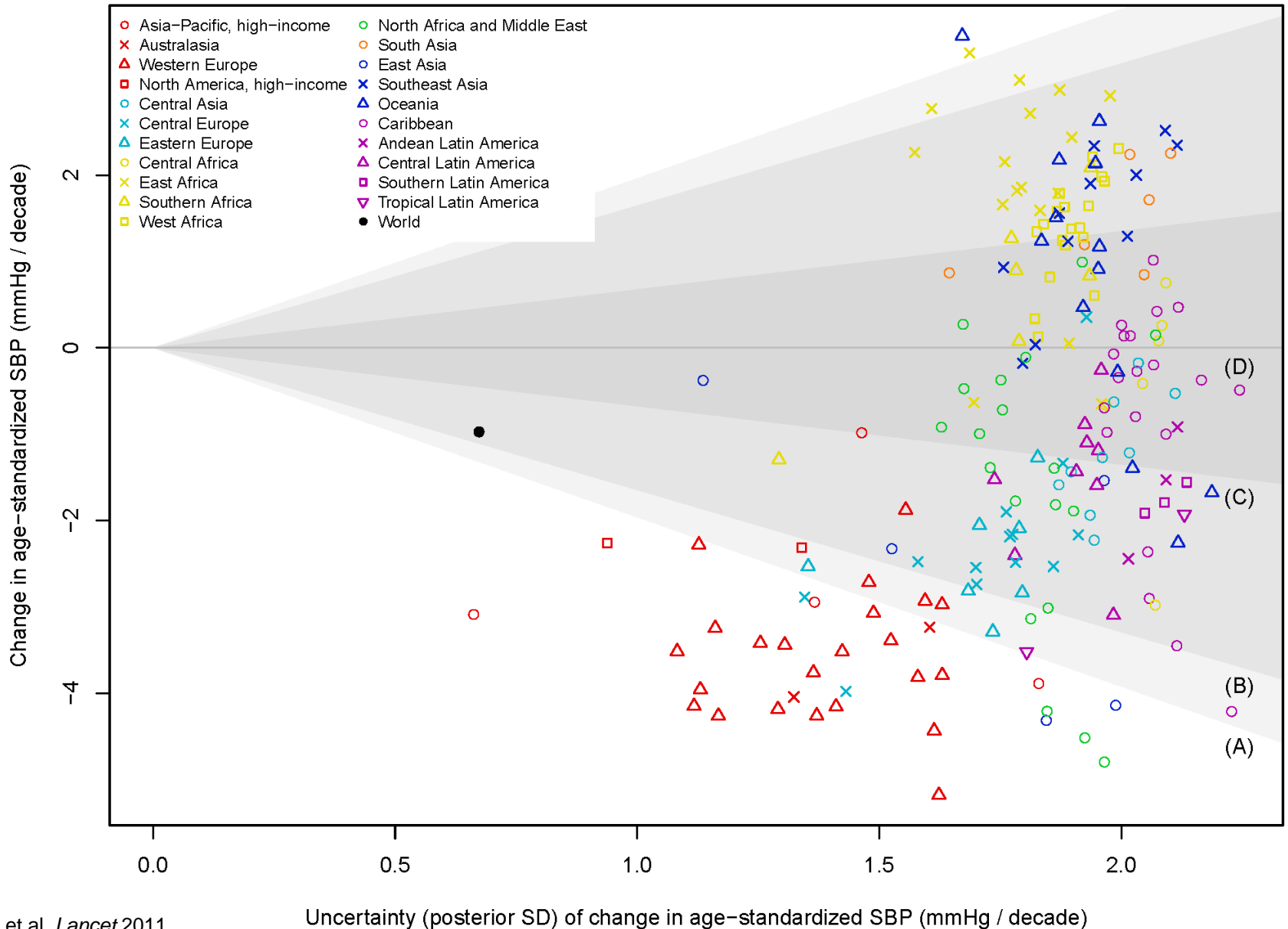
SBP trends in selected regions (women)



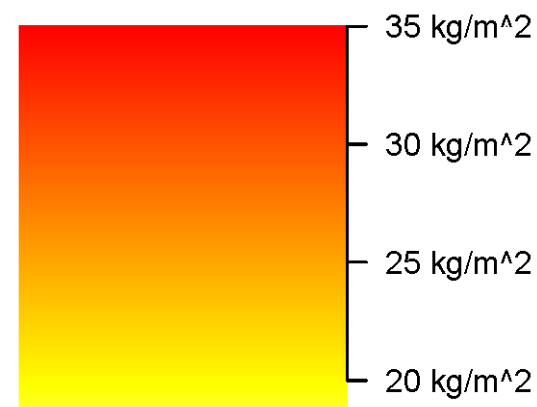
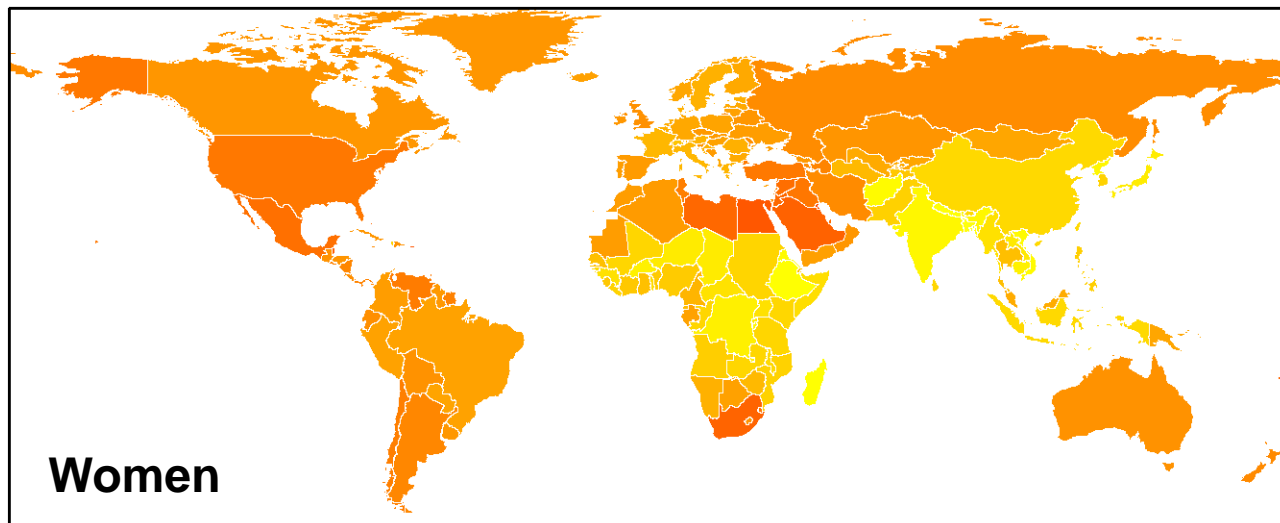
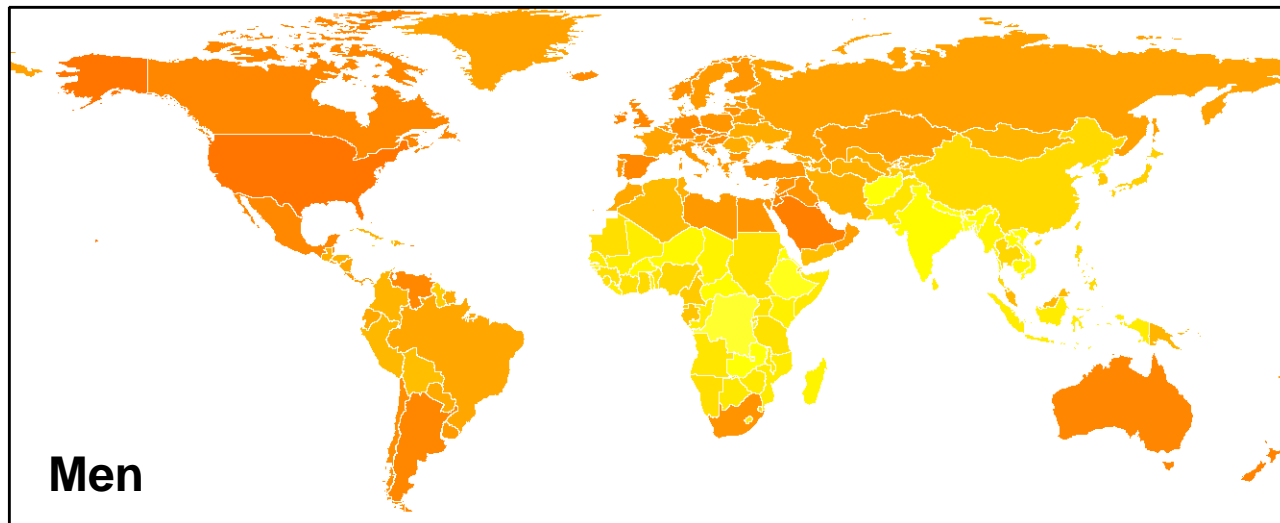
Change in SBP in 199 countries (men)



