



Wittgenstein Centre

FOR DEMOGRAPHY AND
GLOBAL HUMAN CAPITAL



Krátkodobé změny plodnosti ve vyspělých zemích a v ČR během a po koronavirové pandemii

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*52. konference České demografické společnosti
Hradec Králové, 24.5.2023*

Struktura prezentace

1. Short-Term Fertility Fluctuations – vývoj počtu narozených
2. Odhady úhrnné plodnosti (TFR)
3. Podrobná data za Česko
4. Důvody poklesu?

STFF subsekce – www.humanfertility.org



Short-Term Fertility Fluctuations

In response to the COVID-19 pandemic, the HFD team established a new data resource: Short-Term Fertility Fluctuations (STFF) data series. The STFF series complements the HFD by providing up-to-date data on live births by month for selected countries.

STFF data are published under [CC BY 4.0 license](#).

For citing STFF data, please follow the [HFD data citation guidelines](#).

STFF data can also be explored using our online [STFF visualization toolkit](#).

Here you can download the following data and documentations:

- [STFF Metadata](#): information about country-specific data and data sources.
- [STFF Methodological Note](#): description of this data project, including data collection, data processing, and methodology.
- [Crude birth counts and TFR \(xlsx or pooled csv\)](#): monthly counts of live births and monthly and annual TFRs.

Crude indicators do not allow direct comparison across countries and over time as they are affected by seasonality in childbearing. To provide comparable indicators, we publish seasonally and calendar adjusted data.

- [Seasonally- and calendar-adjusted data \(xlsx or pooled csv\)](#): monthly counts of live births and monthly TFRs for selected countries.
- [Original data](#) (country-specific csv files in one zip file): original birth counts in standardized format.

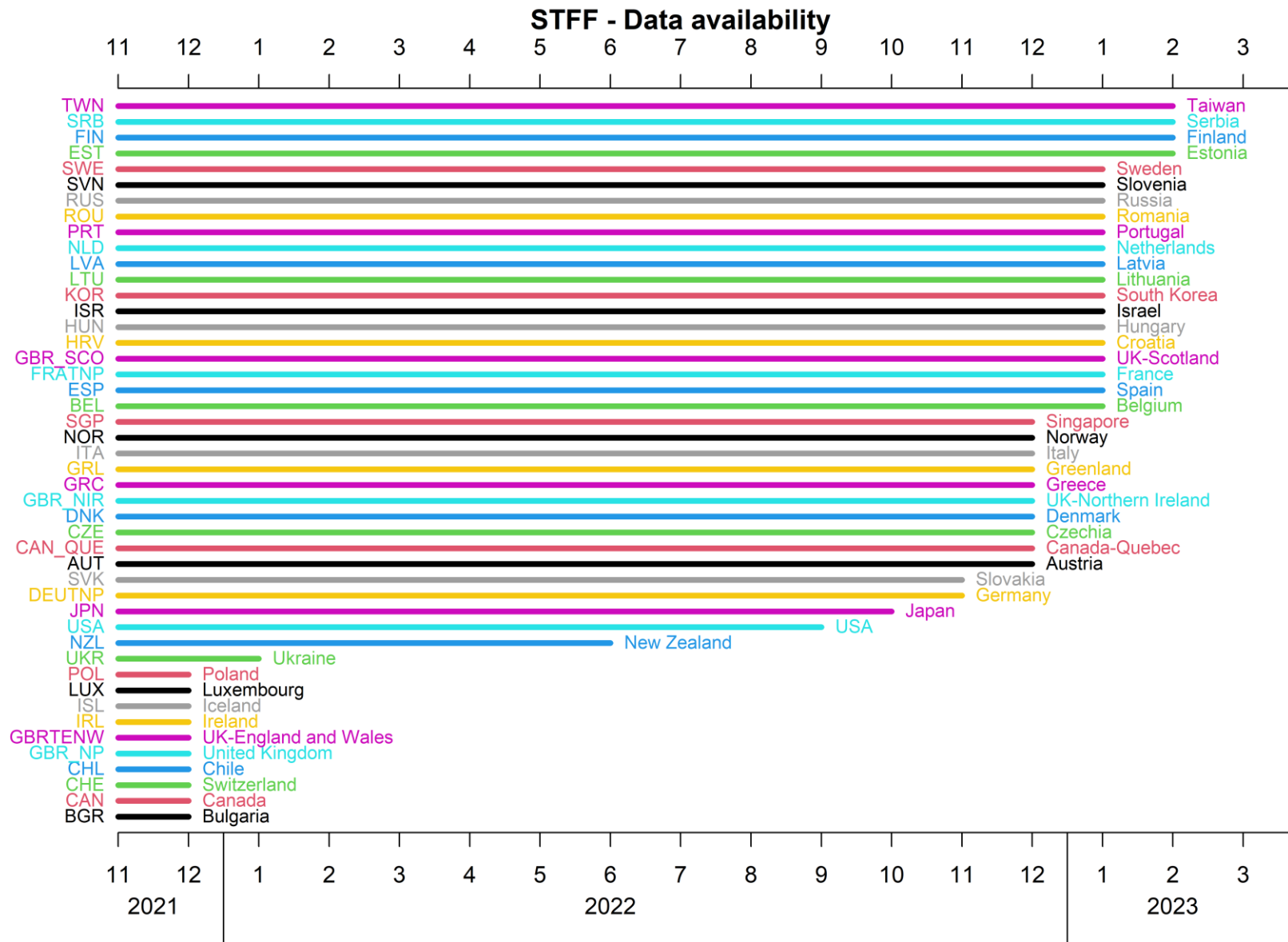
Note: Data on monthly TFR are preliminary. We are still working on the methodology and may revise it soon.

