

REVIEW OF FOUR RESEARCHES ON FERTILITY RATE AND ITS INCREASE

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§1. BASIS AND RECOMMENDATIONS FOR RADICAL RAISING OF THE TOTAL FERTILITY RATE

1. Demographic transition implies a sharp increase in family spending on the upbringing and education of children.
2. The main factor influencing the overall fertility rate is the level of economic benefit that a family receives from having a child.
3. Recommendations are proposed that will help countries with low birth rates to double or more this indicator.

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https://www.academia.edu/46850343/BASIS_AND_RECOMMENDATIONS_FOR_RADICAL_RAISING_OF_THE_TOTAL_FERTILITY_RATE

§2. LIFE BALANCE EQUATIONS FOR A PERSON AND FOR A FAMILY

1. An equation of life balance for individuals and families has been created based on the average salary in the country.
2. The total fertility rate depends on factors such as the cost of housing, the amount of mortgage overpayment, the cost of higher education, the duration of compulsory secondary education and the average life expectancy of pensioners.
3. The cost of education and housing purchase significantly reduce the total fertility rate in the country.
4. A modern family that has taken out a mortgage on an apartment can easily raise one child without higher education or face difficulties if it decides to pay for higher education.

5. If a family does not have a mortgage, it can successfully raise three children without higher education or easily raise one child by paying for higher education.

6. A family that does not seek to buy its own home and receive education for children has the financial means to give birth and raise from 15 to 25 children.

7. The process of extinction in societies with low birth rates is described.

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https://www.academia.edu/123431670/LIFE_BALANCE_EQUATIONS_FOR_A_PERSON_AND_FOR_A_FAMILY

§3. THE CITY AS A BIOLOGICAL TRAP.

WORKING TIME AND NUMBER OF HUMANITY.

1. By nature, a person is able to work about 650 hours a year, with a maximum of 1,000 hours.

2. With a five-day working week with an 8-hour day, a person works from 3,000 to 4,000 hours per year.

3. Thus, in urban conditions, a person works 5-6 times more than he can by nature, and 3-4 times more than his maximum norm.

4. Laziness in the workplace is a way for employees to take a break from excessive workload.

5. Parents' inattention to their children is often an attempt to save time and effort.

6. Settlements with one- or two-storey buildings, in which up to 2-3 thousand people live, are perceived as comfortable to live in.

7. Cities with a population of 5 to 10 thousand people or more, where multi-storey buildings are being built, are considered uncomfortable by people.

8. Although the city offers many advantages for living, it also helps to reduce the birth rate, turning into a kind of biological trap that attracts and destroys people at the same time.

9. Forecast up to 2300:

9.1. In the coming decades, the total fertility rate in the world will fall below the level of simple reproduction (less than 2.1 children per woman).

9.2. The human population will continue to grow in absolute numbers for several more decades (perhaps from 8 billion to 9 or 10 billion).

9.3. The decrease in the total fertility rate in the second half of the 21st century will lead to the cessation of population growth and the beginning of its decrease.

9.4. This process may take from 100 to 150 years, but it is unlikely to exceed 250-300 years.

9.5. Eventually, the human population can stabilize at the same level and remain so for thousands of years.

9.6. This may mean a reduction of the population by 2-3 times from the maximum of 9-10 billion, that is, by 2200 the population may reach 3-4 billion.

9.7. In order for the human population to exceed 5 billion after the year 2200, it is necessary to create a new powerful growth trend, which is currently not observed. This trend may be related to life balance equations for individuals and families (for example, reducing mortgage obligations, reducing time to receive education, etc.).

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https://www.academia.edu/123573501/THE_CITY_AS_A_BIOLOGICAL_TRAP_WORKING_TIME_AND_NUMBER_OF_HUMANITY

§4. LIFE BALANCE EQUATIONS FOR A PERSON AND FOR A FAMILY

The system of social balance equations helps to effectively balance the expenses of society and the state budget, distributing them among three categories of people: children, adults and the elderly. This is achieved using coefficients reflecting the standard of living and mortality, as well as the financial burden on adults and the tax system. As an example, calculations of the parameters of the social balance in Russia for 2010-2016 were carried out, including various options for determining the average retirement age.

November 2018

https://www.academia.edu/44714647/SYSTEM_OF_PUBLIC_BALANCE_EQUATIONS