Change in SBP in 199 countries (women)

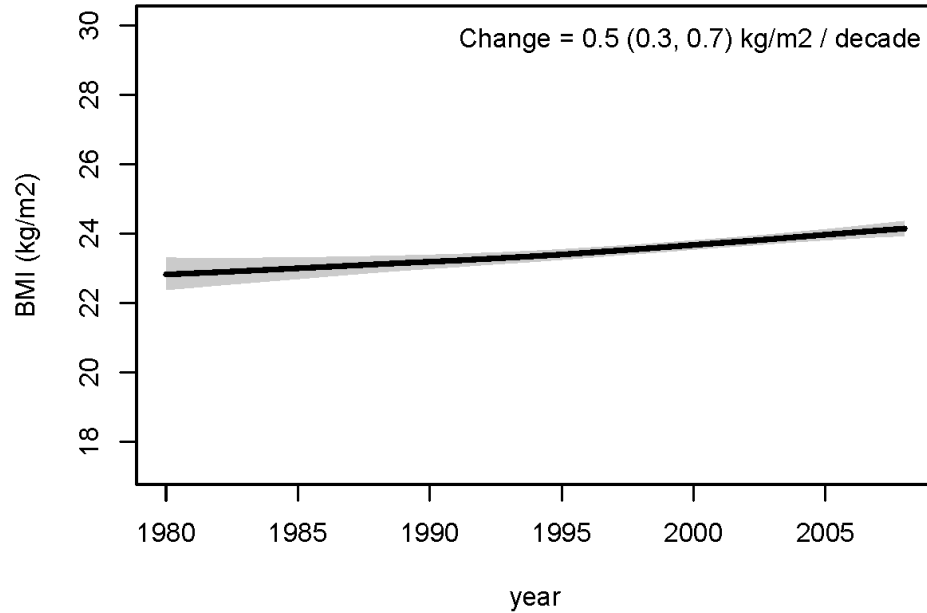


Age-standardized mean BMI in 2008

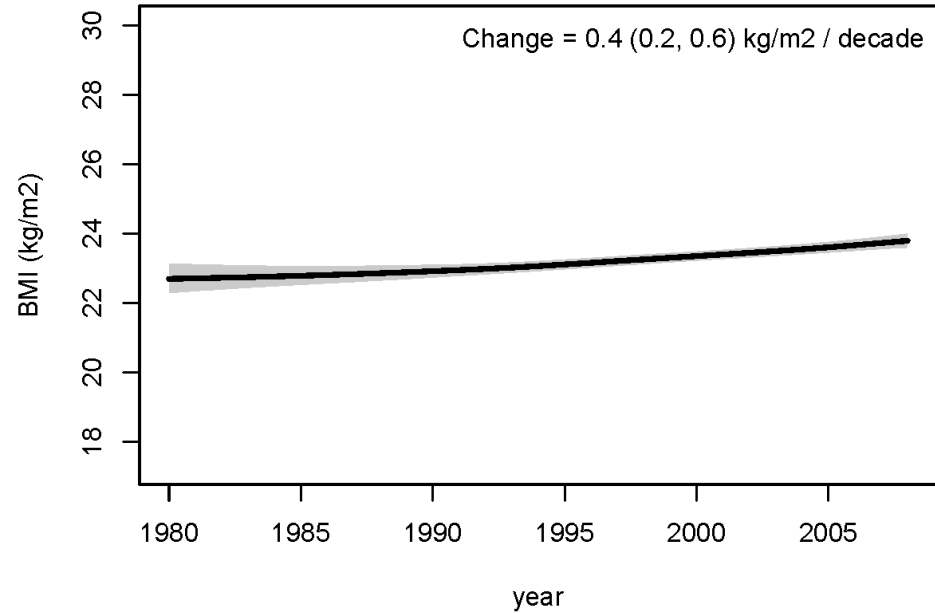


World trends in age-standardized mean BMI

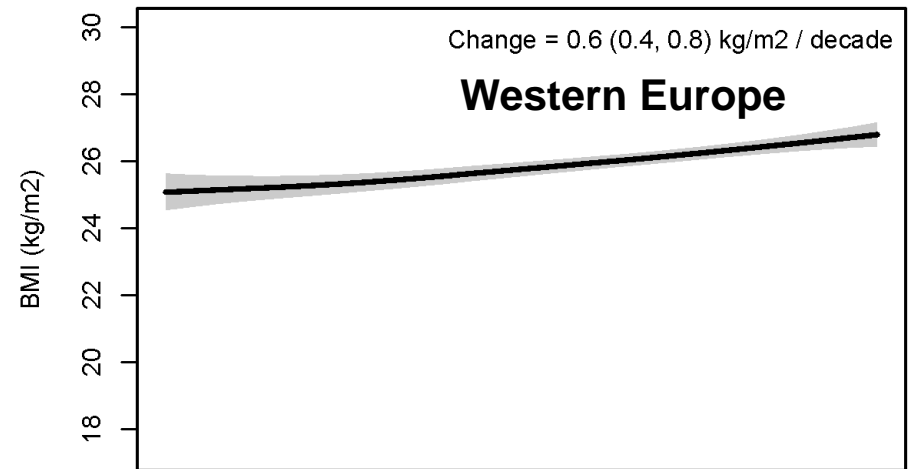
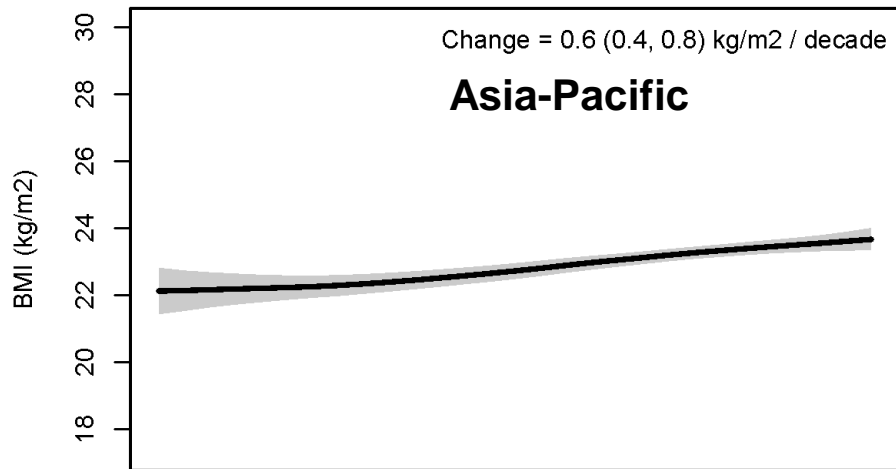
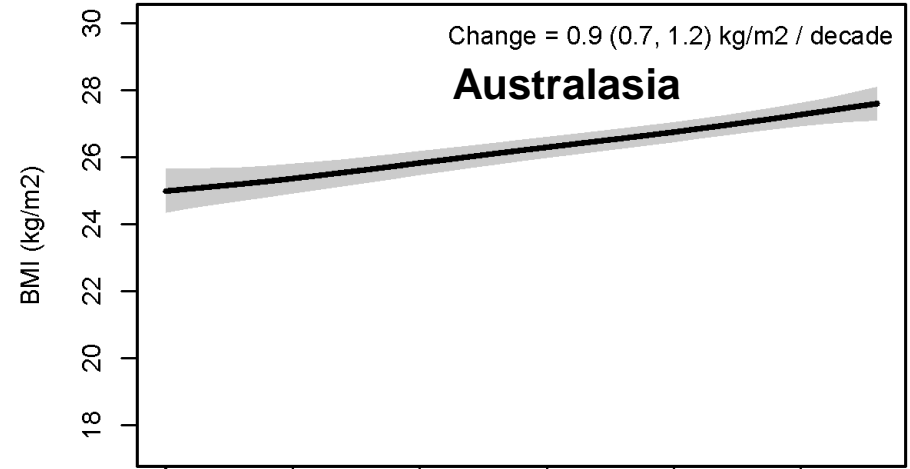
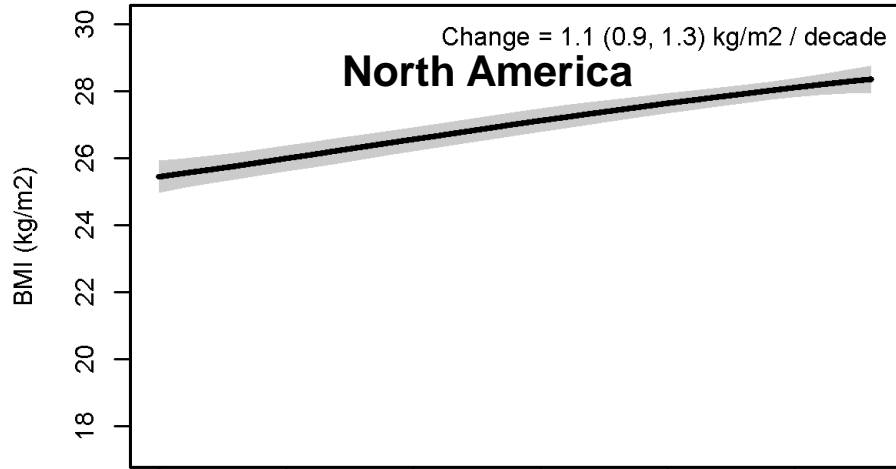
Women



