C4 and C5
birthweight and gestational age

Presentation

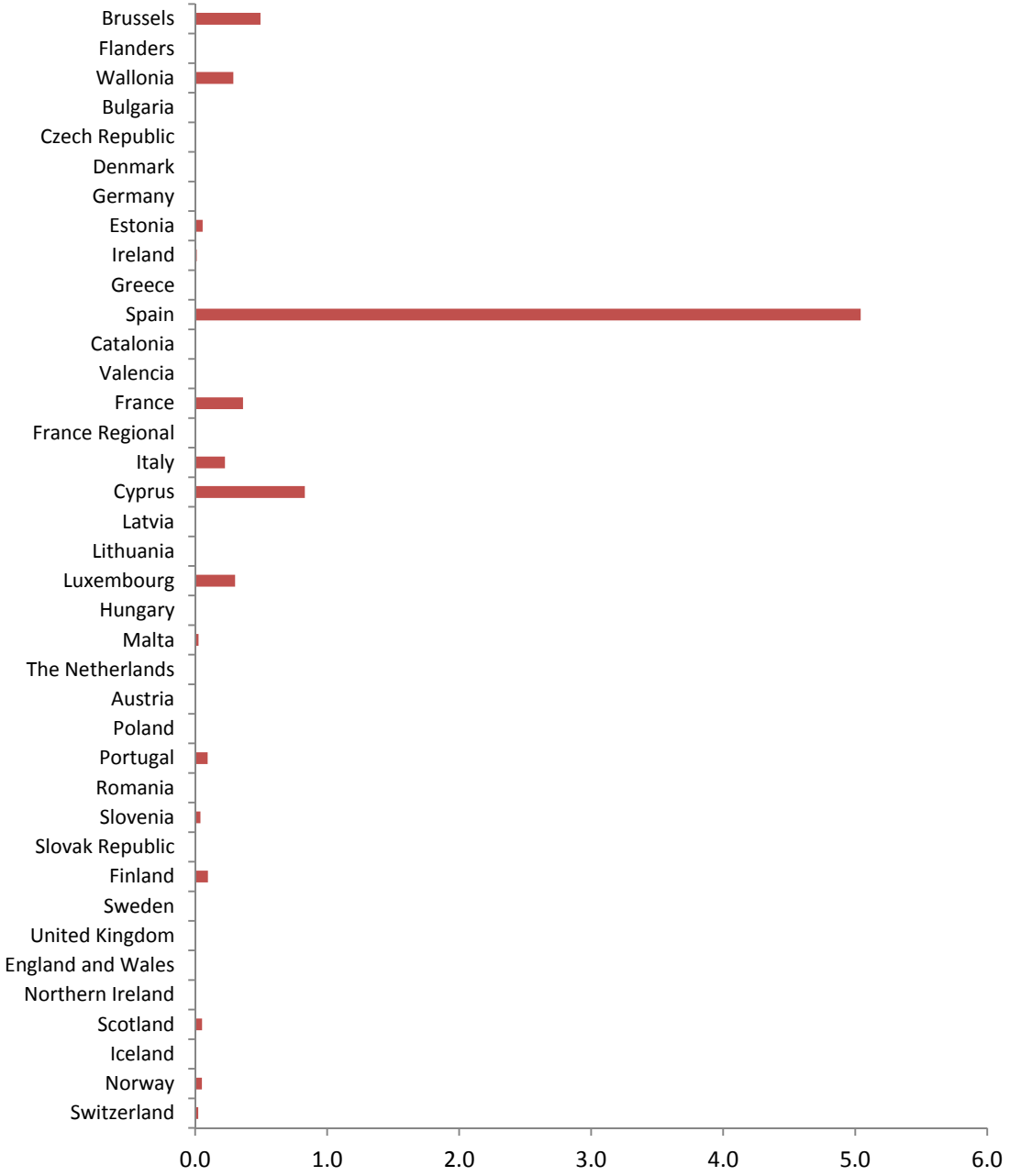
- Missing data and outliers
- Variation across countries in low birthweight and preterm birth
- Changes in these indicators between 2004 and 2010

Birthweight – C4

Missing data

Countries with missing data do not have high percentages (< 1%)
Exception is Spain