Data availability

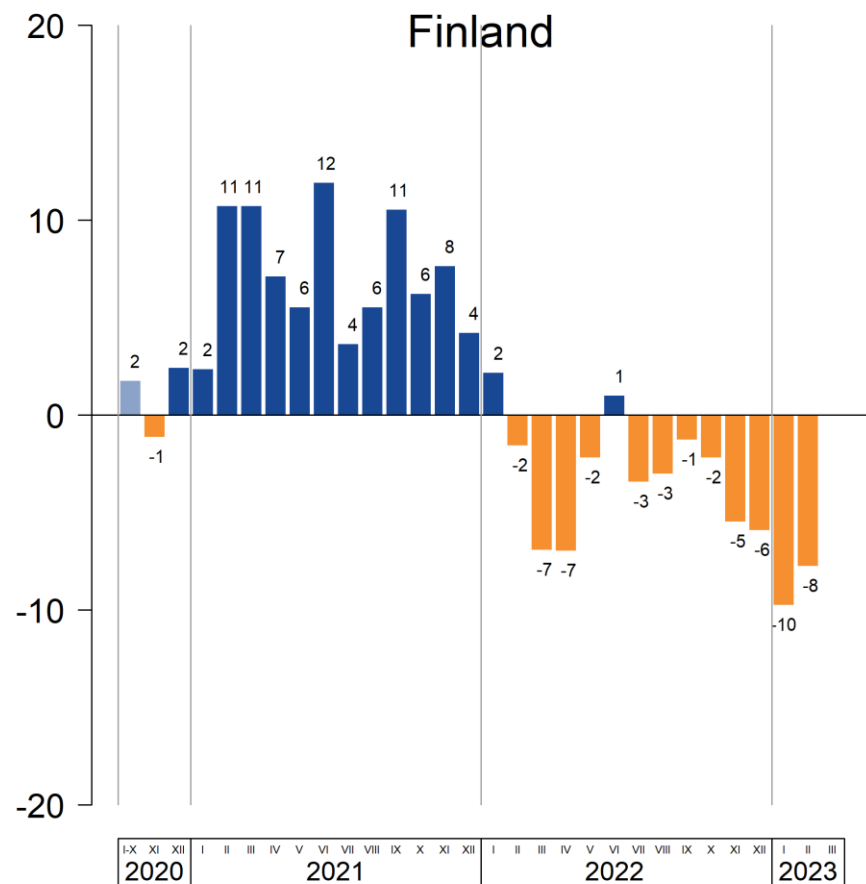
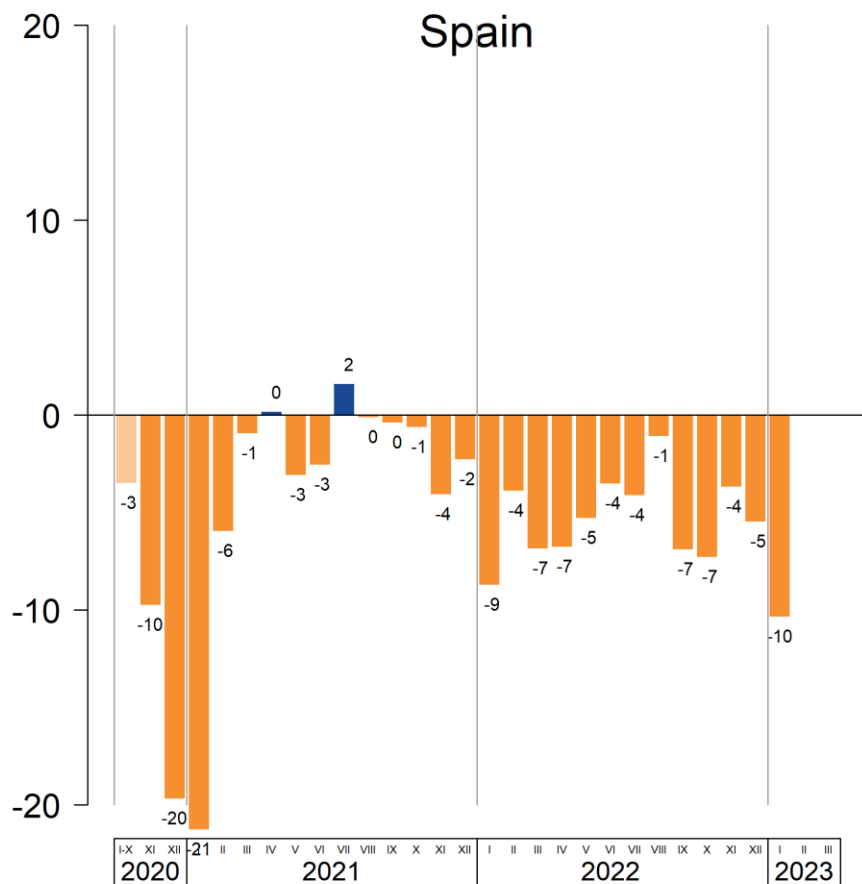
Last update: 19-12-2022

