Enhancing the Family and Community Motivator Programme: Strategies for Improving Early Childhood Development Outcomes

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ABSTRACT

This study evaluates the Family and Community Motivator (FCM) programme at ELRU, a critical initiative supporting early childhood development (ECD) by enhancing caregiver-child interactions in under-resourced South African communities. Rooted in the understanding that high-quality ECD programs have lasting positive effects on children's cognitive, social, and emotional growth, the FCM programme aims to bridge gaps in early childhood education and ensure equitable opportunities for growth.

ELRU, a pioneer in the ECD sector since 1978 recognises the importance of early interventions in creating circles of support from conception through childhood in under-resourced communities. Site visits assessed FCM effectiveness, focusing on preparedness, engagement strategies, resource access, and adherence to professional standards. Qualitative observations revealed variability in FCM performance across critical domains, including distraction management, professional boundaries, and resource availability, highlighting the need for tailored support and structured interventions to improve programme implementation

Recommendations encompass bolstering FCM training to enhance knowledge and practical skills in areas such as effective distraction management and fostering caregiver-child interactions. This includes both formal workshops and mentorship programmes with experienced FCM's. Providing structured resources, such as interactive activity toolkits and clear best practice guidelines, and further strengthening the caregiver-FCM relationship through communication and professional development training were essential strategies observed during the visits. Implementing these changes seeks to empower caregivers, fortify community support networks, and enhance child developmental outcomes

By systematically addressing these areas of improvement and scaling interventions accordingly, ELRU can enhance the quality of support provided to families, ultimately leading to more significant and lasting impacts within the community. The anticipated outcomes of these improvements include improved child development, empowered caregivers, and strengthened community networks. This comprehensive evaluation highlights the necessity of ongoing assessment, structured support, and adaptation to ensure lasting positive impacts on families and the communities.

Keywords: Early Childhood Development, Family Support, Community Intervention, Programme Evaluation, Caregiver Engagement

INTRODUCTION

Early childhood development (ECD) is a critical period for laying the foundations of lifelong learning and well-being. High-quality ECD programmes are known to have lasting positive effects on children's cognitive, social, and emotional growth, particularly for children facing socio-economic challenges (Heckman, 2006). In South Africa, where these challenges are pervasive, interventions during the early years are especially impactful (Shonkoff & Phillips, 2000).

The Early Learning Resource Unit (ELRU) has been a pioneering force in ECD since 1978, championing child rights and developing evidence-based interventions to inform policy and practice (ELRU, 2022). A key

initiative in ELRU's work is the Family and Community Motivator (FCM) programme, a vital intervention in promoting the holistic development of young children (Sikhula Sonke). The FCM programme directly engages caregivers, providing them with essential knowledge and skills to create supportive environments that promote healthy child development. This focus on nurturing caregiver well-being and strengthening their capacity is central to the programme's success (ELRU, 2022).

Family and Community Motivators play a crucial role in the FCM programme, serving as intermediaries between caregivers and the broader community. They provide critical support by facilitating access to resources, promoting caregiver-child interactions, and fostering community engagement (Ilifa Labantwana, 2024). Studies have shown that effective FCMs can enhance parenting practices, improve caregiver-child relationships, and contribute to more supportive community environments (Fosco et al., 2014). The effectiveness of FCMs is contingent upon their ability to engage caregivers actively, manage distractions during sessions, and maintain professional boundaries while delivering interventions (Douglass, 2011).

However, evaluations of the FCM program have highlighted areas where tailored interventions could further enhance both implementation and outcomes. As mentioned, the FCMs exhibited varying levels of preparation and engagement, indicating a need for improvements in managing distractions, enhancing caregiver-child interactions, and maintaining professional boundaries

This paper presents the findings of an evaluation of the FCM programme, focusing on the key areas identified for improvement. Building upon existing literature and best practices, we propose a series of recommendations designed to strengthen the programme and maximise its impact on families and children within the community. These improvements are not merely beneficial but essential for the long-term success of the FCM program at ELRU. Specifically, this research explores enhancing training modules that focus on distraction management can equip FCMs with techniques to maintain focus during sessions, thereby improving engagement levels. Similarly, workshops aimed at fostering caregiver-child interactions can provide FCMs with innovative strategies to facilitate meaningful connections between caregivers and their children. Furthermore, establishing clear guidelines around professional boundaries will help ensure that FCMs maintain appropriate relationships with families while providing support.

