

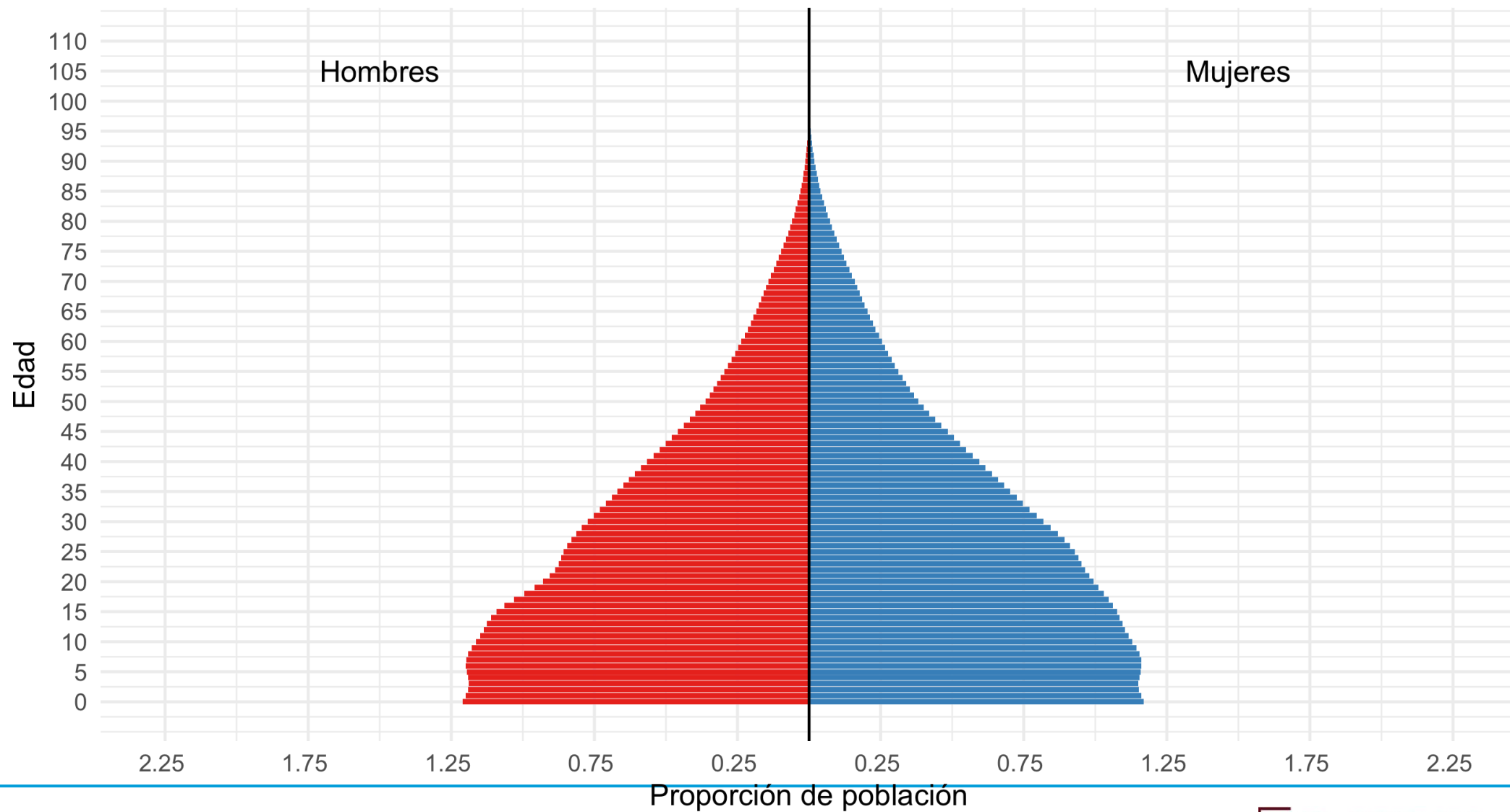
Measuring and forecasting international migration after COVID-19

Víctor M. García-Guerrero

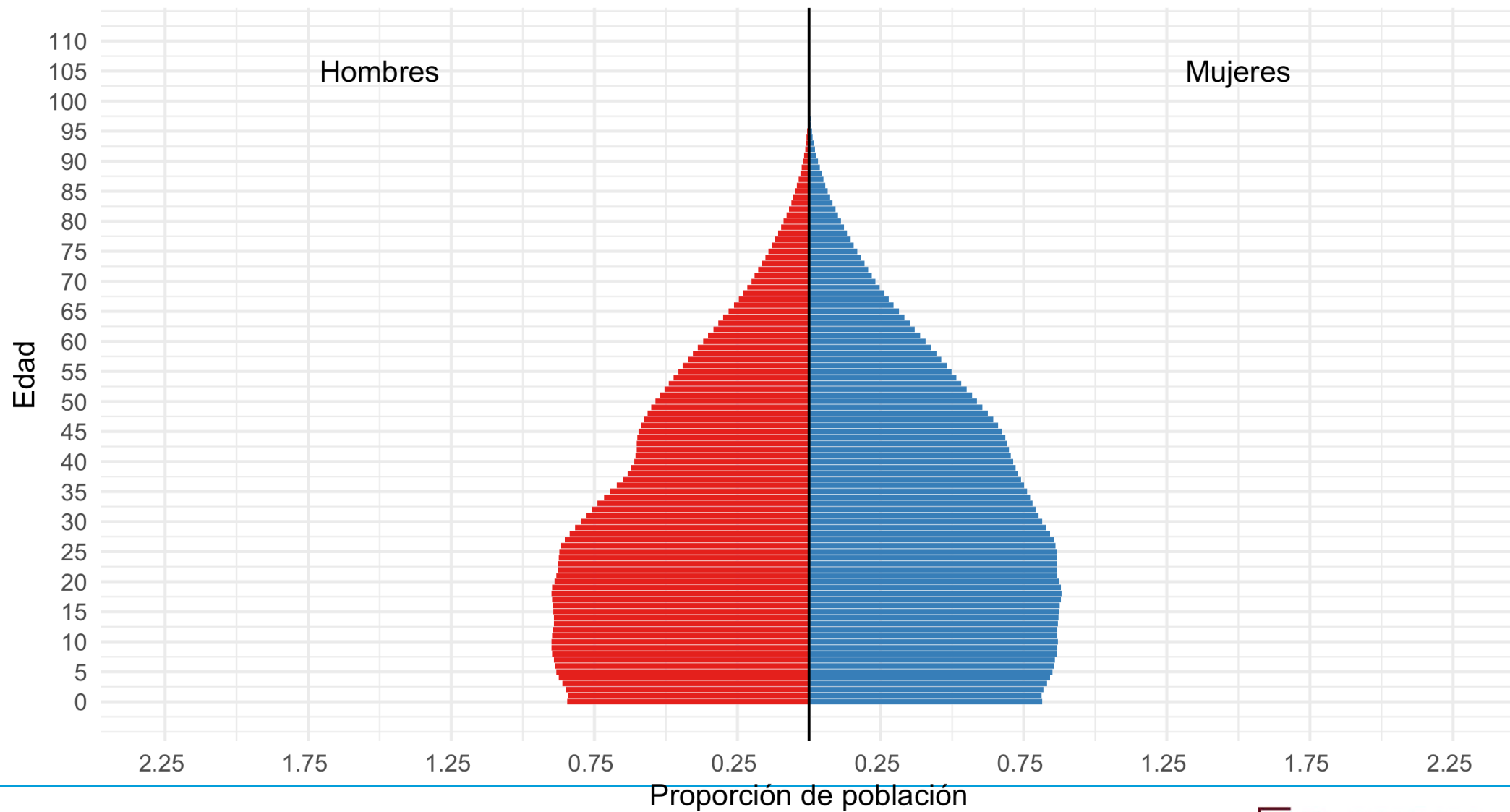
*Center for Demographic, Urban & Environmental Studies,
El Colegio de México
México*



