



# C10:MODE OF DELIVERY

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# Why indicator is important and its exact definition

- Over the last 20 years, the prevalence of cesarean delivery has increased all over the world; Delivery by cesarean is a recognized risk factor for the mother (placentation disorders, uterine rupture and stillbirth) and the children (short-term lung function impairment, hypoglycemia, reduced breast feeding initiation, altered immune responses, and long-term effects on immune-related conditions, such as asthma, respiratory morbidity, and type 1 diabetes)
- Indicator Definition: percentage distribution of births (live born and stillborn) by method of delivery
  - Specified by: timing to labor, parity, plurality, fetal presentation, previous caesarean section, gestational age, Robson classification

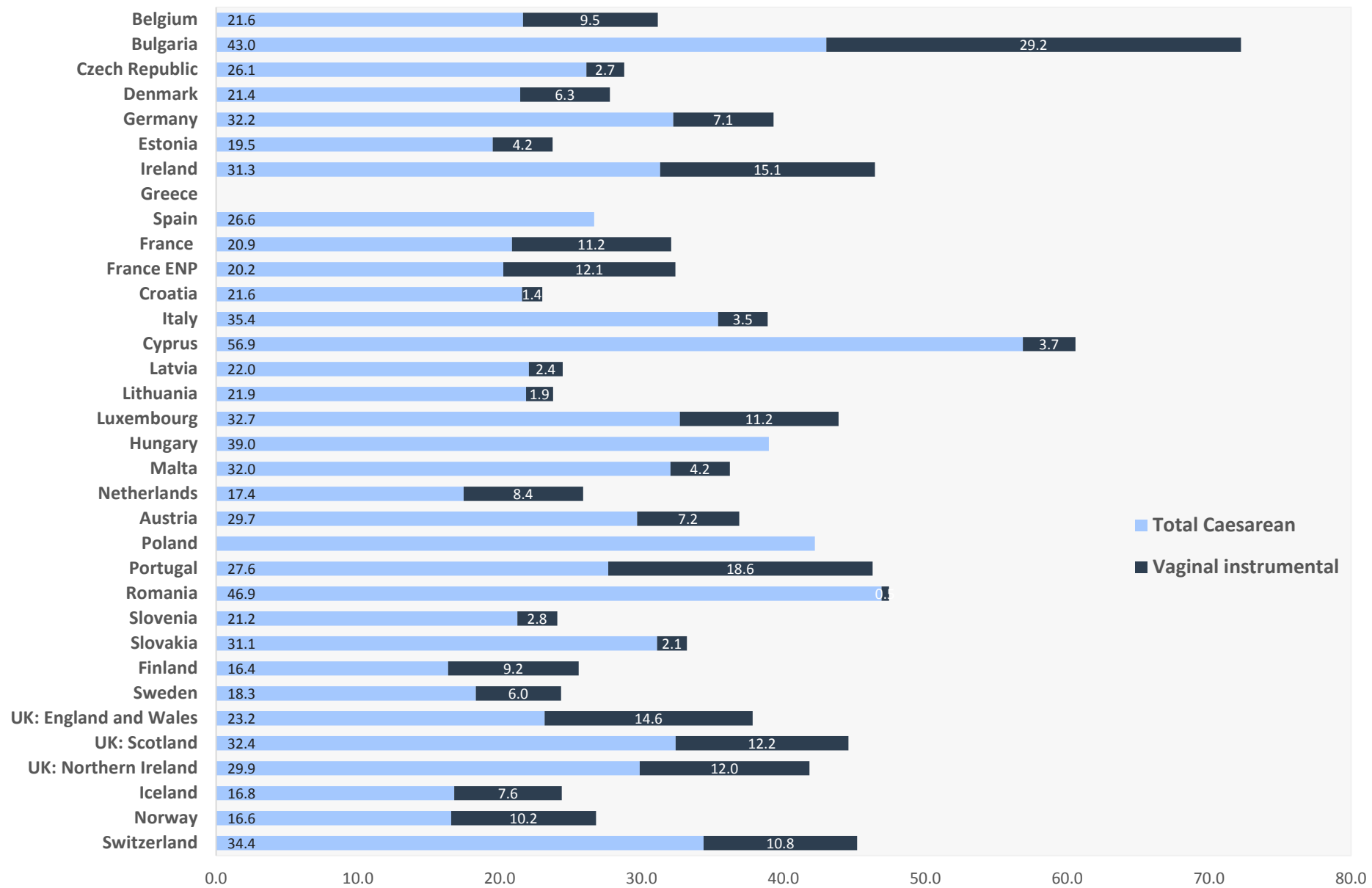
# Number of countries able to provide the indicator

- Method of delivery was available for 33 countries (no global data for the UK - corresponding to three countries) and missing for Greece.
- However, a variable number of countries could not provide information to calculate cesarean frequency by specific characteristics (e.g. no data on c-section by parity for 8 countries)

