About SPRING
The Strengthening Partnerships, Results, and Innovations in Nutrition Globally (SPRING) project is a five-year USAID-funded Cooperative Agreement to strengthen global and country efforts to scale up high-impact nutrition practices and policies and improve maternal and child nutrition outcomes. The project is managed by JSI Research & Training Institute, Inc., with partners Helen Keller International, The Manoff Group, Save the Children, and the International Food Policy Research Institute.

Disclaimer
This tool is made possible by the generous support of the American people through the United States Agency for International Development (USAID) under the terms of the Cooperative Agreement No. AID-OAA-A-11-00031 (SPRING), managed by JSI Research & Training Institute, Inc. (JSI). The contents are the responsibility of JSI, and do not necessarily reflect the views of USAID or the United States Government.

Recommended Citation

*Note:* This annex will become part of a forthcoming final report on the SPRING Pathways to Better Nutrition (PBN) Nepal Case Study, which will provide the insights, evidence, and recommendations gleaned from this two-year mixed methods study. The methods described in this annex also underpin the set of interim PBN briefs now available on our website.

Acknowledgments
SPRING would like to acknowledge USAID for its financial support of this work. The authors (SPRING PBN Nepal Team: Amanda Pomeroy-Stevens, Monica Biradavolu, Lidan Du, Indu Sharma, Madhukar Shrestha, and Jolene Wun) would also like to thank our senior advisors (Drs. Robin Houston and Madhu Dixit Devkota), HKI Nepal, and the USAID Nepal Mission for their great help in facilitating the execution of the data collection and data validation. Finally, the SPRING PBN team would like to acknowledge the support and insights given by Nepal’s National Planning Commission, the National Nutrition and Food Security Secretariat, UNICEF, and the World Bank in the framing and execution of this work.

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BACKGROUND

The objective of SPRING’s “Pathways to Better Nutrition” (PBN) analysis of Nepal’s nutrition budgets is to provide stakeholders with:

1. An estimate of funding budgeted for Nepal’s Multi-Sector Nutrition Plan (MSNP) activities in FY 2013/2014, FY 2014/2015, and FY 2015/2016. This will be useful for comparison to the estimated costs to implement the MSNP plan, and for understanding gaps in nutrition funding. The data can also be used to plan government and donor nutrition funding, and to advocate for greater and more consistent nutrition funding.
2. Information on which activities are prioritized financially each year within the MSNP. This includes information on funding sources for each nutrition-related activity, whether funding has been shifted from other activities, and the balance of government and donor funding for the nutrition activities.
3. Budgeting tools and guidance to help nutrition stakeholders in Uganda more explicitly track and advocate for nutrition funding. This can help with reporting not only within Uganda but also for groups such as the “Scaling Up Nutrition” (SUN) Movement, which prioritizes financial tracking in its monitoring and evaluation of countries.

Defining Budget Analysis

Political will for nutrition must be reflected through financial support at the national and subnational level (USAID 2014). There are several steps involved in tracking financing support. Costing a national nutrition plan provides estimates for what amount of funding is necessary to implement nutrition activities; analysis of current budgets (government and donor) provides estimates for what funding is actually allocated to implement nutrition activities; analysis of expenditures to estimate what percent of allocated funds were spent; and expenditure tracking to find why funds did not reach their intended destination.

The government of Nepal and their partners have supported the first step of this process—the costing of the MSNP in Nepal. SPRING is primarily focused on the second step: estimating what funding is allocated to implement the nutrition activities in the MSNP, and to the extent that there are available data, how much of that funding was spent. This is what SPRING generally means by ‘budget analysis’ for purposes of this brief.