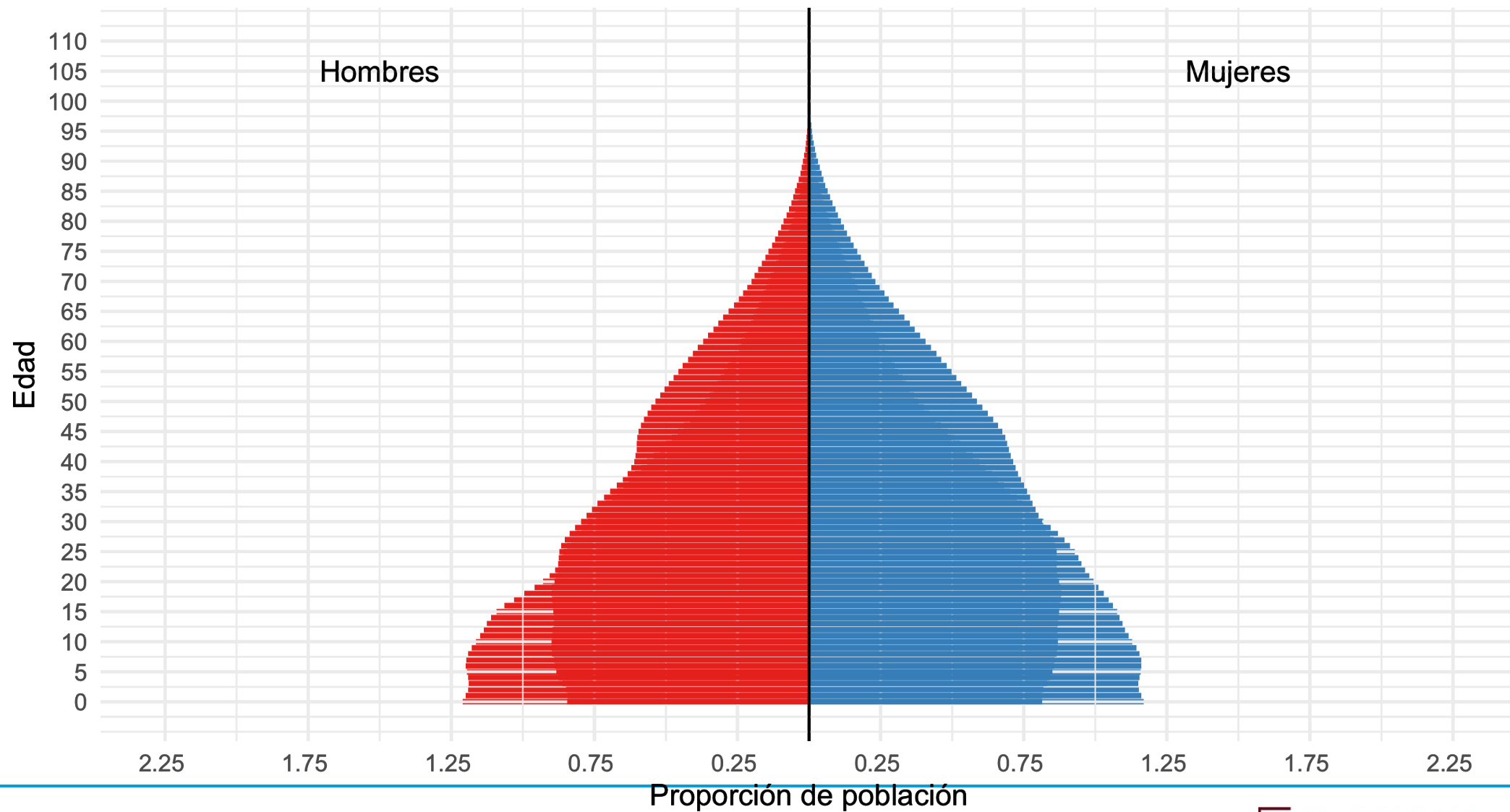
Age and sex distribution 2000-2019



Age and sex distribution 2000-2019



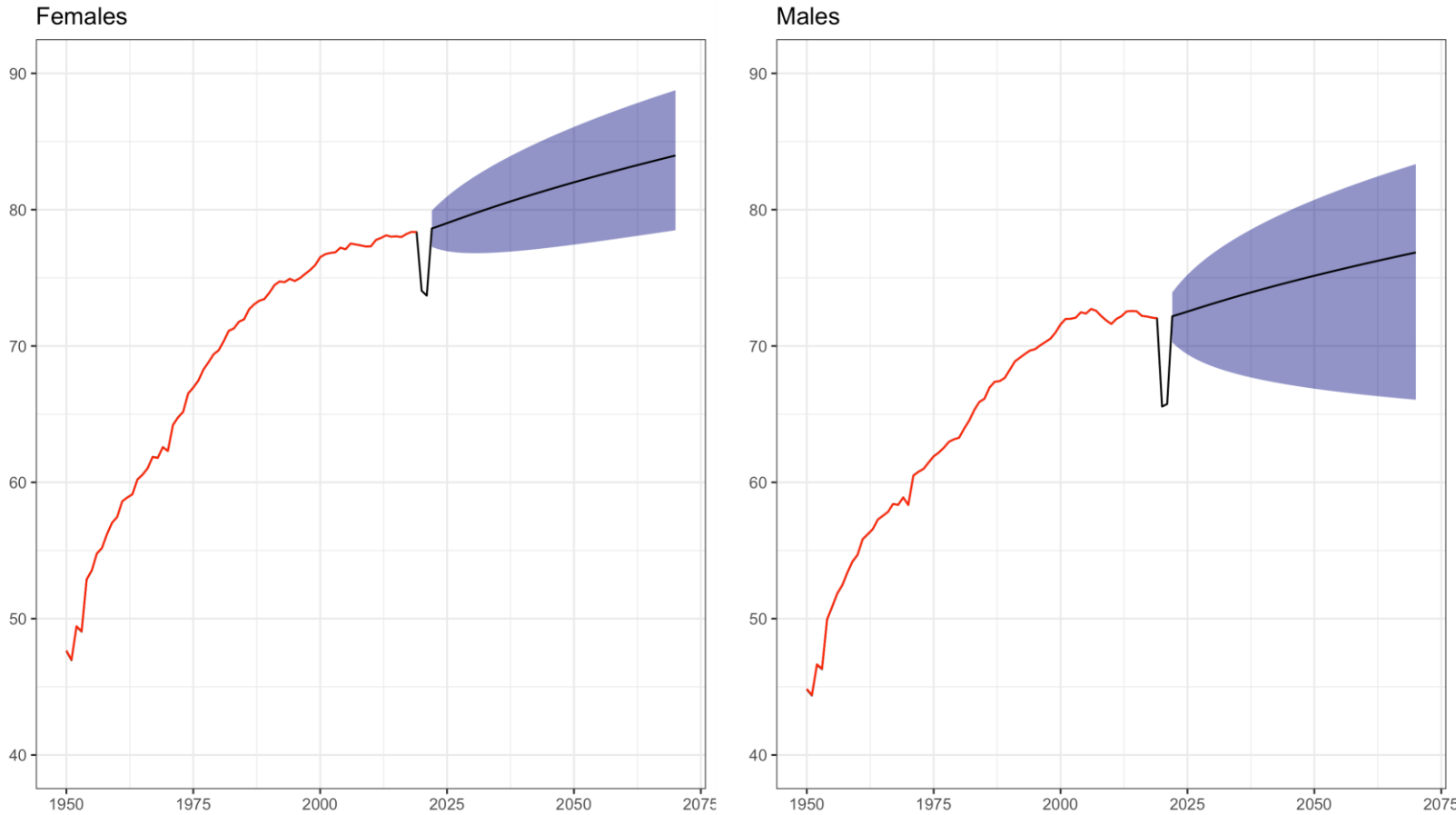
Age and sex distribution 2000-2019



Main components of population change, 1950-2019

