Assessing infant and young child feeding priorities to inform the development of a nutrition social and behaviour change communication (SBCC) strategy during a pandemic threat

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Introduction

Global estimates identify 47 million children under 5 being wasted in 2019, of whom 14.3 million were severely wasted with 144 million being stunted. Around 45% of deaths among children under 5 years of age are linked to undernutrition, which mostly occurs in low- and middle-income countries (LMICs). Child stunting and other forms of malnutrition are associated with lower dietary diversity, with food insecurity and poor household food choices contributing to the lack in meeting children’s nutrient requirements. Additionally, malnutrition is seen to occur predominantly in regional hotspots where there is limited access to high-quality foods, poor vegetation cover and low rainfall or drought. UNICEF reports that in nearly every part of the world families face economic, political, market, social or cultural barriers to providing nutritious, safe, affordable and sustainable diets to young children. Socioeconomic determinants in many countries play a significant role in food insecurity and diversity of food choices, which lead to childhood and maternal malnutrition.

The Southern African Development Community (SADC) is a regional economic development community comprising 16 member states in the southern African and Indian Ocean region. These are Angola, Botswana, Comoros, Democratic Republic of Congo, Eswatini, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, United Republic of Tanzania, Zambia and Zimbabwe. SADC’s overall goal is to promote and achieve equitable and sustainable development through increased regional integration. The 16 SADC member states in the southern African region are also seen as having a responsibility to support nutritional initiatives given the multi-layered influences that impact on food choices, with government policies, priorities and assistance programmes operating at an individual level, while sociocultural, community, environmental, agricultural, industry and market influences are also seen as impacting on healthier nutritional behaviours. These challenges are exacerbated in humanitarian situations in the poorest and most fragile economies where access to nutritious food, clean drinking water and good quality health...
services is limited, and the resources and capacities of caregivers are already stretched.

Young children and their caregivers in the region are seen to be increasingly exposed to foods of low nutritive value, including commercial complementary foods and processed foods high in added sugar, salt and saturated fats and trans fats, due to their low cost, ubiquity and the ease of feeding to young children. Thus, the developmental, economic, social and health impacts of the burden of malnutrition are serious, with acute malnutrition remaining stubbornly high across the region with rates of 2–8.1%. With the added impact of COVID-19, acute malnutrition—stunting, wasting or overweight—across the region was predicted to increase by 25% or more by 2021.

Given the considerable challenges, SADC, with funding from European Union and support of the Global Alliance for Improved Nutrition (GAIN) and UNICEF, is developing a Social and Behavioural Change Communication (SBCC) Strategy for Improved Infant and Young Child Feeding (IYCF). SBCC for nutrition is a set of interventions that systematically combines elements of interpersonal communication (IPC), social change and community mobilisation activities, mass media and advocacy to support individuals, families, communities, institutions and countries in adopting and maintaining high-impact nutrition-specific and nutrition-sensitive behaviours or practices. A standardised discussion agenda was developed to address key issues identified from the literature review with a number of items derived for the discussions emanating from the pre-determined key issues. Cognitive interviews were arranged through online conference calls with respondents participating at various times from locations in Sydney, Australia; Gaborone, Botswana; Philadelphia, USA; and Geneva, Switzerland.

The methodological guidelines for the needs assessment included selection of Tier 1–2 SADC countries identified by their current capacity to implement nutrition programmes addressing IYCF and those that had conducted landscape analysis on complementary feeding. Nutrition representatives were interviewed on their needs and wants from the seven member states of Botswana, Malawi, Mozambique, South Africa, Tanzania, Zambia and Zimbabwe.