# Quality questions

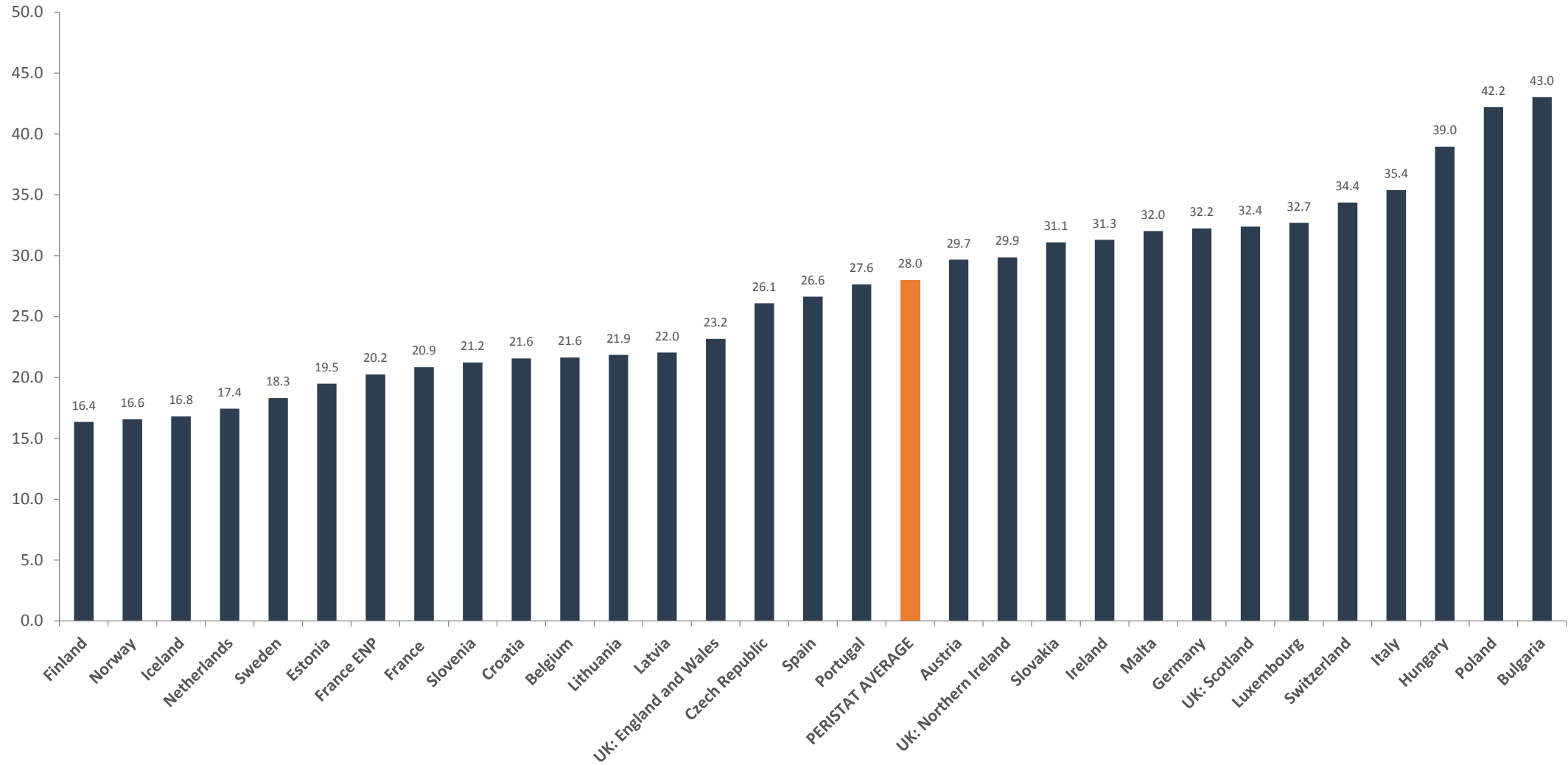
- The quality of the indicator is expected to be high. However, some questions of comparability need to be addressed:
  - a) coverage (e.g. in Portugal, detailed data only available for the continental region and for public hospitals)
  - b) similar denominators (e.g. number of births vs. number of deliveries)
  - c) information on specific variables lacking