Country	Crude data	Seasonally- and calendar-adjusted data
Austria	01/2000–09/2022	01/2012–09/2022
Belgium	01/2000–09/2022	01/2012–09/2022
Bulgaria	01/2000–12/2021	01/2012–12/2021
Canada	01/2000–12/2021	-
Canada: Quebec	01/2010–09/2022	-
Chile	01/2000–12/2021	-
Croatia	01/2000–09/2022	-
Czechia	01/2000–09/2022	01/2012–09/2022
Denmark	01/2000–09/2022	01/2012–09/2022
Estonia	01/2000–10/2022	-
Finland	01/2000–10/2022	01/2012–10/2022

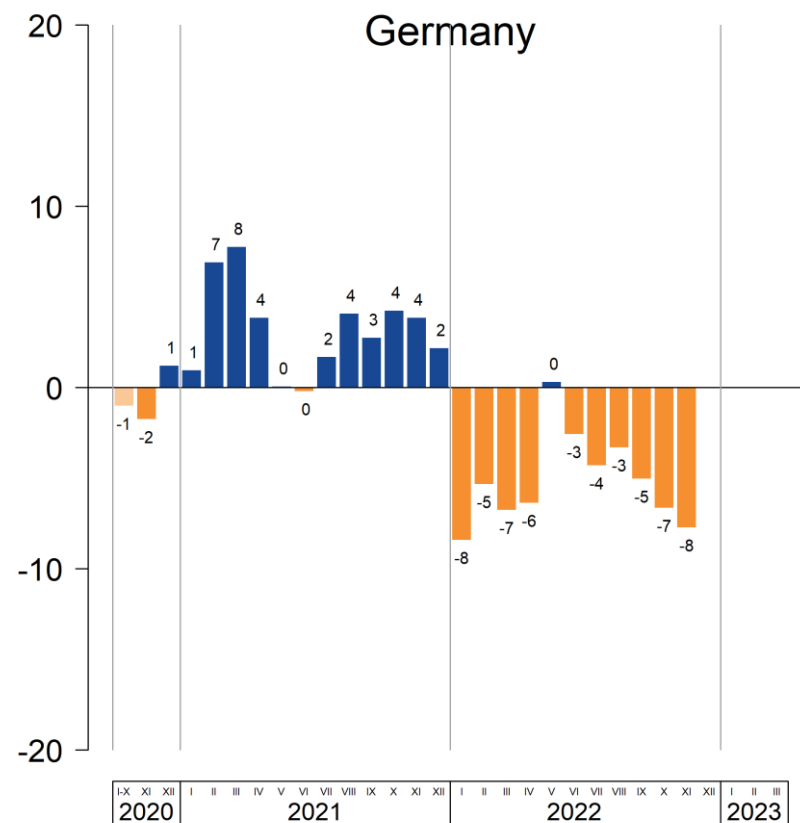
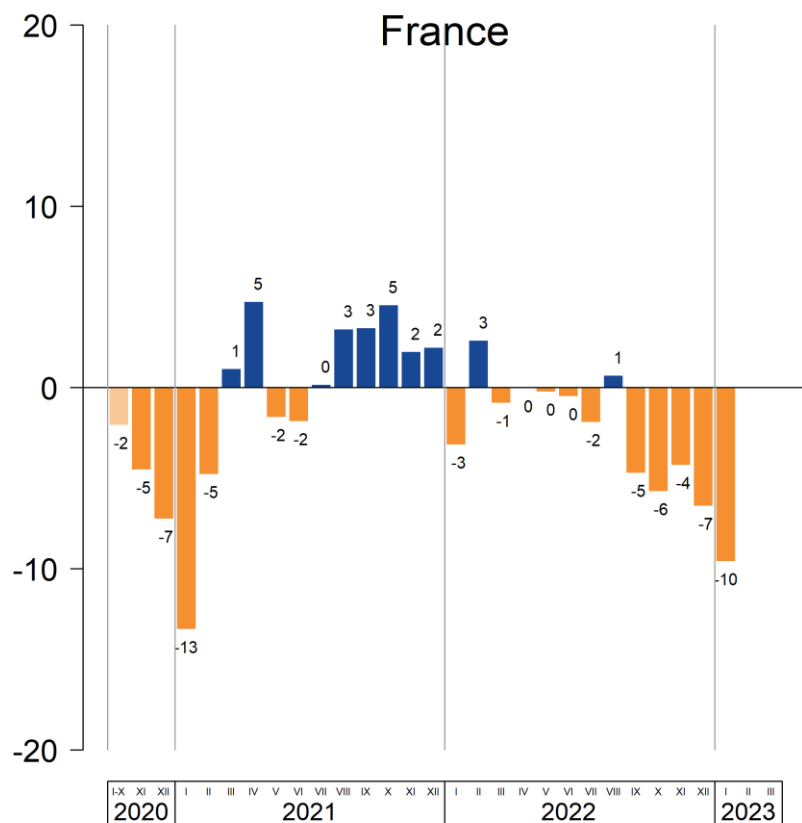
Dostupná data