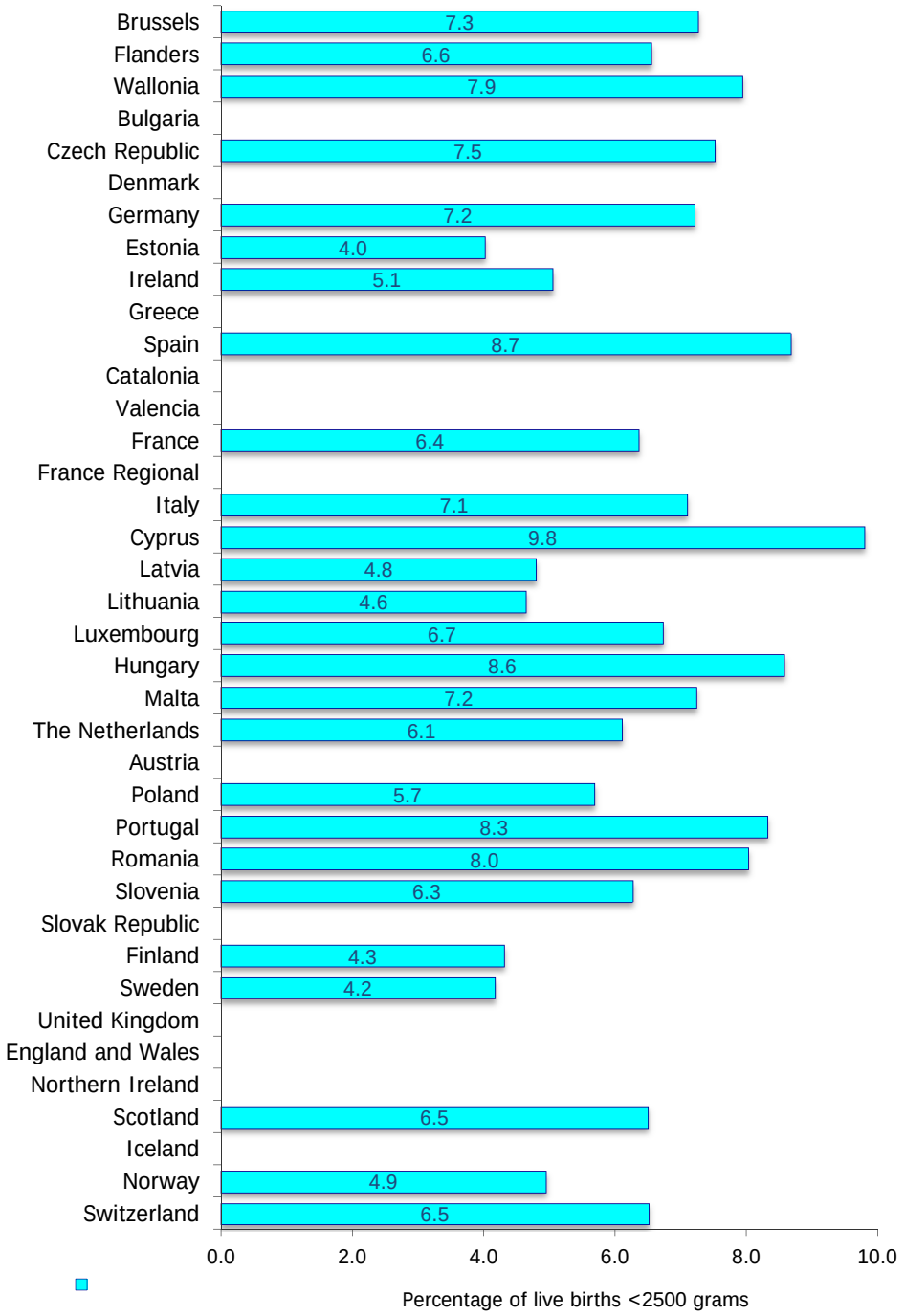
What are procedures in countries with NO missing data?