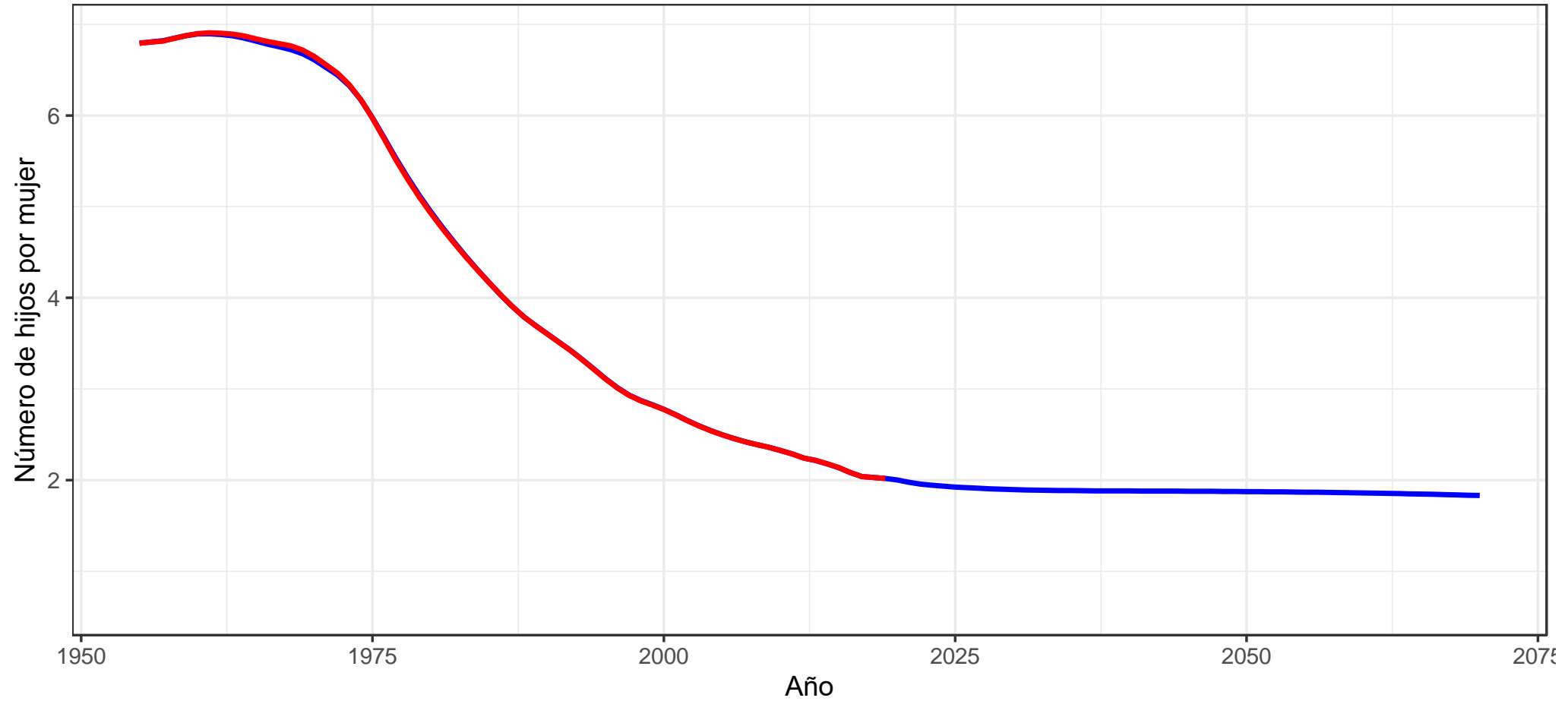


Loss of LEO in 2020 and 2021

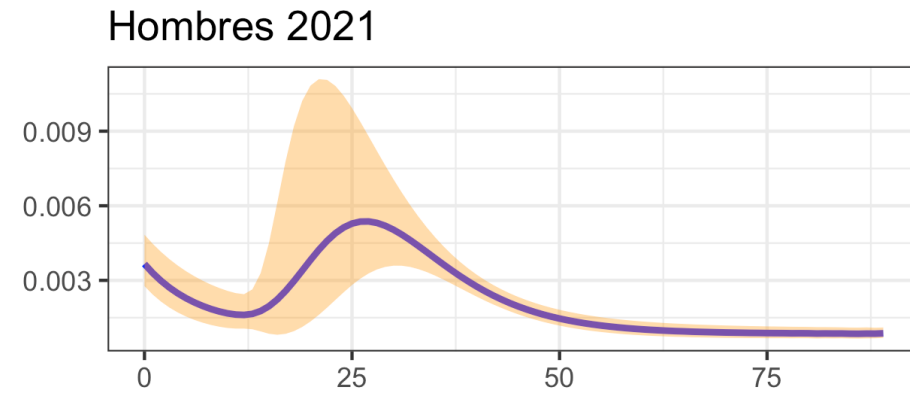
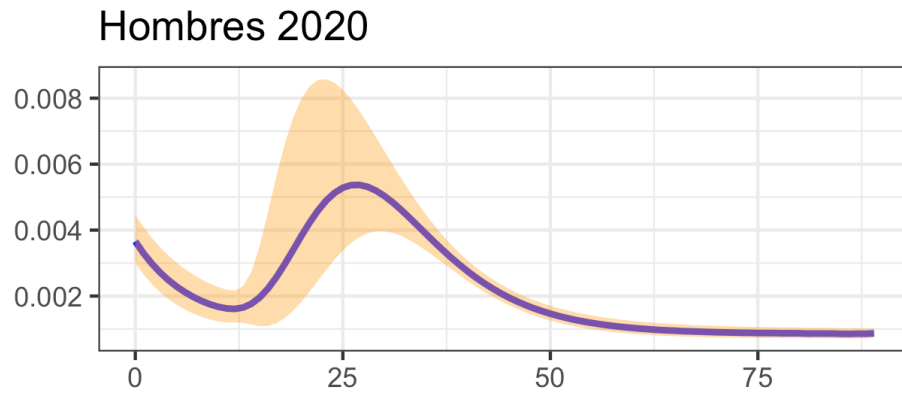
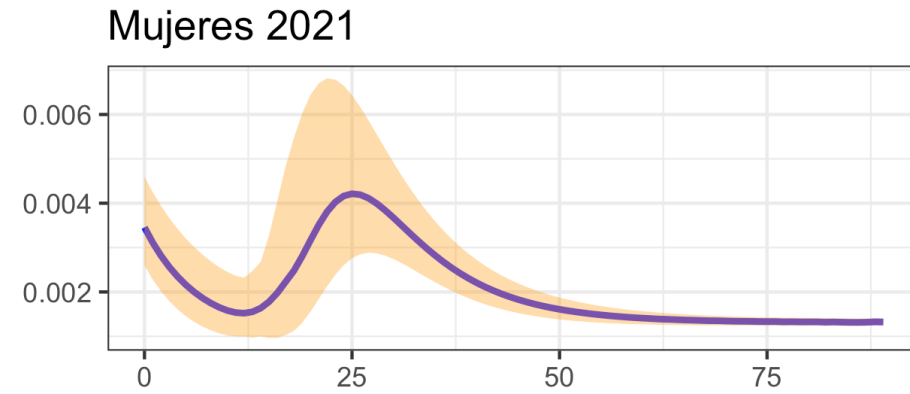