Relativní změny v měsíčních počtech narozených

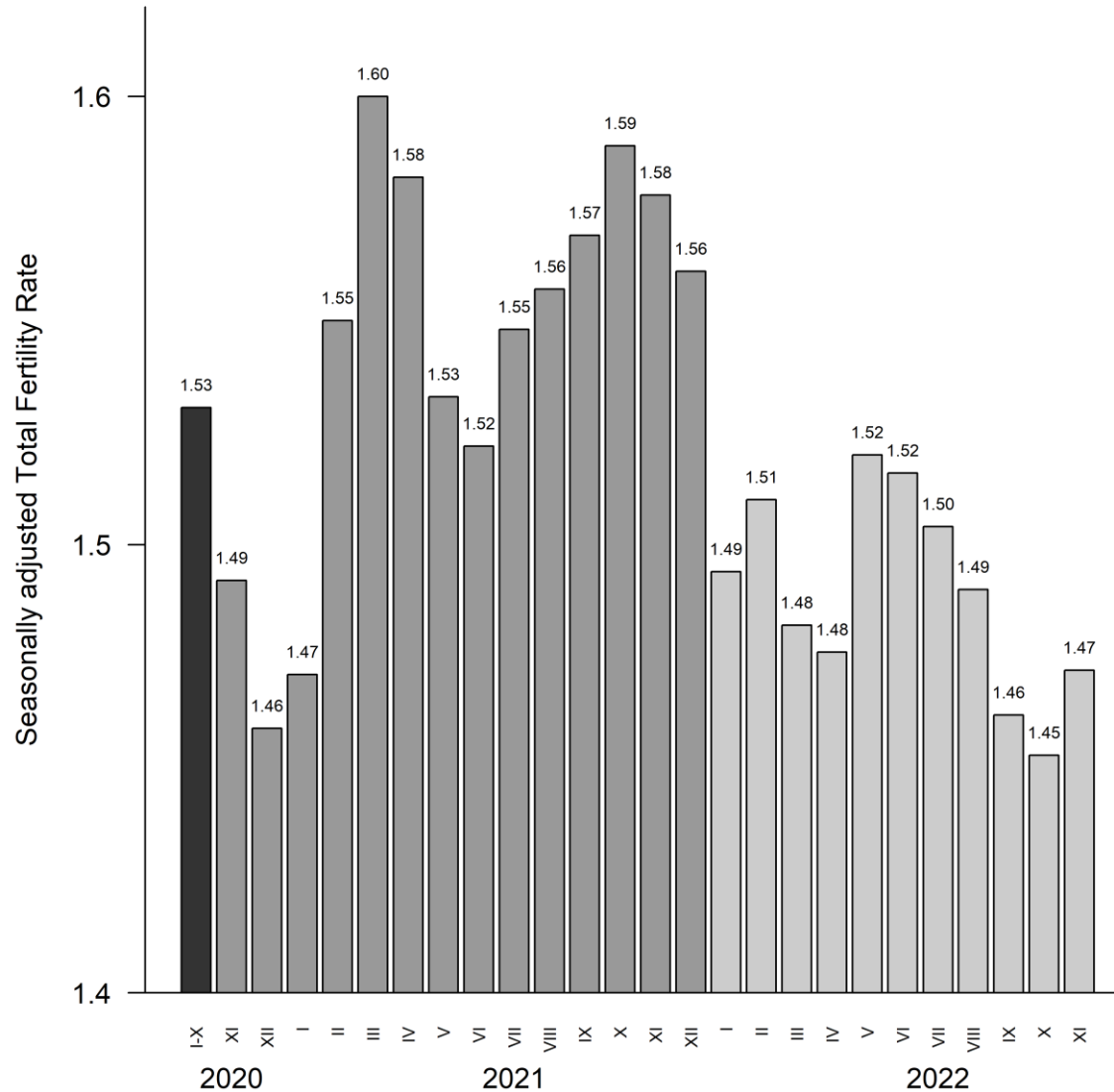