Low birthweight

live births with BW <2500 g

Variability from 4.0% to 10%



Low birthweight

live births with BW < 2500 g

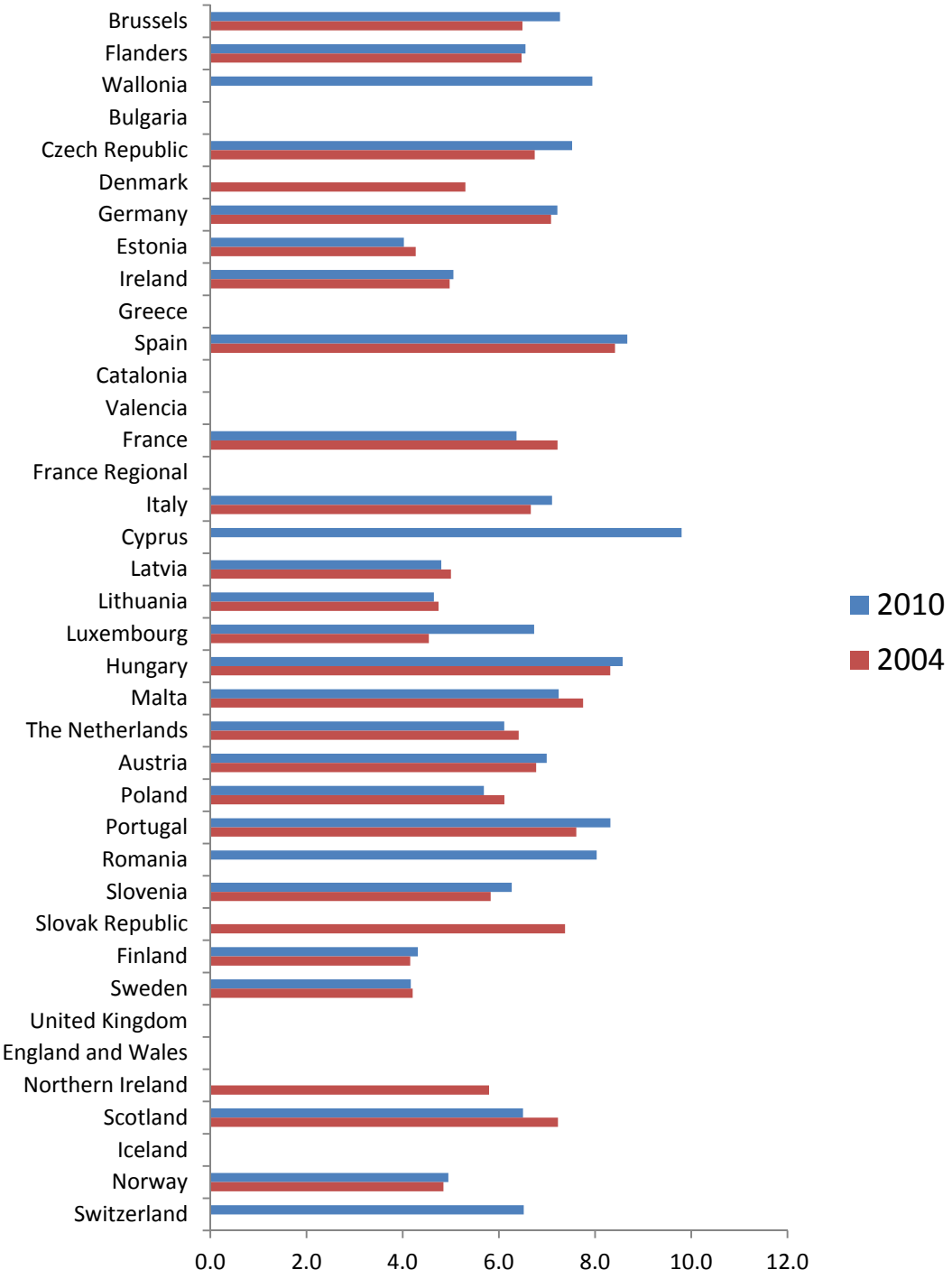
Heterogeneous trends –
Increases in 14 countries
Decreases in 9 countries

Questions:

Are these significant or just fluctuations from year to year?

Association with changes in preterm birth?

Association with changes in mortality?