Budget analysis can be defined as applied analysis of government and donor budgets with the explicit intention of impacting a policy debate or furthering policy goals (The International Budget Project 2001). This work can include efforts to improve budget literacy of policymakers, program planners, and other key stakeholders. In the case of Nepal, SPRING’s budget analysis is meant to better inform the stakeholders advocating for the MSNP of their available resources. This can lead to more effective advocacy for greater nutrition funding, more transparency in how those funds will be spent, and clearer negotiation for donor funding.
To the extent possible, SPRING is also addressing what percent of funds were spent for nutrition activities. This will depend on the data available in Nepal and the strength of the government expenditure tracking systems. SPRING will not address the final step of financial analysis, which is to identify the reasons behind bottlenecks in spending, as this type of work is best done through other methods, such as the World Bank’s Public Expenditure Tracking Survey (PETS) or Public Expenditure Reviews.¹

**Defining Nutrition Activities**

The scope of nutrition is quite difficult to define, yet a clear definition is needed for budget analysis and financial tracking. The MSNP is used as the definition of the boundaries of activities that can be included for this analysis. There are several advantages to this, as well as a few drawbacks.

The MSNP contains an explicit implementation matrix (Annex I of the MSNP) that defines the interventions in support of the MSNP, expected outputs, the government agency responsible for leading each activity, and other participants. There is also an approximate cost assigned to each activity is included in the consolidated cost action plan within Annex I of the MSNP. The advantages of using this scheme are that the activities are set for the five-year period of the MSNP, allowing SPRING to follow the same set of activities over that time.² It also means that estimated financial allocation and expenditures can be compared to the costing for the plan. Finally, by having both the qualitative and budget research teams work from the same document, it aligns the budget analysis with the qualitative assessment of prioritization.

One drawback is that some activities that SUN includes on its “nutrition-sensitive” list for the Development Assistance Committee (DAC) guidance will not be counted in our analysis. Each country has latitude to include or exclude any of these activities, and in the MSNP certain activities received less emphasis. Qualitative enquiry can probe the reasons for the differences between the SUN definition and what appears as sensitive in the MSNP (see Appendix 1 for the SUN list), but for the budget analysis, excluded activities will not count toward the total estimated nutrition allocation or expenditure.

Where SPRING had any confusion of meanings or terms, we brought these questions up in our interviews with the lead agency assigned to the MSNP activity. In a few cases, new activities not in the MSNP were identified by key informants in the interviews as nutrition activities. When this occurs SPRING allows the inclusion of any budget items related to that activity that still fall within the SUN definitions of nutrition-sensitive. All final budget lists are validated by the ministry or donor responsible, as a last check on the validity of the budget analysis.

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¹ The World Bank and Government of Nepal have implemented a PETS survey in the education sector (2014).

² This said, the Government of Nepal has updated the MSNP activity matrices to take out or add in new activities for each sector during the study period. SPRING has tried to incorporate these changes where possible in the analysis, but made sure to use the same set of activities for each fiscal year.
SPRING did an abbreviated examination of funding at the district level as well. With the institution of the MSNP line item in the 2014/15 fiscal year for the 6 priority districts, this allows anyone to follow the designated nutrition funding flows for the MSNP. This code does not cover implementation of nutrition activities, but of coordination, training, and planning activities to roll out the MSNP. SPRING also collected the same qualitative information as at national level on nutrition activities at the district level in three districts, Parsa, Achham, and Kapilvastu. Donor partners were tracked and where district funding data are available, they will be reported in the final analysis of the PBN case study.

**METHODS**

The PBN case study is a prospective mixed-methods study. Budget analysis is an integral part of the study design, to compare with results of the qualitative data on activity prioritization and feed further inquiry into planning for nutrition. There are no standard documented methods for extracting budget data, especially for a subsector such as nutrition. For its methodology for extracting nutrition-specific and nutrition-sensitive funding data from donor and government budget documents, SPRING adapted guidance from several sources:

- SUN donor network guidance for tracking global investments in the Development Assistance Committee database (DAC) (SUN Donor Network 2013).
- Examination of the MSNP implementation matrix (GoN and NPC 2012).
- Cross-country learning with SPRING’s Uganda PBN case study.
- Consultation with the Nepali government ministries and key donors.

SPRING will collect and analyze budget data for **three budget cycles**: 2013/2014; 2014/2015; and 2015/2016. Data will be collected at the national level for government, donor, and UN groups, and an abbreviated look at secondary budget documents will occur in three districts for government and selected donor funds. Figure 1 gives an overview of the process of data collection, validation, and analysis.
The process for data extraction and analysis described below was used to address Objectives 1 and 2 of the budget analysis. SPRING will document this process and develop tools to help others replicate this analysis by the end of the study to meet Objective 3.

