3 Beyond Hunger:

Examining the psychological and social impacts of food insecurity in India

Akshita Sharma

Abstract

Food insecurity in India is a complex socio-economic challenge marked by unequal access to affordable, nutritious food and exacerbated by systemic issues such as poverty, inequality, and climate change. Beyond mere hunger, it encompasses psychological distress and social isolation, affecting individuals, families, and communities. Vulnerable groups, particularly children, experience significant impacts on cognitive development, growth, and academic performance, underscoring the urgency of addressing these challenges holistically. With India ranking 111 out of 125 in the 2023 Global Hunger Index, the severity of the crisis is evident. The Public Distribution System (PDS) designed to provide subsidized food is frequently hindered by inefficiencies and corruption limiting its effectiveness. Rural areas suffer from inadequate infrastructure and low agricultural productivity while urban regions, particularly in impoverished areas, face high food prices and limited access to nutritious food.

This paper explores the psychological and social impacts of food insecurity, including its role in perpetuating cycles of poverty, social exclusion, and inequality. By examining both the failures and potential of government initiatives this research underscores the need for a coordinated approach involving policy reform, targeted nutritional support, and community-driven programs. Such measures are critical to addressing food insecurity's far-reaching effects, fostering social cohesion, and supporting long-term resilience and well-being in Indian communities.

Keywords

- Food insecurity
- India
- Psychological impact
- Social impact
- Rural and Urban poverty
- Public distribution system
- Global Hunger Index
- Government initiatives

Introduction

Hunger is less a problem of food availability than one of access. Adequate access to food is one of the most basic human rights yet India, despite being one of the world's largest food producers, hosts a quarter of the world's undernourished population, according to the United Nations World Food Programme. As per the 2023 Global Hunger Index, approximately 820 million people worldwide suffer from hunger, with India ranking 111th out of 125 countries, facing a serious level of hunger (Global Hunger Index). Food security and insecurity are pressing issues with wide-ranging implications for human health, economic development, and social stability. Food security is achieved when all individuals consistently have physical, social, and economic access to sufficient, safe, and nutritious food that meets their dietary needs for an active and healthy life. It encompasses six dimensions: availability, access, utilization, stability, agency, and sustainability. In contrast, food insecurity is characterized by the inability to reliably access an adequate amount of nutritious food, posing a significant global challenge. The impact of food insecurity extends beyond immediate health concerns, encompassing severe psychological and social dimensions that demand urgent attention and action. Understanding food insecurity in India requires exploring the diverse factors contributing to this complex problem. This paper provides an analysis of the psychological and social consequences of food insecurity, examines the urgency of addressing this issue, and explores potential strategies to mitigate food insecurity in India.

India has experienced significant economic growth over the past two decades yet this progress has not effectively addressed food insecurity and nutritional challenges. Despite becoming a self-sufficient food producer, India is home to approximately 25% of the world's undernourished population, showcasing a stark disparity between agricultural production and food accessibility. About 21.25% of the population survives on less than $1.90 per day, which significantly limits their ability to access nutritious food. While extreme poverty rates halved between 2011 and 2019, progress has slowed. Despite remarkable growth in food production, from 50 million tonnes in 1950-51 to nearly 300 million tonnes in 2019-20, nutritional outcomes have not improved proportionately (Sidique). The minimum dietary intake per capita has decreased during a period when per capita income tripled (India, wfp). Smallholder farmers, who constitute the backbone of Indian agriculture face significant barriers in accessing resources like land, water, seeds, and technology. This lack of access leads to low agricultural yields and heightened food insecurity, particularly in rural areas. Environmental degradation, including soil erosion, deforestation, and water scarcity threatens agricultural productivity (Singh). Climate change exacerbates these challenges by altering growing seasons and increasing the frequency of extreme weather events further impacting smallholder farmers who are already vulnerable. For instance- farmers in drought-prone regions, such as Maharashtra or Telangana, often face crop failures (Menon). Social inequalities, including gender disparities and discrimination against marginalized communities such as Dalits and tribal groups, intensify food insecurity. These groups often encounter systemic barriers that limit their access to education, healthcare, and employment opportunities (Das). To create a more sustainable and equitable food system in India, it is crucial to address these multifaceted challenges. Prioritizing policies that enhance agricultural productivity, improve access to resources for smallholder farmers, and

tackle social inequalities will be essential steps toward reducing food insecurity across the nation.