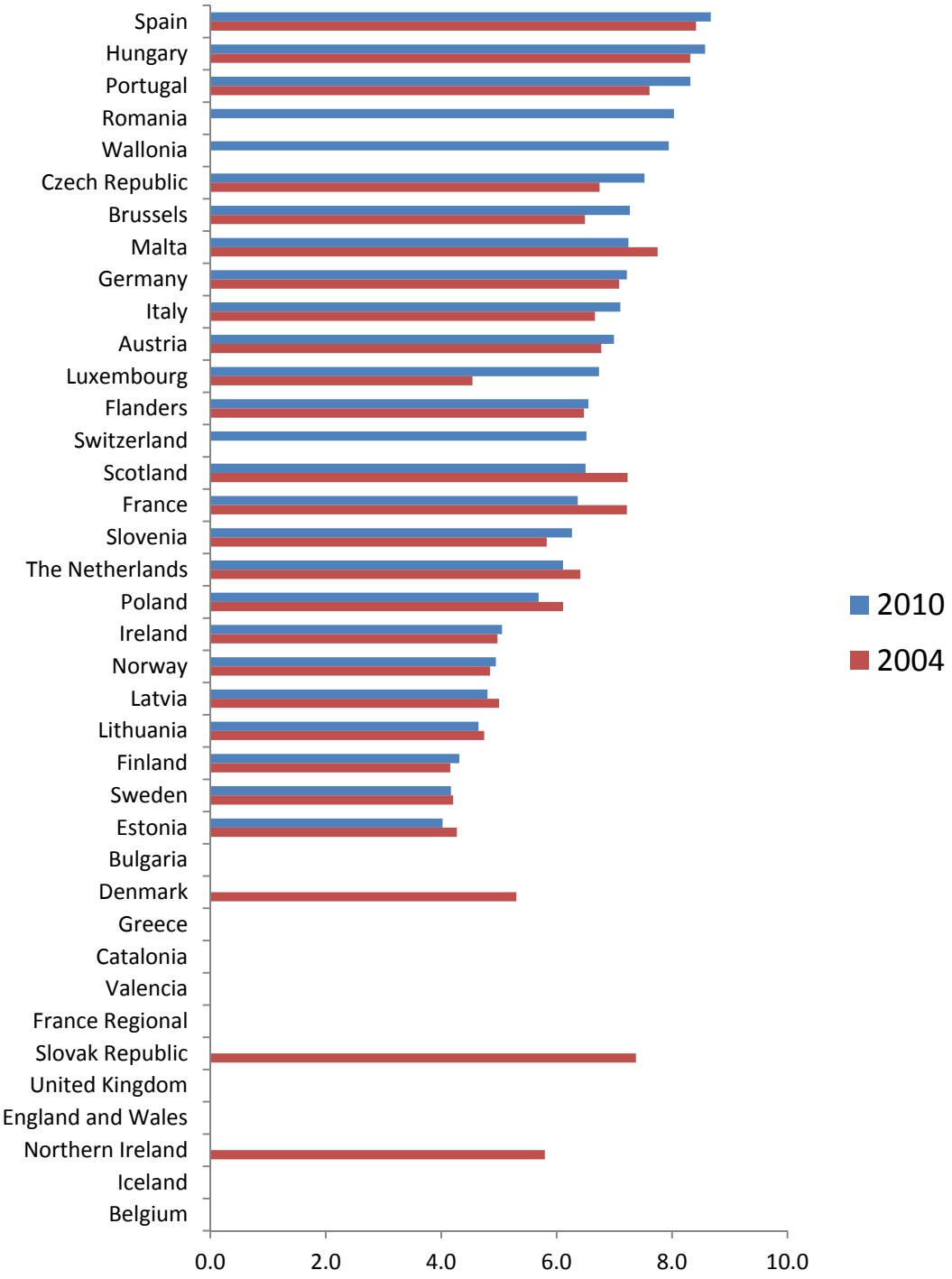


Low birthweight

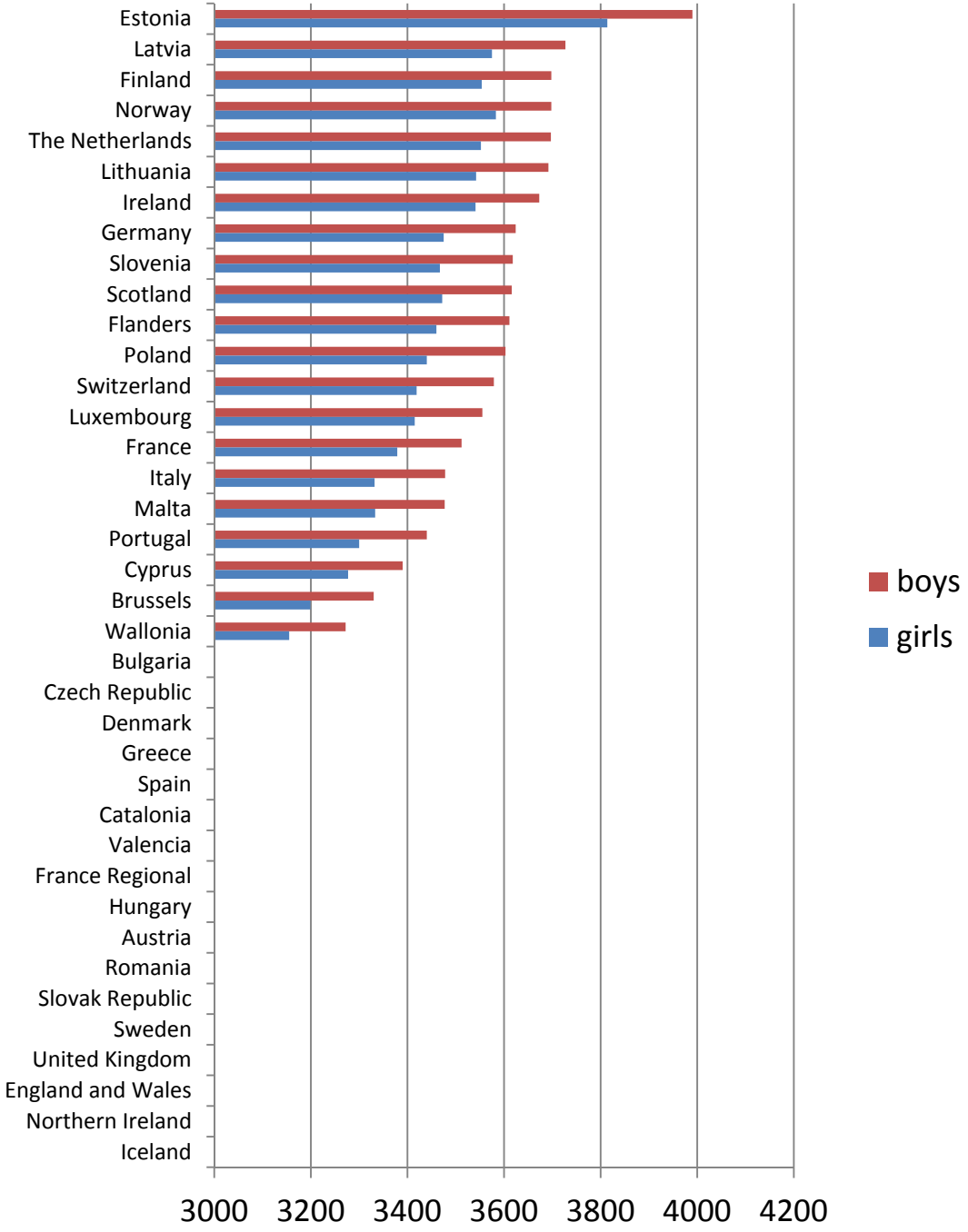
live births with BW < 2500 g

