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The Falling Fertility Rate: A Silent Demographic Shift

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Abstract

The worldwide fertility rate has been experiencing a downward trend in recent decades, prompting concerns regarding its long-term impacts on demographics and the economy. This demographic change arises from several interconnected factors, such as socioeconomic progress, urbanization, advancements in education and healthcare, and evolving societal values. While a reduction in fertility rates can result in beneficial outcomes like enhanced gender equality, greater workforce involvement, and improved child welfare, it also presents considerable challenges. Issues such as a rapidly aging population, a diminishing workforce, and heightened dependency ratios jeopardize economic stability, social security frameworks, and labor markets. Nations facing declines in fertility must formulate strategic policies to harmonize economic growth with social welfare while tackling labor shortages and fostering a sustainable demographic profile. This article examines the fundamental reasons behind declining fertility rates, the repercussions for both global and national economies, and possible strategies to manage this demographic shift. Through an analysis of diverse demographic models and policy measures, this study offers insights into alleviating the negative impacts of low fertility rates and promoting long-term societal resilience. Addressing this challenge necessitates a comprehensive, multi-dimensional strategy that includes familyoriented policies, immigration reform, incentives for childbirth, and improved work-life balance to ensure a sustainable future.

Keywords: Fertility Rate, Rasayan, Vajikaran, Lifestyle Disorder, Demographic Shift, Fertility Enhancement.

INTRODUCTION

Across the globe, fertility rates have been consistently decreasing, especially in developed and emerging economies. Some countries view this trend as a positive development, reflecting advancements in quality



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of life and societal progress. However, there are others who express concerns about the potential longterm ramifications of this decline. ¹ The effects of diminished fertility rates stretch deep into economic growth, labor markets, social fabric, and government policies. Therefore, grasping the underlying causes of this decline and its wider societal consequences is essential for creating effective responses. ²

Fertility rates have been declining at different rates depending on the country. Developed nations, including Japan, South Korea, and various European countries, have seen significant decreases in their birth rates. In contrast, certain developing nations still report higher rates of childbirth. ³ Overall, there is a worldwide pattern of decreasing birth rates linked to societal modernization, where more individuals are focusing on career advancement, financial security, and personal health rather than opting for larger families. The relationship between demographic shifts and economic viability presents a critical challenge that requires immediate action from policymakers, researchers, and social planners. ⁴

As fertility rates decline, societies face a series of long-term challenges stemming from demographic shifts. These changes often lead to an aging population, a shrinking workforce, and potential economic stagnation. ⁵ Governments find themselves in a delicate balancing act, striving to foster population growth while ensuring social and economic sustainability. In response to the threat of population decline, certain countries have introduced a range of policies aimed at mitigating the impact. These include financial incentives to encourage childbirth, extended parental leave to support families, and reforms in immigration to bring in new workers. Grasping the nuances of these interventions and evaluating their success is crucial for tackling this escalating demographic issue. ⁶

This article investigates the key factors contributing to the decrease in fertility rates, along with the socioeconomic consequences and potential policy interventions to alleviate adverse effects. Through the analysis of case studies, statistical models, and expert opinions, this research seeks to offer an in-depth understanding of the elements affecting fertility patterns and the essential measures required to ensure a stable and sustainable population framework.

Aim & Objective

The primary aim of this study is to examine the causes and consequences of declining fertility rates worldwide and propose potential solutions to address this demographic shift. The objectives of the study include:

- Analyzing the socioeconomic, cultural, and healthcare-related factors contributing to declining fertility rates.
- Evaluating the impact of declining birth rates on economic growth, workforce sustainability, and social structures.
- Identifying policy measures and strategies that can help mitigate the adverse effects of declining fertility rates.
- Providing recommendations for sustainable demographic management and economic stability.

Materials and Methods

This review is based on a comprehensive analysis of secondary data collected from various academic sources, government reports, and demographic studies. The methodology includes:

Literature Review: Examination of peer-reviewed articles, policy papers, and global reports from organizations such as the United Nations, World Bank, and World Health Organization.

Statistical Analysis: Evaluation of global fertility rate trends using demographic data from census reports



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and international surveys.

