

DISSEMINATION OF RESULTS AND OTHER OUTPUTS OF OPERATIONS RESEARCH FOR ASTUTE SCALING UP GROWTH: ADDRESSING STUNTING IN TANZANIA EARLY (IN THE UNDER 5S)

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PEER-REVIEWED PUBLICATIONS

Matare CR, Craig HC, Martin SL, Kayanda RA, Chapleau GM, Bezner Kerr R, Dearden KA, Nnally LP and Dickin KL. Barriers and Opportunities for Improved Exclusive Breastfeeding Practices in Tanzania: Household Trials with Mothers and Fathers. *Food and Nutrition Bulletin*, 2019 May.

ORAL SCIENTIFIC CONFERENCE PRESENTATIONS

Owoputi I, Kayanda RA, Bezner Kerr R, Dearden KA, Martin SL, Nnally LP, Dickin KL. He said, she said: Using pile sort methods to explore differences in decision-making and resource allocation for food, agriculture, and other costs among couples in Tanzania. *Annual Agriculture, Nutrition and Health (ANH) Academy Week*, Hyderabad, India, 2019 Jun 24-29.

Martin SL, Matare CR, Kayanda RA, Riggle KR, Owoputi I, Bezner Kerr R, Dearden KA, Nnally LP, Dickin KL. Increasing family support for recommended complementary feeding practices in Tanzania. *Annual Meeting of the Society for Applied Anthropology*, Philadelphia, PA, 2018 Apr 3-7.

Dearden KA, Mulokozi G, Mbaruku G, Mugyabuso J, Linehan M, Torres S, Remes P, Atugonza V, Kezakubi D (2018). How evidence transformed the design of an SBCC intervention to improve nutrition in Tanzania. Oral presentation at the International Social and Behavior Change Communication/Entertainment Education Summit, Nusa Dua, Indonesia.

Dearden KA, Mulokozi G, Dobies KA (2019). Positive Deviance/Hearth: a sustainable, human centered approach to improving children's nutrition in Tanzania. Presented at the annual meeting of the Christian Connections for International Health Conference, Baltimore, MD.

Mulokozi G, Dobies KA, Dearden KA (2019). Ensuring people's empowerment in nutrition through home visits in Tanzania. Presented at the annual meeting of the Christian Connections for International Health Conference, Baltimore, MD.

POSTER PRESENTATIONS

Dickin KL, Chapleau GM, Kazoba A Kayanda RA, McCann J, Frommer M, Lambert V, Martin SL, Nnally LP. Policy vs. practice: Exploring a mentoring approach for building capacity to implement multisectoral nutrition policies in Tanzania. *Nutrition 2019 (American Society for Nutrition Annual Meeting)*, Baltimore, MD, 2019 Jun 8-11.

Matare CR, Craig H, Martin SL, Kayanda RA, Chapleau GM, Bezner Kerr R, Dearden KA, Nnally LP, Dickin KL. Overcoming perceptions of colic and increasing support to improve exclusive breastfeeding practices in Tanzania: Household trials with mothers and fathers. *Nutrition 2018 (American Society for Nutrition Annual Meeting)*, Boston, MA, 2018 Jun 9-12.

Martin SL, Matare CR, Kayanda RA, Owoputi I, Bezner Kerr R, Dearden KA, Nnally LP, Kazoba A, Dickin KL. Recommendations to increase children's dietary diversity and decrease sugary snacks are acceptable and feasible for mothers and fathers in Tanzania. *Nutrition 2018 (American Society for Nutrition Annual Meeting)*, Boston, MA, 2018 Jun 9-12.

SYMPOSIA

Gryboski K, Matare CR, Mukuria A, Martin SL, Palmquist A, Yourkavitch J. Engaging fathers, grandmothers, and other family members in maternal and child nutrition: sharing lessons from development for humanitarian contexts. Symposium at *CORE Group Global Health Practitioner Conference*, Bethesda, MD, 2018 Jun 4-7.

SUBMITTED ABSTRACTS

Owoputi I, Kayanda RA, Bezner Kerr R, Dearden KA, Martin SL, Nnally LP, Dickin KL. Exploring CHW perspectives on successes and challenges of home visiting to promote health and nutrition messages in Tanzania: Gender and targeting. Accepted for *American Public Health Association Annual Meeting*, Philadelphia, PA, 2019 Nov 2-6.



Dickin KL, Klemm GC, Kazoba A, Kayanda RA, McCann J, Nnally LP. Exploring Mentoring as a Novel Strategy to Support implementation of National Nutrition Policies through Multi-sectoral Coordination in Tanzania. Submitted to *Qualitative Evaluation (QE) Symposium*, Brasilia, Brazil, 2019 Oct 9-11.