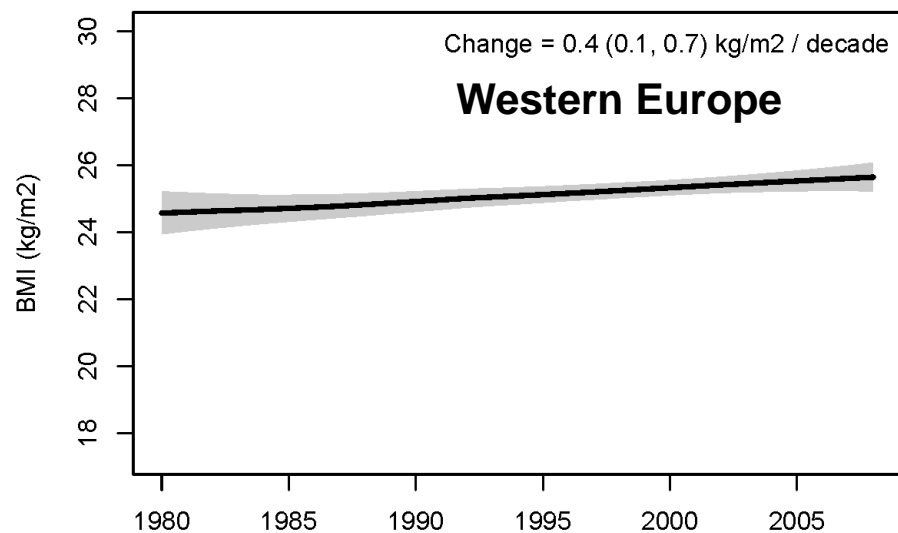
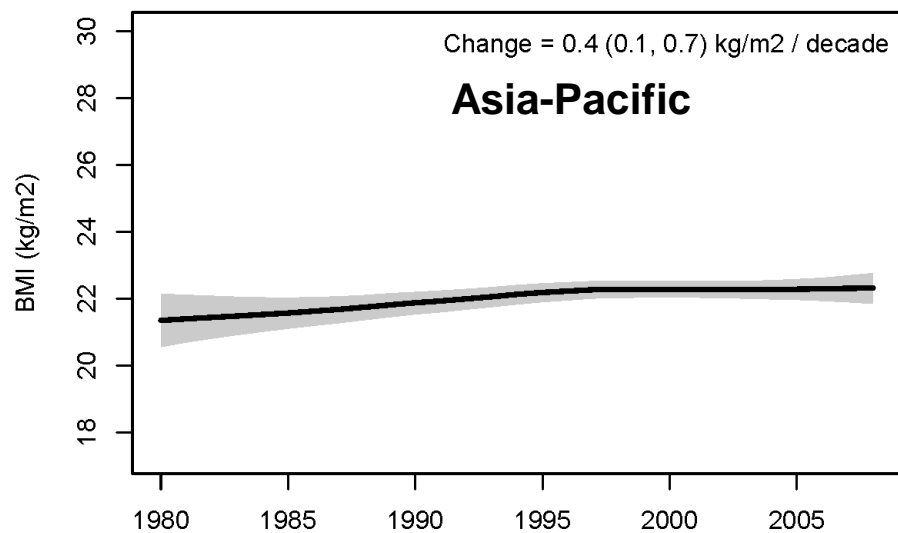
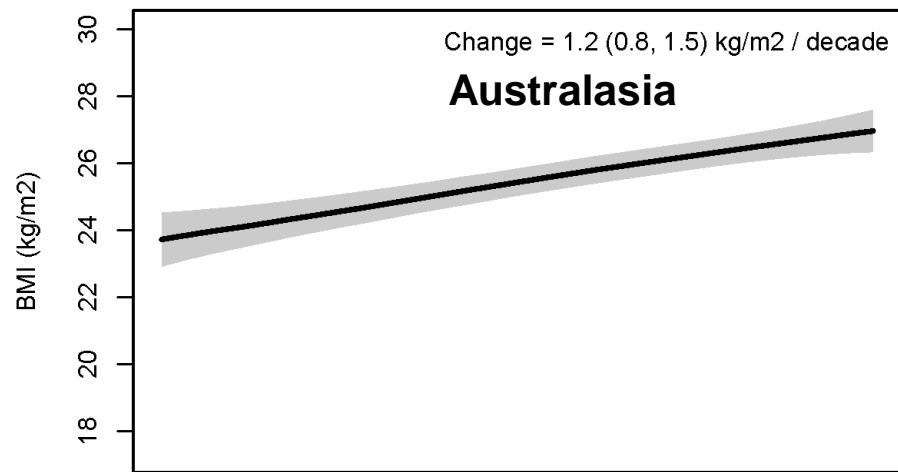
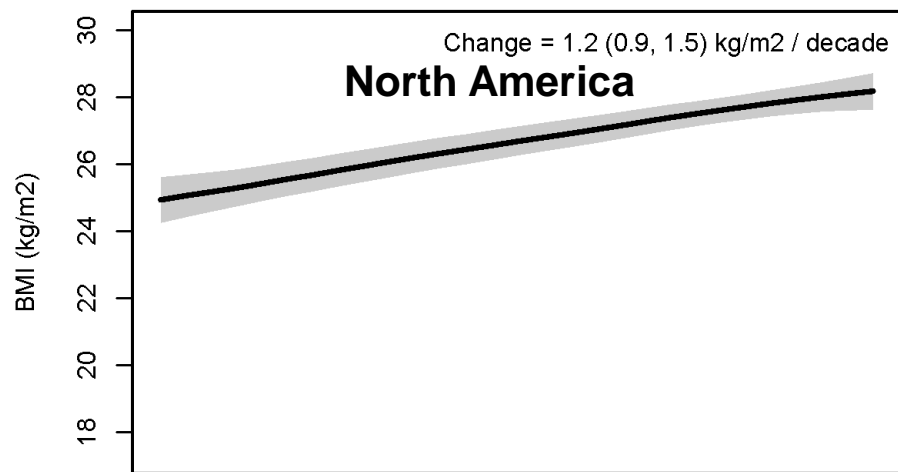
Men