# Percentage of births by caesarean section (2015)

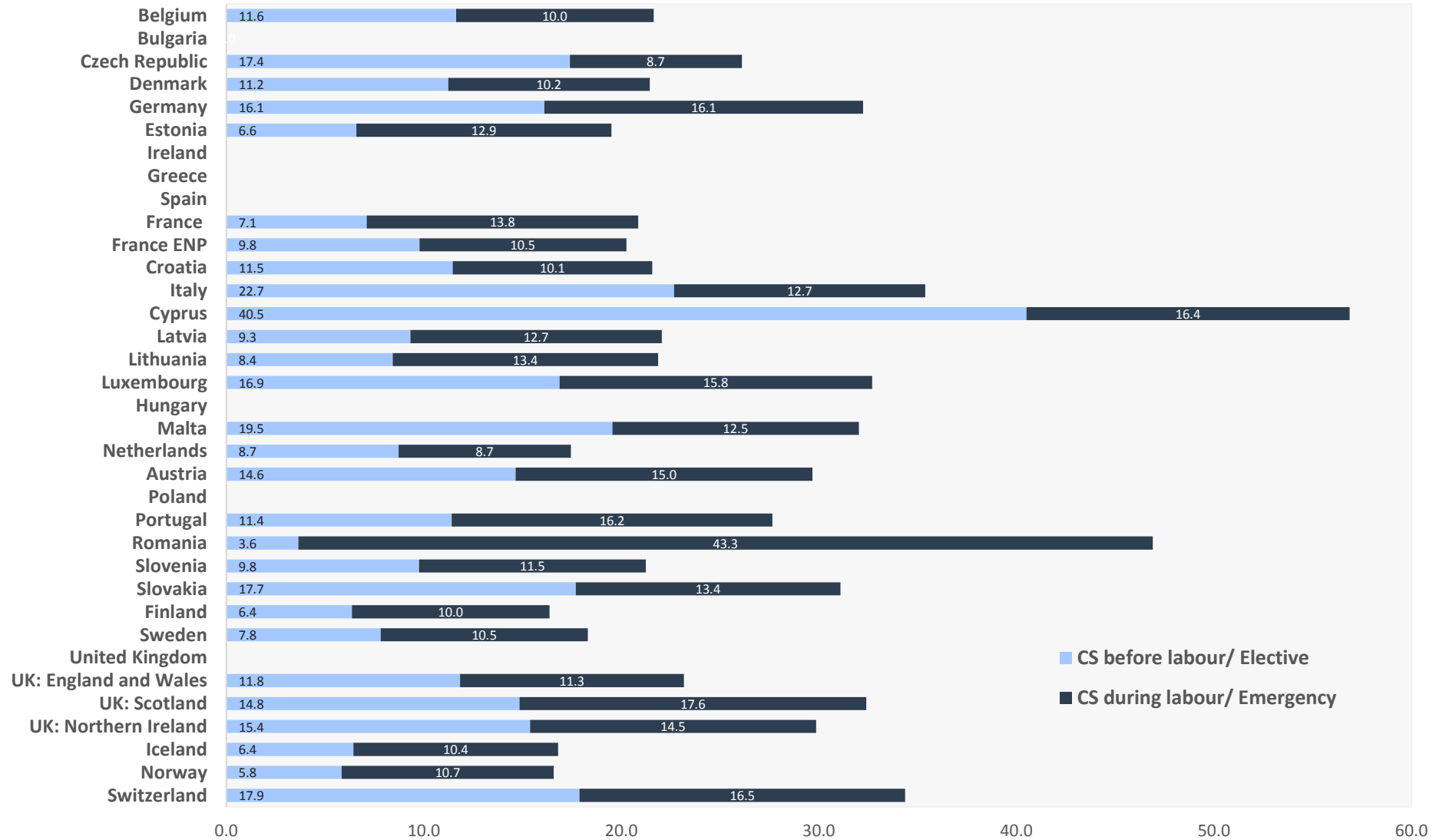


Percentage of births

# Percentage of births by caesarean section (2015)



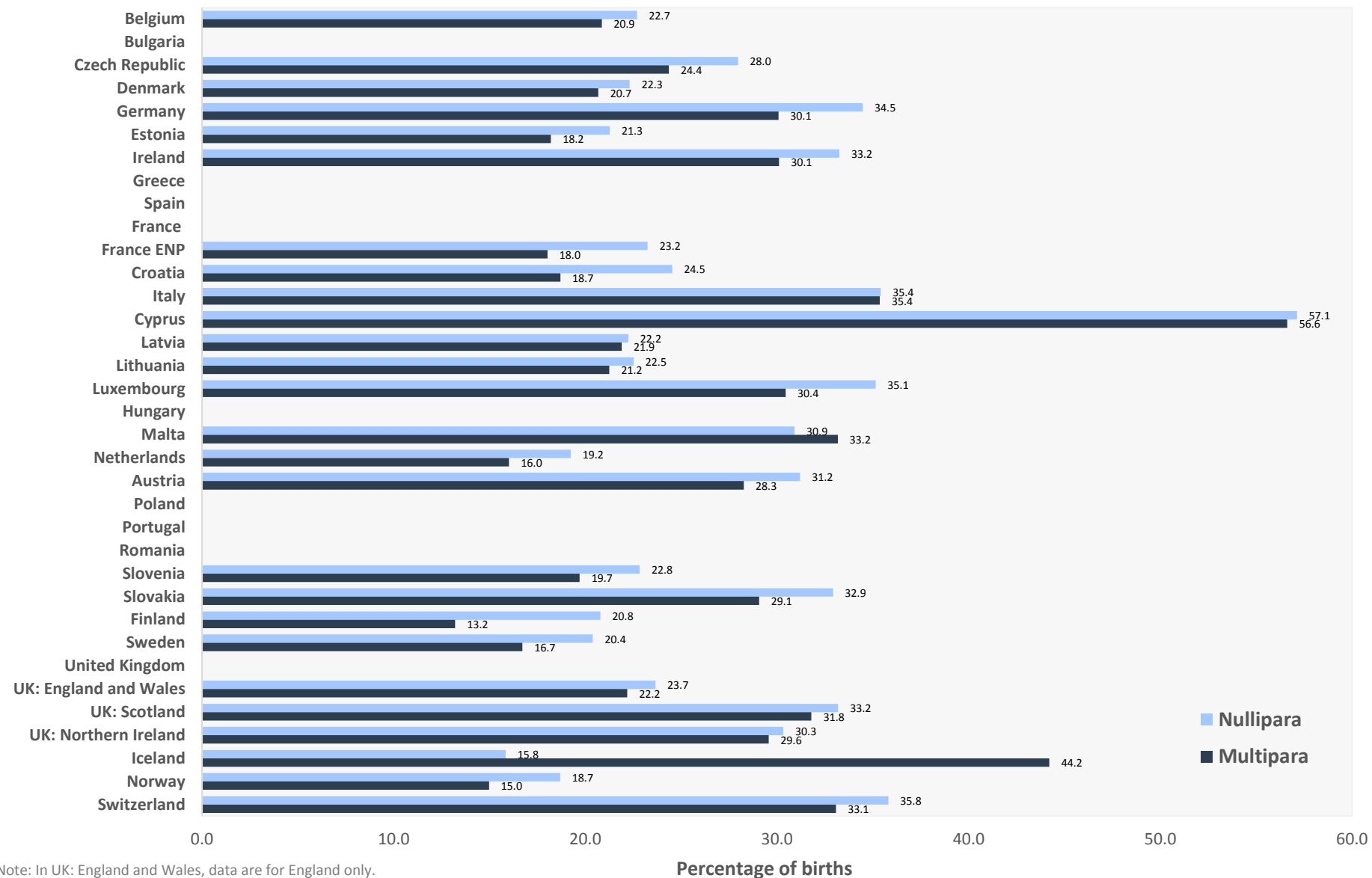
# Percentage of births by type of caesarean section (CS)



Note: In UK: England and Wales, data are for England only.