A standardised discussion agenda was developed to address key issues identified from the literature review with a number of items derived for the discussions emanating from the pre-determined classical and novel behavioural theories. These included constructs to identify problem behaviours and build risk perceptions to set the programme agenda and support the need to address malnutrition, while accepting that in vulnerable groups risk appraisal may be weighed against coping appraisals before making adaptive or maladaptive responses. Beneficiary capability was also considered, emphasising the importance of modelling desired behaviours, while accounting for existing social norms, and building self-efficacy—skills, confidence and perceived behavioural control, which are key drivers in influencing attitudes and intentions toward nutrition behaviours. Other considerations included the importance of identifying opinion leaders and key influencers for the diffusion of IYCF nutrition innovations and adoption of practices by other community members that may challenge existing cultural or social norms. Additionally, identification of where most participants may be located on the behaviour change continuum was a consideration. This is based on the understanding that change often takes time, and people may go through a number of ‘stages-of-change’ before eventually changing previously entrenched behaviours. Last was an investigation of factors related to motivating and mobilising participants and communities, acknowledging the added value to SBCC initiatives in providing positive incentives to motivate or ‘nudge’ participants toward the desired changes.

Given the challenges in developing an SBCC strategy during a pandemic lockdown, the potential for quantitative data to support qualitative approaches was explored. An online survey tool was developed: the Southern African Development Community (SADC) Infant and Young Child Feeding (IYCF) Media Audit for a SBCC strategy, to provide more specific empirical findings on SBCC strategy implementation, evaluation and advocacy approaches.

The online survey tool, which was reviewed for ethics clearance by SADC/GAIN management prior to administration, contained 32 items including the stakeholder title and organisation, their country of operation, the scale, number and nature of existing IYCF programmes and materials developed, M&E frameworks, programme partners, and attitudes and opinions regarding their country priority for IYCF nutrition programmes and HR capacity and funding expectations. Other items with five-point scales examined opportunities for provision of easily adaptable SBCC campaign resources and online tools available through a web portal to achieve greater economies of scale and engagement in SBCC approaches. Finally, a media audit requested links to existing resources and inclusion on a future mailing list for advocacy of approaches.

Study participants
Participants for the SSIs included 17 nutrition stakeholders, consultants and representative from international NGOs, civil society and the private sector in the region, while 61 participants from 11 SADC member states responded to the online survey, with an additional 2 participants from other African countries—Kenya and Uganda—also responding to the online survey.

Data collection
The study tools and instruments were designed to provide a consistent range of indicators to inform the SBCC strategy design. Discussion agendas for stakeholders and beneficiaries were designed to elicit responses to a number of key performance indicators, including awareness of existing programmes, knowledge and attitudes towards diet, physical activity and chronic diseases, perceptions of body image and food consumption patterns, motivation, capability, perceptions, intentions and behaviours. As well as assessing the behavioural determinants of malnutrition, exploration was also conducted of social determinants related to income, access to services and media channels. All groups were conducted in the
Assessing infant and young child feeding priorities to inform the development of a nutrition Social and Behaviour Change Communication

English language. In instances where participants’ predominant language was French or Portuguese, the calls were supported with translators provided by the SADC member state’s nutrition stakeholders.

Field notes of stakeholder interviews were compiled in single-spaced Word-format transcripts (IBM Corp, Armonk, NY, USA) using a question-by-question format to capture accurately what respondents had to say regarding each topic. Although recordings of interviews were made using digital online conferencing tools, the approach to compiling the dataset was in line with RAR approaches designed to accumulate evidence rapidly in resource-constrained settings, where mission times may be short or there may be other challenges. As such, given adequate moderation and typing skills, transcripts of each interview were usually completed by the conclusion of the interview. In cases where there was some ambiguity on what was said during data cleaning, missed information was inserted following review of the audio recordings. Secondary sources reviewed to supplement the fieldwork included a number of National and Regional NCD strategy documents and landmark reports from the predominant donors UNICEF, GAIN, the World Bank and the WHO. International peer-reviewed literature and UN reports were also reviewed as were predominant behavioural theories to support the design of the formative research instruments, tools and creative approaches.