Causes of Declining Fertility Rates

The decrease in fertility rates is shaped by various social, economic, and technological factors. Grasping these underlying causes is essential for formulating policies aimed at alleviating any potential adverse consequences.

Socioeconomic Development: Higher income levels and greater economic stability are frequently associated with reduced birth rates. In modernizing societies, individuals often focus on advancing their careers, achieving financial security, and pursuing personal goals, which leads to smaller family sizes. Additionally, the escalating cost of living, especially in urban environments, acts as a deterrent to high fertility rates, as many households struggle to provide for several children.⁷

Education and Women's Empowerment: Increased access to education, especially for women, is associated with postponed childbirth and reduced family sizes. Improved literacy rates facilitate enhanced family planning and awareness of reproductive health. Women who attain higher education are more inclined to seek professional career opportunities, which can lead to later marriages and childbirth, ultimately contributing to lower fertility rates. ⁸

Urbanization and Shifts in Lifestyle: Living in urban areas typically involves more compact living arrangements, elevated living expenses, and a focus on career advancement, factors that often deter larger families. Furthermore, the greater availability of entertainment options, travel experiences, and opportunities for personal growth tends to redirect individual priorities away from early marriages and having multiple children.⁹

Healthcare Enhancements: The decline in infant mortality rates and increased access to contraception contribute to a reduction in the number of births per family, enabling parents to plan their pregnancies more efficiently. Progress in reproductive healthcare has equipped couples with better tools for managing fertility, resulting in a lower incidence of unplanned pregnancies. ¹⁰

Challenges in Achieving Work-Life Balance: The demands of a career, extended working hours, and inadequate parental leave policies hinder individuals from considering having larger families. Numerous parents, especially in affluent nations, find it difficult to manage both work and family responsibilities, which results in a tendency to opt for smaller family sizes.¹¹

Cultural and Social Norms: Changes in society toward individualism, postponement of marriage, and evolving gender roles are factors that lead to decreased fertility rates. In numerous nations, the longstanding expectation that women serve as primary caregivers has been questioned, resulting in an inclination for smaller family sizes and households where both partners pursue careers. ¹²

Consequences of a Declining Fertility Rate

The downward trend in fertility rates brings about important economic, social, and demographic implications that call for thoughtful strategies and policy measures.

Aging Population: With decreasing birth rates, the percentage of older adults is rising, which places pressure on healthcare and pension systems. The reduction in the number of young workers results in a smaller tax base to fund social security programs, which could result in economic challenges.¹³

Workforce Shortages: A decrease in the birth rate leads to a reduced labor force, potentially hindering economic growth, limiting innovation, and causing shortages in critical sectors like healthcare, education, and technology. In the absence of sufficient workforce replenishment, economies may find it challenging



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to sustain productivity levels. 14

Economic Implications: A decline in fertility rates can result in diminished consumer demand, sluggish economic growth, and the possibility of stagnation. Nations with an aging population might experience a reduction in GDP growth, rising healthcare expenditures, and a decrease in investment in sectors that serve younger age groups.¹⁵

Social and Cultural Consequences: Nations with robust traditional family frameworks might experience changes in societal expectations and values across generations. Furthermore, declining birth rates could result in the fading of cultural practices and modifications in language as demographic shifts occur. ¹⁶ Increase in Dependency Ratio: The dependency ratio, which compares the number of non-working dependents—such as children and the elderly—to the workforce, serves as a critical indicator of economic stability. A decrease in fertility rates leads to a higher dependency ratio, resulting in greater financial strain on working-age individuals tasked with supporting an increasingly larger aging demographic. ¹⁷

Potential Solutions

Tackling the issues stemming from decreasing fertility rates calls for a comprehensive strategy that weaves together economic, social, and policy-oriented solutions.