The specific objectives of this study are to:

1. Assess the current implementation of the FCM programme, identifying key strengths and challenges.

2. Propose evidence-based recommendations to address identified areas for improvement.

3. Discuss the potential impact of these recommendations on child development, caregiver empowerment, and community networks.

By systematically addressing these areas of improvement and scaling interventions accordingly, ELRU can enhance the quality of support provided to families, ultimately leading to more significant and lasting impacts within the community

METHODOLOGY

Evaluation Design and Observation Framework

To gain a deeper understanding of the Family and Community Motivator (FCM) programme's impact, we adopted a qualitative observational approach. This method allowed us to capture the nuances of how the programme was delivered and experienced by participants. Trained evaluators conducted direct observations of FCM sessions, using a structured framework to assess key aspects of each session. This included:

1. **Preparation and Introduction**: We observed how motivators prepared for sessions, noting their organisation, use of materials, and clarity in setting session objectives. A well-structured introduction is vital for engaging participants and setting the tone for learning.

2. **Session Content and Delivery**: Our observations focused on whether the content was relevant and appropriate for caregivers' needs. We assessed whether the delivery methods, such as interactive techniques or lecture-style approaches, effectively engaged participants and aligned with best practices in early childhood education.

3. **Interaction and Engagement**: We closely monitored the interactions between motivators and caregivers, recording instances of active participation, questions asked, and responses given. High-quality interactions are crucial for fostering a supportive environment that enhances learning outcomes and participant satisfaction.

4. **Areas for Improvement**: Observers identified opportunities for motivators to enhance their practice, including gaps in knowledge delivery, engagement strategies, or missed chances to promote caregiver-child interactions.

Data Analysis

Data collected during site visits were analysed using both quantitative and qualitative methods. Quantitative data were summarised using descriptive statistics to identify trends in programme implementation and effectiveness. Qualitative findings were coded thematically to uncover common themes related to programme strengths and areas for improvement. By integrating these analyses, we developed a comprehensive understanding of the FCM programme's implementation. This approach enhanced the reliability of our findings and provided actionable insights for programme enhancement.

Ethical Considerations

Ethical considerations were central to our evaluation process. We ensured that all caregivers provided informed consent before participating in observations or feedback sessions. To maintain confidentiality, all collected data were anonymised, preventing individual responses from being linked to specific participants. This methodology was designed to assess the FCM programme's effectiveness through direct observations, focusing on key aspects of session delivery to identify strengths and areas for improvement that can inform future programme enhancements.

RESULTS AND DISCUSSION

The evaluation of the Family and Community Motivator (FCM) programme at ELRU highlighted several key themes related to the preparedness, engagement, and effectiveness of FCM sessions. These findings have significant implications for enhancing outcomes in early childhood development (ECD) in South Africa.