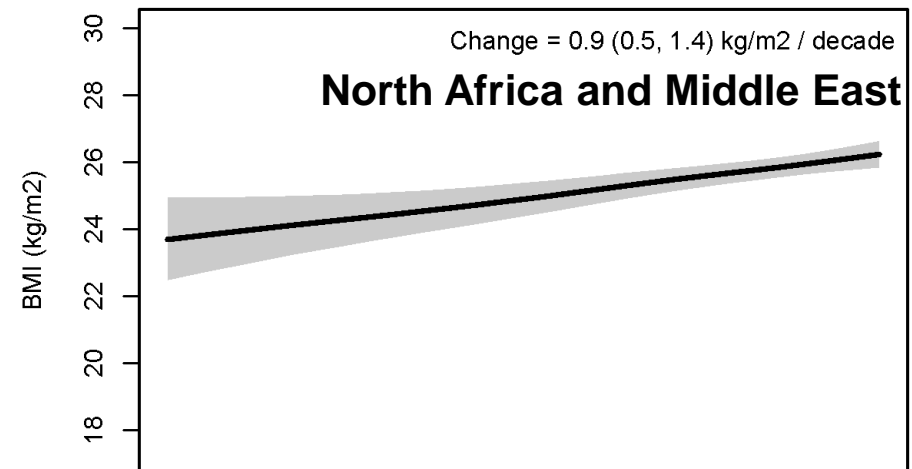
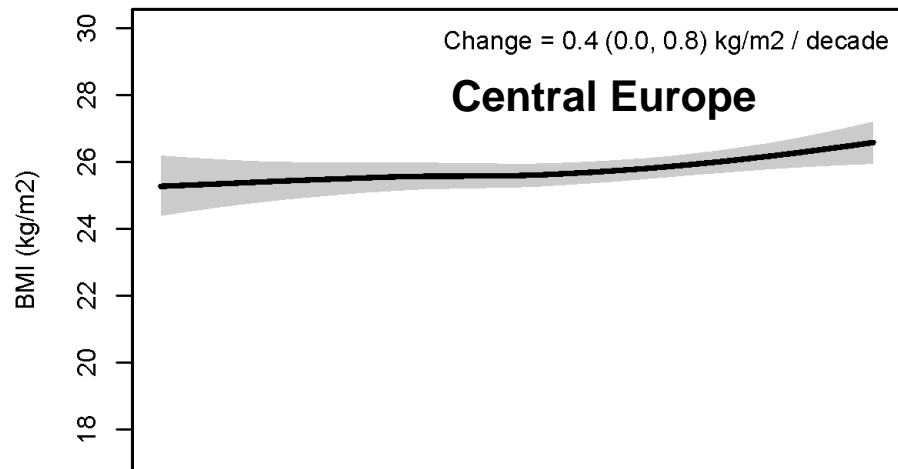
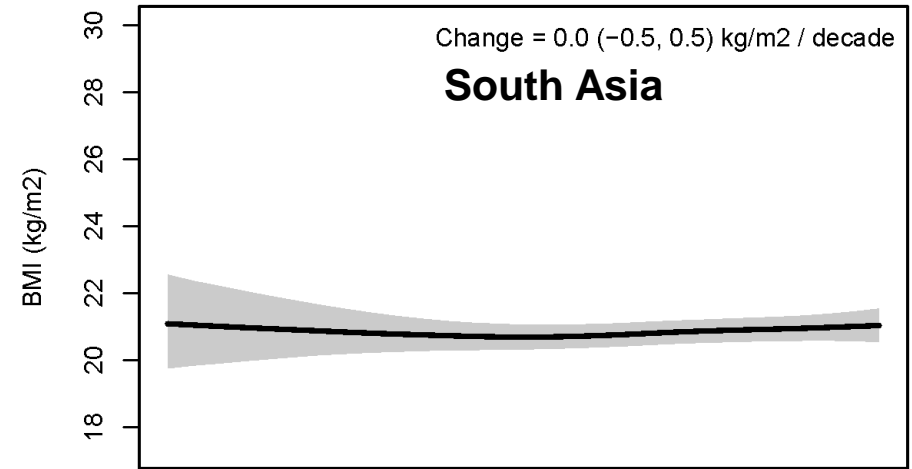
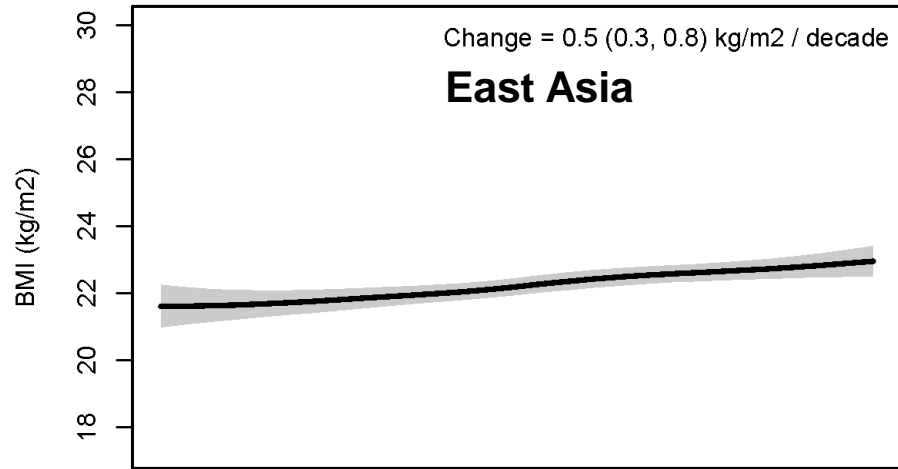
BMI trends in high-income regions (men)



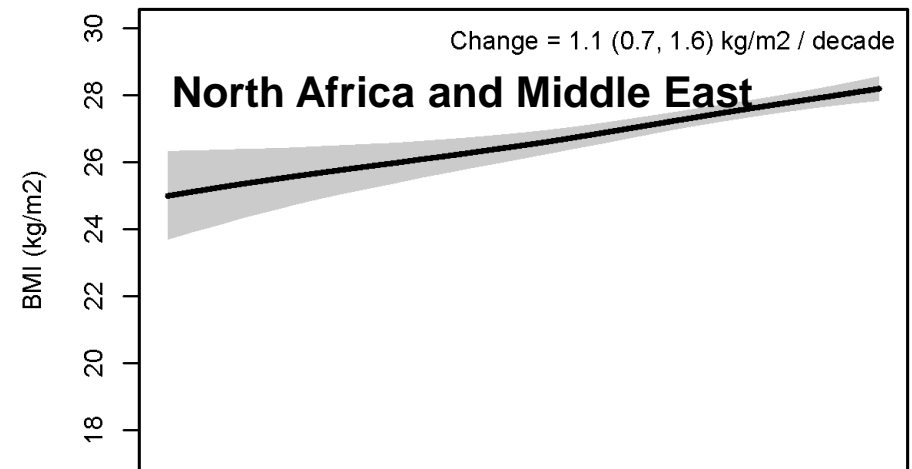
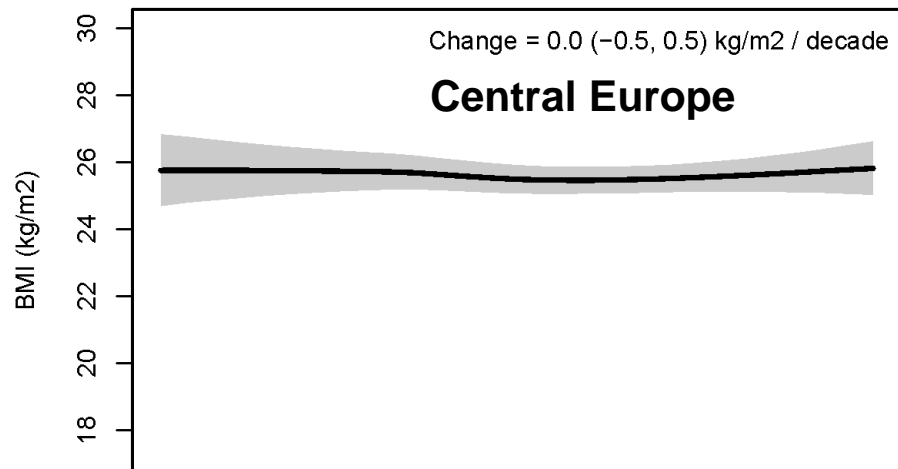
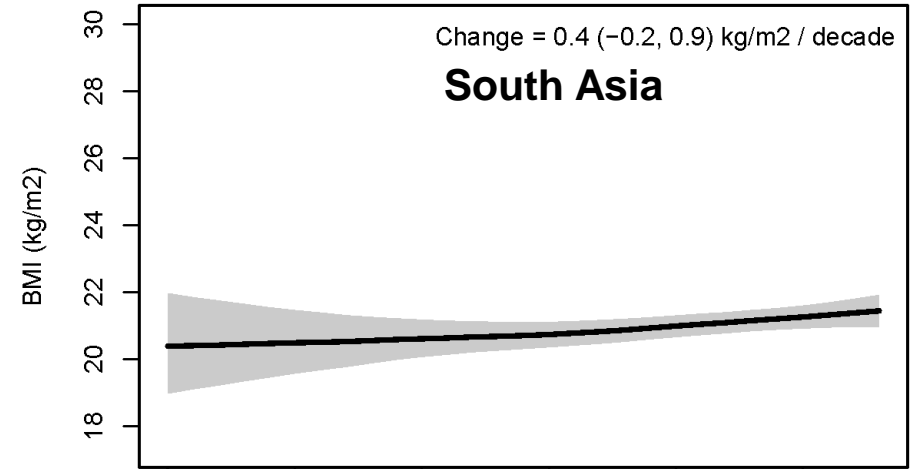
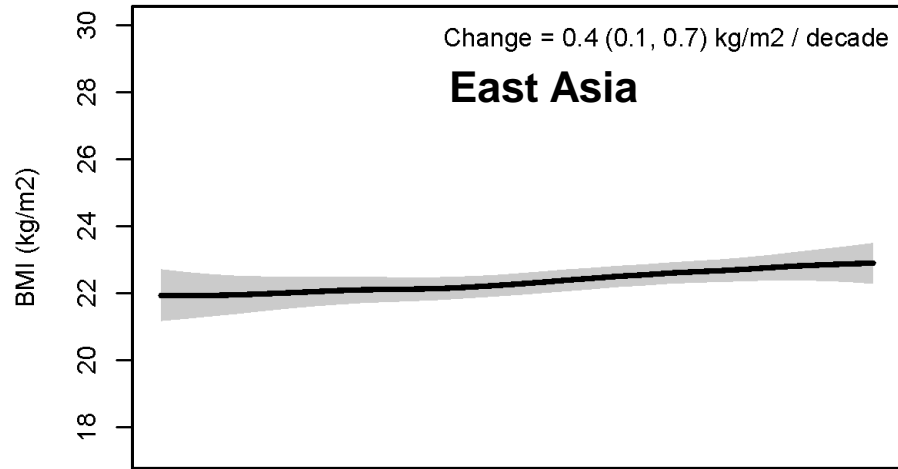
BMI trends in high-income regions (women)