Relativní změny v měsíčních počtech narozených

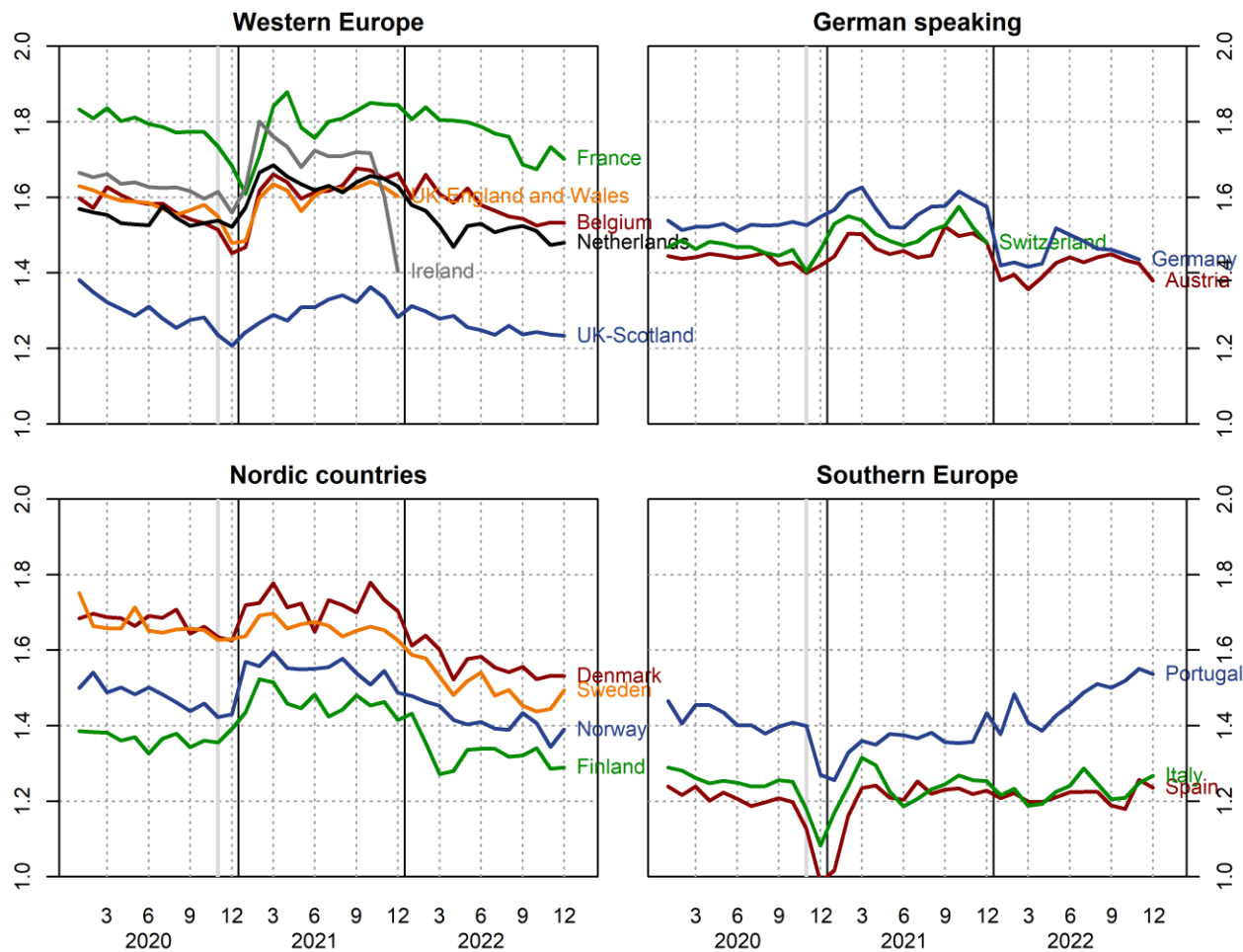