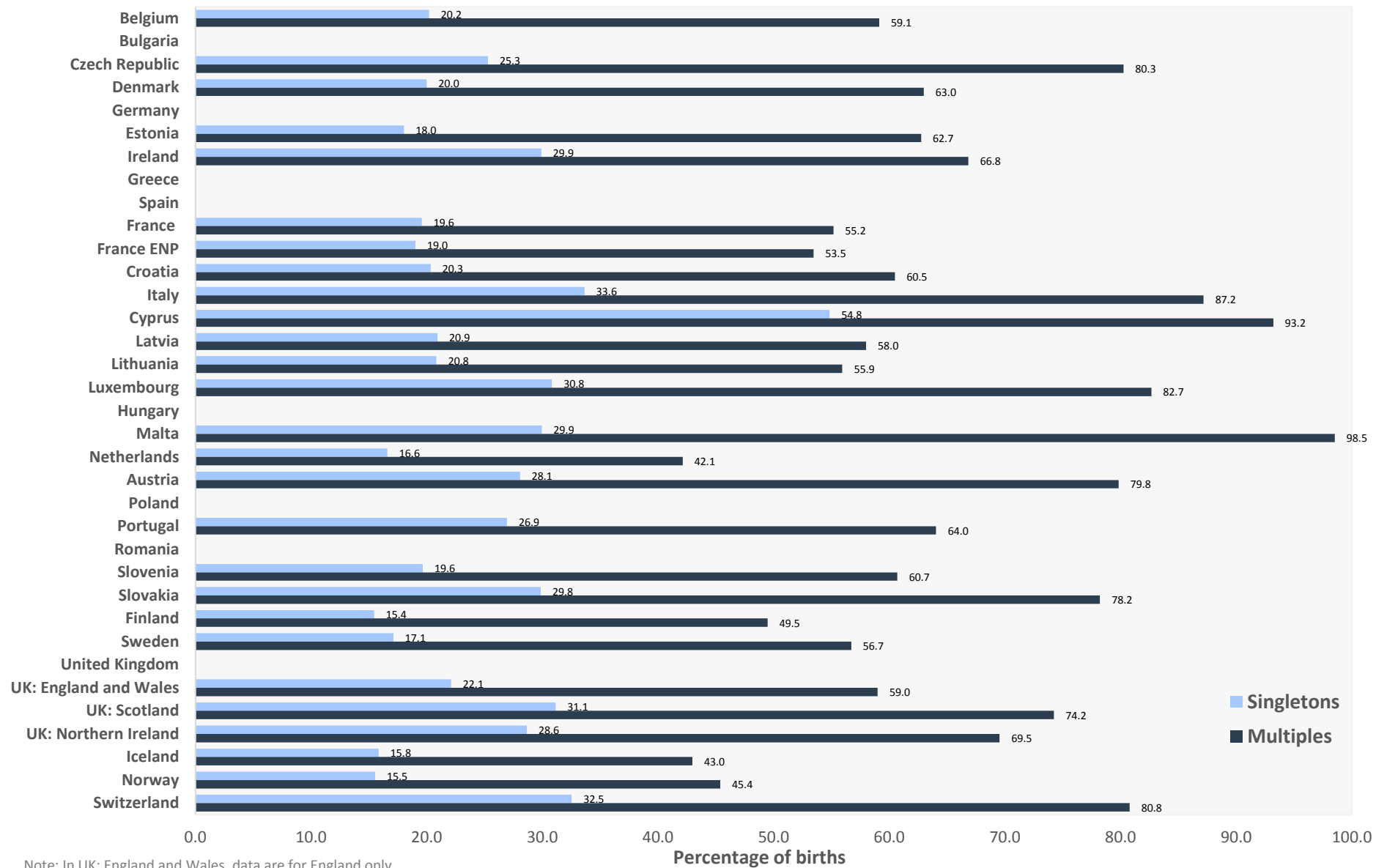
Percentage of births

# Percentage of caesarean section by parity

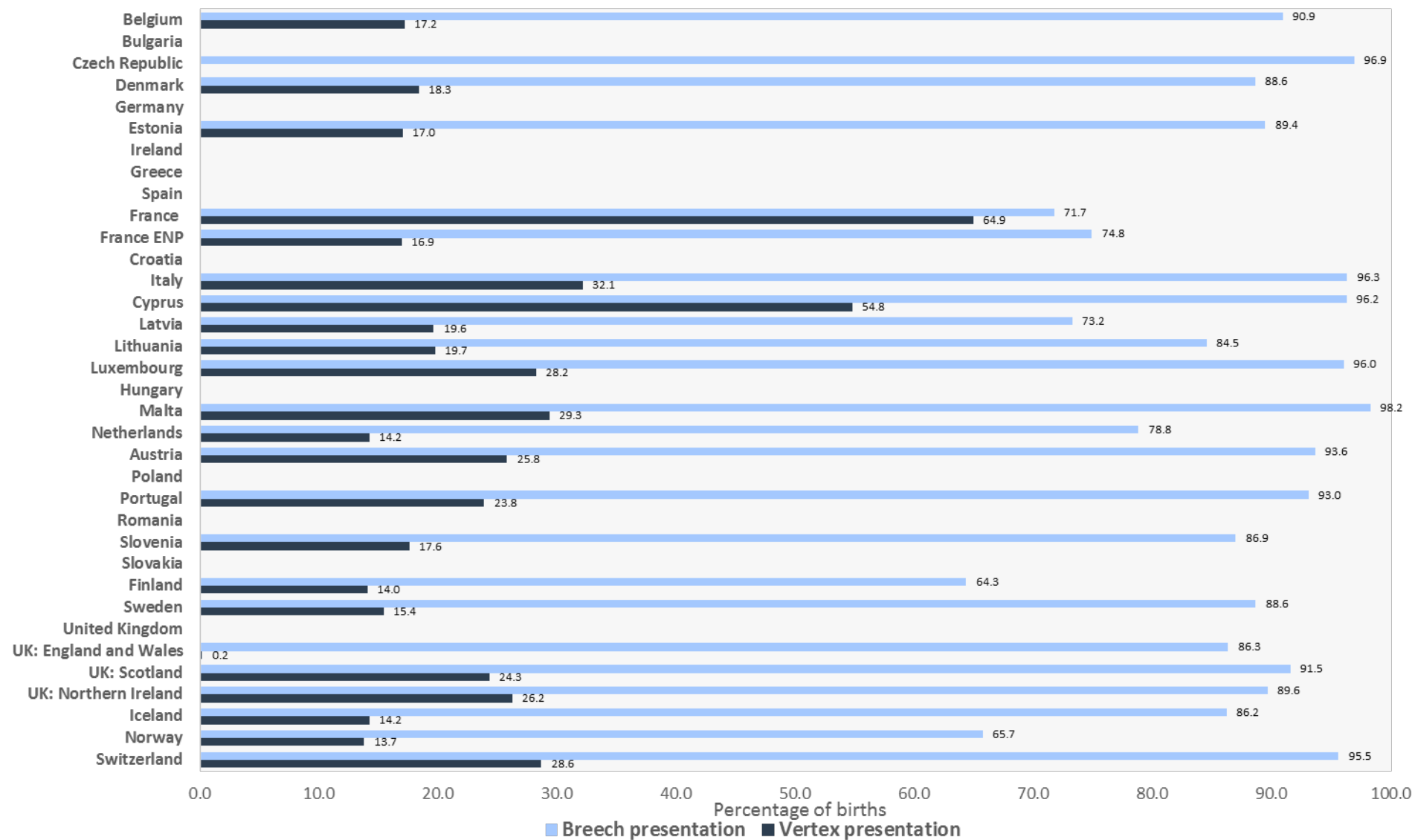