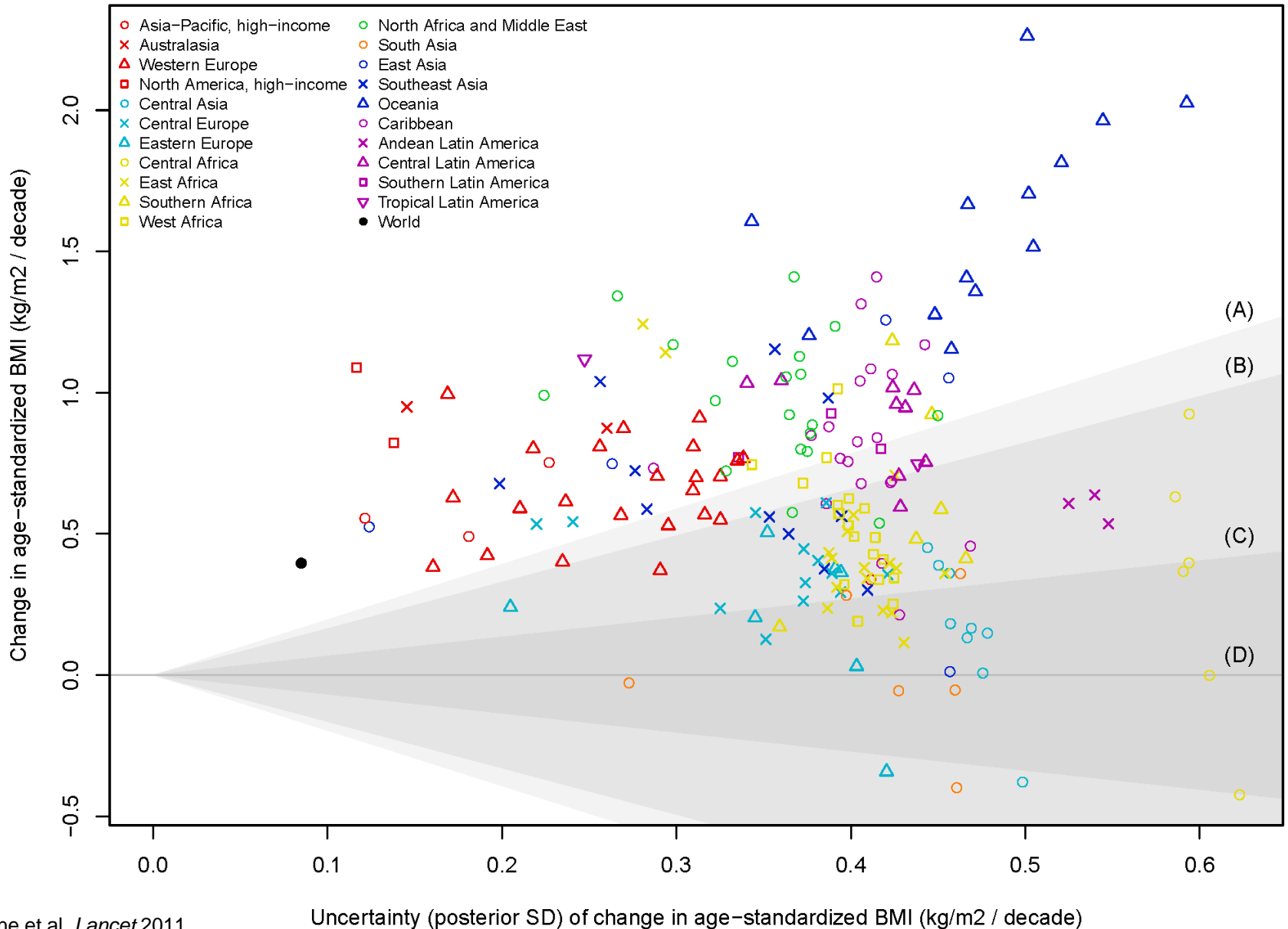
BMI trends in selected regions (men)



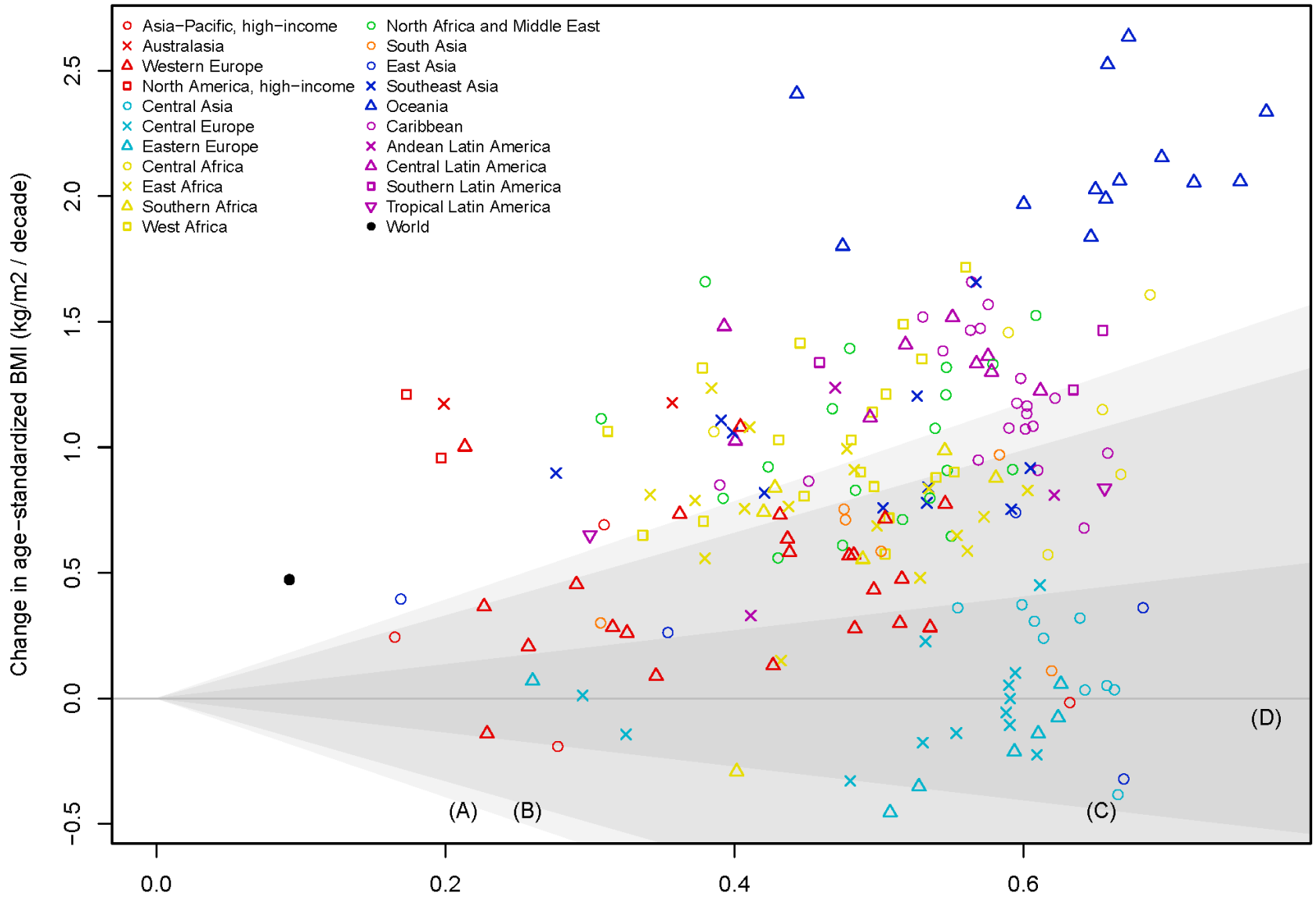
BMI trends in selected regions (women)