Government initiatives aimed at increasing birth rates can include measures such as parental leave, childcare support, housing assistance, and flexible work options. Countries like Sweden and France have effectively adopted family-friendly policies that have contributed to stabilizing their fertility rates. ¹⁸

Immigration Reforms: Implementing a regulated flow of immigrants can support labor markets, stimulate economic expansion, and maintain demographic equilibrium. Numerous nations experiencing low fertility rates, including Canada and Australia, have embraced pro-immigration policies to address issues related to population decrease.¹⁹

Enhanced Work-Life Integration: Employers have the opportunity to implement policies that facilitate an improved balance between work and personal life. Options such as remote work, flexible scheduling, and support for childcare can significantly reduce the stress experienced by working parents. This supportive environment may also encourage individuals to consider having more children.²⁰

Education and Assistance Initiatives: Public outreach and incentives for family planning can effectively tackle worries regarding decreasing fertility rates without resorting to coercion. Governments and organizations have the opportunity to advocate for educational initiatives that empower individuals to make informed reproductive decisions.²¹

Financial Incentives for Families: Monetary incentives, including tax benefits, child allowances, and educational subsidies, can motivate couples to increase their number of children. Nations like Hungary and Japan have tested various financial incentives aimed at enhancing fertility rates, achieving differing levels of success in their efforts. ²²

Social reforms and initiatives aimed at promoting gender equality, such as advocating for equal parental leave for both mothers and fathers, implementing flexible work arrangements, and fostering cultural changes that embrace child-rearing, can contribute to the development of a society where parenthood is regarded as a viable and fulfilling option.²³

Demographic Modeling

Demographic modeling is essential for analyzing and forecasting the long-term consequences of decreasing fertility rates. A range of models is utilized to evaluate population changes, fertility patterns,



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and their economic implications.

Population Projection Models: These analytical frameworks, including the cohort-component method, evaluate factors like birth rates, death rates, and migration patterns to forecast future demographic compositions. Such models are essential tools for governments and policymakers as they help predict shifts in the labor force and the requirements for social security systems.²⁴

In the realm of economic analysis, a series of specialized models come into play, each offering unique perspectives on the relationship between various demographic factors and fiscal dynamics. Dependency Ratio Models are among the first in this exploration; they focus on calculating the balance between those who depend on the working-age population and those who contribute to it. This balance serves as a crucial indicator for economists, shedding light on the financial strains that may burden both the labor force and social welfare systems.²⁵

As the narrative continues, we encounter Economic Impact Models, which delve deeper into the intricate connections between fertility rates and broader economic phenomena. These models illustrate how fluctuations in birth rates can influence economic growth, shifts in the labor market, and the overall ebb and flow of GDP. Such insights are invaluable for policymakers striving to formulate strategies that ensure a sustainable workforce now and in the future. ²⁶

Finally, we reach the cutting-edge Simulation-Based Models, which employ advanced computational techniques to envision a variety of fertility scenarios and the potential effects of different policy interventions. These simulations offer a glimpse into possible demographic futures, equipping decision-makers with the knowledge required to craft sustainable solutions that address the complex interplay between population trends and economic vitality. ²⁷

Prevention & Improvement of Fertility through Ayurveda

Ayurveda, the time-honored medical system from India, provides comprehensive strategies for boosting fertility and reproductive health. It emphasizes natural treatments, specific dietary habits, and lifestyle changes to enhance overall wellness while tackling fertility challenges. Important Ayurvedic methods for improving fertility encompass:

Herbal Remedies: The utilization of effective herbs like Ashwagandha, Shatavari, Gokshura, and Kapikacchu plays a significant role in hormone regulation, improving sperm quality, and promoting overall female reproductive health. ²⁸

Dietary Changes: Adopting a fertility-enhancing diet that includes abundant dairy products, nuts, seeds, fresh fruits, whole grains, and herbal supplements can effectively support reproductive health and enhance fertility. ²⁹

Panchakarma Therapy is a detoxification and purification method that incorporates various techniques including Abhyanga, which is an oil massage, Swedana, a form of herbal steam therapy, and Basti, which refers to medicated enemas. This therapy aims to eliminate toxins that can negatively affect fertility.³⁰

Rasayana Therapy refers to rejuvenation treatments designed to enhance the reproductive system and boost overall vitality. This approach often involves the intake of medicinal formulations such as Chyawanprash and various herbal tonics. ³¹