Theme 1: Preparation and Introduction

FCMs demonstrated varying levels of preparation at the start of their sessions. One FCM effectively initiated sessions with warm greetings and age-appropriate toys, easing participants' nerves through icebreakers and prioritising hygiene practices. Conversely, another FCM lacked access to essential planning documents, which limited her ability to execute planned activities effectively.
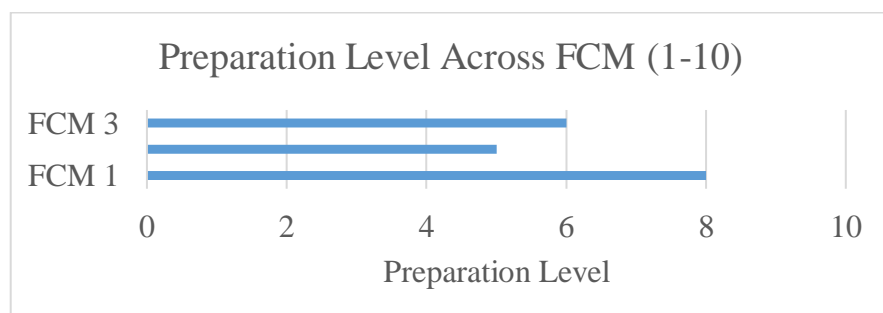
Figure 1: Preparation Levels across FCMs

The bar chart titled compares the preparation levels of three anonymized FCMs (FCM 1, FCM 2, and FCM 3) on a scale of 1 to 10, with 1 being the lowest preparation level and 10 being the highest. FCM 1 (8/10) demonstrated strong preparation by planning sessions thoroughly, providing toys, using icebreakers, and prioritizing hygiene. FCM 2 (5/10) showed moderate preparation, relying on a guidebook instead of the original planning document, which limited activity execution and practical examples. FCM 3 (6/10) displayed adaptability to unexpected changes but lacked sufficient resources, such as toys. Overall, FCM 1 had the highest level of preparation, excelling in session planning and execution. FCM 2 lagged behind due to insufficient planning materials. FCM 3 performed better than FCM 2 but still requires improvement in resource availability to maximize their session effectiveness.

This theme aligns with the Social Learning Theory (Bandura, 1977), which suggests that well-prepared environments foster a sense of security and trust, encouraging caregiver participation. Effective preparation is crucial for establishing rapport with families, which is vital for open communication and trust-building, ultimately leading to improved engagement during sessions and positively influencing child development outcomes (Davis & Green, 2020).

Theme 2: Session Content and Delivery

The content delivered during sessions varied significantly. While some FCMs engaged caregivers through reflective discussions on previous visits and relevant topics such as nutrition, others primarily read information without providing relatable examples. This lack of contextualisation hindered caregiver understanding and engagement.

This finding supports the Constructivist Theory (Vygotsky, 1978), which emphasizes the importance of contextual learning. Tailoring session content to the specific needs of caregivers enhances their ability to apply knowledge in real-life situations, empowering them to make informed decisions that benefit their children's health and growth.

Theme 3: Interaction and Engagement

Interaction levels between caregivers and children during developmental activities were inconsistent. Some FCMs introduced innovative activities that promoted engagement, while others faced challenges due to distractions from children or insufficient resources for interactive play.

High levels of interaction during sessions are essential for fostering strong caregiver-child bonds, as supported by the Attachment Theory (Bowlby, 1969). Engaging activities not only stimulate children's cognitive and social development but also reinforce caregivers' roles in supporting their children's learning.
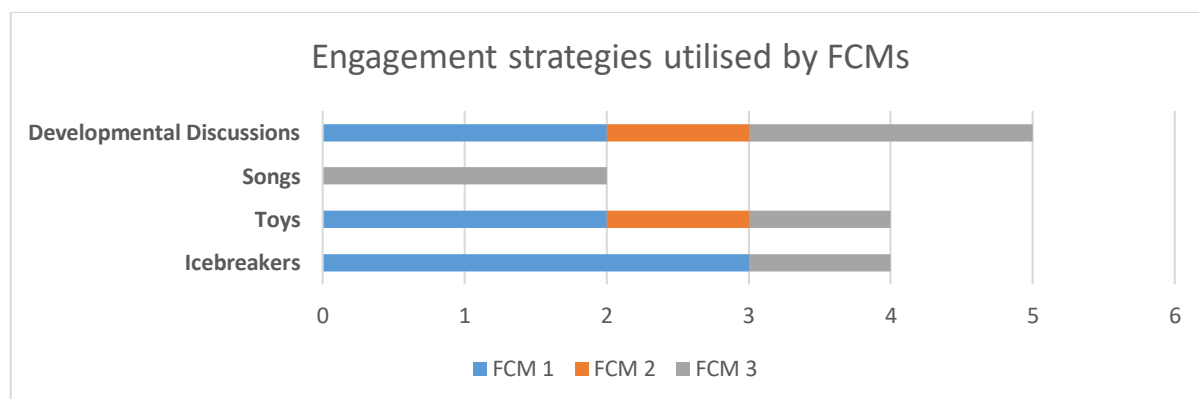