**Data Collection**

**National Level**

National-level data were gathered during baseline data collection in July 2014 and will be repeated for the next two budget cycles. The team conducted qualitative and budget interviews with stakeholders from the six key groups named by SUN for scaling up nutrition activities:

- Government (ministries as well as the nutrition coordinating body, National Planning Commission)
- Donor agencies
- CSOs
- Business/private sector
- UN groups
- Academic/research institutions
SPRING requested “red book” budgets, supplemental documents, work plans, and any other documents needed to identify nutrition funding for each of the groups bolded from the above list. For the other groups, SPRING inquired about approximate funding for their nutrition work and source of funding but did not pursue the full budgeting exercise.

There are overlapping funding lines in these groups, particularly for donor and UN agencies. Many bilateral donors provide funding to UN agencies and to the Government of Uganda. When funding UN agencies, bilaterals rarely identify the funding as nutrition, which means the UN agency decides how to allocate those funds within the larger category of giving. SPRING chose to follow donor and UN funds at the project level, rather than starting from the top, i.e., global allocation level. Off-budget donor and UN activities can be identified through the MOF’s Aid Management Portal. This captures all external financing (on- and off-budget as well as a few CSOs). All on-budget financing of MSNP activities was identified within the Red Book, the official budget document across government ministries. On-budget donor funds appear in both of these sources, and were triangulated in the case of disagreement and verified via interviews with the donor. All data from government sources and all major donors were validated in follow up interviews after initial analysis to ensure that the correct activities, amounts, percentages, and sector assignations were used.

**District Level**

Due to resource constraints, the district level analysis in Nepal was not as extensive as in the Ugandan PBN study. In Nepal, SPRING collected government proposed, confirmed and spent budgets for the MSNP line item funds starting in the 2014/15 fiscal year. This line item was discussed in all relevant district level interviews with:

- Government (the seven sectors funded through this line item)
- UNICEF representative (who provided MSNP funding for the health sector)

In addition, SPRING was able to collect qualitative information on the budgets and budgeting process from:

- Primary nutrition donor agencies operating in each district
- CSOs that carry out donor activities in each district

Where full district government budgets were also available, these will be used to augment the final analysis, however the primary stream of budget data being followed at the district level in Nepal is the MSNP line item and the primary donor agency funding.

**Data Processing and Analysis**

**National and District Level**

**Nutrition-Specific Activities**

Within the sources above and the activities in the MSNP, SPRING largely follows the USAID Nutrition Strategy definition of nutrition-specific activities:

- Management of severe acute malnutrition
- Preventive zinc supplementation
- Promotion of breastfeeding
- Appropriate complementary feeding
- Management of moderate acute malnutrition
- Periconceptual folic acid supplementation or fortification
- Maternal balanced energy protein supplementation
- Maternal multiple micronutrient supplementation
- Vitamin A supplementation
- Maternal calcium supplementation

This matches the list provided in the executive summary of the 2013 Lancet Series (Lancet 2013). SUN guidance for the identification of nutrition-specific activities was also based on the Lancet Series’ (2008 and 2013) set of interventions.

The SUN guidance for tracking global investment in nutrition (Mucha 2012; SUN Donor Network 2013) does not provide a definition past use of the “basic nutrition” DAC purpose code. In the DAC, the definition of this code is:

“Direct feeding programs (maternal feeding, breastfeeding and weaning foods, child feeding, school feeding); determination of micro-nutrient deficiencies; provision of vitamin A, iodine, iron etc.; monitoring of nutritional status; nutrition and food hygiene education; household food security.” (OECD website, “Purpose Codes: sector classification” and “2012 CRS purpose codes_excel EN”).

According the guidance given by SUN, **100 percent of the funds** assigned to a “nutrition-specific” activity will be counted toward the total (no weighting applied).

