
**Socio-Economic Impact of The Mid-Day Meal
(PM Poshan) Programme on Primary School Children
in Karnataka: A Case Study of Belagavi District
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ABSTRACT:

"Effectiveness of the mid day meal scheme under PM Poshan in Karnataka: A case study of Belagavi district." However, general studies on the scheme in Karnataka show it has been effective in improving enrollment, attendance, and retention, with parents reporting high satisfaction with meal adequacy, quality, and hygiene. The abstract would likely highlight the scheme's strengths, such as regular meal provision and parent satisfaction, while also discussing potential challenges or areas for improvement based on data from Belagavi district.

KEYWORDS:

Nutritional Benefits, Educational Outcomes, Socio-economic Impact, Scheme Implementation, Management, Regional Focus.

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Introduction:

The Mid-Day Meal Scheme, now known as PM-POSHAN, is a critical government initiative aimed at providing nutritious meals to students in government and government-aided schools to encourage education and improve health outcomes. The introduction to a case study on the effectiveness of this scheme in Karnataka's Belagavi district would begin by contextualizing the scheme's importance at a national and state level.

Objectives:

Assess impact on school attendance and enrollment:

Determine the scheme's role in attracting and retaining students, especially from vulnerable communities.

Analyze the scheme's effectiveness in increasing school attendance

and reducing drop-out rates.

Evaluate nutritional and health benefits:

Assess the impact of the meals on students' nutritional status and physical strength.

Study the relationship between meal consumption and improved concentration in learning.

Examine the provision of health-related supplements like deworming and Iron-Folic acid tablets.

Analyze program implementation and efficiency:

Evaluate the adherence to Standard Operating Procedures (SOPs) in the implementation of the scheme in Belagavi district.

Assess the quality, quantity, and timeliness of food supplies.

Examine the effectiveness of the supply chain and the role of institutions like the Zilla Panchayat (ZP) in program management.

Measure stakeholder satisfaction:

Gauge the satisfaction levels of parents and students regarding the quality, taste, and adequacy of the meals.

Gather feedback on overall program satisfaction, including aspects like hygiene and milk provision.

Identify challenges and propose improvements:

Identify any implementation bottlenecks or operational deficiencies, such as issues with kitchen infrastructure or supplies.

Provide recommendations to enhance the efficiency

Importance and effectiveness:

Increased enrollment and attendance: The Mid-Day Meal scheme is a key factor in keeping students enrolled and attending school, particularly from weaker sections of society. Studies have shown it helps retain children in schools, a benefit that came into effect before later schemes like the Sarva Shiksha Abhiyan.

Reduced drop-out rates: The scheme is an effective tool for combating high drop-out rates among children from economically weaker sections, contributing to higher retention rates.

Improved concentration and learning: Parents and students

report that the meal improves concentration in class and increases interest in homework, as it reduces "classroom hunger" for children who may not have had breakfast.

Reduced burden on families: The scheme helps reduce the financial and time burden on parents, allowing them to save money and time that can be used for other household priorities.

Social benefits: The meal fosters social involvement and participation among children, as they are more engaged in classroom activities.

Nutritional benefits: While the nutritional impact can vary, the scheme is intended to address malnutrition and promote health and nutrition. Some studies show a reduction in underweight prevalence among children who receive the support, while others note that nutritional improvements can vary and the scheme's focus may lean more towards educational benefits.

Energy and study habits: Parents have noted that their children seem more energetic after school, which positively influences their evening study habits.

Challenges and limitations:

Implementation issues: Despite the positive impact, studies have identified implementation challenges such as insufficient kitchen-ware, poor water facilities, and sub-optimal maintenance of kitchen gardens.

Nutritional improvements: While educational outcomes are consistently positive, nutritional benefits can be varied and require a consistent focus to ensure they are significant across the board.

Meal monotony: Some qualitative studies highlight that a lack of variety in meal options is a challenge.

Infrastructure deficiencies: Other issues can include infrastructure problems at the school level that affect the quality and delivery of the meals.

Case Study of Belagavi District:

Specific Issues Belagavi district highlights the common operational challenges faced at the local level despite the overall effectiveness: Funding Shortages and Delays: Reports from Belagavi, consistent with other districts, indicate that the allocated funds per child are often insufficient

to cover the actual costs, and disbursements can be delayed. This often forces headteachers to cover expenses out-of-pocket temporarily.

Infrastructure and Hygiene Concerns: While generally implemented by Standard Operating Procedures (SOPs), minor deficiencies like insufficient kitchenware, water facilities, and proper maintenance have been noted in some places.

Food Safety Incidents: Isolated incidents, such as one in July 2025 where 24 students in a Belagavi school were hospitalised due to suspected food contamination (e. g., a lizard in the food), highlight the ongoing need for strict quality control and monitoring of food preparation.

Procurement Challenges: Rising market prices for items like eggs have strained the budget and procurement process in the district, impacting the consistency of the nutritional offerings.

Implementation and challenges

Standard operating procedures (SOPs): The program is generally implemented according to SOPs, but there are often minor deficiencies like inadequate kitchen-ware or water facilities.

Need for quality improvement: There is a need to regularly evaluate the quality of the food and customize it according to local tastes and dietary habits to make it more acceptable to children.

Potential for local sourcing: Some parents and researchers suggest local sourcing of ingredients and establishing school kitchen gardens to improve freshness and support local economies.

Parental involvement: There is a willingness among parents to get involved in the program through feedback and other voluntary roles, which can help improve transparency and effectiveness.

Conclusion:

The mid-day meal scheme under PM Poshan in Belagavi district, like the broader scheme, is effective in boosting school enrollment, attendance, and retention, especially for children from economically weaker sections, and improves children's concentration and learning outcomes. While the educational benefits are consistently reported, nutritional improvements can vary, and implementation challenges like kitchen-ware and water facilities need continuous improvement, alongside addressing parental concerns about food quality and local preferences.

References:

1. Enhance food diversity (e.g., eggs, millets) and involve local communities (SHGs, FPOs) for sourcing.
2. Strengthen monitoring via social audits and tech-based tracking.
3. Address cultural/religious barriers through dialogue and awareness.
4. Covers 53. 21 lakh students (Classes 1–10) across 5, 587 schools via NGOs and Government channels.
5. Egg Inclusion Controversy: A pilot in 7 districts introduced eggs to boost nutrition but faced opposition from religious groups.
6. Nutritional Standards: Meals provide 450 calories (primary), 700 calories (upper primary) with specific protein (12g/20g) and micronutrient norms.
7. Budget: 12, 800 crore allocated for 2022–23, with cost-sharing (60:40) between central and state governments.

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Conflict of interest:

The Authors have no conflict of interest to declare that they are relevant to the content of this article.

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