BARRIERS TO HOME PREPARED MEALS IN FAMILIES WITH ADOLESCENTS IN URBAN UNDERSERVED SETTLEMENTS OF JAFFNA MUNICIPALITY AREA

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ABSTRACT

Sociodemographic barriers limit access to healthy food in underserved communities. This study explored barriers to home-prepared meals among adolescents aged 17-19 years in underserved settlements of the Jaffna Municipality area. Household visits were conducted in 100 homes. including observations of house structures, cooking facilities, and interviews using an interviewer-administered questionnaire. The sample comprised 48% males and 52% females, with families averaging 2.64 (±1.2) children and 1.68 (±0.6) adolescents. Severe overcrowding was identified, with 74% of households sharing a single residence and an average family size of 5.16 (±1.4). A major barrier was inadequate kitchen facilities; 36% lacked chimneys, reducing ventilation and cooking efficiency, while many relied on temporary kitchen setups. Moreover, 76% of households were nuclear families struggling with cooking in crowded conditions. Affordable nearby shops offering rotti and curry led 44% of households to purchase meals daily. These challenges highlight the need for interventions to improve infrastructure and promote healthier eating.

Keywords: Adolescents, Jaffna, underserved settlements, home prepared meals

Introduction

Access to healthy food is essential for maintaining overall well-being, however, in undersercommunities, economic insecurity, physical access limitations and environmental constraints of restrict families' ability to prepare meals at home (Wolfsan et al., 2019). In underserved settlements families often face challenges in assessing home prepared meals such as overcrowded living condition and limited. poor ventilation and limited space for cooking. Infrastructural inadequacies leads to purchase food for outside rather than cooking at home (Muggah et al., 2015).

Adolescence is a multifaceted developmental stage that bridges childhood and adulthood, marked significant biological, psychological, and and stage that bridges childhood and adulthood, marked significant biological, psychological, and social transformations. The description of adolescence variations and cultures leading to disciplines and cultures leading to disciplines and cultures. across disciplines and cultures, leading to diverse definitions and classifications (Sawyer et al., 2018). Adolescence is a key stage characterized by rapid physical growth, hormonal changes, and cognitive development, all of which necessitate in the property of the body development, all of which necessitate increased protein intake to meet the demands of the body metabolic and structural changes (Pfeifer and Berkman, 2018). Adolescents are one of the nutritionall healthy meals and their dietary quality is strongly and their dietary quality and their dietary quality is strongly and their dietary quality and their vulnerable groups and their dietary quality is strongly influenced by the household capacity to prepar

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find the barriers to assess home prepared melas among families with adolescents (17-

obtained from the Ethics Review Committee of Faculty of Medicine, clearance was obtained study was conducted throughout the Jaffna district to find the Jaffna. A cross-sectional study was conducted in Reclamation area of Jaffna of adolescents. The particular study was conducted in Reclamation area of Jaffna a household was chosen at random. Subsequent households were selected linitially, a household was chosen at random. Subsequent households were selected with every fourth house from the right side of the initially chosen house being visited. In a linitially with every fourth house from the right side of the initially chosen house being visited. In the selected and the participant to be interviewed was down their date of birth, prioritizing those with the higher age. Written consent was with the selected participants before proceeding with the interview. Socio-demographic data with through an interviewer-administered questionnaire. Cooking practices and meal selected through an interviewer-administered questionnaire. Cooking practices and meal selected through an interviewer-administered questionnaire. Discussion was carried out servation of kitchen facilities, cooking equipment and fuel sources. Discussion was carried out will adhari, Public Health Midwife and local food shop owners.

and Discussion

ady samples comprise 48% of male and 52% of female participants. On average, each family had (± 1.2) (range 1-6) children, of which approximately 1.68 (± 1.2) (range 1-3) were adolescents, ting a high proportion of youth within the household structure. The adolescent males and females having the mean ages of 18.05 (± 0.2) and 17.82 (± 0.1) years respectively. Majority of the family depended on fishing as their primary source of livelihood underscoring the socioeconomic rabilities of the study population.

reovercrowding was a notable characteristic of the community, with 74% of households sharing a residence with other families. Such shared living arrangements often result in limited privacy, and use of common spaces, and competition for essential facilities such as kitchens and sanitation. The such as a such as kitchens and sanitation. It is everage household had 5.16 (±1.4) (range 2-9) members, and the limited housing space made the retrage household had 5.16 (±1.4) (range 2-9) members, and the limited housing space made the retrage household. This level of crowding not only impacts daily comfort and hygiene but also challenges for preparing and consuming home-cooked meals, potentially influencing dietary and overall family well-being.