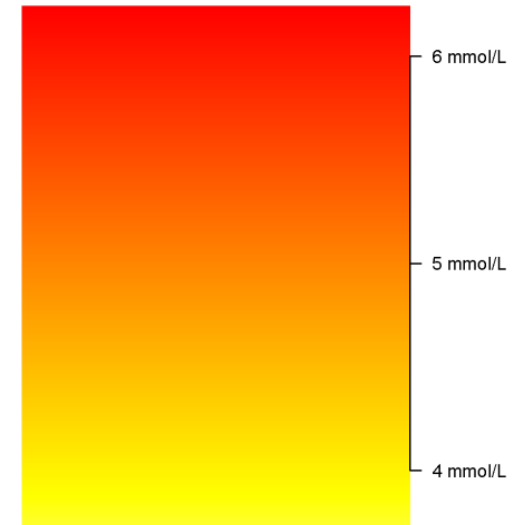
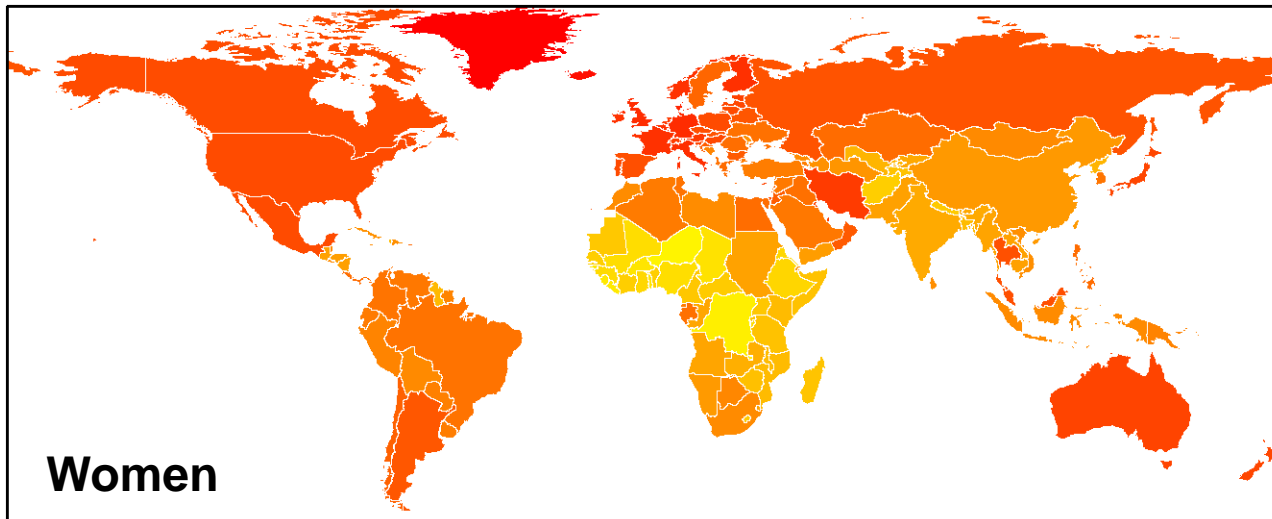
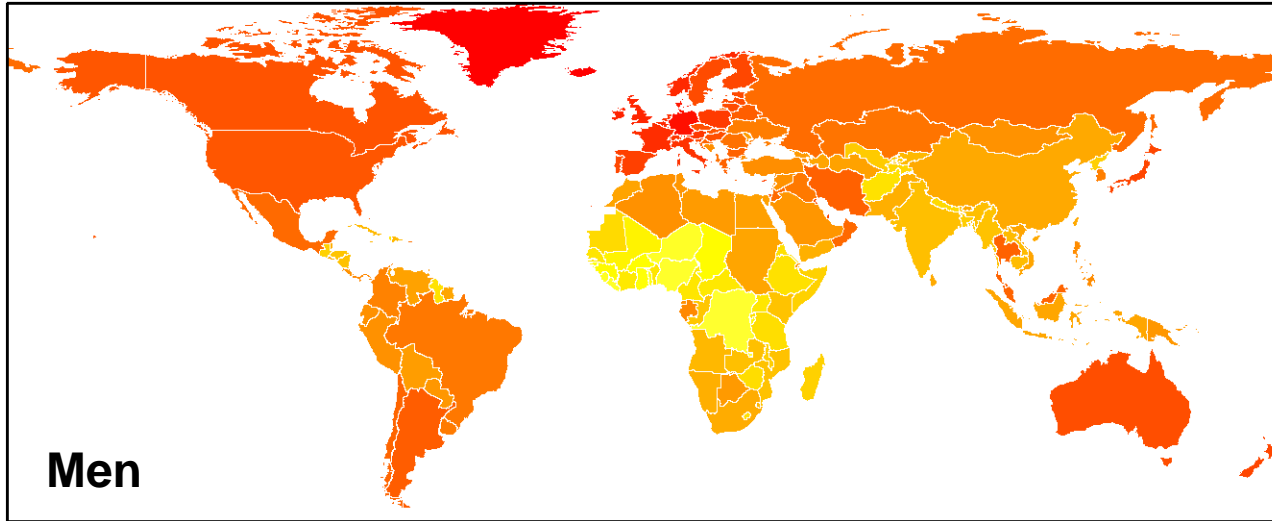
Change in BMI in 199 countries (men)



Change in BMI in 199 countries (women)