Odhad měsíční TFR – EU

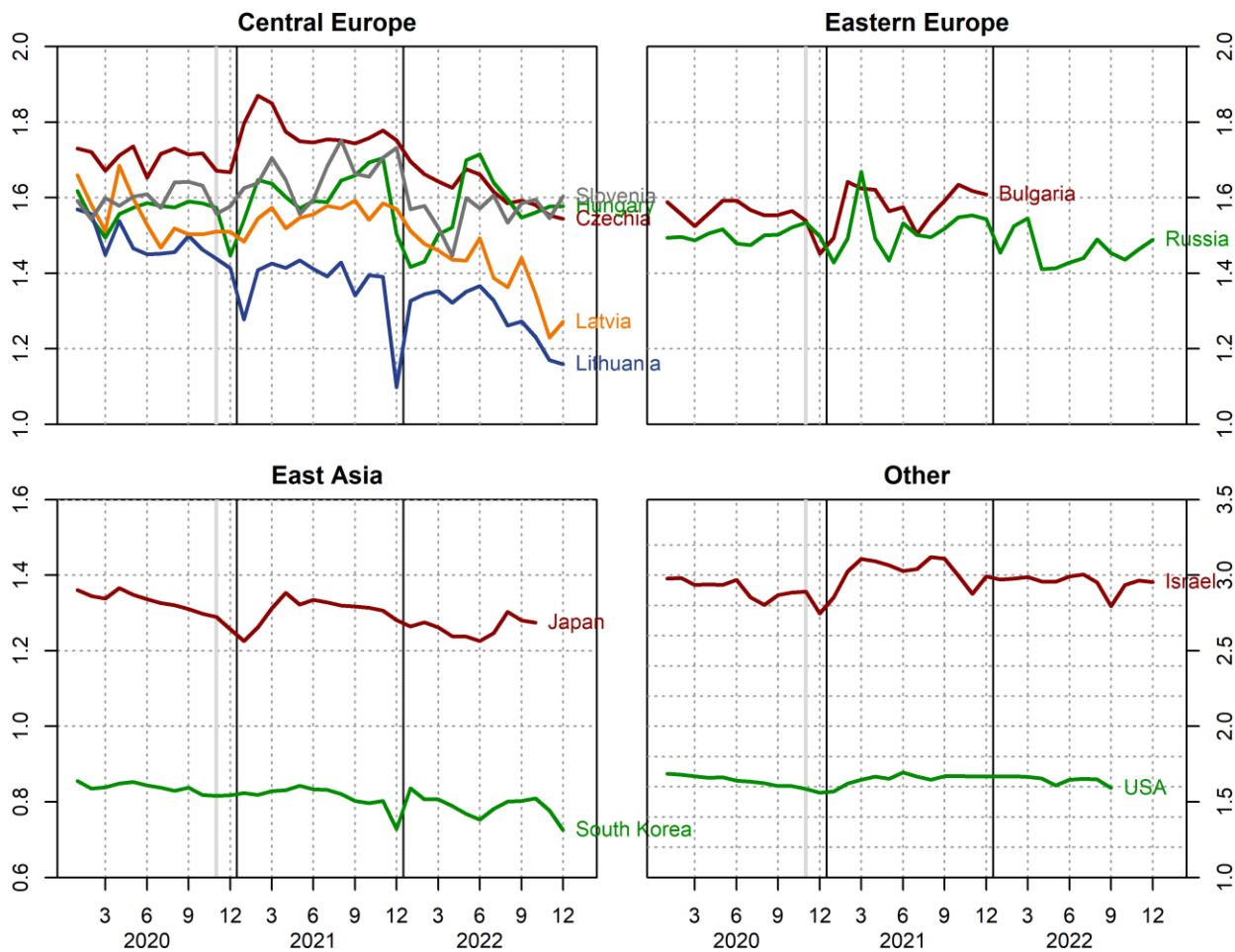
European Union (17 countries)