Analysis
The analysis was conducted in two iterative stages to build theory from the data. An examination of SSIs with key informants was first conducted to explore patterns identified across individual and group cases. Much of the investigative approach has emanated from ‘Grounded Theory’, where constant comparative methods are used to define and separate themes through continuous reading of the raw data in a systematic way from the perspective of those experiencing the phenomena. The within-case analysis involved identifying and summarising key issues emanating from discussions across stakeholder and beneficiary cases, while the second step involved individually analysing responses from each of the cases. Notes on the key issues and cases were then compiled, followed by cross-case analysis. Qualitative findings (n = 17) were triangulated with quantitative findings from the online survey (n = 63) and secondary data sources to provide a comprehensive overview of knowledge, attitudes and beliefs regarding SBCC strategic approaches in SADC, to better inform the design and evaluation of strategy.

Results
The literature identifies that along with inadequate care and feeding practices, household food insecurity, unhealthy household environments and inadequate health services are all behaviour-related problems with the need for more rigorous formative research to understand the optimal dietary patterns to tackle the challenges of maternal health, child development, infection risk and non-communicable diseases.

In terms of identifying regional priorities, the SADC 16-member state profiles identify considerable variance in country development status, culture—72 language groups were identified across the region—differences in literacy, educational attainment, GDP income and growth factors. Five SADC member states are identified as upper middle-income countries, i.e. Botswana, Mauritius, Namibia, Seychelles, South Africa, while another six are designated as lower-middle income countries, i.e. Angola, Eswatini, Lesotho, United Republic of Tanzania, Zambia and Zimbabwe. Five SADC member states, i.e. Comoros, Democratic Republic of Congo, Madagascar, Malawi and Mozambique, are designated as having low-income status. The variance in development indicators and IYCF country risk profiles also confirms the considerable differences (> 20% variance) in stunting prevalence between the lowest and highest income countries where children are not growing well. Recent SADC country data identify a high prevalence of stunting in children (22–29%) occurring in Namibia, Zimbabwe, Eswatini, South Africa and Botswana, with very high stunting prevalence (31–43%) in Comoros, United Republic of Tanzania, Lesotho, Zambia, Angola, Malawi, Mozambique and Democratic Republic of Congo (see Figure 1), with wasting prevalence in the region ranging from 2% to 7%.

GAIN reviews on access to complementary foods in a number of regional country settings have also identified considerable differences in dietary nutrient gaps among children aged 6–23 months and priority affordable complementary foods to meet dietary nutrient gaps. The dietary recommendations also often differ by country settings, such as: Mozambique (eggs), Zambia (dairy), South Africa (highly fortified maize porridge), and Tanzania (poultry). The foods selected in each country meet at least one important nutrient gap and their promotion aligns with government priorities and local preferences. Minimum Dietary Diversity (MDD) is another regional indicator demonstrating the considerable disparities in country capacity to meet the dietary needs of children. Furthermore, relatively few children in SADC member states aged 6–23 months eat at least 5 of 8 food groups to achieve MDD, with low-MDD countries (17–18%) including Lesotho and Zambia, mid-range MDD regional countries (21–28%) including Tanzania, Namibia, Lesotho and Malawi, while countries with greater dietary diversity (29–48%) include Angola, South Africa and Eswatini.

The literature also points to a number of other behaviour-related, institutional, technical capacity and cultural challenges as well as identifying behaviours that can improve nutrition outcomes. Behavioural factors for SBCC include the complex range of IYCF recommendations related to breastfeeding, complementary feeding, infant feeding in the context of HIV/AIDS and feeding children with special needs. Coupled with the scarcity of resources to incentivize women and their family members to actively engage in the SBCC programmes, these impediments will require highly creative and innovative solutions to achieve the project aims and behavioural objectives within a regional strategy design.

Covid-19
Covid-19 is not the first, nor will it be the last pandemic to ravage Africa and other regions of the world. SADC member states have suffered and continue to battle with serious pandemic threats and country epidemics of HIV/AIDS, drug-resistant TB and malaria, which are all major contributors to nutrition-related comorbidities. The evidence to date indicates that Covid-19 and other epidemics will also significantly hamper any nutritional gains made in the past decade through job and income loss, in populations most at risk of malnutrition. Challenges are exacerbated by the redirection of critical health and infrastructure resources from priority health areas...
SADC member states. The majority came from the United States have responded to the survey with 61 participants from 11 workplaces, and improved regional integration (see Table 2).