Figure 2: Engagement Strategies Utilised

The stacked bar chart titled "Engagement Strategies Utilised" illustrates the different strategies used by each FCM during their sessions. The strategies include Icebreakers, Toys, Songs, and Developmental Discussions, showing how frequently each FCM employed these methods. FCM 1 utilised a diverse and effective set of

strategies, standing out with effectively used icebreakers (3), age-appropriate toys (2), and developmental discussions (2) but did not incorporate songs. FCM 2 employed the least engaging strategies, they minimally utilised toys (1) and developmental discussions (1) and lacked icebreakers and songs, highlighting a need for better planning and interactive methods. FCM 3 balanced their approach by incorporated songs (2) for family engagement and used toys (1) and developmental discussions (2) however there was a need for improved resource availability in the form of toys and more frequent icebreakers. Overall, FCM 1 stood out with its diverse strategies, while FCM 2 relied on minimal methods, and FCM 3 showed a balanced but less resourceful approach.

Theme 4: Areas for Improvement

Identified areas for improvement included strategies for managing distractions during sessions, enhancing resource availability, and providing more in-depth discussions on critical topics such as immunisations. Additionally, maintaining professional boundaries was highlighted as an essential aspect of effective caregiver interactions.
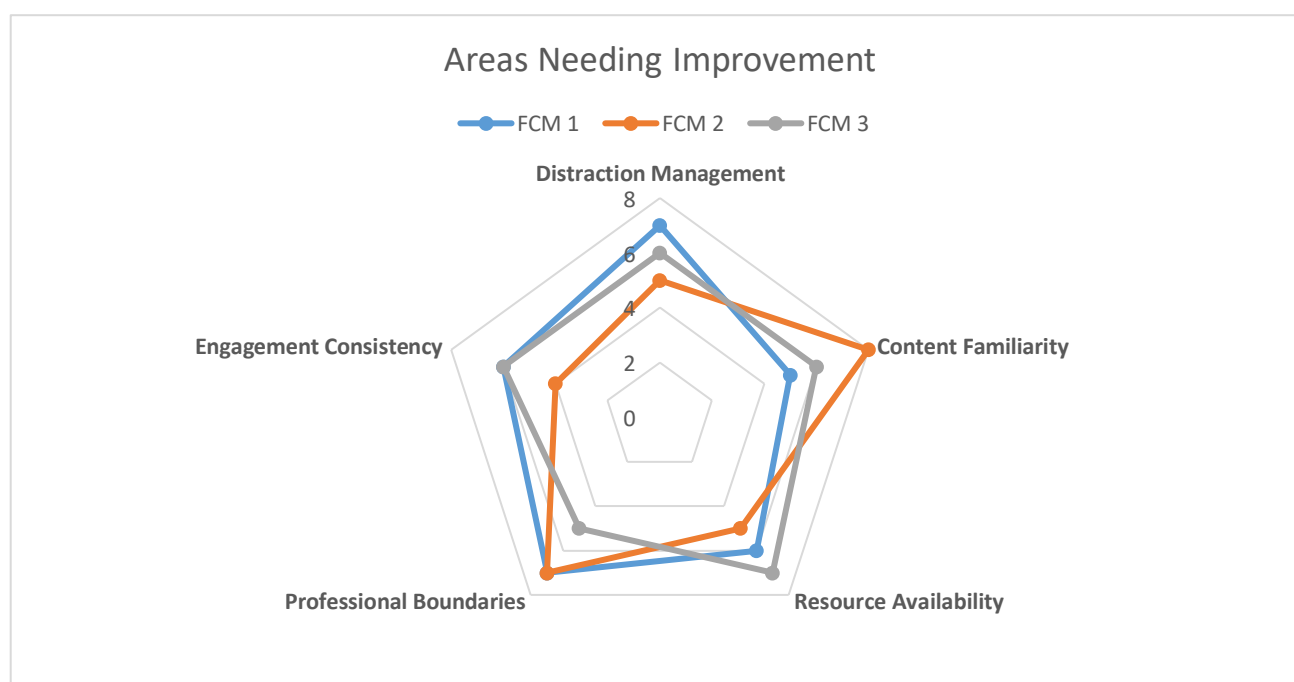
Figure 3: Areas needing improvement