**Nutrition-Sensitive Activities**

The SUN financial tracking guidance outlines its approach for identifying and weighting nutrition-sensitive activities from the DAC. SPRING modified this guidance to align with the MSNP and to be relevant for both government and donor funding. These modifications have added one additional step (2). The overall approach and SPRING’s modifications to SUN’s approach can be summarized by Figure 2:
Broken out, this can be explained as follows:

1. **Identify the pool of potentially nutrition-sensitive projects and budget line items:** SUN suggests using a combination of DAC codes and a key word search on the CRS database for donor activities. The lists of DAC codes and key words are presented in Appendices 2 and 3. **SPRING MODIFICATION:** SPRING’s roster of potentially nutrition-sensitive activities is derived from the defined activities in the MSNP activity matrix. While many areas overlap with the DAC descriptions, there is some divergence, and the level of detail is greater in the MSNP than in the DAC (see “defining nutrition activities” section above).

2. **Integrated or Stand Alone Activity:** very often in government budgets, and sometimes in donor activities, nutrition-relevant activities are “integrated” into larger non-relevant activities. Therefore SPRING had to undertake this additional step to allow for counting of partial components of the larger line item. In validation interviews, or via reading of project documents, SPRING endeavored to find out what percentage of a line item is nutrition-relevant.

3. **Nutrition Sensitive vs Specific:** SUN suggests reviewing the projects selected in Step 1 by assessing individually each project document. The objectives, expected results, and indicators are examined to determine whether the project is nutrition-sensitive. SUN requires the activity to pass three criteria: 1) project must intend to improve nutrition for women, adolescent girls, or children; 2) project has a significant nutrition objective OR nutrition indicator(s) (see Appendix 3); and 3) project must contribute to explicit nutrition-sensitive outcomes (through activities, indicators, and results; see Appendix 1). **SPRING MODIFICATION:** SPRING modifies the
list of nutrition-sensitive outcomes to match the MSNP activity outputs. If there is an activity on SUN’s list that is not in the MSNP, which activity would not be counted in SPRING’s budgeting, unless it is given as a nutrition activity in our interviews.

4. For Nutrition-Sensitive, is it “Dominant” or “Partial”: Through the same review of project documents, classify the “intensity” of nutrition-sensitivity into two sub-categories: nutrition-sensitive dominant or nutrition-sensitive partial. SPRING MODIFICATION: If no other information for a project is available, SPRING will use SUN’s weighting scheme (100 percent of funding is counted if a project’s main objective, results, outcomes, and indicators are nutrition-sensitive; 25 percent if secondary objective, results, outcomes, and indicators are nutrition-sensitive). However, SPRING has access to work plans or donor budgets and if there is insufficient information in these document to determine the approximate percent, SPRING will ask stakeholders to define breakdown for accounting. If SPRING still cannot define percent after these consultations, the SUN weighting scheme be applied. Documentation of our decisions will be made for each activity.

Data Validation Process

SPRING is taking a two-pronged approach to ensure high-data quality. First, within our team, the following steps are taken in order to ensure inter-rater reliability:

1. Regular group extraction meetings
2. Feedback on ambiguous terms or activities from line ministries
3. Notation and documentation in extraction sheets
4. Cross-referencing figures from multiple sources, where available

Once extraction is completed, SPRING confirms the validity of the extracted ministry and donor budget data through meetings with the key informants for that ministry or donor. Every effort is made to cross-validate data with the sector focal point seconded to the MOF. Any projects or activities that cannot be validated by the country or global team (donors) or line ministry and NPC (government) will be dropped from the analysis. Any unlisted projects named by the key informants will require supplemental documentation in order to be added to the analysis.

Exchange Rates

MOF reports off-budget donor funding in current-year USD. However, all ministry budget data is reported in current-year Nepali Rupees (NRs). SPRING is reporting final estimates in both USD and NRs.