# Percentage of caesarean section by plurality

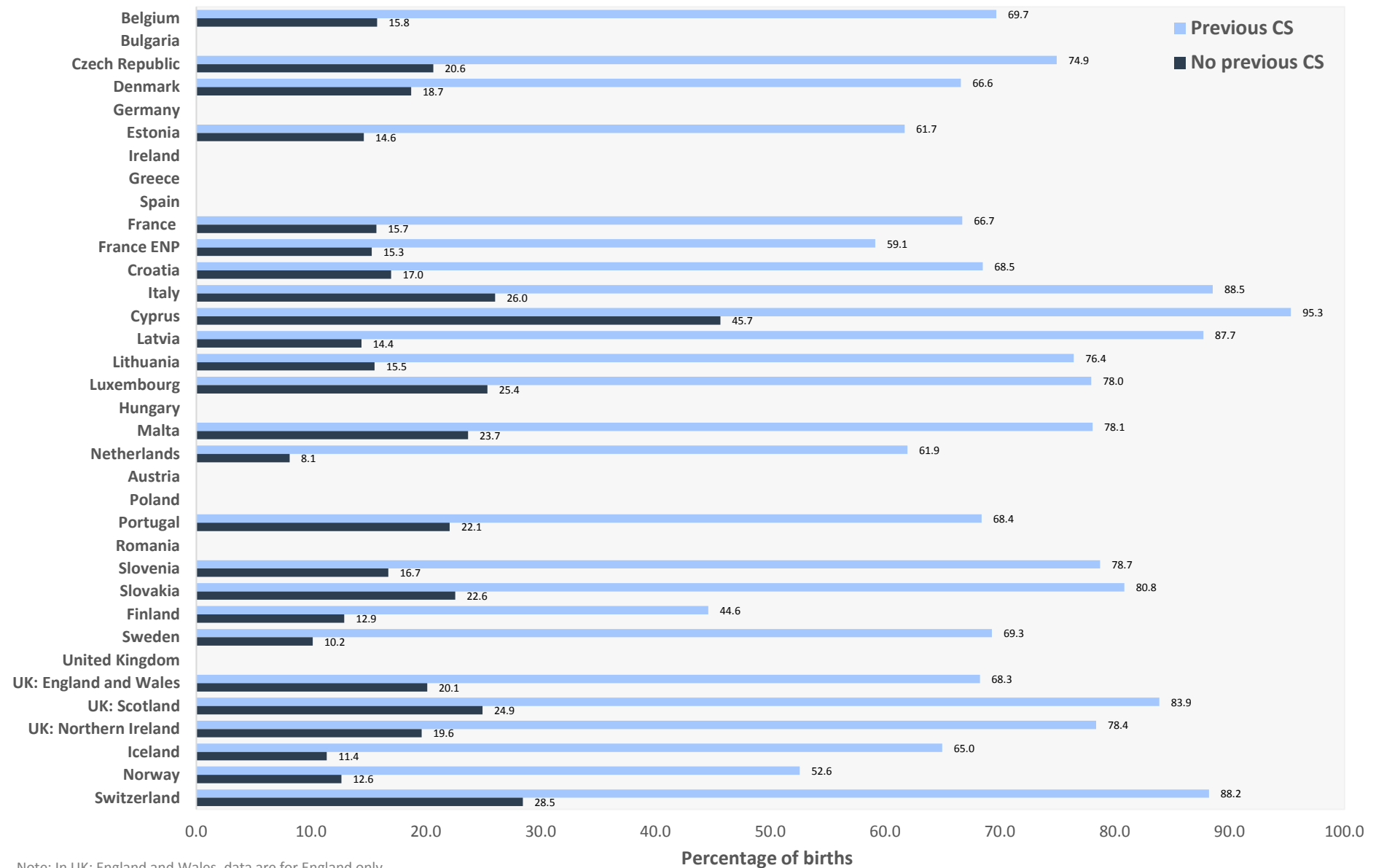


# Percentage of caesarean