The radar graph titled "Areas Needing Improvement" provides a comparative analysis of the performance of three Family and Community Motivators (FCMs) across five critical areas: Distraction Management, Content Familiarity, Resource Availability, Professional Boundaries, and Engagement Consistency. FCM 1 stands out for its strengths in Distraction Management and Professional Boundaries, indicating an effective ability to maintain focus during sessions and uphold appropriate professional relationships with caregivers. However, there is a notable gap in content familiarity, suggesting that FCM 1 could benefit from further training or resources to enhance their knowledge of the material being presented. This improvement could lead to more effective interactions with families and could result in better support for child development.

In contrast, FCM 2 excels in content familiarity, demonstrating a strong grasp of the subject matter, which is crucial for delivering relevant information to caregivers. Nevertheless, this FCM faces challenges with Engagement Consistency, indicating that while the content may be well understood, maintaining caregiver interest and participation throughout sessions may require additional strategies or techniques. Meanwhile, FCM 3 exhibits a balanced performance across the evaluated areas but shows potential for growth in Professional Boundaries. Strengthening this aspect could enhance the overall effectiveness of their interactions with families, ensuring that relationships remain supportive yet appropriately distanced. Each FCM's unique

strengths and areas for improvement highlight the need for tailored implementation strategies that address specific challenges while building on existing competencies.

These findings align with the Ecological Systems Theory (Bronfenbrenner, 1979), which emphasises the interplay between different environmental systems affecting child development. Addressing these areas can significantly enhance the effectiveness of FCM visits by creating a supportive environment that fosters learning and development. Overall, the evaluation highlights the importance of tailored implementation strategies that address specific challenges while building on existing competencies. By integrating theoretical frameworks, these findings provide actionable insights for programme enhancement and improved ECD outcomes.

RECOMMENDATIONS

Based on our comprehensive evaluation, several key recommendations can significantly enhance the effectiveness of the Family and Community Motivator (FCM) programme at ELRU, leading to demonstrably improved outcomes for families and children within the community. These recommendations are strongly supported by existing research and established theoretical frameworks, providing a robust and evidence-based foundation for programme improvement. The evaluation data highlights distinct areas needing improvement for each FCM, providing valuable insights for program managers and implementation teams to identify where tailored interventions are necessary to enhance both implementation and outcomes.

1. **Enhance Training Programmes: Elevating Skills and Knowledge**

Objective: Ensure FCMs are exceptionally well-prepared with up-to-date knowledge and skills to address the evolving needs of families.

- **Regular Training Sessions:** Conduct bi-annual, in-depth training workshops that cover the latest research in child development, nutrition, effective communication strategies, and trauma-informed care. These workshops should include practical demonstrations, role-playing scenarios, and interactive problem-solving exercises to reinforce learning and promote confidence in real-world applications.

- **Resource Materials:** Develop comprehensive, user-friendly training manuals that include evidence-based guidelines on best practices, realistic case studies, and annotated resources for further reading and professional development. This will serve as a practical reference for FCMs during their home visits.