Data sorted on % low birthweight in 2010

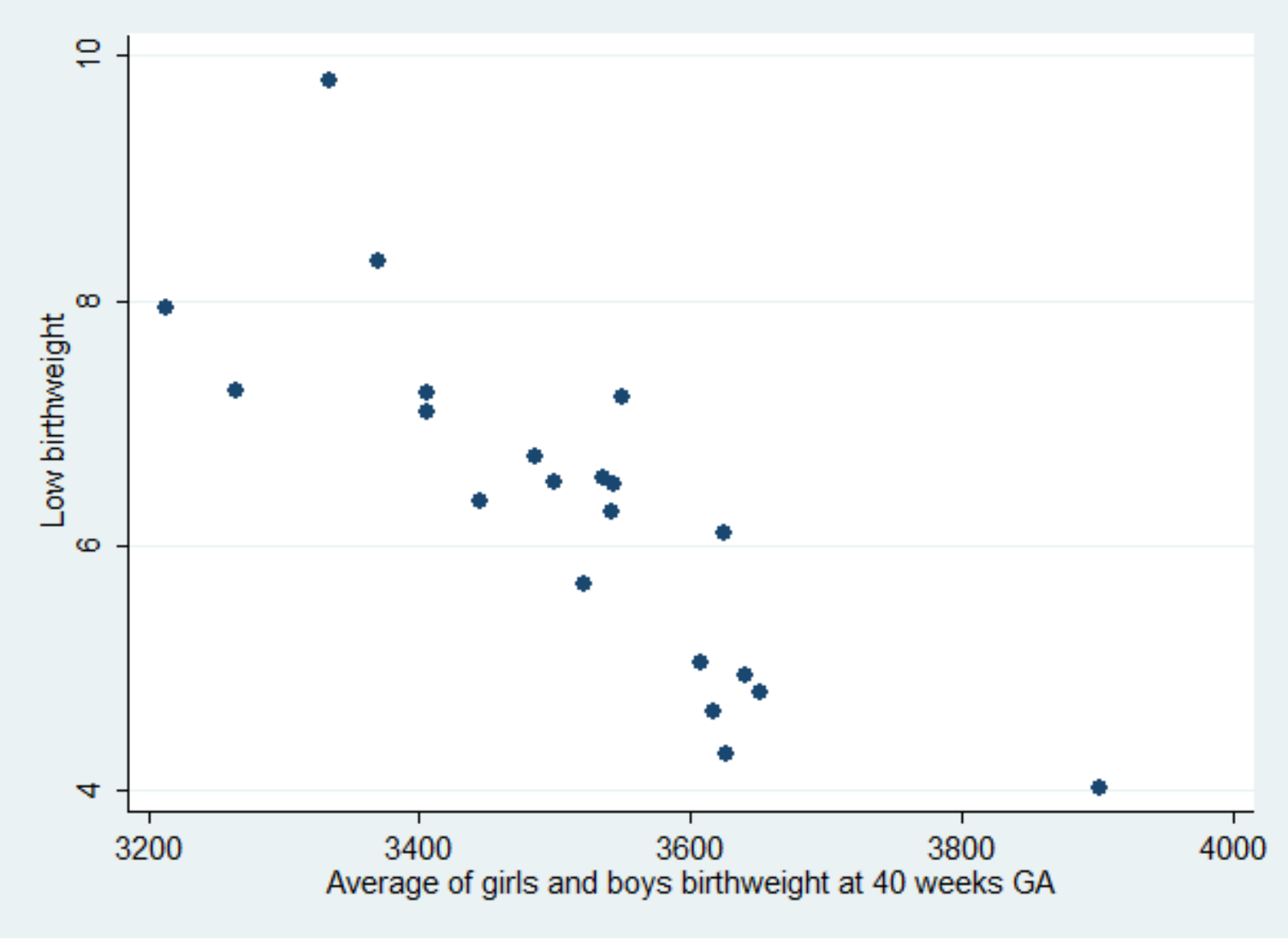
Evolution in some countires will have changed rankings