Kayanda RA, Klemm GC, Kazoba A, McCann J, Nnally LP, Dickin KL. Multi-sectoral "Action Teams" Help District Officers Implement Nutrition Policies and Strengthen Coordination Across Sectors for Nutrition in Tanzania. Accepted for *Federation of African Nutrition Societies (FANUS)*, Kigali, Rwanda, 2019 Aug 26-29.

Kayanda RA, Matare CR, Craig HC, Rosenthal HE, Martin SL, Nnally LP, Dearden KA, Dicken KL. Recipe trials: A participatory approach to understanding accessibility, attitudes and norms towards foods to improve complementary feeding in Tanzania. Accepted for *Federation of African Nutrition Societies (FANUS)*, Kigali, Rwanda, 2019 Aug 26-29.

Matare CR, et al. Engaging men for improved breastfeeding and complementary feeding behaviors in Tanzanian households with children under the age of 2 years. *Interagency Gender Working Group (IGWG) Plenary: Gender in a Changing World: New Opportunities, New Challenges*, Washington D.C., 2019 May 29.

SUBMITTED ORAL AND POSTER PRESENTATIONS

Owoputi I, Kayanda RA, Bezner Kerr R, Dearden KA, Martin SL, Nnally LP, Dickin KL (2019). Exploring CHW perspectives on successes and challenges of home visiting to promote health and nutrition messages in Tanzania: Gender and targeting. Submitted to Nutrition 2019 (American Society for Nutrition Annual Meeting), Boston, MA.

Dickin KL, Chapleau GM, Kazoba A, Kayanda RA, McCann J, Frommer M, Lambert V, L. Martin SL, Nnally LP (2019). Policy vs. practice: exploring a mentoring approach for building capacity to implement multisectoral nutrition policies in Tanzania. Submitted to Nutrition 2019 (American Society for Nutrition Annual Meeting), Boston, MA.

Crookston BT, Hall PC, West JH, Torres S, Linehan M, Hoj TH, Smith R, Niedfeldt H, Sever T, Powell E, Mulokozi G. Role of men and women during pregnancy: the perceptions of Tanzanian males and females. Submitted to American Public Health Association Annual Meeting, Philadelphia, PA.

MANUSCRIPTS IN PROGRESS

Martin S, et al. Household Trials of Improved Practices (TIPs) on barriers and facilitators to improved complementary (CF) practices. (in progress)

Craig H, et al. "Because of the *mchango* problem, I give my baby gripe water so he sleeps and stops crying": Exclusive breastfeeding recommendations need to address parents' concerns of colic-like symptoms of *mchango* in infants 0-6 months in Lake Zone, Tanzania. (in progress)

Kayanda RA, et al. Recipe trials for complementary feeding for infants 6 to 24 months in Lake Zone, Tanzania. (in progress)

SUBMITTED MANUSCRIPTS

Hall PC, Alexander C, Shrestha S, Tounkara M, Cooper S, Hunt L, Hoj T, Dearden KA, West JH, Kezakubi D, Atugonza V, Crookston BT. Media access is associated with knowledge of optimal water, sanitation, and hygiene practices in Tanzania. *International Journal of Environmental Research and Public Health*.

Sever TE; Smith R; Niedfeldt HJ; Davis EA, Mulokozi G, Torres S; Linehan M, Dobies KA, Hoj TH, West JH, Hall PC, Crookston BT. The role of men during pregnancy: a cross-sectional study of perceptions and beliefs of primary caregivers in Tanzania. *BMC Pregnancy and Childbirth*.

Verdeja M, Thomas K, Dorsan G, Hawks M, Dearden KA, Stroupe N, Hoj TH, West JH, Crookston BT, Kezakubi D, Atugonza V, PC Hall. Water, sanitation, and hygiene factors associated with child illness in Tanzania.

Moxley V, Graul MF, Stoneking N, Hale C, Torres S, Linehan M, Dobies KA, Mulokozi G, Hoj TH, Crookston BT, Hall PC, West JH. Early Childhood Nutrition Knowledge of Caregivers in Tanzania

Manzione LC, Kriser H, Gamboa EG, Hanson CM, Linehan M, Mulokozi G, Mwaipape O, Hoj T, West JH, Hall PC, Crookston BT. Maternal Employment Status and Minimum Meal Frequency in Children 6-23 Months in Tanzania.

PROGRAMMATIC PRODUCTS

(for Government and Program Personnel)

CHW Dialogue Training Guides on Exclusive Breastfeeding and Complementary Feeding. [Training Guides](#), Prepared for IMA World Health, 2018 Dec.

Cornell drafted these guides based on key findings from the Trials of Improved Practices (TIPs) studies on exclusive breastfeeding (EBF) and complementary feeding (CF). Guides target CHW supervisors to help use findings from ASTUTE's research to support effective counseling. The steps in the guide will help CHWs as they discuss and recommend home-based practices people can try to improved nutrition of their children.