section by fetal presentation

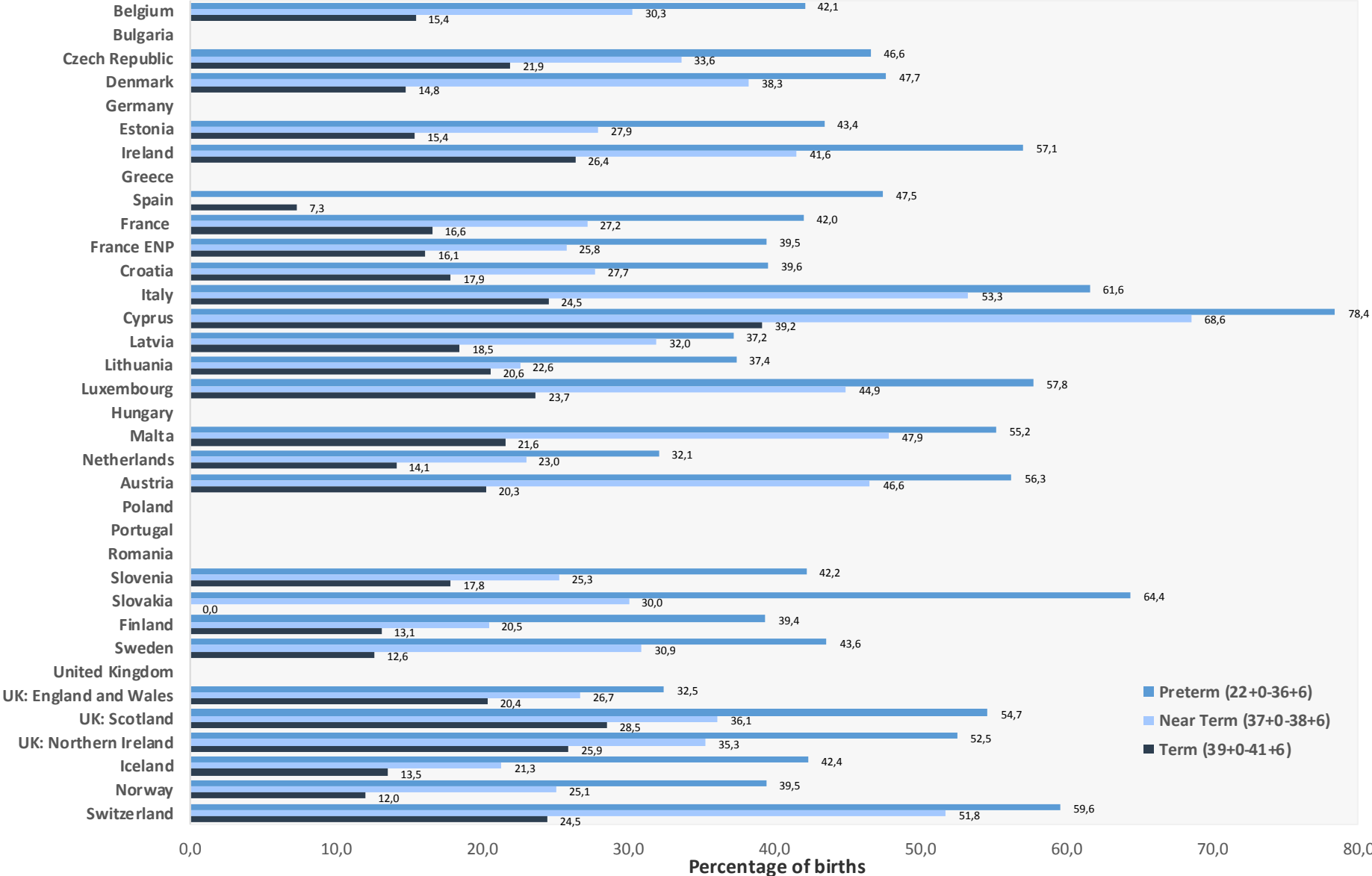


Note: In UK: England and Wales, data are for England only.