Policy development to support parent-friendly hospitals and centres for SBCC to lead to improved early detection for wasting, undernutrition, the rapidly emerging burden of overnutrition and overweight, and financial resource capacity challenges to implement and evaluate SBCC campaigns at scale (see Table 1).

Opportunities for the SBCC strategy were also identified by member state nutrition stakeholders. These included opportunities for SBCC to lead to improved early detection for wasting, better meeting IYCF nutritional needs from locally sourced, inexpensive nutrient-dense foods, training and capacity building of front-line field staff and other stakeholders, which could be engaged in the process, the inclusion of men in SBCC activities, given their role in supporting better IYCF behaviours, effective policy development to support parent-friendly hospitals and workplaces, and improved regional integration (see Table 2).

Findings from the quantitative survey identified that 63 participants had responded to the survey with 61 participants from 11 SADC member states. The majority came from the United Republic of Tanzania (32.69%; n = 17); while Mozambique (25.00%; n = 13), South Africa (13.46%; n = 7) and Madagascar (13.46%; n = 7), also attracted a moderate number of participants. Malawi (7.69%; n = 4); Zambia (7.69%; n = 4); Zimbabwe (7.69%; n = 4); Lesotho (3.85%; n = 2), Botswana (1.92%; n = 1), Comoros (1.92%; n = 1) and the Seychelles (1.92%; n = 1) attracted four or fewer participants, while other African country representatives from Kenya and Uganda (3.85%; n = 2) also participated in the online survey.

Of the participants who provided their organisation details, the majority of participants represented government agencies (34.55%; n = 19), while other participants including UN agencies (29.09%; n = 16), international NGOs (18.18%; n = 10), university or other academic institution representatives (12.73%; n = 7), national NGO or civil society organisations (5.45%; n = 3). One private sector organisation (Creative or Media Agency) representative also participated. Most of the participants identified that their country already had a nutrition strategy that included IYCF (54.72%; n = 29) and media materials or had implemented behaviour change programmes for IYCF in the past 3 years (84.31%; n = 43), with a broad range of themes covered including Breastfeeding (97.67%; n = 42); Early introduction of Breastfeeding First Hour (81.40%, n = 35); Exclusive Breastfeeding 0–5 Months (93.02%; n = 40); Continued Breastfeeding through 2 Years (90.70%; n = 39); Complementary Feeding (93.02%; n = 40); Introducing Food at 6 Months (90.70%; n = 39); and Diversified Diets (at least 5 Food Groups/Day—86.05%; n = 37). SBCC resources for IYCF mainly focused on Community Health Workers/Mother’s Groups or Other

Behavioural challenges and opportunities
The needs assessment and literature review identified a number of SBCC programme milestones and achievements, but also ongoing challenges and opportunities for continuous improvement of the strategy and regional synergies. Programme challenges included the additional demands on health systems and human resources from pandemic threats such as Covid-19, poor attitudes and beliefs toward IYCF behaviours by some programme beneficiaries, additional challenges from the burden of undernutrition, the rapidly emerging burden of overnutrition and overweight, and financial resource capacity challenges to implement and evaluate SBCC campaigns at scale (see Table 1).

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**Figure 1:** SADC member state stunting rates: Very Low < 2.5%; Low 2.5 < 10%; Medium 10% < 20%; High 20% < 30%; Very High ≥ 30%. Data provided courtesy of SADC Synthesis Report on the State of Food and Nutrition Security in the Region.