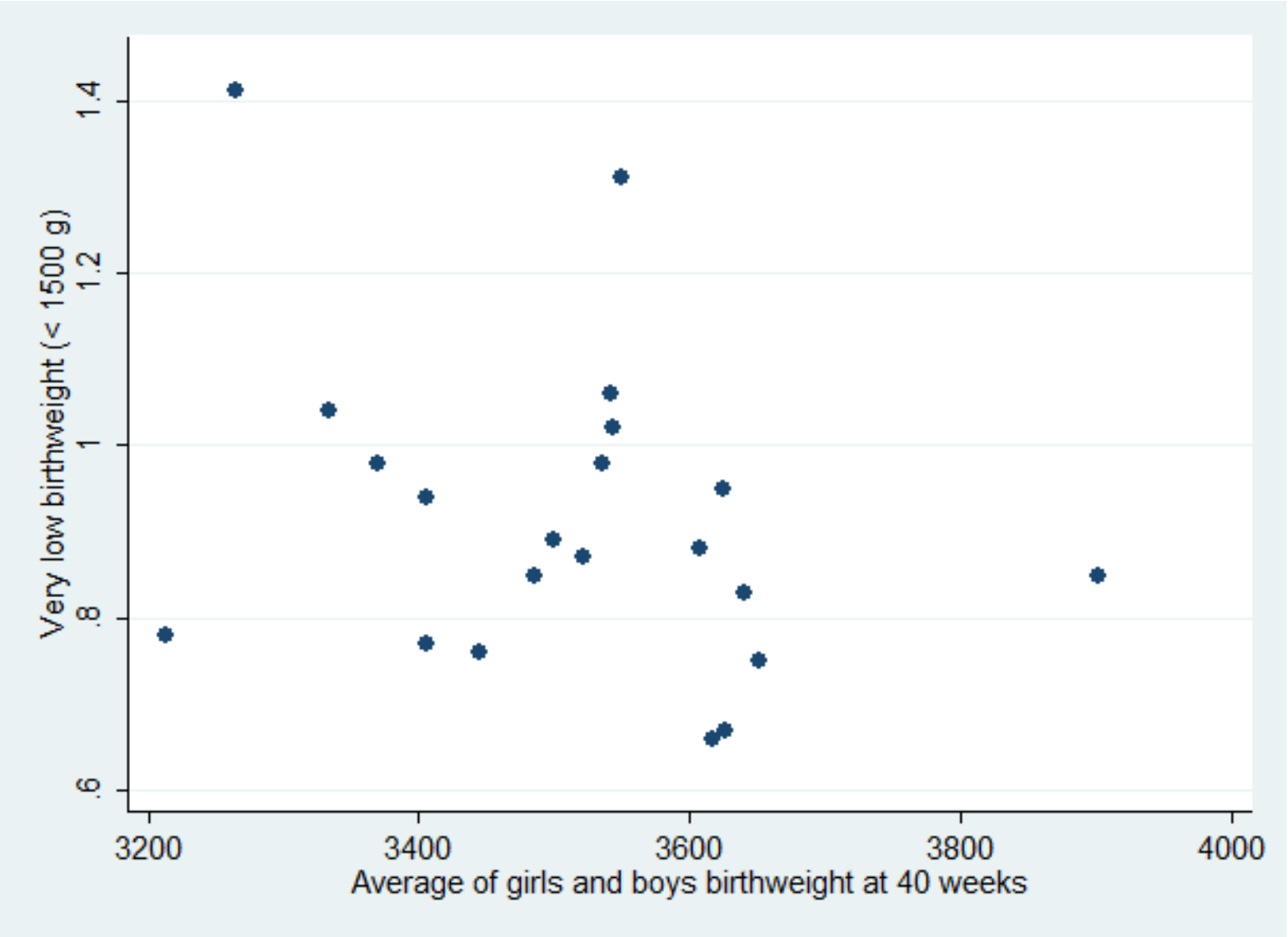
Mean birthweight at 40 weeks GA



Average BW at 40 weeks and % of births less than 2500 g



Average BW at 40 weeks and % of births less than 1500 g

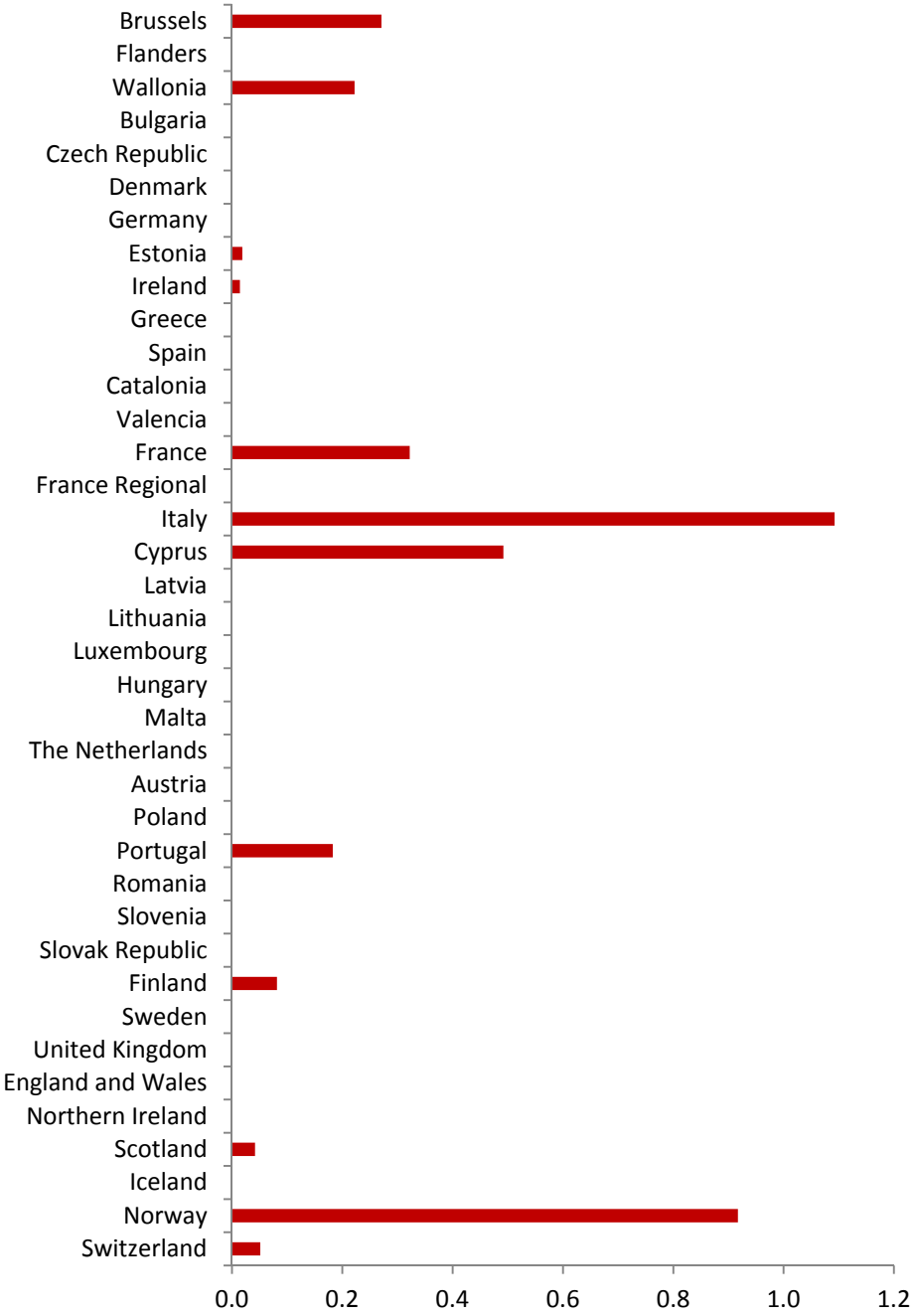