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3 Government considerations: When analyzing government work plans and budgets, one will notice that activities are not as explicitly defined, and few will have explicitly named results or indicators. This makes following the DAC guidance more difficult. SPRING endeavored to apply the same standards to both donor and government funding, but had to relax the set of three to become a set of the first and third criteria, with the second as an optional criterion if information is available. SPRING will discuss the extracted activities with each ministry to ensure the project has been appropriately defined as a nutrition-sensitive activity.
Inter-bank exchange rates from the Nepal Rastra Bank will be used for the conversions, averaged over the first month of the fiscal year.

**Deflation/Inflation Rates and Base Year**

National level analysis will begin at 2013/2014. For yearly reporting, no modifications are made to the reported figures in USD but for aggregated reporting of more than one year or reporting trends, SPRING uses 2013/2014 as the base year and succeeding years are adjusted to base-year dollars. Inflation rates are averaged over the fiscal year using the World Bank GDP-Deflator/Nepal Central Bureau of Statistics Producer Price Index.

**LIMITATIONS**

**Missing Data and Non-Response**

In the Aid Management Portal, while the list of donor projects was comprehensive and total project commitments were reported for all entries, actual yearly commitments and disbursements were missing for many activities. Where we could not complete this data from our interviews, SPRING imputed the missing data from the total project commitment figure divided by the number of project years (an s-curve will also be assessed as an alternative). Since the majority of donor projects are on-budget, and those figures are recorded in the red book, this applies primarily to off-budget donor figures.

**Data Quality**

Setting aside from the yearly actual commitments and disbursements data in the Aid Management Portal, the data recorded in the government records appeared to be of good quality. In validation interviews with government officials, only one correction was made to a disbursement figure for 2013/14 and 2014/15.

**Changes over Time**

SPRING is comparing data over several budget cycles, so it is important to use the same standards each round for comparability. However, as ministries become more aware of nutrition and “nutrition-sensitive” activities via the roll out of the MSNP, their accounting for activities may change and a greater number of activities may be identified as nutrition-sensitive, even if they existed in previous budgets. SPRING is making every effort to return to previous years’ data after each new round to check that “new” activities are indeed new and not just re-categorized.

It is also important to note that with the April 2015 earthquake, there will be a structural break in the trend SPRING is examining for this study between the second and third study year. Thus, while this information is still very useful for the objectives set out by the study, one would not expect to see a steady upward march for nutrition funding over this time period.
Subjectivity of “Sensitive”

Defining ‘nutrition-sensitive’ can be complicated. Within the data analysis team, SPRING ensures inter-rater reliability through regular group extraction meetings to discuss ambiguous activities listed in MSNP and cross-verifies final lists with the source ministry or donor organization.

Evolution of Nutrition Designation

Changes in the designation of nutrition-sensitive categories and how to weight them in this type of analysis, at the global and national levels are likely. The MSNP is not expected to change until 2017, but modifications could be made. If SUN guidance continues to evolve, SPRING will work with NPC to evaluate whether the improvement in accuracy is worth the loss of comparability over time.
REFERENCES


SUPPLEMENT 1: NUTRITION-SENSITIVE OUTCOMES

SOURCE: SUN Donor Network, 2013

These outcomes, used to gauge the degree of nutrition sensitivity, are drawn from the nutrition conceptual framework (UNICEF 1990), the Reference Document “Addressing Undernutrition in External Assistance” (EC 2011) and the SUN Movement Strategy 2012-2015.

A. Individual Level (Children or Adolescent Girls or Women):

- Increase purchasing power of women (examples: safety nets, cash transfers)
- Improve access to nutritious food of women, adolescent girls and/or children (examples: agriculture/livestock diversification, biofortification, food safety, increased access to markets)
- Improve the diet in quality and/or quantity for women, adolescent girls or children (examples: promotion of quality/diversity, nutritious diets, quantity/energy intake in food insecure households, stability, micronutrient intake, vouchers, access to markets)
- Improve access of women or adolescent girls or children to primary healthcare (examples: maternal health care, child health care, reproductive health care, supplementation, therapeutic feeding, support to breastfeeding)
- Improve access to childcare (i.e. childcare not supplied through the health services)
- Improve women or adolescent girls or children access to water, sanitation and hygiene (examples: access to latrines, access to safe water, improvement of hygiene)
- Improve access to education/school for adolescent girls
- Improve knowledge/awareness on nutrition for relevant audiences (examples: inclusions of nutritional education in the curriculum for primary and secondary education, TV and radio spots addressing vulnerable households and decision makers, nutrition awareness campaigns)
- Improve empowerment of women (examples: access to credit, women based smallholder agriculture, support to women’s groups)