In the practice of yoga and meditation, certain postures like Baddha Konasana, Bhujangasana, and Surya Namaskar play a vital role in improving blood flow to the reproductive organs. Alongside these exercises, meditation serves as a powerful tool to reduce stress, which is widely recognized as a factor that can contribute to infertility. Additionally, cultivating a structured daily routine, complemented by sufficient



rest and a consistent sleep schedule, helps in regulating hormones and boosting the potential for fertility. 32,33

Discussion

The reduction in fertility rates offers both advantages and challenges. Although decreased birth rates can enhance gender equality and promote economic independence, they also raise important issues related to workforce sustainability and social security. Many nations experiencing falling fertility rates encounter labor shortages, which leads to a greater dependence on immigration and automation to ensure economic productivity. It is essential for policymakers to explore a variety of strategies to address the negative impacts of declining fertility rates. Pro-natalist measures, including financial incentives for having children, subsidized childcare, and extended parental leave, have been adopted in different countries with varied outcomes. For example, Sweden and France have effectively increased fertility rates through extensive family-supportive policies, whereas some other countries have found it challenging to reverse the downward trend.³⁴

One important approach includes immigration reform. Nations facing labor shortages could find advantages in encouraging higher levels of immigration to offset a declining workforce. Nonetheless, the successful integration of immigrant communities into current social frameworks and job markets necessitates thoughtful planning and adequate support systems. Furthermore, technological progress and automation are essential in mitigating workforce deficits. ³⁵ Innovations such as artificial intelligence and robotics can help bridge the gap left by diminished human labor, especially within sectors like manufacturing and services. Nonetheless, it is vital to strike a balance between automation and policies that promote economic fairness and job stability for the current workforce. ³⁶

Work-life balance is a critical factor that needs attention. Numerous developed countries face challenges with policies that hinder individuals from reconciling their professional and personal lives. ³⁷ The adoption of flexible working options, accessible childcare, and parental leave can promote increased birth rates without negatively impacting economic performance. A comprehensive strategy that includes policy changes, economic initiatives, and cultural transformation is essential to address the issues related to declining fertility rates. Collaborative efforts among governments, corporations, and social organizations are necessary to foster an environment conducive to sustainable population growth while promoting economic stability over the long term. ³⁸

Conclusion

The decreasing fertility rate represents a multifaceted demographic issue shaped by various factors. If this trend is not adequately addressed, it may result in prolonged economic stagnation, social unrest, and heightened pressure on social security systems due to an aging population. Nevertheless, through strategically crafted policy measures—such as family-oriented policies, economic incentives, and reforms in immigration—nations can effectively mitigate these adverse consequences. It is crucial for governments to promote environments conducive to family life, enhance work-life balance, and develop inclusive labor markets that support both parents. Furthermore, advancements in technology should be utilized to alleviate workforce shortages while ensuring job security. In summary, achieving a sustainable demographic future necessitates a proactive, well-rounded strategy that harmonizes fertility rates, economic development, and social stability. Joint efforts from policymakers, researchers, and society at large will be essential in tackling the challenges posed by a declining fertility rate and securing long-term economic wellbeing.



References:

- 1. Doepke M, Hannusch A, Kindermann F, Tertilt M. The economics of fertility: A new era. InHandbook of the Economics of the Family 2023 Jan 1 (Vol. 1, No. 1, pp. 151-254). North-Holland. nber.org
- 2. Gu D, Andreev K, Dupre ME. Major trends in population growth around the world. China CDC weekly. 2021. nih.gov
- 3. Reher DS. The aftermath of the demographic transition in the developed world: Interpreting enduring disparities in reproductive behavior. Population and Development Review. 2021. wiley.com
- 4. Grinin L. Revolution and modernization traps. InHandbook of revolutions in the 21st century: The new waves of revolutions, and the causes and effects of disruptive political change 2022 May 20 (pp. 219-238). Cham: Springer International Publishing. academia.edu
- 5. Lamnisos D, Giannakou K, Jakovljevic M. Demographic forecasting of population aging in Greece and Cyprus: one big challenge for the Mediterranean health and social system long-term sustainability. Health Research Policy and Systems. 2021 Dec;19:1-8. springer.com
- 6. Jarzebski MP, Elmqvist T, Gasparatos A, Fukushi K, Eckersten S, Haase D, Goodness J, Khoshkar S, Saito O, Takeuchi K, Theorell T. Ageing and population shrinking: implications for sustainability in the urban century. Npj Urban Sustainability. 2021 May 27;1(1):17. nature.com
- 7. Topuz SG. The relationship between income inequality and economic growth: are transmission channels effective?. Social Indicators Research. 2022. springer.com
- 8. Berrington A, Ellison J, Kuang B, Vasireddy S, Kulu H. Scenario-based fertility projections incorporating impacts of COVID-19. Population, Space and Place. 2022 Mar;28(2):e2546. wiley.com
- 9. Trounstine J. You won't be my neighbor: opposition to high density development. Urban Affairs Review. 2023. sagepub.com
- 10. Utomo B, Sucahya PK, Romadlona NA, Robertson AS, Aryanty RI, Magnani RJ. The impact of family planning on maternal mortality in Indonesia: what future contribution can be expected?. Population Health Metrics. 2021 Dec;19:1-3. springer.com
- 11. Rocha M. Promoting gender equality through regulation: the case of parental leave. The Theory and Practice of Legislation. 2021. tandfonline.com
- 12. Bergsvik J, Fauske A, Hart RK. Can policies stall the fertility fall? A systematic review of the (quasi-) experimental literature. Population and Development Review. 2021 Dec;47(4):913-64. wiley.com
- 13. Salari N, Darvishi N, Ahmadipanah M, Shohaimi S, Mohammadi M. Global prevalence of falls in the older adults: a comprehensive systematic review and meta-analysis. Journal of orthopaedic surgery and research. 2022 Jun 28;17(1):334. springer.com
- 14. Maestas N, Mullen KJ, Powell D. The effect of population aging on economic growth, the labor force, and productivity. American Economic Journal: Macroeconomics. 2023 Apr 1;15(2):306-32. nber.org
- 15. Kearney MS, Levine PB, Pardue L. The puzzle of falling US birth rates since the Great Recession. Journal of Economic Perspectives. 2022. aeaweb.org
- 16. He Y, Tom Abdul Wahab NE, Muhamad H, Liu D. The marital and fertility sentiment orientation of Chinese women and its influencing factors–An analysis based on natural language processing. Plos one. 2024. plos.org
- 17. Simionescu G, Doroftei B, Maftei R, Obreja BE, Anton E, Grab D, Ilea C, Anton C. The complex relationship between infertility and psychological distress. Experimental and Therapeutic Medicine. 2021 Apr;21(4):306. spandidos-publications.com
- 18. Gauthier AH, Gietel-Basten S. Family Policies in Low Fertility Countries: Evidence and Reflections.