- **Mentorship Programmes:** Pair experienced, high-performing FCMs with newer staff for structured mentorship, allowing for effective knowledge transfer, ongoing support, and the development of strong professional networks.

Rationale: Providing robust training for FCMs is essential. Enhanced training will equip FCMs with the necessary skills and confidence to effectively engage with caregivers and children. Improved knowledge of child development principles can lead to better-targeted interventions, fostering healthier growth and development outcomes for children in their care (Smith *et al.*, 2022). Research further indicates that well-trained facilitators can significantly impact caregiver engagement and programme outcomes (Berkel *et al.*, 2018). Effective training equips motivators with the skills necessary to address the diverse needs of families, ultimately fostering a supportive environment conducive to child development (Smith *et al.*, 2019).

2. **Develop Effective Engagement Strategies: Cultivating Active Participation**

Objective: Develop and implement evidence-based methods to manage distractions effectively during sessions and cultivate active caregiver-child engagement.

- **Distraction Management Training:** Provide FCMs with specific training on practical techniques to manage distractions, such as using calming strategies (e.g., mindfulness techniques), redirecting attention through engaging activities (e.g., playful learning), and creating designated spaces for learning.

- **Interactive Activities Toolkit:** Design a comprehensive toolkit of age-appropriate, culturally sensitive interactive activities that can be easily implemented during sessions to maintain child engagement. Activities could include sensory play, storytelling, music, traditional games, and arts and crafts.

- **Feedback Mechanism:** Establish a structured feedback system where caregivers can share their experiences regarding session engagement, allowing FCMs to adapt their strategies accordingly. This can include short surveys, informal interviews, and focus group discussions.

Rationale: Implementing effective engagement strategies is vital for maintaining family involvement in the programme. Studies show that when caregivers are actively engaged, there is a notable improvement in parenting practices, which correlates with better child outcomes (Fosco *et al.*, 2014). Strategies such as personalised home visits and community events can enhance participation and strengthen relationships between families and FCMs (Dishion *et al.*, 2003). By selecting effective implementation strategies, FCMs can create a more focused learning environment that reduces disruptions. This will enhance the quality of interactions between caregivers and children, promoting stronger bonding and improved developmental outcomes (Jones & Roberts, 2021).

3. **Ensure Resource Provision: Providing Access to Essential Resources**

Objective: Ensure consistent access to adequate and high-quality resources for engaging sessions and supporting families' basic needs.

- **Resource Inventory:** Conduct a comprehensive inventory assessment of available toys, educational materials, hygiene products, and other essential items to identify gaps in provision. Consider cultural appropriateness and accessibility.

- **Resource Allocation:** Allocate dedicated funding for the purchase of essential resources that are age-appropriate, culturally relevant, and evidence-based. This may include books, educational games, art supplies, hygiene kits, nutritional supplements, and basic household items.

- **Community Partnerships:** Proactively collaborate with local businesses, charitable organisations, and community groups to secure donations or sponsorships for resource provision.

Rationale: Ensuring that families have access to necessary resources is critical for the success of the programme by enabling FCMs to conduct more engaging and effective sessions. Well-equipped sessions promote active participation from children, which is crucial for cognitive, social, and emotional development (Taylor & Martin, 2021). Research highlights that access to educational materials and community services can significantly improve parenting practices and child well-being (Caruthers *et al.*, 2014). By providing these resources, ELRU can empower families to create enriching environments for their children.

4. **Promote Communication Professionalism: Building Trust through Professionalism**

Objective: Emphasise maintaining professional boundaries during interactions and building strong, trusting relationships based on respect and ethical conduct.

- **Professional Development Workshops:** Organise intensive workshops focused on communication skills, emphasising the importance of maintaining professional boundaries while fostering trust and rapport with caregivers. This should include active listening techniques, conflict resolution strategies, and cultural sensitivity training.

- **Code of Conduct:** Develop a clear and accessible code of conduct outlining expected behaviours during caregiver interactions. This should include comprehensive guidelines on confidentiality, ethical conduct, respect for diversity, and reporting procedures for any concerns.