Psychological and Social impact of food insecurity

Food insecurity in India extends beyond physical hunger, embedding itself into the mental, emotional, and social fabric of individuals and communities. While government schemes aim to alleviate hunger, gaps in implementation have left many vulnerable groups facing chronic food insecurity which significantly affects their mental health, social interactions, and overall quality of life. This section examines the psychological toll, the strain on family dynamics, the role of social isolation, and the reinforcement of social inequalities.

To begin with, the uncertainty of food access and its insufficiency often leads to profound psychological stress among affected individuals and families. Chronic stress and anxiety become constant for those who face daily hunger with effects compounded by the irregular delivery or quality issues of government programs. For instance, Government programs that aim to alleviate food insecurity often fall short due to technical and systemic issues. The Mid-Day Meal Scheme is designed to provide children in government schools with one nutritious meal daily (Government of India, Ministry of Education). However, frequent issues such as irregular supply chains, poor-quality meals, and reports of contamination have undermined its efficacy. This scheme has not only undermined its effectiveness but also heightened parents' anxiety over their children's nutritional health, consequently many parents lose trust in the program and pull their children out of school, depriving them of both education and nourishment. (Srinivasa Rao Apparasu). Parents whose children rely on such meals may experience anxiety and helplessness as they must rely on potentially unreliable sources to meet their children's dietary needs. Additionally, children from food-insecure homes often face educational challenges as malnutrition affects concentration and cognitive abilities, making it more challenging for them to succeed in school. This lack of educational attainment, in turn, limits future economic opportunities, perpetuating cycles of poverty and reinforcing social divisions within communities. According to the Poshan Tracker (November 2023), 37.51% of children were stunted, 17.43% underweight, and 6% wasted, indicating the scale of chronic malnutrition that not only affects physical health but also contributes to long-term psychological distress and developmental challenges among children and their families (Jaacks et al.). Such severe malnutrition among young children makes them more susceptible to psychological distress, poor educational outcomes, and limited future opportunities. The lack of reliable support systems and resources exacerbates mental health issues, including depression and low self-worth, especially among those unable to break the cycle of food insecurity.

Food insecurity profoundly impacts individuals and families by eroding their dignity and self-worth. Heads of households often grapple with the inability to provide adequate meals, leading to feelings of shame and failure. In urban areas, daily wage earners frequently face inconsistent incomes, forcing parents to skip meals so their children can eat. Witnessing their children suffer from malnutrition fosters guilt and inadequacy, driving many to withdraw from social interactions due to the stigma associated with their struggles (Huang et al.). Moreover, depending on borrowed grains or loans from moneylenders creates a

sense of helplessness. This cycle of inadequacy isolates families, reducing access to potential support systems.

The Public Distribution System (PDS), which distributes subsidized grains like wheat and rice, faces numerous challenges, including corruption, logistical delays, and technological failures. For example, in many states, the digitization of ration cards has resulted in exclusion errors where eligible families are denied access due to faulty biometric verification or data mismatches (Zaidi). Addressing these inefficiencies requires, improving the accuracy of beneficiary identification, and ensuring transparency in schemes, to provide comprehensive aid to vulnerable households.

Failures in schemes like the Antyodaya Anna Yojana (AAY), designed to provide food security to the poorest households, contribute to social disconnection by exacerbating feelings of exclusion and helplessness. The AAY aims to deliver subsidized food grains to those most in need, but its implementation often falls short due to systemic and operational flaws. These gaps not only leave families without critical support but also deepen the social and psychological isolation that food insecurity breeds. One significant issue with the AAY is the exclusion of eligible families due to errors in the identification process. For instance, many impoverished households lack proper documentation, such as ration cards or proof of income, which are prerequisites for accessing the scheme. As a result, families already struggling with severe food insecurity feel further marginalized when they are denied access to a program explicitly designed for their welfare (Myers). This exclusion fosters a sense of betrayal and alienation from the government and community as these families perceive themselves as overlooked or unworthy of support. Failures in schemes like the AAY thus have a cascading effect: they not only leave families in desperate need but also intensify their psychological and social disconnection.

Moreover, failures such as delays in the distribution of food grains or insufficient stock at ration shops aggravate the problem. In some cases, families must travel long distances to access ration centres, only to find that supplies have run out or that favouritism has dictated distribution (Upadhyay and C Palanivel). These experiences not only deprive them of essential resources but also discourage participation in government-led initiatives as they lose trust in systems meant to support them. Further, this distrust erodes social cohesion as individuals withdraw from collective problem-solving efforts or community-driven activities, fearing further disappointment or judgment.

