



Population Bomb: Half The World's Population Is Below Replacement Fertility Rate

Google returns 7.5 million results for the word 'overpopulation', all of which are ignorant, if not outright fraudulently claiming that population is the blame for everything. Here is a typical propaganda [statement](#):

Human overpopulation is among the most pressing environmental issues, silently aggravating the forces behind global warming, environmental pollution, habitat loss, the sixth mass extinction, intensive farming practices and the consumption of finite natural resources, such as fresh water, arable land and fossil fuels, at speeds faster than their rate of regeneration.

Population fear-mongering is a total fraud, similar to global warming, used to drive the U.N.'s Sustainable Development agenda. □ TN Editor

According to the most recent UN estimates (United Nations 2017), almost one half of the world's population lives in countries with below replacement fertility (BRF), i.e. with a total fertility rate (TFR) below 2.1

births per woman. Of these, one quarter have TFRs close to the replacement level, i.e. between 1.8 and 2.1; the other three-quarters have really low fertility, below 1.8 births per woman. Low-fertility countries are generally grouped into clusters. The main clusters are in East Asia, Southern Europe, the German-speaking countries of Western Europe, and all the former socialist countries of Central and Eastern Europe (Table 1).

Table 1 - Main clusters of countries with below replacement fertility (TFR around 2015 in parenthesis)

<p>In East Asia: <i>very low fertility</i> in Japan (1.5), China (1.6), South Korea (1.3), Taiwan (1.2), Hong Kong (1.3), Singapore (1.3), and Thailand (1.5). Also some other Asian countries, e.g. Iran (1.6), Lebanon (1.7) and the United Arab Republics (1.7). <i>Moderately low fertility</i> in Bangladesh (2.1), Vietnam (2.0), Malaysia (2.0), Nepal (2.1), North Korea (1.9) and Sri Lanka (2.0) as well as three former Soviet Caucasian republics: Armenia (1.6), Azerbaijan (2.0) and Georgia (2.0).</p>
<p>In the Americas: Puerto Rico (1.5) and Canada (1.6) have the lowest fertility, followed by Brazil (1.7), Chile (1.8), Costa Rica (1.8) and Cuba (1.7). The United States (1.9), Colombia (1.8) and Jamaica (2.0) have <i>fertility close to replacement</i>, as do Australia (1.8) and New Zealand (1.9) in Oceania.</p>
<p>In Europe, all large Southern countries – Italy (1.5), Spain (1.4), Portugal (1.3), and Greece (1.3) – have very low fertility, as do the German-speaking countries, namely Germany (1.5) and Austria (1.5). North and West European countries tend to have <i>fertility close to replacement</i>: Sweden (1.9), Norway (1.8), Denmark (1.8), and Finland (1.8) as well as France (2.0), the United Kingdom (1.9), Ireland (2.0), Belgium (1.8) and the Netherlands (1.8).</p>
<p>In the formerly socialist Central and Eastern Europe, virtually all countries have very low fertility, such as Poland (1.3), Romania (1.5), Ukraine (1.6), as well as the Russian Federation (1.8) and Serbia (1.6).</p>

Source: United Nations, 2017

In fact, contemporary fertility around the globe is lower than it has ever been. Since the middle of the 20th century, childbearing has declined by 50 percent: 50 to 60 years ago women in developed and developing countries combined had on average 5 children, but now the world average is about 2.5 children per woman.

Why do so many countries have below replacement fertility?

Early in the 20th century it became obvious that family size was declining in countries experiencing substantial industrial and urban growth. A

number of French, British and American social scientists set out to map and explain this change. Perhaps the most comprehensive and profound explorations were conducted by a team of scholars at Princeton University's Office of Population Research. Frank Notestein, its first director, outlined what had transpired by mid-20th century, including the main causes for the changing family size, in two papers dealing with what is now known as the "demographic transition" (Notestein 1945 and 1953). Much of the following summary applies even today:

The new ideal of the small family arose typically in the urban industrial society. It is impossible to be precise about the various causal factors, but apparently many were important. Urban life stripped the family of many functions in production, consumption, recreation, and education. In factory employment the individual stood on his own accomplishments. The new mobility of young people and the anonymity of city life reduced the pressures toward traditional behaviour exerted by the family and community. In a period of rapidly developing technology new skills were needed, and new opportunities for individual advancement arose. Education and a rational point of view became increasingly important. As a consequence the cost of child-rearing grew and the possibilities for economic contributions by children declined. Falling death rates at once increased the size of the family to be supported and lowered the inducements to have many births. Women, moreover, found new independence from household obligations and new economic roles less compatible with child-rearing (Notestein 1953:17).

Since then, fertility trends and levels, and their causes and consequences have been *the* most researched topics in population studies. However, despite the hundreds of published studies, it appears that Notestein's observation continues to be valid: "it is impossible to be precise about the various causal factors, but apparently many were important".

In addition to never-ending advances in technology, the continuous need for new skills, the indispensable need for education, the persisting rise in costs of childrearing, continued mortality decline, and the steady rise

in women's status, important causal factors generating contemporary BRF since around the 1960s appear to be weakening economic and social conditions for large swaths of the population. These include often imperfect social and family policy measures; the improving quality, variety, and access to means of birth regulation; and the gender revolution (Frejka 2017).

In the West - consisting of Western, Southern and German-speaking Europe, North America and Japan, as well as other East and South-East Asian countries - economic and social conditions are not as favorable as in the post-Second World War period. Various beneficial aspects of the "welfare state" have been whittled away. The level of real income has been stagnating, and income inequality increasing. Employment levels have been fluctuating. Unemployment among young people has been relatively high and employment insecurity is widespread. The cost of housing has been increasing, making it difficult for young people to secure decent homes. All of these conditions have contributed to the fact that young people are short on means and have postponed marriage and childbearing (Cherlin 2014, Hobcraft & Kiernan 1996).

On the cusp of the 1990s, formerly socialist Central and East European countries experienced a fundamental transformation from paternalistic conditions of relatively secure employment, low-cost housing, free education, free health care and various family entitlements to the economic and social conditions of contemporary capitalism just described above. The concomitant decrease in fertility and family size comes as no surprise (Frejka and Gietel-Basten 2016).

In China, the strictly enforced one-child policy on top of extraordinarily rapid industrialization and urbanization was instrumental in lowering childbearing.

In all these countries, women have entered paid employment in vast numbers, especially since the 1950s, shouldering not only household chores, childbearing and childrearing, but also securing a significant part of family income. Often the needs of the family and work collide, taking a toll on childbearing. Men have started to contribute to household chores and childrearing, but only in part and at a slower pace

than women entering the “public sphere.” As a whole, these developments constitute what is known as the *gender revolution* (Frejka et al. 2017).

The improved availability of a widening range of contraceptive means – often labeled as the contraceptive revolution – and the gradual legalization of induced abortions in many countries along with safer methods of performing abortions have made it easier for people to achieve whatever their desired family size might be.

Consequences of below replacement fertility

Knowledge about the demographic consequences of fertility trends is among the most important basic ingredients for long-term and short-term policy making and planning. Nowadays fertility and its effects can be projected reasonably well for the near future of 10-15 years, but also over longer periods, for which a set of alternative projections can be calculated. Such information is indispensable for planning and costing educational institutions, health care systems and social security systems, for example. It also serves to determine the availability of human resources for the labor market or for military purposes, or to calculate immigration and emigration probabilities.

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