Gestational age – C5

Missing data

Countries with missing do not have high percentages (<1.2%)

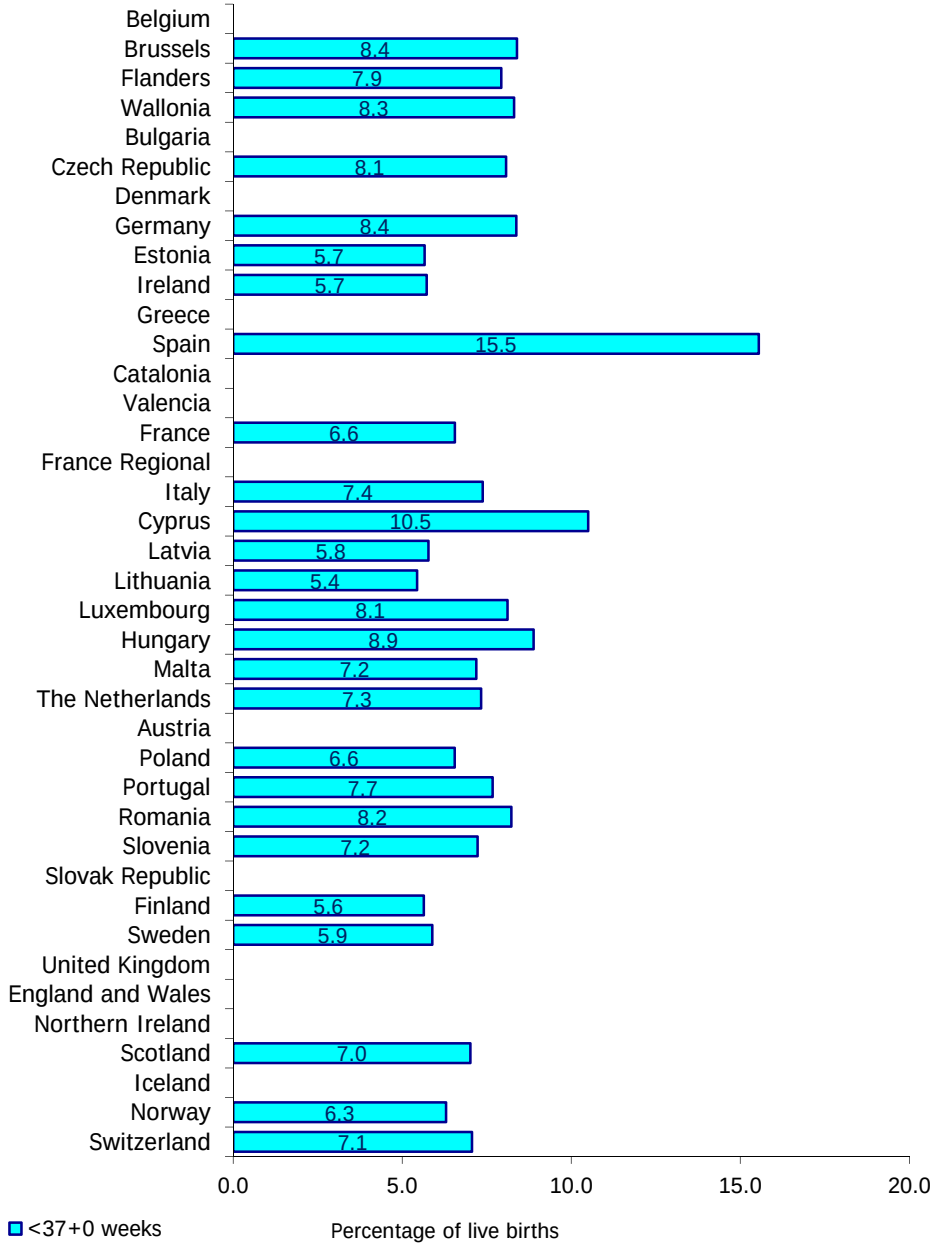
What are procedures in countries with NO missing data?