# Percentage of caesarean section (CS) by previous CS

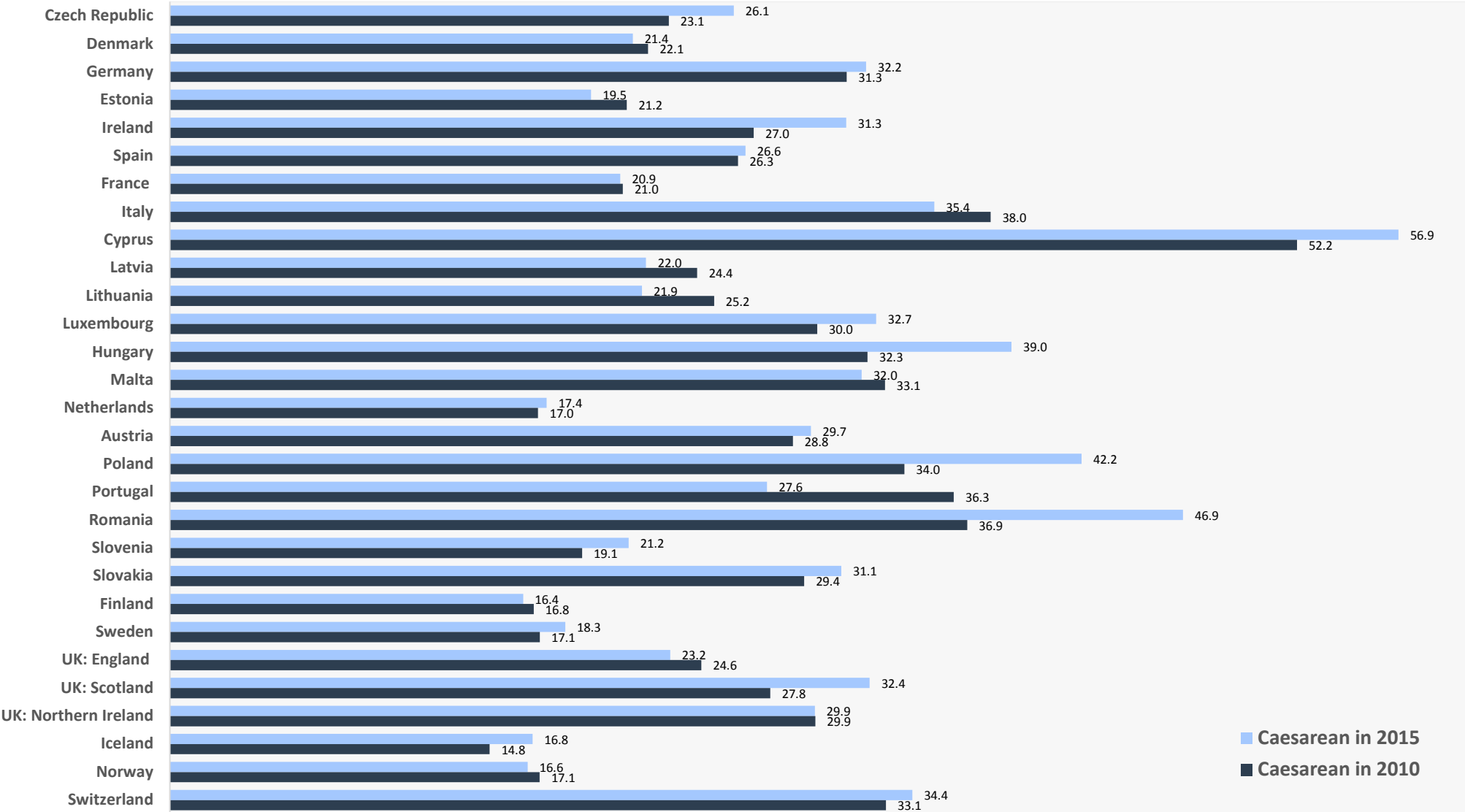


# Percentage of caesarean section by gestational age



Note: In UK: England and Wales, data are for England only.