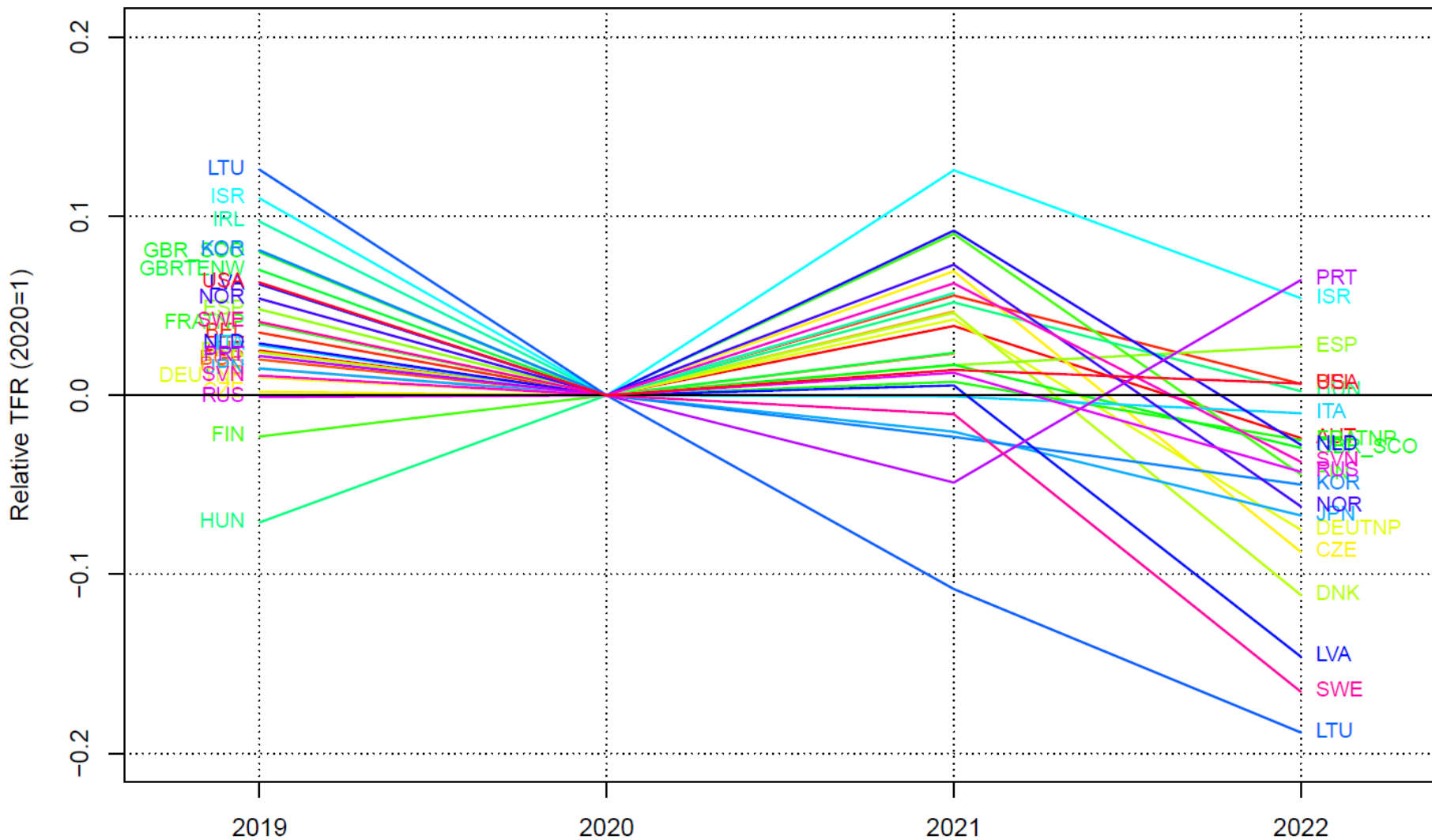
Odhad měsíční TFR – regiony



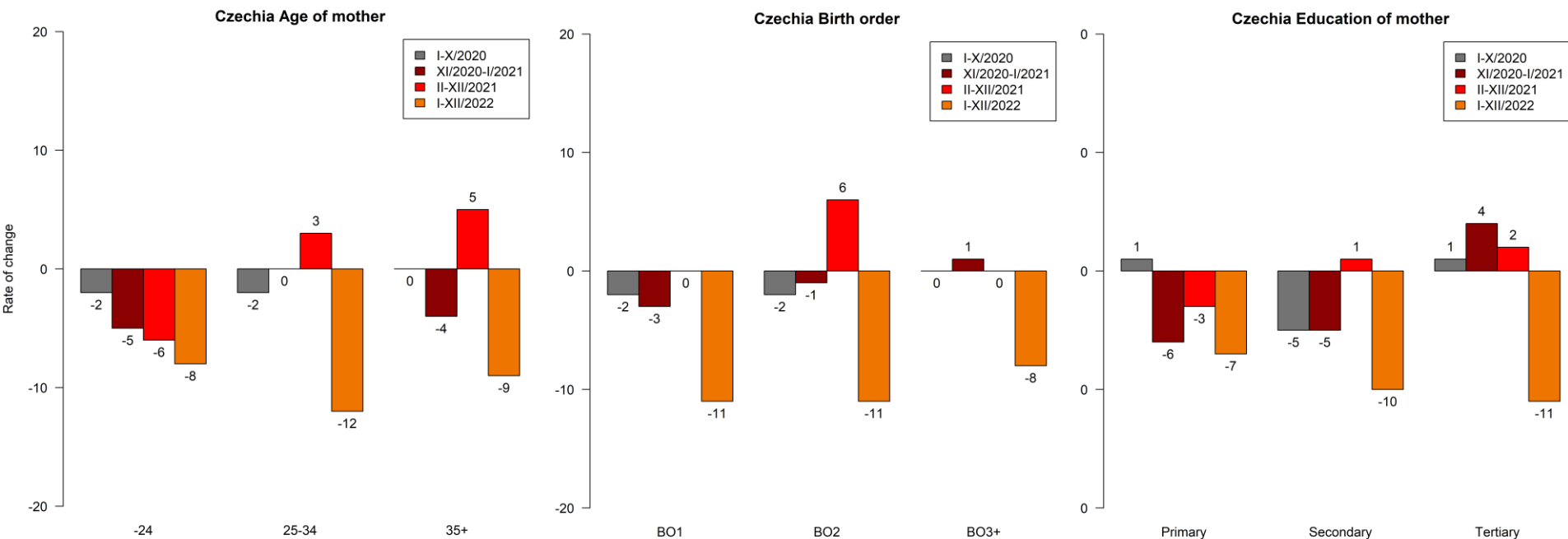
Odhad měsíční TFR – regiony



Změna TFR relativně k roku 2020



Podrobná data – Česko



Důvody poklesu

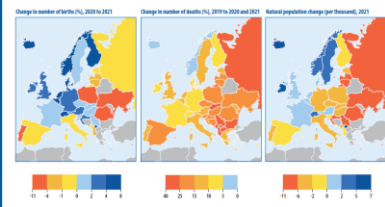
- Dlouhodobý vliv COVIDU (socio-ekonomický)?
- Válka na Ukrajině?
- Ekonomická situace?
- Očkování?

European Demographic Datasheet 2022



European Demographic Data Sheet 2022

Trends in births, deaths, and natural population change during the pandemic

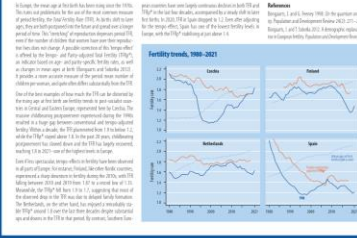


European Demographic Data Sheet 2022

Regional overview: key indicators

Country	Population (millions)	Population change (%)	Life expectancy (years)	Rate of natural population change (permille)
EU27	746.4	0.2	80.8	-0.4
EU28	753.1	0.1	80.7	-0.5

Tempo effect and adjusted indicators of total fertility

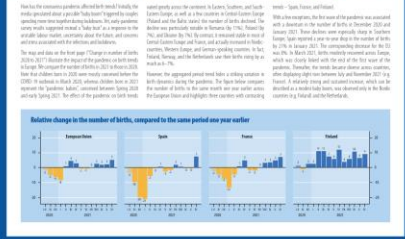


Population consequences of the COVID-19 pandemic