**Table 1:** Nutrition strategy challenges identified from stakeholder feedback

| Nutrition strategy challenges |  |
|------------------------------|--|
| **Covid-19 Pandemic Threat:** |  |
| ‘The statistics now with Covid will definitely go up. We have not done a nutrition specific study but when we have done these we are assuming when people have lost jobs that problems will come from this.’ (Nutrition Supply Chain and Data Management, Ministry of Health, Zambia)  |
| **Health Service Capacity:** |  |
| ‘Other reasons for the health facilities is the long waiting times; they can arrive at 6 o’clock in the morning they can wait for 3–4 h to be attended. For one health facility there is only one attendant for more than 100 mothers and many of these are not well trained in terms of communication with the patient. He doesn’t talk to the patient; he just gives them medicine and then sends them home.’ (Focal Point of Food Fortification MoH, Ministry of Health, Mozambique)  |
| **Poor Attitudes and Beliefs:** |  |
| ‘Exclusive breastfeeding is still a major concern. Some of the issues are related to traditional or religious beliefs.’ (Nutrition Advocacy and Communication Officer, MOH, Zimbabwe)  |
Table 2: Nutrition strategy opportunities identified from stakeholder feedback

| Nutrition Strategy Opportunities                          |
|-----------------------------------------------------------|
| Improved Detection:                                       |
| ‘Another thing gaining momentum is on how to identify children with malnutrition as we still have mothers who will delay seeking care; they will wait until the child is deteriorating. It could be the arm circumference, look for an oedema without needing a long explanation; it’s easy to see.’ (Deputy Director, Directorate of Child, Youth and School Health, DoH, South Africa) |
| Meeting Nutritional Needs:                                |
| ‘The promotion of animal sourced foods—milk, eggs, beef, small fish and the like: To plan it for a week—2 eggs, 2 glasses of milk and at least two episodes of beef or sardines or small fish.’ (Consultant to MoH/MoE and Nutrition Donors, Tanzania) |
| Training/Capacity Building:                               |
| ‘If we can train these healers to look for oedemas they can also refer the patients to the health centres. When we did the training they were so committed to this and that partnership is something that we need to tap into, so we need to look outside of health so they can identify sick children.’ (Assistant Director, Directorate Child Youth and School Health, DoH, South Africa) |
| Gender Determinants:                                      |
| ‘The men also have big roles in which foods the mother can give to their family. They decide which animal they can kill, which vegetables they will cook. When the woman cooks, the father looks on and tells which portion is for me and which is for the child.’ (SBCC Focal Point, Ministry of Health, Mozambique) |
| Policy Development:                                       |
| ‘We have come up with a strategy to promote maternity protection initiatives: Workplace-based lactation support programmes and parent friendly workplaces. 5–7 companies have now adopted this and installed a lactation room within the workplace to inbuild these lactation initiatives, and the legislation is now in parliament with provisions for these Parent Friendly Workplaces.’ (Nutrition Advocacy and Communication Officer, MoH, Zimbabwe) |
| Regional Integration:                                     |
| ‘The countries are different, but when it comes to nutrition I think there is very limited engagement as I have not seen any platforms where member states can do this. So, I am looking at a movement within the region, where the countries should be accountable.’ (Director for Nutrition, Ministry of Health-Department of Nutrition, HIV and AIDS, Malawi) |
| Low Risk Perceptions:                                     |
| ‘When they take children to the hospital, they only go for vaccinations but not Vitamin A, growth monitoring or other interventions, so they do not take these as a priority.’ (SBCC Focal Point MoH, Ministry of Health, Mozambique) |
| Dual Burden:                                              |
| ‘The other challenge is overnutrition, overweight, and now we are seeing a lot of NCDs coming up, and even our partners, they have been focusing on undernutrition and not overnutrition.’ (Nutrition Director, Nutrition Department, MoH, Zambia) |
| Financial Resource Capacity:                              |
| ‘We do have very good messages developed for counselling mothers and in the health centres for different target groups, but the big challenge is to persist in maintaining these messages through the health sectors, so the size of the country is a challenge.’ (Head of Nutrition, Ministry of Health, Mozambique) |