Social isolation is also amplified by the stigma surrounding food insecurity. When families are seen queuing at ration shops or publicly discussing their struggles, they may face judgment from others in their community. These issues require fostering a culture of empathy and inclusion within communities. By rebuilding trust and providing reliable support, it is possible to mitigate the social isolation that accompanies food insecurity and strengthen community bonds.

The long-standing impacts of food insecurity are amplified among India's most marginalized communities, who often face systemic barriers to resources. Inefficiencies in government schemes contribute to widening social inequalities, leaving women, children, tribal groups, and economically disadvantaged communities particularly vulnerable. Food

insecurity exacerbates existing social disparities by creating cycles of poverty that are difficult to escape, as malnourishment and lack of educational or employment opportunities restrict upward mobility.

Call to Action

Addressing food insecurity in India demands a multi-dimensional approach that goes beyond providing basic nutrition, tackling its deep psychological and social impacts. Governments, NGOs, and other stakeholders must work collaboratively to develop policies and initiatives that enhance awareness, improve accessibility, and reduce the stigma associated with food insecurity. Such efforts aim not only to alleviate hunger but also to foster mental well-being, strengthen social cohesion, and build community resilience.

Strengthening existing policies like the Targeted Public Distribution System (TPDS) and the National Nutrition Mission is critical. Integrating mental health and community support services within these programs can address the anxiety, shame and social isolation often experienced by those affected. For instance, incorporating counselling and outreach initiatives at food distribution centres can provide immediate psychological support, reduce stress, and restore dignity. Leveraging social media presents a powerful avenue to raise awareness and combat stigma. Campaigns led by public health organizations, influencers, and social agencies can humanize food insecurity by sharing personal stories and emphasizing its psychological toll. Such initiatives can inspire community solidarity, encourage the formation of peer support networks, and showcase community-driven solutions, fostering empathy and collective action. Furthermore, community engagement is essential in mitigating the social impacts of food insecurity. Establishing spaces like food banks, community gardens, and shared meal programs can provide judgment-free zones where individuals can connect, share resources, and access mental health support. These initiatives help combat social isolation, nurture a sense of belonging, and improve overall well-being.

Cross-sector collaboration between government bodies, NGOs, healthcare providers, and private organizations is, therefore, vital. Coordinated efforts can create comprehensive programs that address not only nutritional needs but also the psychological and social ramifications of food insecurity. By fostering inclusive and compassionate communities, India can move toward sustainable food security that nurtures both physical and mental well-being, strengthening the nation's social fabric and resilience.

Conclusion

Food insecurity in India is not merely a crisis of hunger but a complex issue with profound psychological and social ramifications that extend well beyond the physical need for nourishment. Its impacts permeate every layer of society, affecting individuals' mental health, family dynamics, and broader community interactions. Chronic stress and anxiety stemming from food insecurity contribute to diminished self-esteem and social withdrawal, particularly among vulnerable groups such as children and families. These psychological

burdens perpetuate a cycle that diminishes individuals' capacity to contribute to social and economic development. Addressing food insecurity therefore requires more than ensuring access to basic nutrition; it calls for an integrated approach that acknowledges the emotional and social dimensions of the issue. Solutions must involve collaborative efforts from government bodies, NGOs, and community organizations, aiming to provide a supportive network that reduces social isolation, fosters inclusion, and builds resilience. Programs that emphasize community support, educational awareness, and mental health resources are essential, as they can break the cycle of insecurity and help individuals rebuild their self-esteem and agency.

In the long term, achieving sustainable food security in India hinges on tackling structural barriers, improving policy implementation, and expanding awareness efforts to reshape social attitudes towards nutrition and mental health. This comprehensive approach would not only mitigate hunger but also foster a society that values and supports the holistic well-being of all its members. The journey toward lasting food security is thus one that goes beyond addressing hunger alone, it is a commitment to building a future where every individual has the opportunity to thrive both physically and mentally, ultimately strengthening the social fabric and resilience of the nation.

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About the author

Akshita Sharma is an Economics student at Sophia College for Women, Mumbai. She is deeply interested in literature and films, often finding inspiration in the way stories reflect societal realities. Beyond academics, Akshita enjoys writing poetry and analyzing the connections between economics and culture. She believes that combining analytical thinking with creativity can lead to innovative ways of addressing real-world challenges and hopes to contribute to building a more inclusive and equitable society.