Preterm birth

live births with GA < 37 weeks

Variability from less than 5.5 to 15.5



Preterm birth

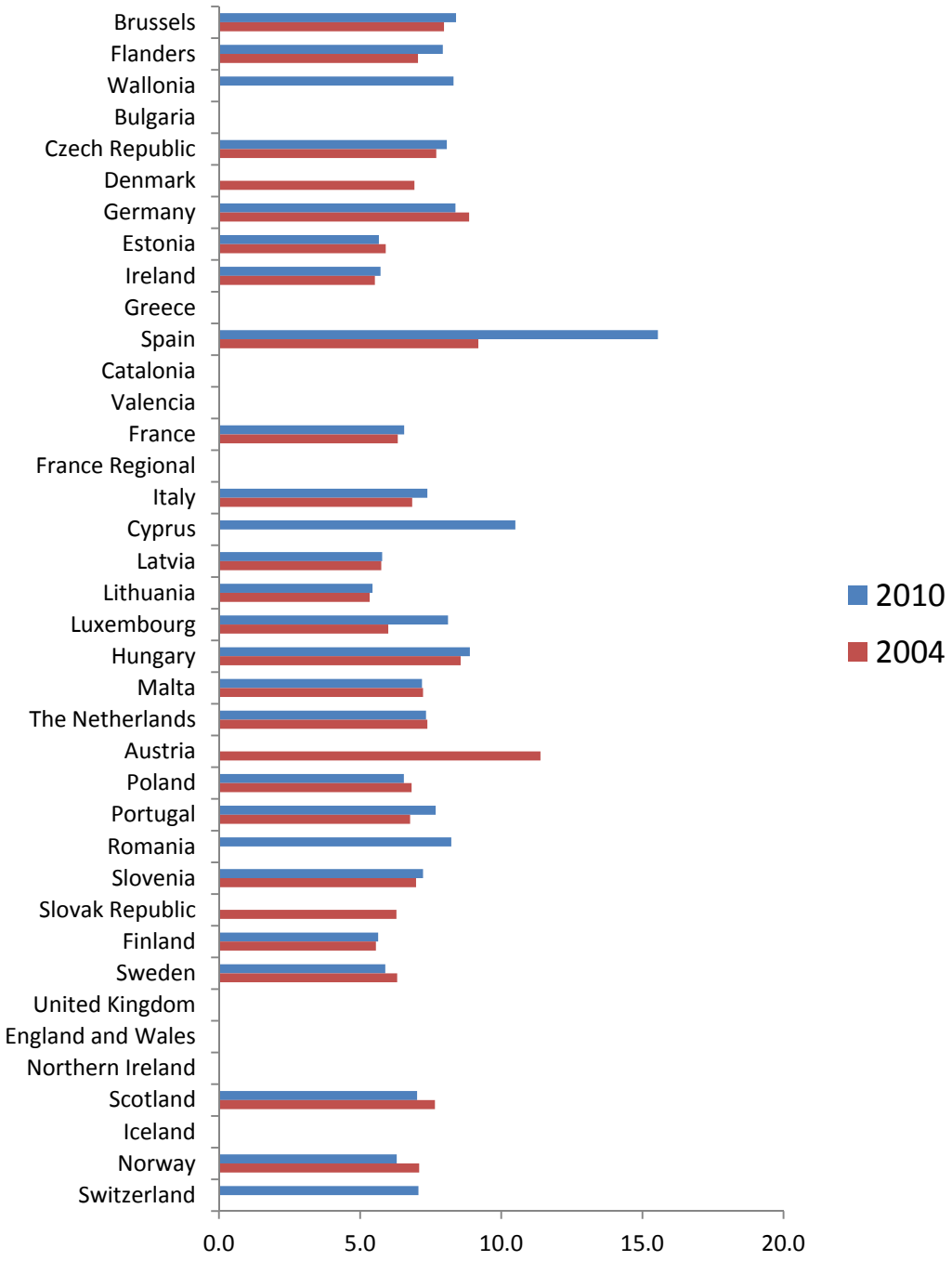
live births with GA < 37 weeks

Variability from less than 5.5 to 15.5

Also varying trends

Rises in 12 countries

Stable or declining in 9 countries



Average BW at 40 weeks and % of births born preterm