Population and Development Review. 2024 Dec 19. wiley.com

- 19. Youvan DC. From Reunification to Populism: Understanding East Germany's Political Shift. 2025. researchgate.net
- 20. Waworuntu EC, Kainde SJR, Mandagi DW. Work-life balance, job satisfaction and performance among millennial and Gen Z employees: a systematic review. Society. 2022. societyfisipubb.id
- 21. Nadarajan J, Muhammad Haziq B, Muhamad Sharil I, Muhammad Fariedz Daniel A, Muhammad Nabil AH, Mohd Roslan R, Muhammad Afiq AR, Kunasekaran P, Rahimah I. The detrimental impact of low birth rates on Malaysia's accelerated transition to an aged society. International Journal of Academic Research in Business & Social Sciences. 2024;14(10). kwpublications.com
- 22. Jeong K, Yoon J, Cho HJ, Kim S et al. The relationship between changes in the korean fertility rate and policies to encourage fertility. BMC Public Health. 2022. springer.com
- 23. Schmidt EM, Décieux F, Zartler U, Schnor C. What makes a good mother? Two decades of research reflecting social norms of motherhood. Journal of Family Theory & Review. 2023 Mar;15(1):57-77. wiley.com
- 24. Purohit S. Demographic Transition Model and Population Growth of India-Implications and Assessments. Journal of Environmental Science and Public Health. 2023. fortuneonline.org
- 25. Parcalabescu L, Frank A. Mm-shap: A performance-agnostic metric for measuring multimodal contributions in vision and language models & tasks. arXiv preprint arXiv:2212.08158. 2022. [PDF]
- 26. Timoneda JC. Estimating group fixed effects in panel data with a binary dependent variable: How the LPM outperforms logistic regression in rare events data. Social Science Research. 2021. [HTML]
- 27. Zhu Q, Deng W, Zheng Z, Zhong Y, Guan Q, Lin W, Zhang L, Li D. A spectral-spatial-dependent global learning framework for insufficient and imbalanced hyperspectral image classification. IEEE Transactions on Cybernetics. 2021 May 25;52(11):11709-23. [PDF]
- 28. Zeng LH, Rana S, Hussain L, Asif M, Mehmood MH, Imran I, Younas A, Mahdy A, Al-Joufi FA, Abed SN. Polycystic ovary syndrome: a disorder of reproductive age, its pathogenesis, and a discussion on the emerging role of herbal remedies. Frontiers in Pharmacology. 2022 Jul 18;13:874914. frontiersin.org
- 29. KIYAK S, AYGÖR H, YALDIZ N. Fertility Awareness and Affecting Factors in Married Women of Reproductive Age: A Descriptive Study. Turkiye Klinikleri Journal of Nursing Sciences. 2024 Oct 1;16(4). [HTML]
- 30. Danappagoudar M, Patil SS. Effective Ayurvedic management of Infertility due to low AMH in Elderly Women-Case Study. Journal of Ayurveda and Integrated Medical Sciences. 2023 May 26;8(4):211-5. jaims.in
- 31. Payal P, Thummar P, Sreebala G, Patel BR. Unveiling the mechanisms of Rasayana therapy: Spotlight on unique contribution of Gokshura as Rasayana and Vajikarana Dravya in various classical texts. Journal of Drug Research in Ayurvedic Sciences. 2024 Dec 1;9(Suppl 2):S175-83. lww.com
- 32. Wojcik M, Plagens-Rotman K, Merks... P. Visceral therapy in disorders of the female reproductive organs. Ginekologia 2022. viamedica.pl
- 33. Wójcik M, Jarząbek-Bielecka G, Merks P, Luwański D, Plagens-Rotman K, Pisarska-Krawczyk M, Mizgier M, Kędzia W. Visceral therapy and physical activity for selected dysfunctions, with particular emphasis on locomotive organ pain in pregnant women—Importance of reducing oxidative stress. Antioxidants. 2022 Jun 5;11(6):1118. mdpi.com
- 34. Cheng H, Luo W, Si S, Xin X, Peng Z, Zhou H, Liu H, Yu Y. Global trends in total fertility rate and



its relation to national wealth, life expectancy and female education. BMC Public Health. 2022 Jul 14;22(1):1346. springer.com

- 35. Ambrogio G, Filice L, Longo F, Padovano A. Workforce and supply chain disruption as a digital and technological innovation opportunity for resilient manufacturing systems in the COVID-19 pandemic. Computers & Industrial Engineering. 2022 Jul 1;169:108158. nih.gov
- 36. Ahuchogu MC, Sanyaolu TO, Adeleke AG. Workforce development in the transport sector amidst environmental change: A conceptual review. Global Journal of Research in Science and Technology. 2024;2(01):061-77. gsjournals.com
- 37. Fazal S, Masood S, Nazir F, Majoka MI. Individual and organizational strategies for promoting worklife balance for sustainable workforce: A systematic literature review from Pakistan. Sustainability. 2022. mdpi.com
- 38. Osuizugbo IC, Oshodi OS, Kukoyi PO, Lawani AO, Onokwai AO. Barriers to adoption of work–life balance practices amongst construction companies in Lagos, Nigeria: an exploratory factor analysis. Engineering, Construction and Architectural Management. 2025 Mar 4;32(3):1643-69. figshare.com