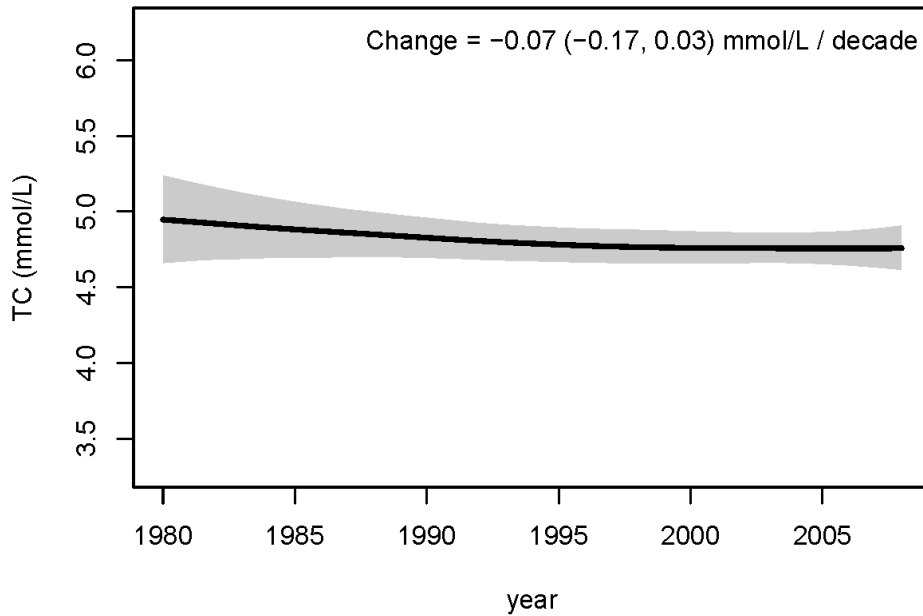


Age-standardized mean TC in 2008

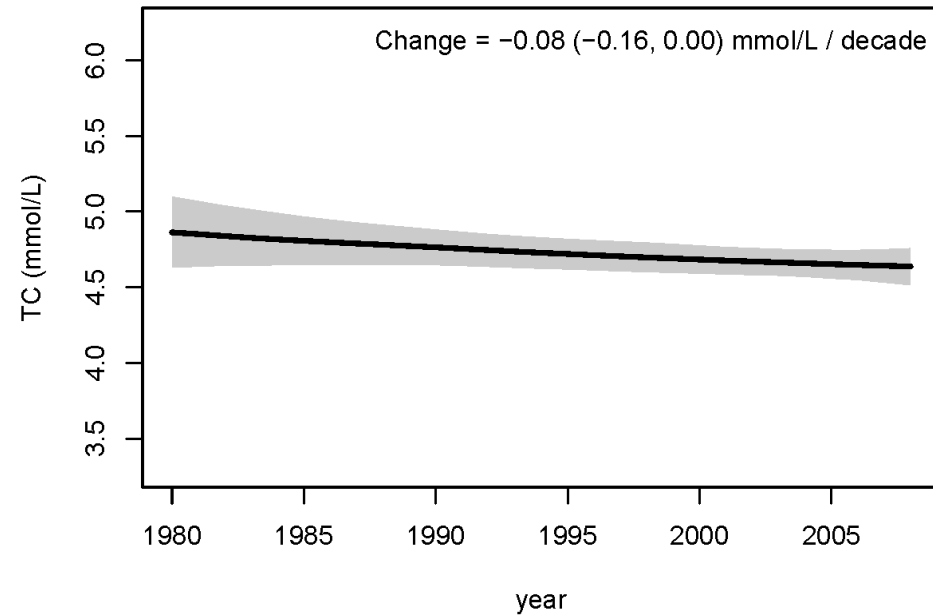


World trends in age-standardized mean TC

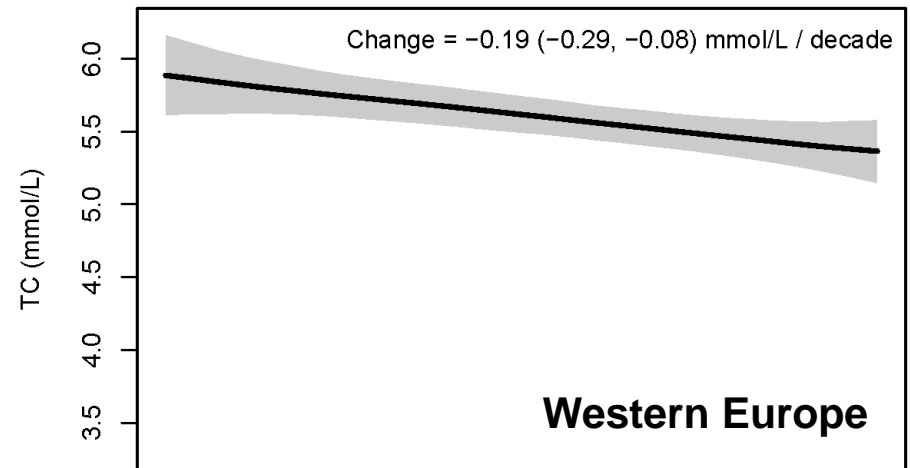
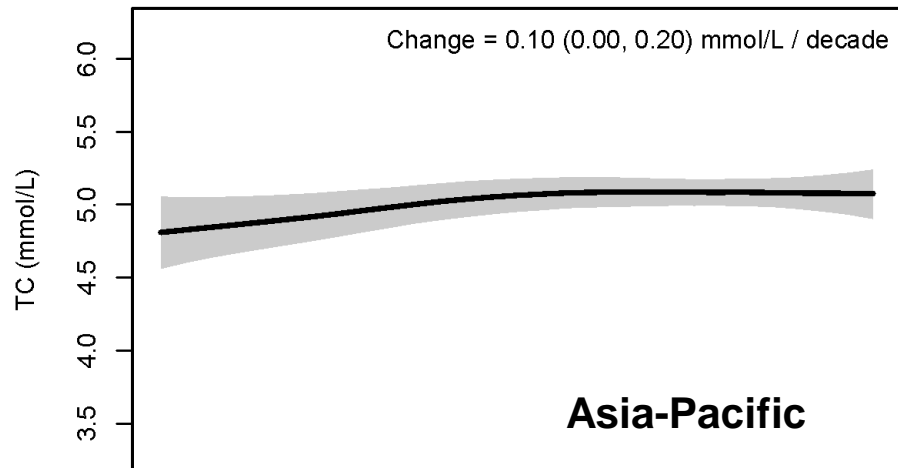
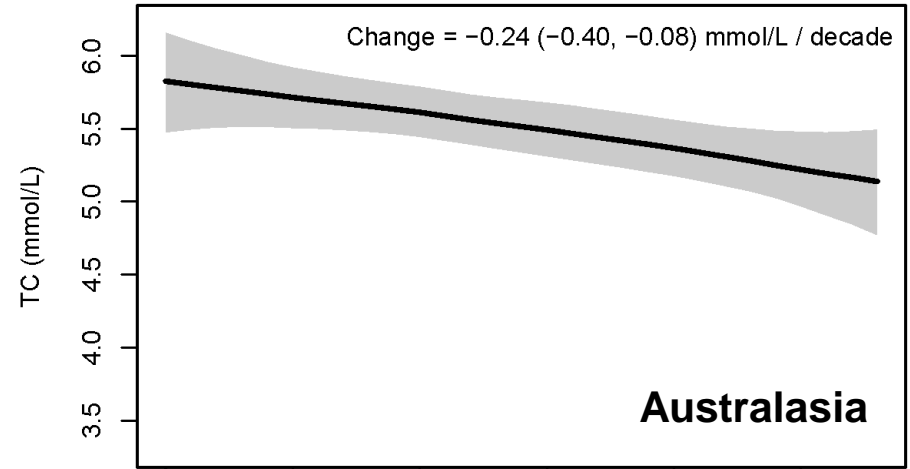
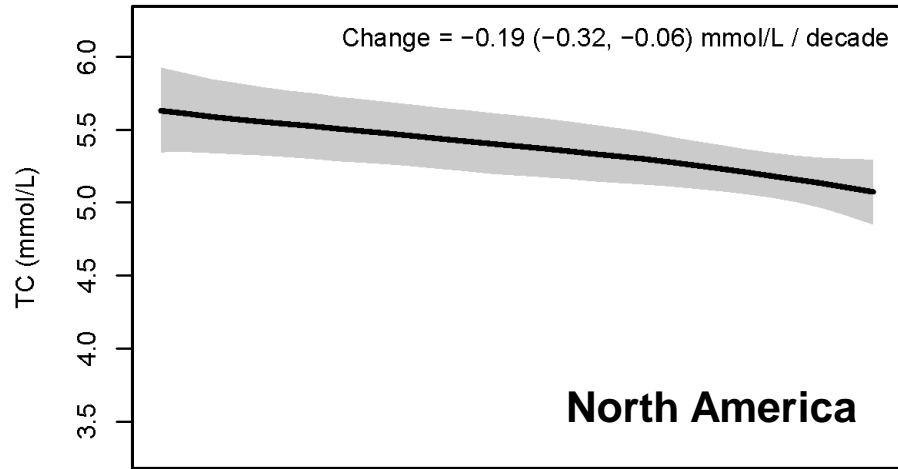
Women



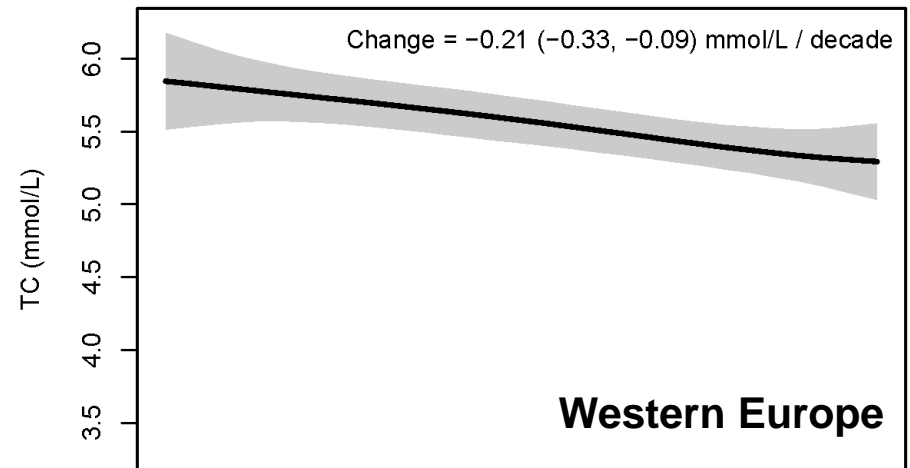
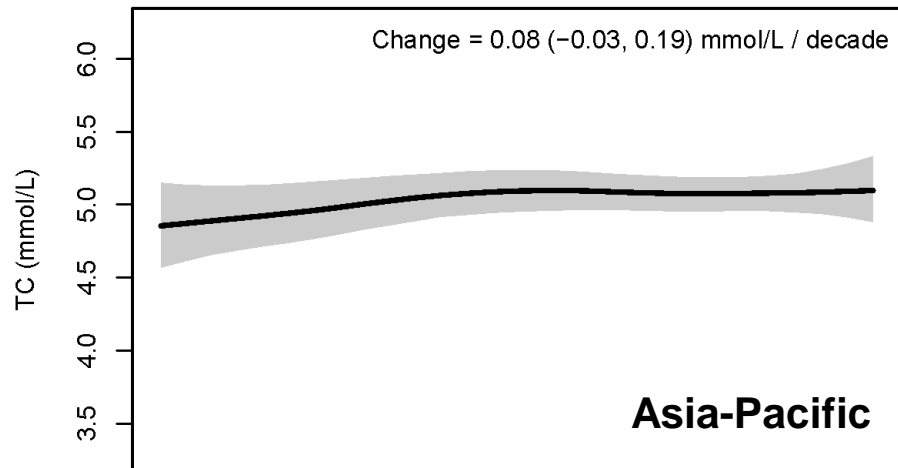
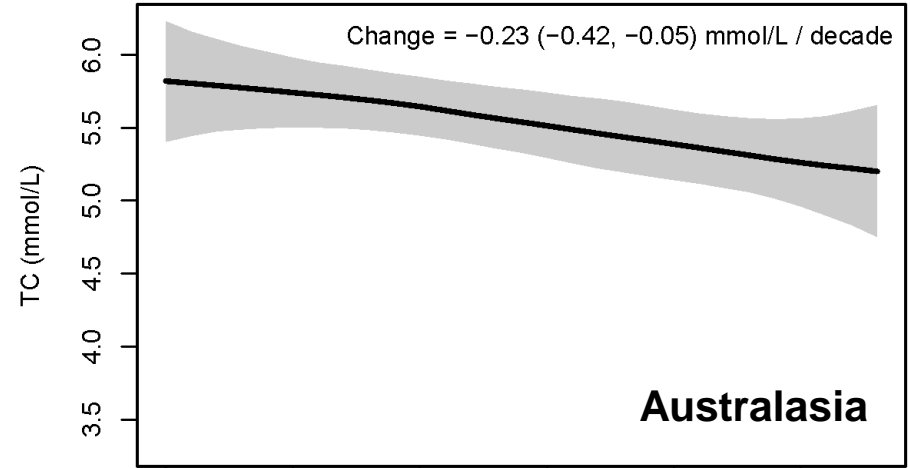
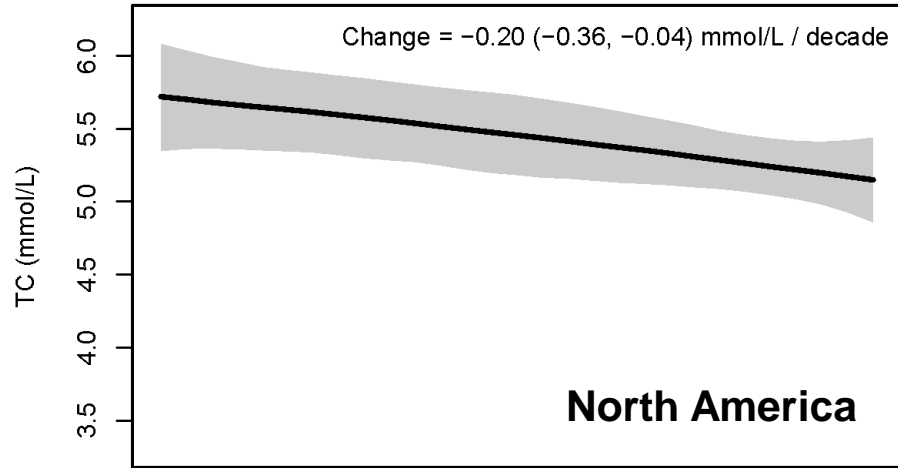
Men