Scaling Up Growth: Addressing Stunting in Tanzania Early (in the under 5s). [Operations Research Update](#), Prepared for Department of International Development (DFID), 2018 June.

Cornell wrote this summary that was circulated during DFID's annual review meeting of IMA World Health's ASTUTE Programme activities. The summary included the objective, methods, and key findings to date for each phase of the Operations Research: TIPs on Exclusive Breastfeeding, TIPs on Complementary Feeding, Building MSN Capacity, and Implementation Research.

Operations Research Input on ASTUTE SBCC Messages. [Report](#), Prepared for IMA World Health, 2018 May 17.

Report details messages that were developed based on the TIPs studies that asked parents to try new practices related to EBF and CF. We found parents appreciated more detailed information to understand what it really means for example to "give only mother's milk". This report provides suggested nuances to messages and draws on research findings to support current IMA messaging around key nutrition behaviors.

Learning Exchange Workshop to Promote Multisectoral Nutrition Capacity in Councils. [Workshop Report](#), Adden Palace Hotel, Ilemela MC, Mwanza, 2018 Feb 7-8. Prepared for IMA World Health, ASTUTE Nutrition Officers, and RNUOs.

Report includes key discussion topics and learnings of the workshop. It draws on presentations and subsequent discussions, key points and individuals' notes from break out groups, information collected on flip charts, as well as participant responses to a workshop evaluation.

Learning Exchange Workshop to Promote Multisectoral Nutrition Capacity in Councils. [Workshop Toolkit](#), Adden Palace Hotel, Ilemela MC, Mwanza, 2018 Feb 7-8. Prepared for IMA World Health, ASTUTE Nutrition Officers, and RNUOs.

Toolkit shared with RNUOs to help guide them to mentor Council MSN Action Teams. Toolkit provides helpful tips and templates as well as considerations for starting project activities and supporting approaches to building MSN in councils as discussed at the workshop. By providing tailored support, expertise, and advice to this team, RNUOs will help build on existing knowledge of the best practices for promoting multisectoral collaboration for nutrition.

Operations Research on Addressing Stunting in Tanzania Early (ASTUTE): Strengthening Multi-Sectoral Nutrition Capacities among Council Officers. [Operations Research Brief](#), 2017 Dec.

Brief provides an overview of the MSN Capacity Building study. Researchers circulated to key stakeholders and partners in study sites to inform them of study objectives, upcoming activities, and key research contacts.

Scaling Up Growth: ASTUTE: Addressing Stunting in Tanzania Early. [Operations Research Brief](#), 2015.

Brief provides an overview of the three phases of Operations Research: TIPs, MSN Capacity Building, and Implementation Assessment. Researchers circulated to key stakeholders and partners in study sites to inform them of OR objectives, an overview of each study phase, and key research contacts.

PROGRAMMATIC PRESENTATIONS

(for Government and Program Personnel)

Kayanda RA, Nnally LP. Mtoto Mwerevu Operations Research: Progress, Results, and Implications for Stunting Prevention. Presentation to *Tanzania Food and Nutrition Centre (TFNC)*, Dar es Salaam, Tanzania, 2018 Aug 8.

Presentation of OR findings delivered to TFNC at the NIMR Conference Hall in Dar es Salaam. There were sixteen attendees at the meeting including twelve individuals from TFNC and one from DFID.

Kayanda RA. District-level reports on research progress.

Reports drafted by Rosemary Kayanda with input from IMA and Cornell colleagues outlining the progress of the trials for improved practices (TIPs) and the recipe trials programs were circulated to RMOs in all study sites. Kayanda additionally shared slides for presenting TIPs findings at the request of the RMO Kagera who presented OR findings to the Regional Health Management Team and other key nutrition stakeholders.

TRAINING MANUALS AND CURRICULA

Tanzania Food and Nutrition Centre in collaboration with Cornell University and the Building Strong Nutrition Systems (BSNS) Project. Building A Strong Nutrition System Across Sectors: A manual for strengthening district capacity to improve multi-sectoral nutrition planning and action. Dar es Salaam, Tanzania, 2018 April.

Cornell developed this manual in collaboration with TFNC for the BSNS project. BSNS project findings informed the methods used in the OR Multisectoral Nutrition Capacity Building study. TFNC printed and mailed hard copy manuals to every RNUO in ASTUTE regions as guidance for mentoring council multisectoral nutrition action teams.

ADDITIONAL FUNDING OBTAINED

(to Support Research and Dissemination Activities)

Division of Nutritional Sciences (DNS) Travel Grant,
Cornell University, (2018)

Einaudi Graduate Travel Grant, Cornell University, (2019)

Engaged Cornell, Cornell University, (2019-2020)