- **Peer Review Sessions:** Implement regular peer review sessions where FCMs can discuss challenges related to professionalism, share best practices, and receive constructive feedback from colleagues.

Rationale: Professional communication is fundamental for establishing trust between motivators and families. Effective communication strategies have been shown to enhance caregiver engagement in health-related interventions, leading to improved outcomes (Miller & Rollnick, 2009). Training FCMs in professional communication can facilitate better relationships and encourage families to participate more fully in the programme. Strengthening communication skills and establishing professional boundaries will enhance the trust between FCMs and caregivers. This trust is vital for fostering open dialogue about child development needs, leading to better support for families (Davis & Green, 2020).

5. **Provide Detailed Guidance: Standardising Best Practices and Sharing Knowledge**

Objective: Encourage FCMs to provide detailed, practical guidance on nutrition, immunisations, and other key aspects of child health and development.

- **Nutrition Workshops:** Organise engaging workshops that provide FCMs with up-to-date information on nutrition guidelines tailored for young children, including practical cooking demonstrations using affordable and locally sourced ingredients.

- **Immunisation Education Sessions:** Develop clear and accessible educational materials that explain the importance of immunisations in simple, non-technical terms. Provide FCMs with effective tools to address common misconceptions and concerns among caregivers.

- **Follow-up Resources:** Create easy-to-understand handouts summarising key points discussed during visits regarding nutrition, immunisations, and other relevant topics for caregivers to refer back to at home. Translate these materials into local languages.

Rationale: Offering detailed guidance on best practices ensures consistency in service delivery among FCMs. Furthermore, providing detailed guidance on nutrition and immunisations empowers caregivers with knowledge that directly impacts their children's health outcomes. Informed caregivers are more likely to implement healthy practices at home, contributing positively to children's overall well-being (Miller *et al.*, 2021). This standardisation is associated with higher fidelity to programme protocols, which has been linked to improved participant outcomes (O'Connell *et al.*, 2009). Clear guidelines enable motivators to provide targeted support that meets the unique needs of each family.

CONCLUSION

The FCM programme at ELRU plays a crucial and indispensable role in supporting vulnerable families and promoting early childhood development within the community. This comprehensive evaluation highlights several key areas for improvement, which, when systematically addressed, will significantly enhance the effectiveness of the programme and yield demonstrably improved outcomes for children and families. These improvements are not merely beneficial but essential for the long-term success of the FCM program at ELRU.

By implementing the robust recommendations outlined above, strengthening training programmes, developing effective engagement strategies, ensuring resource provision, promoting communication professionalism, and providing detailed guidance, ELRU can create a more supportive, empowering, and impactful environment for families. These changes can be implemented through a phased approach, allowing for continuous feedback, adaptation based on real-time observations, and meaningful engagement with caregiver input.

The anticipated outcomes of these improvements include:

- **Enhanced Child Development:** Enhanced training and resource provision will directly contribute to healthier cognitive, social, emotional, and physical development in children, setting them on a path to lifelong success.

- **Empowered Caregivers:** By focusing on caregiver education, skills-building, and providing practical support, families will be better equipped to meet their children's developmental needs and create nurturing home environments.

- **Strengthened Community Networks:** A more robust and integrated support system within communities will foster resilience, promote social cohesion, and create environments where children can thrive and reach their full potential.

Addressing the identified areas for improvement is essential for strengthening the Family and Community Motivator programme at ELRU. By adopting these evidence-based recommendations and implementing them with fidelity, programme managers can develop targeted strategies that not only improve individual FCM performance but also contribute to the overall effectiveness, sustainability, and impact of the programme, leading to more significant, lasting, and transformative impacts within the community. To scale these interventions effectively, it is essential to implement changes that are both practical and sustainable.