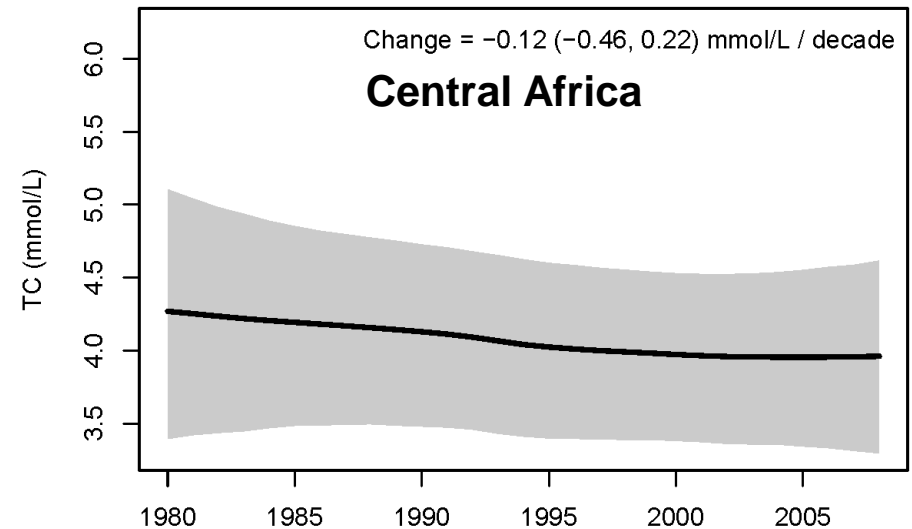
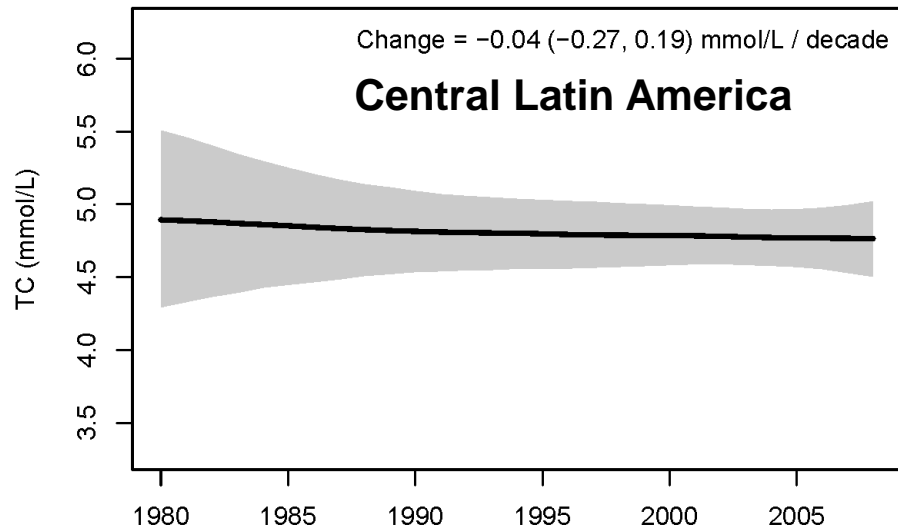
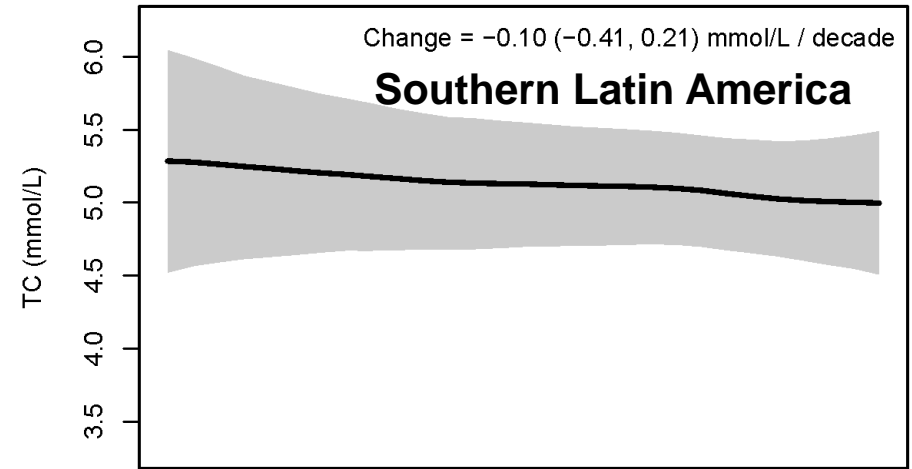
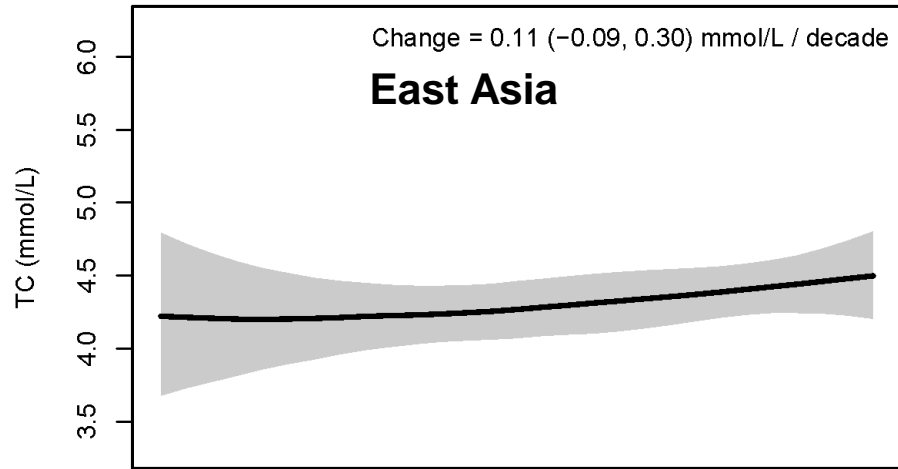
TC trends in high-income regions (men)



TC trends in high-income regions (women)



TC trends in selected regions (men)



TC trends in selected regions (women)