Ming. Research from urban slums in Nairobi and other settings indicates that insufficient ventilation dispense of proper kitchen openings significantly increase exposure to fine particulate matter and the indoor pollutants, which are associated with respiratory issues particularly among women and indicate (Muindi et al., 2016). In India Bangalore's urban slums, families have struggled to install indicates that insufficient ventilation and discomfort during in poor ventilation and discomf

Talgements that compromise comfort and functionality (Nayak and D'Souza, 2016).

Tewood was widely used as the primary cooking fuel and its cost posed a significant economic burden the study area In Sri Lanka, firewood remains the dominant cooking fuel with over two-thirds of links study area In Sri Lanka, firewood remains the study area In Sri Lanka, firewood to increased respiratory illness and healthcare utilization, loss thought of the study area in Sri Lanka, firewood to increased respiratory illness and healthcare utilization, loss thought of the study area in Sri Lanka, firewood to increased respiratory illness and healthcare utilization, loss thought of the study area in Sri Lanka, firewood to increased respiratory illness and healthcare utilization, loss thought of the study area in Sri Lanka, firewood to increased respiratory illness and healthcare utilization, loss thanks are study area in Sri Lanka, firewood and higher outpatient and inpatient visits (Pallegedara and loss thought of the study area in Sri Lanka, firewood and higher outpatient and inpatient visits (Pallegedara and loss thought of the study area in Sri Lanka, firewood and higher outpatient and inpatient visits (Pallegedara and loss thought of the study area in Sri Lanka, firewood and higher outpatient and inpatient visits (Pallegedara and loss the study area in Sri Lanka, firewood area in Sri Lanka, fire

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The convenience of nearby shops offering a shift away from home cooking. Studies show ready-made foods can become a more accessible ready-made foods can become a more accessible accessible and the studies show the studies of the studies show the studies of the The convenience of nearby shops offering ready-made foods can become a more accessible option households to purchase meals daily, indicating a shift away from home cooking. Studies show households to purchase meals daily, ready-made foods can become a more accessible option households to purchase environments, ready-made environments, ready-made option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops offering ready-made foods can become a more accessible option to the convenience of nearby shops of the convenience of nearby shops of nearby shops of the convenience of nearby shops of nearby shops of the convenience of nearby shops of nearby shops of the convenience of nearby shops of nearby shops of the convenience of nearby shops of nearby shops of the convenience of nearby shops The convenience of nearby studies daily, indicating a since the convenience of nearby studies and the conven households to purchase means ready-made tools and more accessible households to purchase environments, ready-made tools and households to purchase environments, ready-made tools accessible households to purchase environments, ready-made tools and the resource-constrained environments, ready-made tools and the resource constrained environments are resourced environments. The resource constrained environments are resourced environments and the resource constrained environments are resourced environments. The resource constrained environments are re housened environmental environmental properties and the second properties are second properties. preparing meals in spaces 2022). Purchasing ineals from the property of the preparing meals in spaces along the preparing meals in spaces and property of the preparing meals in spaces and property of the preparing meals in spaces and property of the prop nutritional problems (Ratnayake and Ekanayake, 2012)

Conclusion

The study highlights the barriers to assess home prepared meals accessing home-prepared meals ac The study highlights the barriers to assess notice property of the Jaffna Municipality and adolescents (17-19 years) in underserved settlements of the Jaffna Municipality and the high and the high and the high and the high families with adolescents (17-19 years) in anadequate kitchen facilities, poor ventilation and the high coad of the high coad Overcrowded living conditions, madequate and the high cooking. The affordability of ready-made cooking fuel significantly hinder regular home cooking fuel significantly hinder regular home community, shift dietary practices here. cooking fuel significantly hinder regular hinder ready-made medicooking fuel significantly hinder regular hinder ready-made medicooking fuel significantly hinder regular hinder ready-made medicooking fuel significantly hinder regular hinder regul alongside income-generating root sales threaten the nutritional quality of adolescents' diets and convenience-based options. These factors threaten the nutritional quality of adolescents' diets and convenience-based options. Addressing these challenges will require integrated in convenience-based options. These factors and these challenges will require integrated intervention contribute to public health concerns. Addressing these challenges will require integrated intervention contribute to public health concerns, and infrastructure, promote clean and affordable cooking solutions and contribute to public health concerns. Additional that improve household infrastructure, promote clean and affordable cooking solutions and encourage that improve household infrastructure, promote clean and affordable cooking solutions and encourage through community-based nutrition programs. healthy eating behaviors through community-based nutrition programs.

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