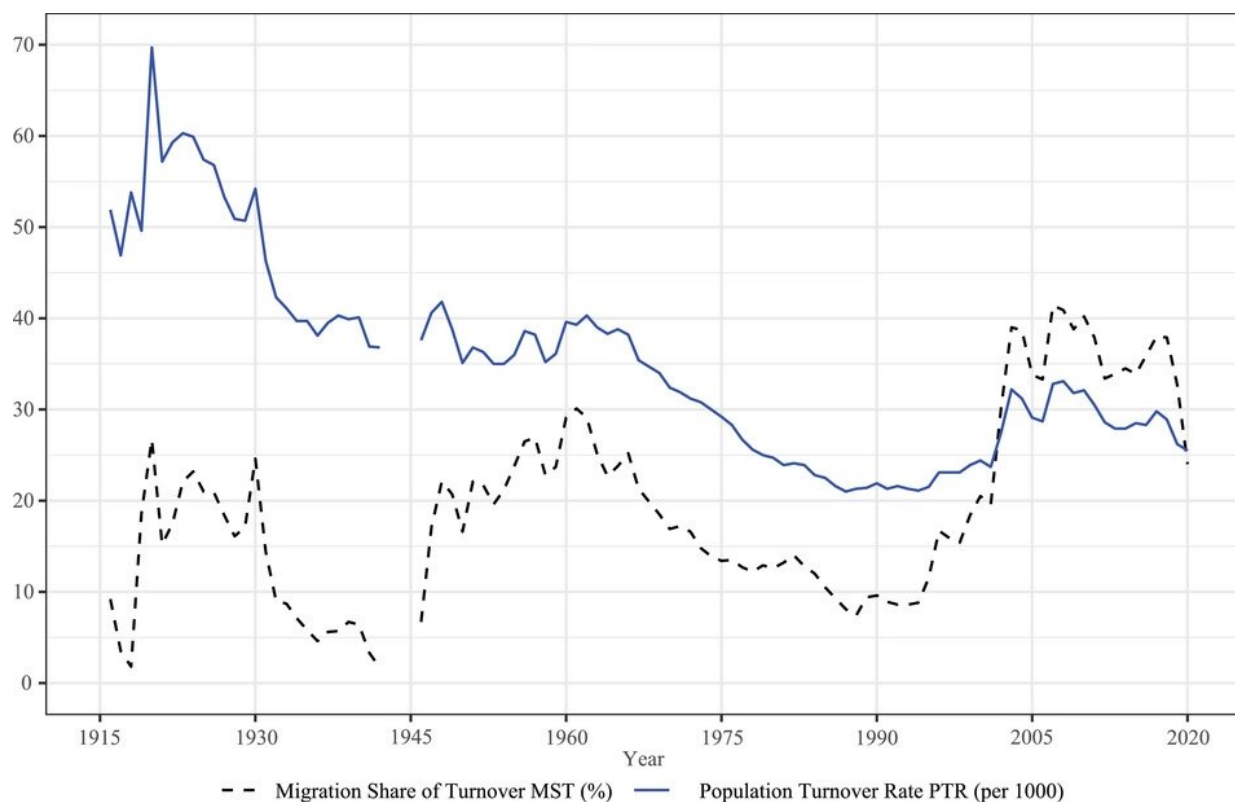


Why we think that demography is a slow thing, and why we are wrong

June 1 2022, by Umberto Platini



Annual PTR (per 1000) (blue, solid line), MST (%) (black, dashed line), Italy, 1916–2020 (with the exception of 1943–1945 during World War II). Source: Own elaborations on Italian National Institute of Statistics (ISTAT) data. Credit: *Population and Development Review* (2022). DOI: 10.1111/padr.12464

Scientific literature has considered human population trends as "slow,"

with fertility and mortality driving long term changes that are fully appreciable in generation-long periods, but the current exodus from war-ridden Ukraine to the rest of Europe or the acceptance of more than 1 million Syrian asylum-seekers in Germany in 2015 and 2016 show that our view of population change needs some updating.

In his latest paper appeared on *Population and Development Review*, Bocconi Professor Francesco Billari shows how migration trends make [population change](#) much faster. Featuring both global and more detailed country-level data from Italy and Germany, the study documents how migratory movements constitute an important determinant of population dynamics. Crucially, the change in demographic perspective from "slow" to "fast" can help [policy-makers](#) taking more informed decisions.

Phenomena like the transition from populations characterized by high fertility and low life expectancy to a paradigm of lower fertility and higher life expectancy in developed countries, or population aging in Europe are observable in such a long time span that 5 to 20 years must be considered as the near future. Such a large horizon has suggested that demography constitutes a "megatrend" that determines political, economic and [social change](#) rather than being determined by it.

Empirically, the long-term population turnover rate (PTR) defines the in-and-out flows of a population due to births, deaths, immigration and emigration. Without considering migratory rates, the PTR computes population change only on the basis of birth and [death rates](#) which, on their own, do not change rapidly. In the last 70 years, the speed of population change was halved and this finding is in line with the larger demographic transition mentioned earlier. However, Prof. Billari also measures the relevance of migratory movement in the population turnout rate through an index called migration share of turnover (MST).

It appears that migration is an increasingly relevant indicator of

population change but the results differ according to world areas. In Europe, [migratory movements](#) have almost become the most important determinant of population change, especially for smaller countries. Globally, countries with a higher Human Development Index (HDI) also experience a higher MST. Not only they are more likely to have completed the demographic transition to lower [fertility rates](#) but they are also more likely to be the destination of migration flows. As a result, the influx of migrants is responsible, on average, for a larger share of the overall population turnout.

Notably, migration flows are a remarkably faster phenomenon than generational population. A more fine-grained analysis on population rates and migration in Italy and Germany shows how the political and economic cycles have a dramatic impact on both population turnout and the MST. In Italy, policies designed to curb emigration have diminished the importance of [migration](#) in the first half of last century. In Germany, a more generous approach toward the migratory crisis which followed the Arab Springs has dramatically increased the MST.

"In general, we can conclude that the currently prevalent 'slow demography' perspective is misleading when applied as a general approach to the study of population change," Professor Billari said. Considering a "faster demography" can be advantageous to both politicians and scientists. "By devoting more resources to gathering and analyzing data on population flows, scholars can contribute to our knowledge of demographic trends in a fast-changing [population](#) environment," Prof. Billari continued. "At the same time, greater attention to the coevolution of socio-economic factors and demography can help policymakers to make more informed choices."

More information: Francesco C. Billari, *Demography: Fast and Slow, Population and Development Review* (2022). [DOI: 10.1111/padr.12464](https://doi.org/10.1111/padr.12464)

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