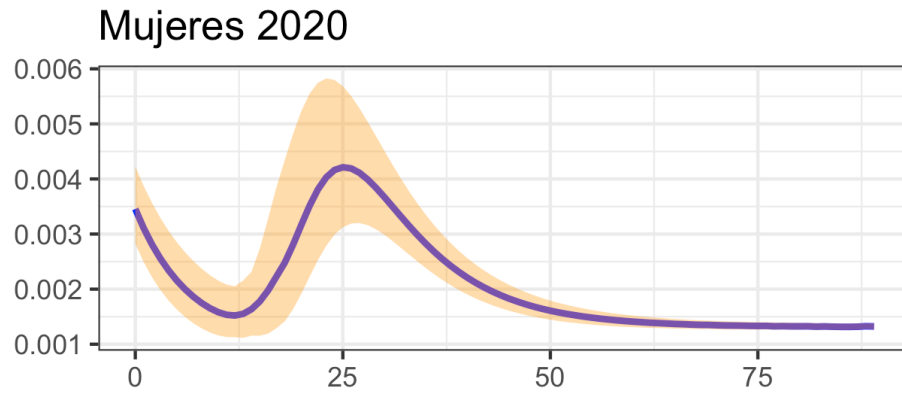


García-Guerrero & Beltrán-Sánchez (2021). Heterogeneity in Excess Mortality and Its Impact on Loss of Life Expectancy due to COVID-19: Evidence from Mexico, Canadian Studies in Population