Interpersonal Communication (86.05%; n = 37) and Health Worker Training (76.74%; n = 33) while Posters (69.77%; n = 30); Billboards/Other Outdoor Media (23.26%; n = 10); Flip Charts or other Aids (62.79%; n = 27); Radio Spots (81.40%; n = 35); TV Spots/Programmes (58.14%; n = 25); Social Media/SMS/Digital Media (62.79%; n = 27) were also popular options. The majority of respondents (60.53%; n = 23) reported from 1 to 3 campaigns had been implemented in their countries of operation, from less than 2 weeks’ duration (16.67%; n = 6) to more than 12 months’ duration (30.56%; n = 11). Only 35.14% (n = 13) of participants reported a routine monitoring system, while 21.05% (n = 8) reported impact evaluations conducted on specific SBCC nutrition campaigns or other interventions.

A number of items relating to SBCC campaign indicators, online tools and resources were rated on five-point Likert scales. Two ‘top-box’ findings identified that an online dashboard tool comparing major IYCF indicators across the region was seen as very/extremely useful by 73.68% (n = 22) participants; an interactive interface that walks users through the decisions and steps in developing an IYCF campaign strategy was seen as very/extremely useful by 91.90% (n = 34) participants; an indicative media plan to account for different sized budgets was seen as very/extremely useful by 83.34% (n = 30) participants; sample messages and creative concepts that can be adapted were seen as very/extremely useful by 88.88% (n = 32) participants, while sample management tools such as budget templates, creative briefs or workplans were seen as very/extremely useful by 94.59% (n = 35) participants; and a monitoring & evaluation framework with key indicators and sample data collection tools was seen as very/extremely useful by 94.59% (n = 35) participants (see Table 3).

Discussion

The needs assessment implemented during the height of the Covid-19 pandemic demonstrates that priority nutrition programme strategic planning can continue while the health sector deals with other global health priorities. The adaptation to virtual support by international advisers and donors located in multi-country settings, working in conjunction with national staff, provided a variety of learnings. This included the potential for technical capacity building, and data collection and analysis, efficiently conducted through virtual support, albeit over an extended time-frame of six months.

The approach also demonstrated that a greater amount of programme intelligence may be able to be collected in formative research implemented during these periods, given the predilection of stakeholders to rapidly adapt to online platforms for communication in the face of travel restrictions and lockdowns keeping staff at home during the pandemic. The needs assessment allowed for qualitative dialogue on key aspects of the SBCC strategy, while also providing indicators on regional stakeholder needs and wants. Triangulation of feedback from the literature review, key informant interviews and quantitative data sources from the online survey provided a comprehensive overview of the programme gaps and challenges, as well as opportunities for continuous improvement and integration.

Recommendations from the SBCC strategy developed from the needs assessment findings confirms that programmers do not have to ‘reinvent the wheel’ with strategic approaches and IYCF messaging. There are a number of efficiencies in simply reviewing best-practice communication campaigns and brands from other parts of the world and ‘culturally adapting’
for regional approaches. Recommendations for increased efficiencies achieved through regional integration are also apparent with enquiry on online survey tools and approaches being very positively received in the SADC (16 member states), with these efficiencies also being explored by the WHO, in the Eastern Mediterranean Region (22 member states).^{40}

Furthermore, findings from the needs assessment identified the considerable challenges in reversing the worrying trends in malnutrition in the region, which are expected to rise with challenges faced by the pandemic. Opportunities are identified in the strategy for the development of best-practice SBCC campaigns to achieve population-level impact, adapting and evaluating the SBCC campaigns for their efficacy in a number of member states, while building technical capacity and political will to adapt resources and implement programme interventions at scale.

A key recommendation towards achieving greater regional integration is to identify and implement policy initiatives that will facilitate the dissemination of critical campaign messages to achieve effective reach and frequency at scale, such as those in Turkey,^{36} which can highlight that sustainable mass media programming mechanisms can also be successfully enacted in SADC to support dissemination of IYCF and other priority health programmes. This can be facilitated through the establishment of a priority health programming calendar, which can be institutionalised across a number of SADC regional member states. Innovation is also identified in the strategy as a key factor in supporting new and different ways of approaching challenges as well as the sharing of lessons learned across the region.