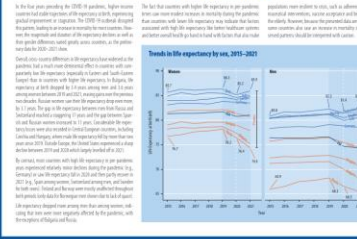
Data, rankings, maps, definitions, sources and notes: www.populationeurpe.org

Country	Pop. (millions)	Pop. change (%)	Life expectancy (years)	Rate of natural population change (permille)
Austria	8.9	0.1	83.4	-0.1
Belgium	11.5	0.2	82.1	-0.3
...
Spain	46.7	0.3	83.7	-0.5
...
UK	67.8	0.1	81.1	-0.7

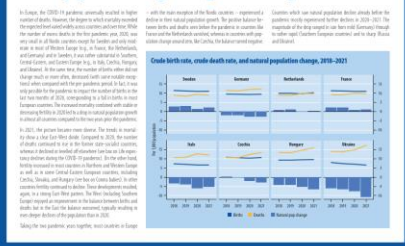
Corona babies: ups and downs in birth trends during the pandemic



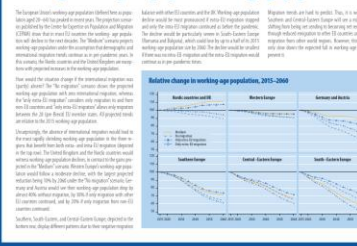
Life expectancy declines during the COVID-19 pandemic



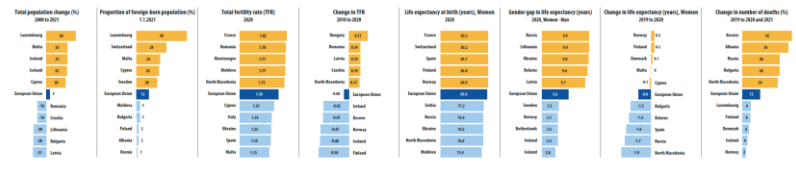
Natural population change during the COVID-19 pandemic



How migration impacts projected working-age population



Country rankings of selected indicators (top five and bottom five countries)



Income disparities between young and old Europeans: The role of employment, wages, and pensions



Can education and health investments compensate for the negative effects of low fertility in Europe?