Fertility forecasted

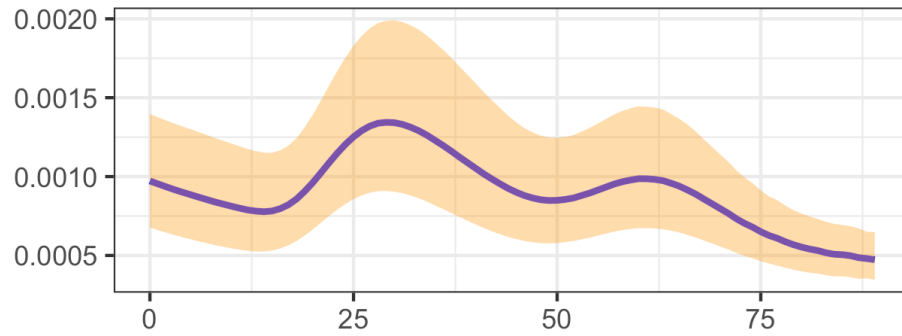


Forecast of international emigration 2020-2021

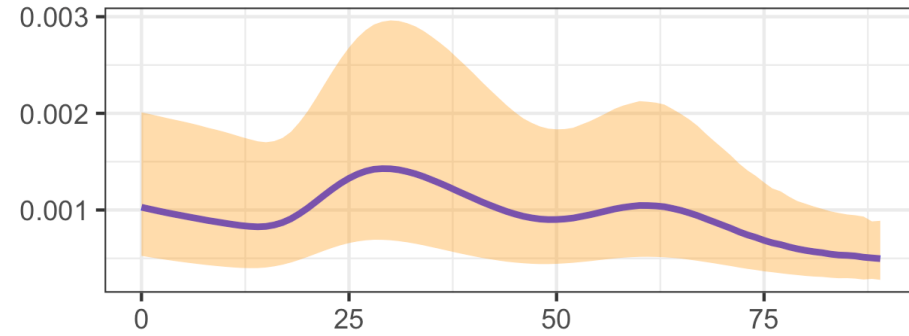


Forecast of international immigration 2020-2021

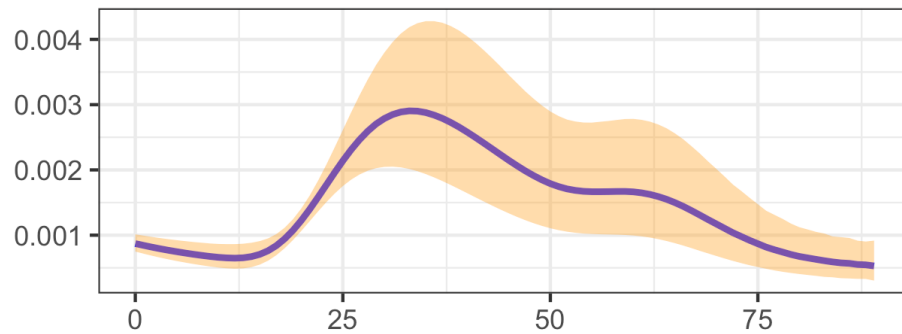
Mujeres 2020



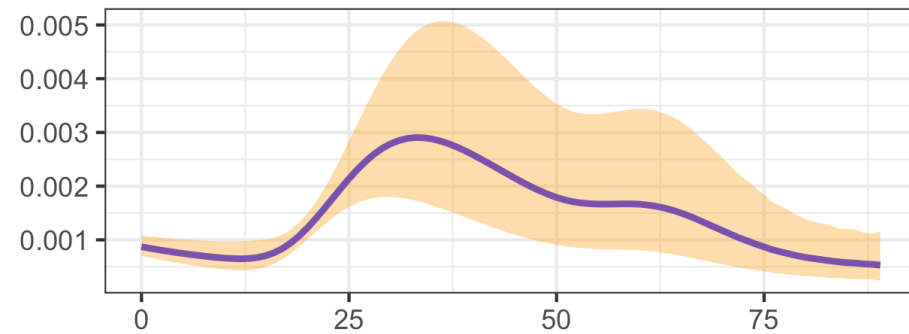
Mujeres 2021



Hombres 2020



Hombres 2021



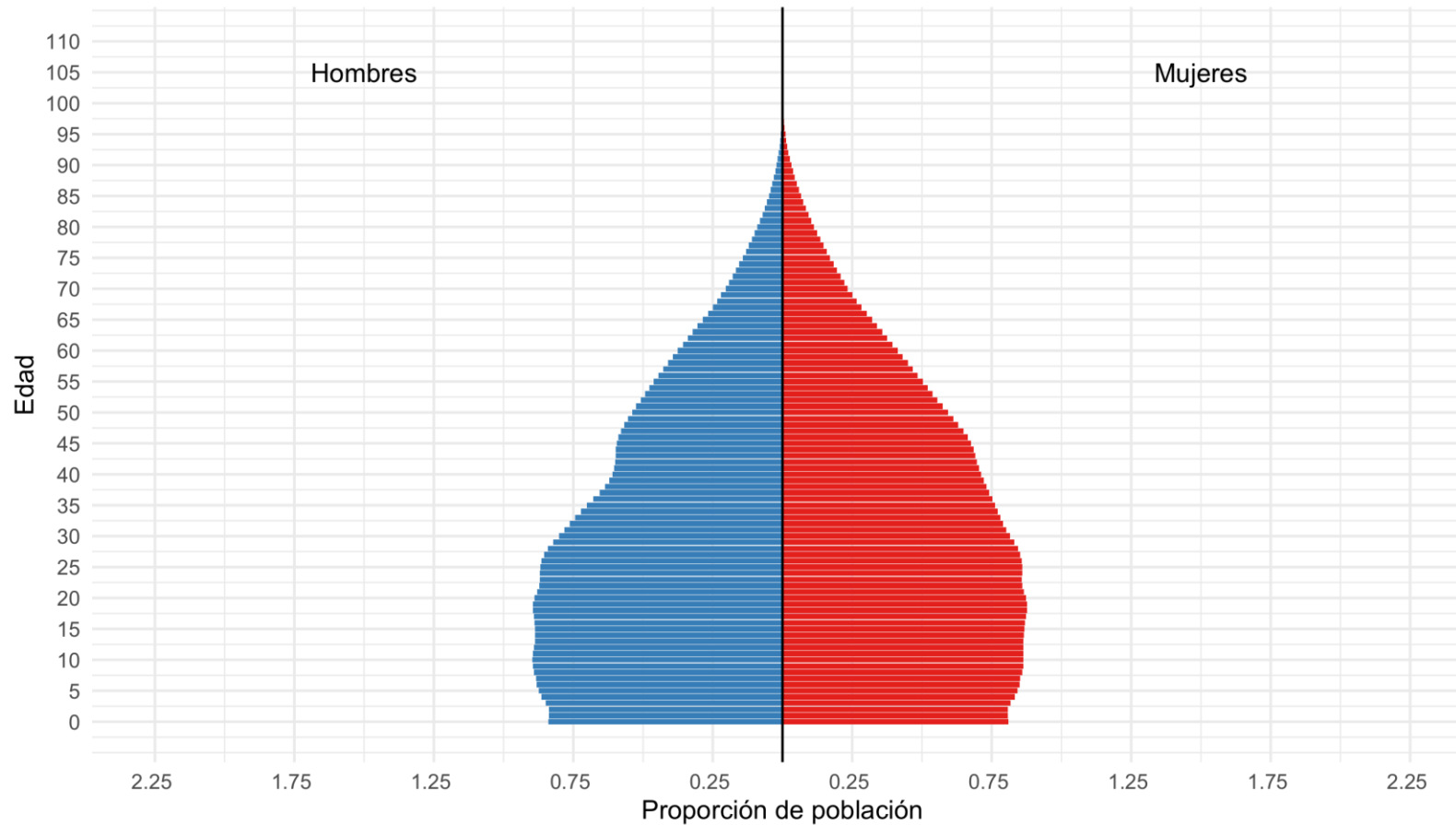
Four international migration scenarios for 2020-2021

1. Using 95% lower prediction interval (lpi) for immigration and emigration
2. Using median immigration and 95% lpi for emigration
3. Using median for immigration and emigration