Lastly, a critical factor to the success of a regional SBCC strategy to address IYCF problem behaviours is the need to seek endorsement and support from key donors and support agencies in the region, for the full term of the strategy. This will allow for capacity building, implementation and evaluation of a number of communication campaigns, and the application of findings to address behavioural gaps in future phases of the strategy. It is only through the adoption of more integrated, evidence-based, long-term, strategic approaches, which have the potential for regional application, that policy initiatives and other SBCC interventions can achieve behavioural impact and other efficiencies. Coupled with the SBCC programming efficiencies are opportunities to advocate for a greater level of regional programming sustainability, afforded through fiscal policy measures applied to a range of unhealthy products that are currently increasing NCD risk in the African region.

**Conclusion**

The needs assessment demonstrated that priority programme planning can continue while the health sector deals with a pandemic threat like Covid-19 and other health emergencies. The adaptation to virtual support provided a variety of learnings for research designs, data collection and analysis, albeit over an extended timeframe of six months. A number of innovative approaches were identified in the resultant SBCC strategy for SADC along with opportunities for regional efficiencies in adapting existing, best-practice SBCC creative and programming approaches.

**Limitations**

Limitations of the rapid assessment study approach relate to the reduced level of academic rigour able to be applied to some aspects of the fieldwork method, data collection and analysis. Time and budgetary constraints required data analysis from field notes compiled as the discussions took place. Although this process may be critiqued, it could also be argued that the benefits of directly taking part in the discussions and manually recording notes may provide greater insights than could be achieved through analysis of recorded materials by those not directly involved in the process of investigation. Additionally, a limitation of the quantitative survey is the lack of comprehensive responses from all SADC member-state representatives and a sample size that may limit the findings.

**Acknowledgements** – The authors would like to acknowledge the support towards this study of the Southern African Development Community (SADC), with the financial support of the European Union, the Global Alliance for Improved Nutrition (GAIN) and UNICEF (United Nations Children’s Fund).

**Disclosure of interest** – The authors declare no conflicts of interest and have not entered into any agreements with the study sponsors that may have interfered with authors’ access to all of the study’s data or their ability to analyse and interpret the data, or to prepare and publish manuscripts independently when and where they choose. Perceived conflicts of interest

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**Table 3**: SADC stakeholder online survey findings (S-point Likert scales) on usefulness of SBCC components on IYCF web portal ($n=63$)

| Factor                                                                 | Extremely useful | Very useful | Somewhat useful | Not so useful | Not at all useful | Don’t know | Weighted average |
|------------------------------------------------------------------------|------------------|-------------|-----------------|---------------|------------------|------------|------------------|
| A dashboard comparing major IYCF indicators across the region          | 34.21%           | 39.47%      | 23.68%          | 0.00%         | 0.00%            | 6.23%      | 4.11             |
| An interactive interface that walks users through the decisions and steps in developing an IYCF campaign strategy | 35.14%           | 56.76%      | 8.11%           | 0.00%         | 0.00%            | 0.00%      | 4.27             |
| An indicative media plan to account for different sized budgets        | 27.78%           | 55.56%      | 13.89%          | 0.00%         | 0.00%            | 2.78%      | 4.14             |
| Sample messages and creative concepts that can be adapted             | 44.44%           | 44.44%      | 11.11%          | 0.00%         | 0.00%            | 0.00%      | 4.33             |
| Sample management tools such as budget templates, creative briefs or workplans | 32.43%           | 62.16%      | 2.70%           | 0.00%         | 0.00%            | 2.70%      | 4.31             |
| A monitoring & evaluation framework with key indicators and sample data collection tools | 55.56%           | 41.67%      | 2.78%           | 0.00%         | 0.00%            | 0.00%      | 4.53             |

*Note: Participant response rates may vary where no responses to an item were provided.*
may include the principal author’s consultancy to the sponsors of this study, SADC and GAIN, who funded the project.

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