# Caesarean section (%) - 2010 and 2015

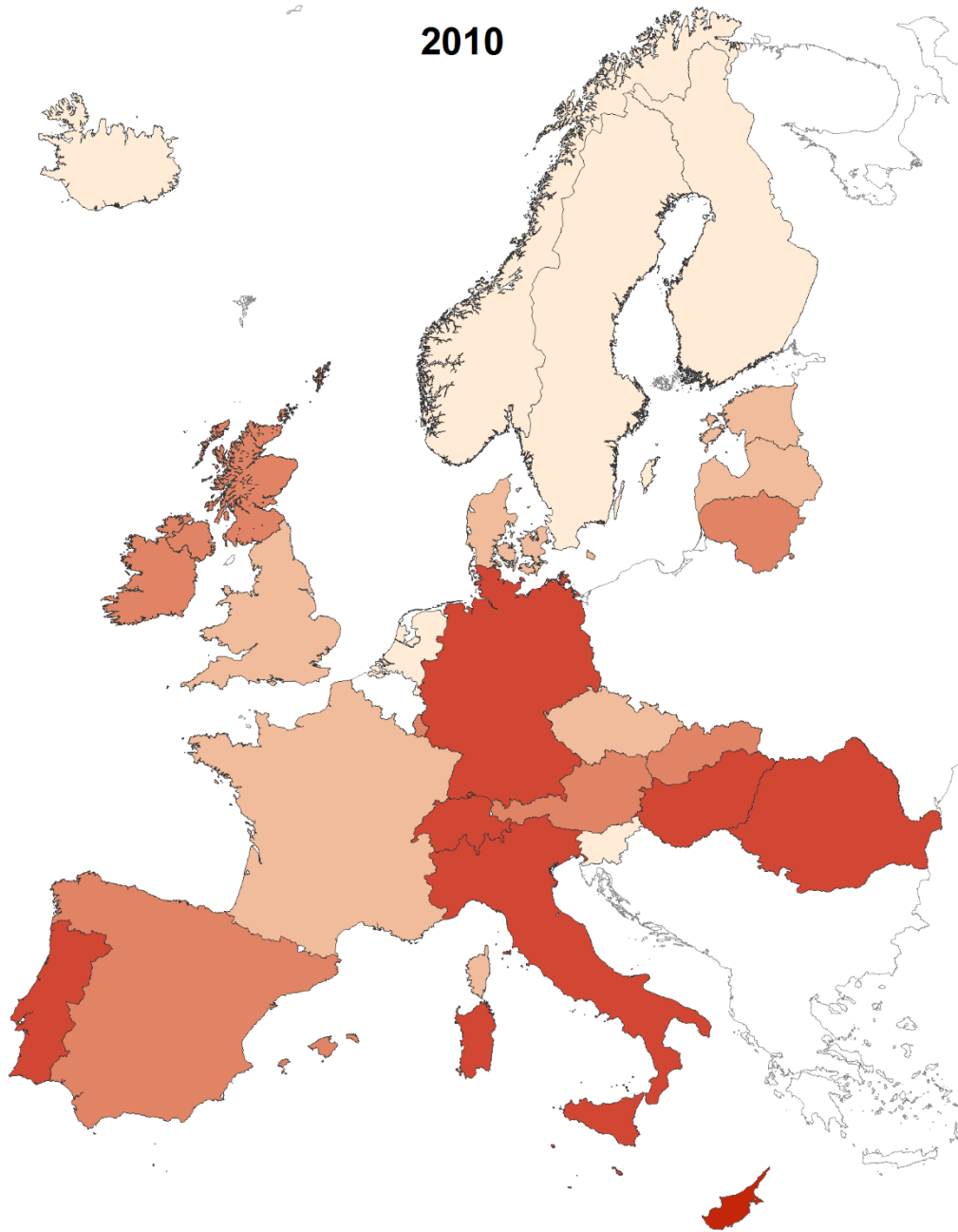


0.0 10.0 20.0 30.0 40.0 50.0 60.0

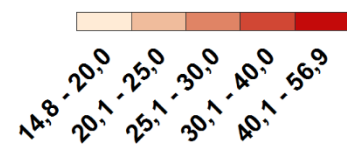
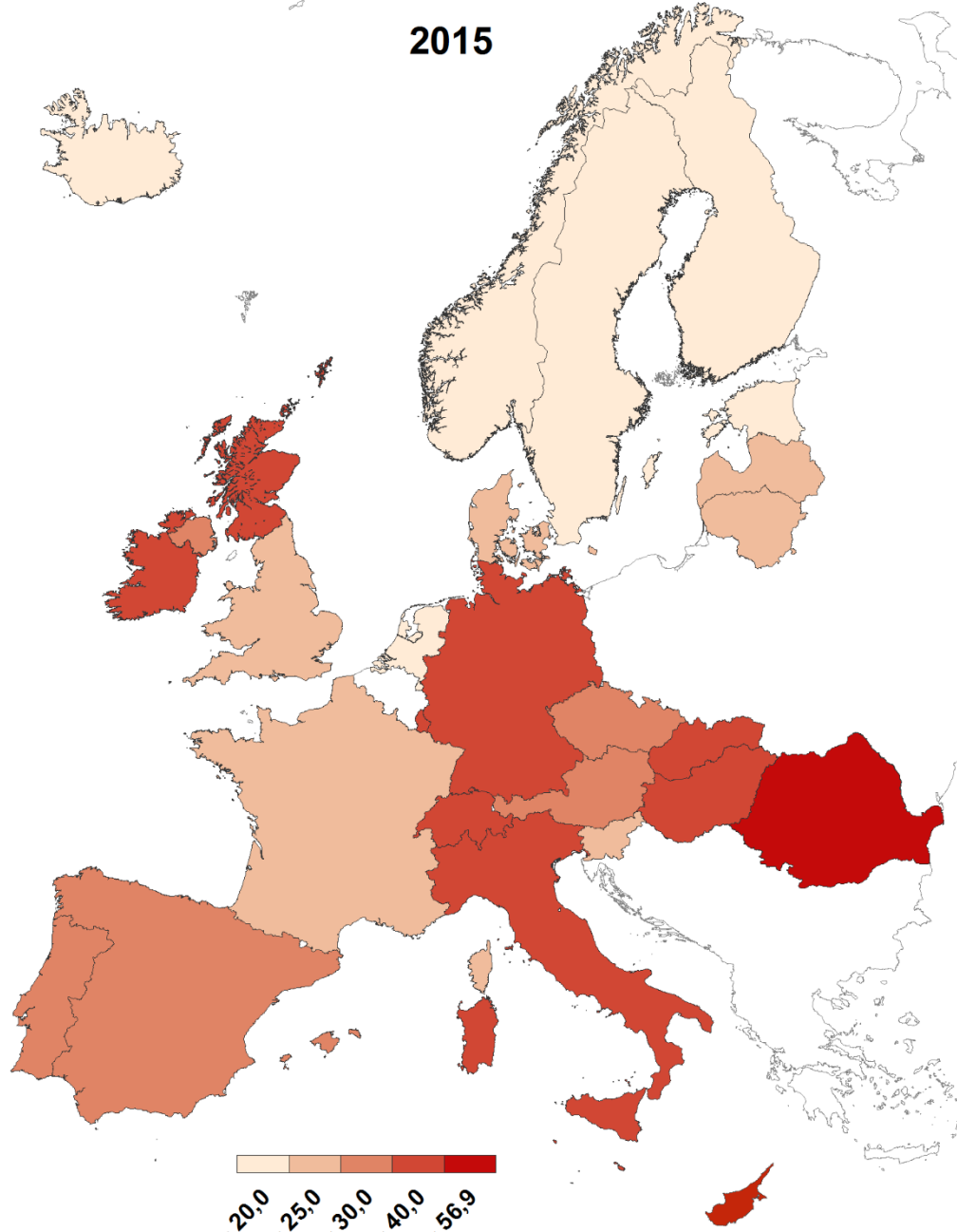
Percentage of births

Caesarean in 2015  
Caesarean in 2010

2010



2015



# Summary of findings

- Key messages

- Large C-section variation by country, with an apparent regional distribution
- 17 countries increased the frequency of C-section
- A C-section increases the rate of C-section in a subsequent pregnancy

- Next steps

- Double-check.