Impacts on age structure and total population: Scenari

2020

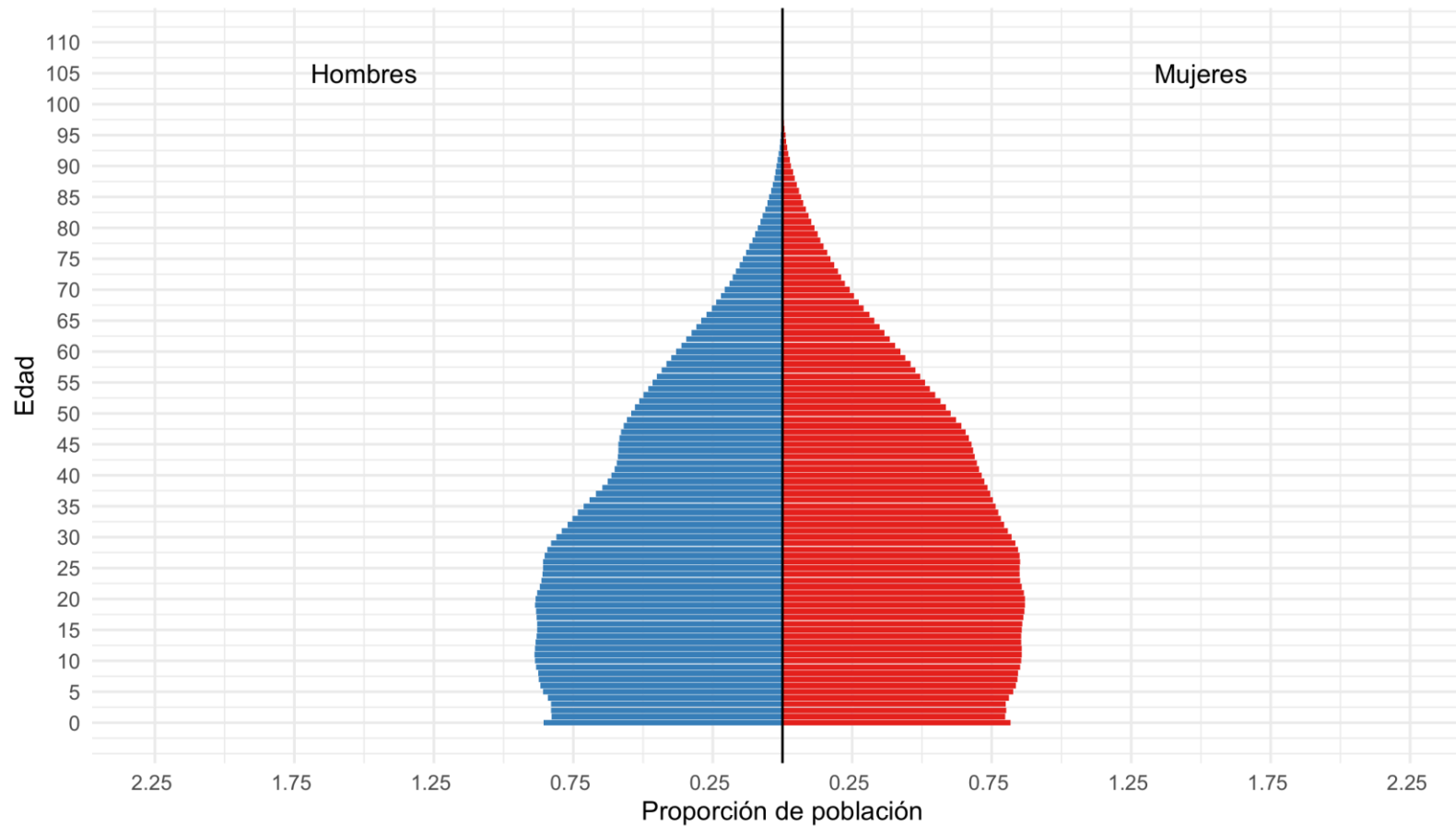
126.3 millions



Impacts on age structure and total population: Scenari

2021

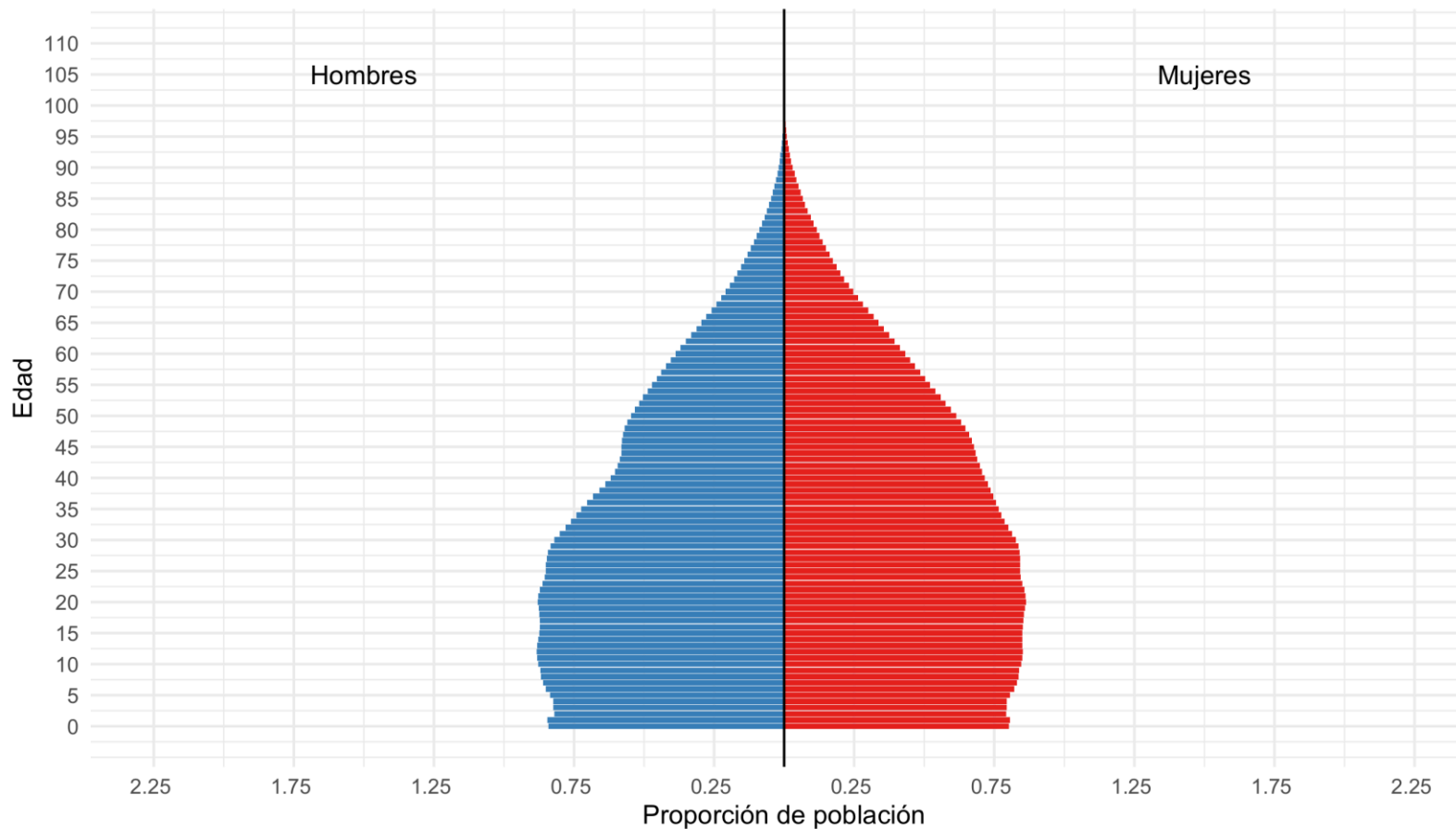
127.1 millions



Impacts on age structure and total population: Scenari

2022

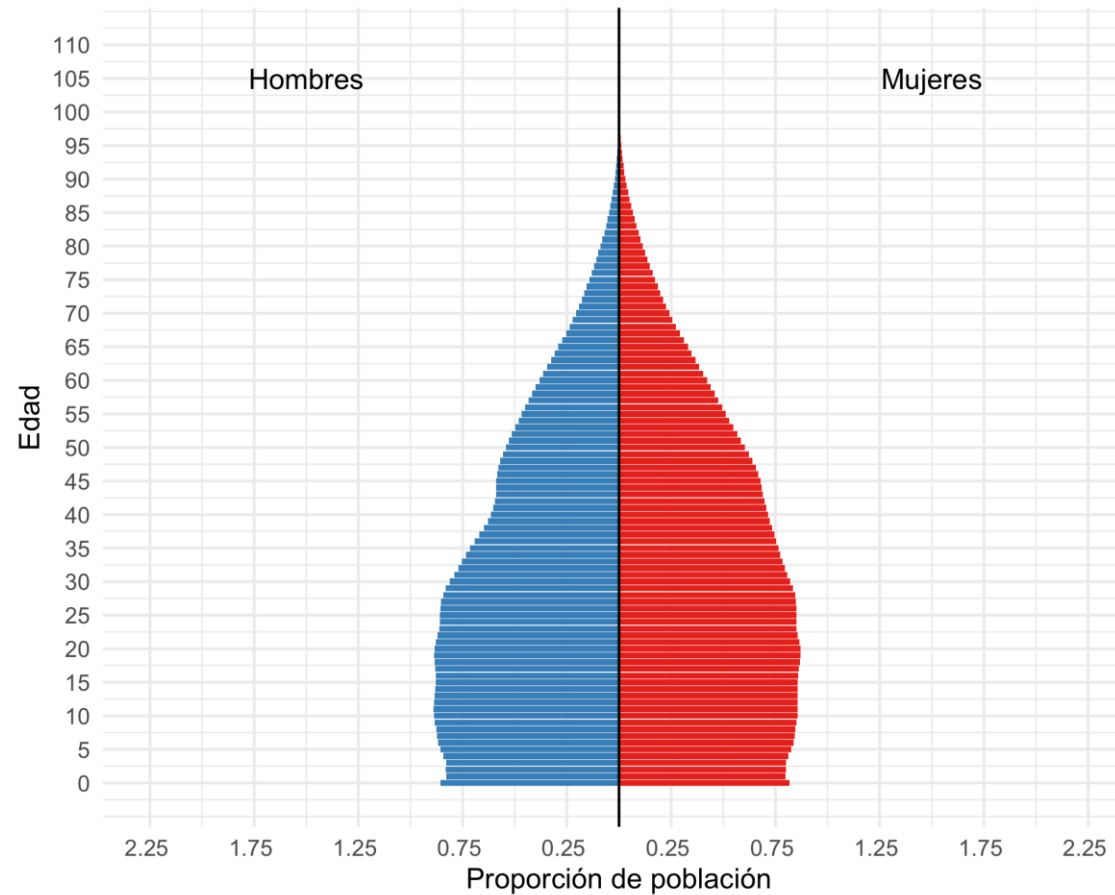
127.9 millions



Impacts on age structure and total population: Scenari