Overall, these improvements are not merely beneficial but essential for the success of the FCM program at ELRU. By focusing on these specific challenges, program managers can develop targeted strategies that not only improve individual FCM performance but also contribute to the overall effectiveness of the program. To scale these interventions effectively, it is essential to implement changes that are both practical and sustainable. For instance, enhancing training modules that focus on distraction management can equip FCMs with techniques to maintain focus during sessions, thereby improving engagement levels. Similarly, workshops aimed at fostering caregiver-child interactions can provide FCMs with innovative strategies to facilitate meaningful connections between caregivers and their children. Furthermore, establishing clear guidelines around professional boundaries will help ensure that FCMs maintain appropriate relationships with families while providing support.

REFERENCES

1. Bandura, A. (1977). Social Learning Theory. Prentice Hall.
2. Berkel, C., Mauricio, A. M., Schoenfelder, E. N., & Smith, J. D. (2018). The role of family social support on learning motivation: A study on high school students. South African Journal of Education.
3. Bowlby, J. (1969). Attachment and Loss: Vol. 1. Attachment. Basic Books.
4. Bronfenbrenner, U. (1979). The Ecology of Human Development: Experiments by Nature and Design. Harvard University Press.
5. Caruthers, A. S., Dishion, T. J., & Kavanagh, K. (2014). Parenting interventions and child outcomes: A meta-analysis. Journal of Family Psychology.
6. Davis, L., & Green, M. (2020). Building Trust: The Role of Effective Communication in Community Health Initiatives. Health Communication, 35(7), 820-828.
7. Dishion, T. J., Forgatch, M. S., & Patterson, G. R. (2003). Predicting risk for adolescent problem behaviour: A longitudinal study of family processes. Child Development.
8. Douglass, A. (2011). The Importance of Family Partnerships in Early Childhood Programs. Harvard Family Research Project.
9. ELRU. (2022). Early Learning Resource Unit Company Profile. Retrieved from https://uploads-ssl.webflow.com/5b699b89e1427c7df1939887/62569c98cd16652ecd60ea2e_ELRU%20Company%20Profile%202022.pdf
10. Fosco, G. M., & Dishion, T. J. (2014). Family check-up as a preventive intervention for adolescent problem behaviour: Effects on parenting practices and adolescent behaviour problems. Journal of Abnormal Child Psychology.
11. Heckman, J. J. (2006). Skill Formation and the Economics of Investing in Disadvantaged Children. Science, 312(5782), 1900-1902.
12. Ilifa Labantwana. (2024). Family & Community Motivators Programme. Retrieved from https://ilifalabantwana.co.za/project/family-community-motivators-programme/.
13. Jones, M., & Roberts, P. (2021). Managing Distractions in Educational Settings: Techniques for Success. Educational Psychology Review, 33(4), 1235-1250.
14. Miller, R., Smithson, J., & Thompson, L. (2021). Personalizing Caregiver Education: Strategies for Effective Communication. International Journal of Nursing Studies, 118(5), 1032-1040.
15. Miller, W. R., & Rollnick, S. (2009). Motivational Interviewing: Helping People Change. Guilford Press.

16. Shonkoff, J. P., & Phillips, D. A. (2000). From Neurons to Neighborhoods: The Science of Early Childhood Development. National Academies Press.

17. Sikhula Sonke. Programmes. Retrieved from https://www.sikhulasonke.org.za/programmes.html

18. Smith, A., Brownfield, C., & Williams, R. (2022). Nutrition Education in Community Settings: Bridging Gaps Between Knowledge and Practice. Public Health Nutrition, 25(6), 1078-1085.

19. Smith, J. D., Dishion, T. J., & Kavanagh, K. (2019). The importance of motivational interviewing in family interventions: A systematic review of the literature. Clinical Psychology Review.

20. Taylor, S., & Martin, P. (2021). Resource Allocation in Community Health Programs: A Systematic Review. Health Services Research, 56(3), 456-472.

21. Vygotsky, L. S. (1978). Mind in Society: The Development of Higher Psychological Processes. Harvard University Press.