B. National level:

- Improved governance of nutrition (examples: increased coordination of actors and policies for nutrition, establishment of budgets specifically contributing to nutrition, improvement of institutional arrangements for nutrition, improved nutrition information systems, integration of nutrition in policies and systems)
- Increase nutrition sensitive legislation (examples: food fortification legislation, right to food, legislation for the implementation of the Code of Marketing of Breast-Milk Substitutes, food safety)

C. Research

- Increased research with nutrition objectives
SUPPLEMENT 2: LIST OF OECD-DAC PURPOSE CODES

SOURCE: SUN Donor Network, 2013

Food Security and Agriculture:

Availability

31110 agricultural policy and administrative management
31120 agricultural development
31140 agriculture water resources
31150 agricultural inputs
31161 food crop production
31163 livestock
31166 agricultural extension
31181 agricultural education/training
31182 agricultural research
31191 agricultural services
31193 agricultural financial services
31194 agricultural co-operatives
31310 fishing policy and administrative management
31320 fishery development
31381 fishery education and training
43040 rural development

Accessibility

16010 social welfare services
16011 social protection
52010 food aid/food security programs
72010 material relief assistance and services
72040 humanitarian/emergency relief
72050 relief coordination, protection, and support services
73010 reconstruction, relief, and rehabilitation
Public Health and Water and Sanitation
Public Health (including reproductive health)

- 12110 health policy and administrative management
- 12220 basic health care
- 12250 infectious disease control
- 12261 health education
- 12281 health personnel development
- 13020 reproductive health care
- 13022 maternal health including neonatal health

Sanitation

- 14030 basic drinking water supply and sanitation
- 14032 basic sanitation

Drinking Water

- 14031 basic drinking water supply

Care Environment
Gender Empowerment

- 15170 women’s equality organizations and institutions

Other

- 51010 general budget support
SUPPLEMENT 3: KEY WORDS AND NUTRITION INDICATORS

SOURCE: SUN Donor Network, 2013

Annex 2: list of words to be used for key word filter¹

afatin; biofortification; breastfeeding; cash transfer; child feeding; CMAM; community management of acute malnutrition; deworming; diarrhoeal disease; diet; dietary diversification; direct feeding; enteral therapy; feeding; feeding program; feeding programme; food intake; food insecurity; food subsidy; food voucher; fortification; GAM; global acute malnutrition; garden; gastrointestinal illness; global nutrition coordination; growth monitoring; growth monitoring and promotion; handwashing; helminth; hunger; hygiene; IUSP; Integrated growth restriction; iodine; iron; iron-foal acid; iron-folic acid; low birthweight; maternal feeding; MAM; malnutrition; moderate acute malnutrition; malnutrition; micronutrient; nutrition; nutrition education; ready to use therapeutic food; ready-to-use therapeutic food; ready-to-use therapeutic food; RUTF; SAM; severe acute malnutrition; Scaling Up Nutrition; school feeding; stunting; supplement; supplementation; undernutrition; undernutrition; undernutrition; underweight; underweight; vitamin; wasting; zinc

Annex 3: Nutrition Indicators

Nutrition indicators should be specific to nutrition and not only an indicator to benchmark progress towards a nutrition-sensitive outcome. For example, indicators that track progress on child growth, dietary diversification, access to support for breastfeeding, anaemia prevalence or health facility capacity in nutrition, such as capacity to manage acute undernutrition, would count. Indicators that only monitor increasing resources in the hands of women, increased access to reproductive healthcare or childcare or improved access to education, for example, would not count.

1 December 2013

¹ These words will also be translated into French and Spanish, for use in searching donor databases.

² The indicators listed in Annex 3 are examples of nutrition indicators and not a final, exhaustive list.