2021

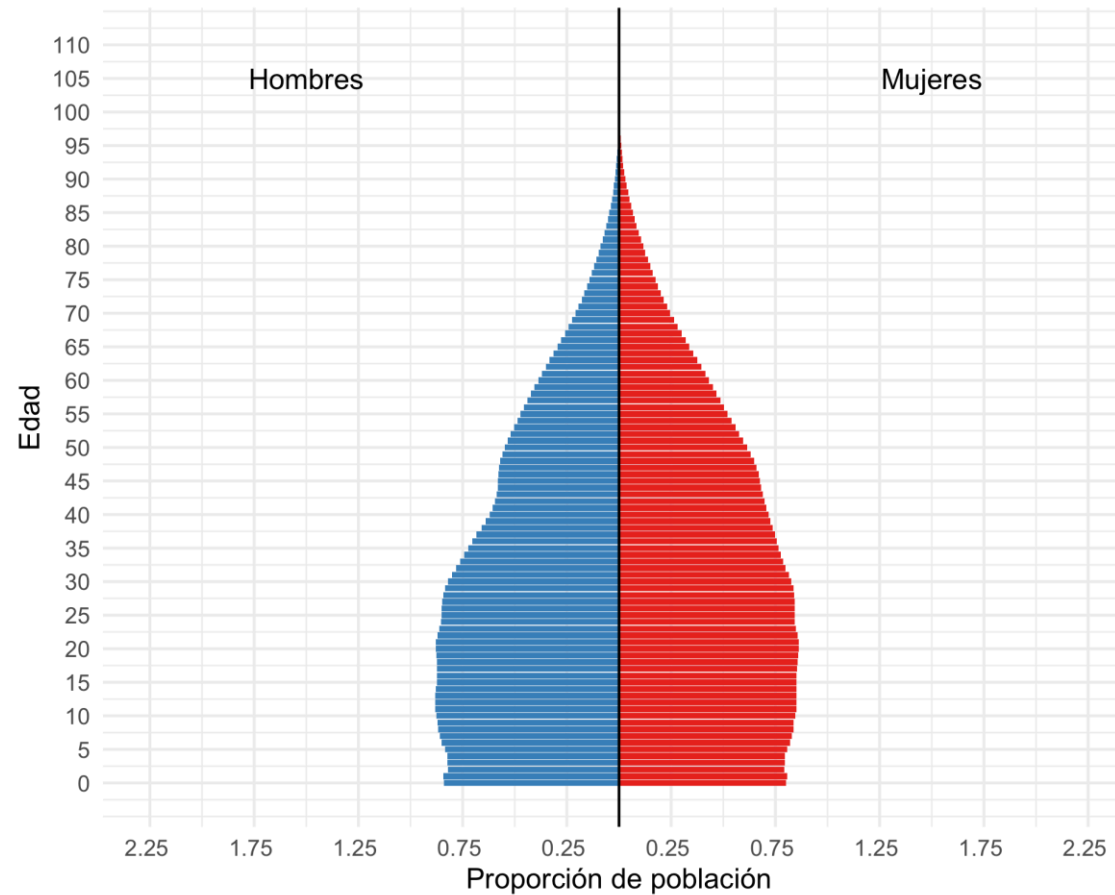
127.2 millions



Impacts on age structure and total population: Scenari

2022

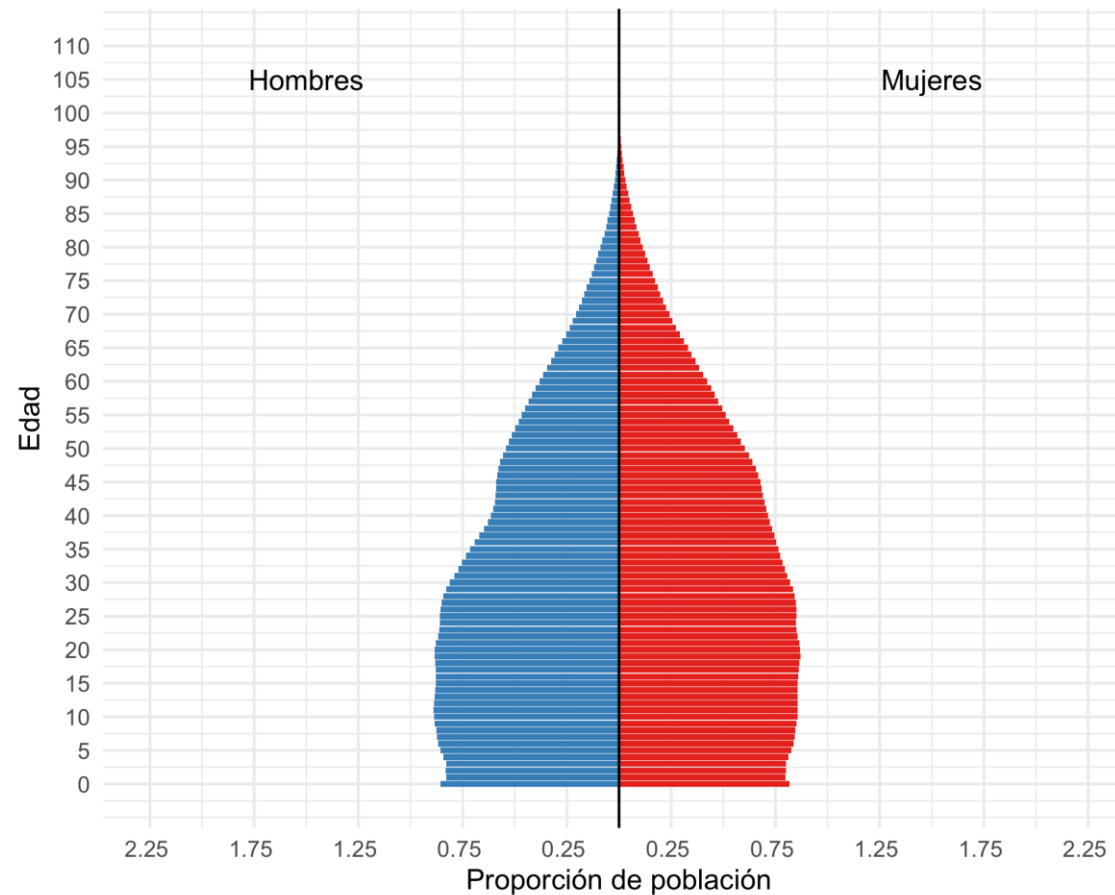
128.0 millions



Impacts on age structure and total population: Scenari

2021

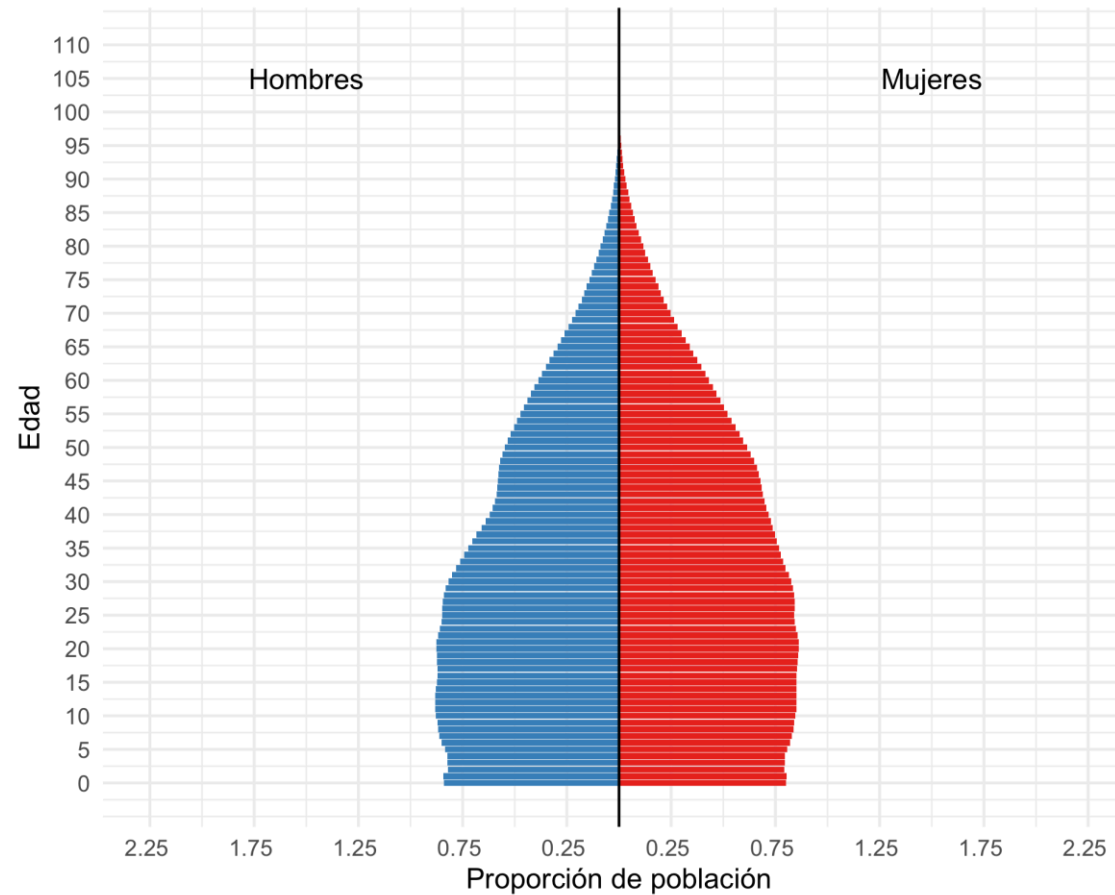
127.1 millions



Impacts on age structure and total population: Scenari

2022

127.9 millions



Conclusions

- Total population by age and sex is not highly sensitive to short-term changes of international migration.
- Using prediction intervals for 2020 and 2021 provides an objective benchmark to calculate the impact of COVID-19 in total population.
- It is likely that international migration returns to its pre-pandemic trends.

Thank you



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