

## TERMS OF REFERENCE (TOR)

**Position:** Nutrition Modelling Advisor

**Organization:** ATNi (Access to Nutrition initiative)

**Location:** Virtual

**Duration:** March–June 2026

**Reporting to:** Marina Plyta, Partnerships Manager

### 1. Background

ATNi (Access to Nutrition initiative) is a global foundation actively challenging the food industry, investors and policymakers to shape healthier food systems. We analyze and translate data into actionable insights, driving finance, partnerships and innovations for market transformation so that all people have access to nutritious and sustainable food.

### 2. Objective

ATNi is seeking a Nutrition Modelling Advisor to support in conducting a modelling analysis as part of its [Healthy Starts](#) project.

The objective is to analyze the potential contribution of locally available complementary foods (CF)—including ready-made commercial CF, or CF prepared at home with packaged or locally sourced ingredients—to the diets of children at-risk of malnutrition in Kenya, with a focus on energy density and micronutrient outcomes.

The consultant will help design the methodology, assess feasibility, build and apply the model by integrating dietary data from 24-hour recalls ATNi conducted in Kenya combined with additional data sources as needed, and interpret findings for actionable insights.

### 3. Scope of Work

- Lead the development and application of advanced model(s) to assess the potential contribution of locally available CF—including ready-made commercial CF, or CF prepared at home with packaged or locally sourced ingredients—to the diets of children at-risk of malnutrition in Kenya, with a focus on energy density and micronutrient outcomes.

This includes:

- Conducting a feasibility assessment by reviewing ATNi's and external datasets to determine scope and limitations and recommend solutions to address data constraints.

- Using ATNi’s 24-hour dietary recall data collected in Nairobi and Makueni (end of 2025) among children aged 6–36 months, together with related nutrient adequacy analyses and other relevant data sources as needed.<sup>a</sup>
  - Modelling potential contribution of different forms of CF (e.g. ready-made fortified cereal-based CF and home-prepared CF with fortified or unfortified flour) on key macro- and micronutrient outcomes and energy density, with comparisons across rural and urban settings and different socioeconomic groups.
- Provide technical expertise and conduct the full research process, from data validation to analysis and interpretation, ensuring transparency, accuracy, and reproducibility.
  - Provide guidance to the team on the modelling technique(s), data sources, and statistical methods used.
  - Present (interim and final) modelling findings to the team, ensuring the results are accessible and actionable.
  - Prepare a comprehensive final report including:
    - Methodology, including the Feasibility Assessment and Analytical Framework
    - Analytical findings
    - Clear visualizations
    - Recommendations
    - Technical annexes (e.g., code files, documentation)
  - Contribute to the preparation of reports, publications, and presentations that communicate the findings.
  - Participate in regular check-ins with ATNi’s Data and Research teams.

#### 4. Activities and Deliverables

The work is expected to span a maximum of 10 weeks, with the following breakdown:

Week(s)	Activity
Weeks 1-3	<ul style="list-style-type: none"> <li>● Review existing data and sources.</li> <li>● Feasibility assessment and analytical framework.</li> <li>● Design analysis framework.</li> </ul>
Weeks 4-6	<ul style="list-style-type: none"> <li>● Model development and testing.</li> </ul>
Weeks 7-8	<ul style="list-style-type: none"> <li>● Scenario modelling and sensitivity analysis.</li> </ul>
Weeks 9-10	<ul style="list-style-type: none"> <li>● Final report writing, internal review, presentation to ATNi.</li> </ul>

<sup>a</sup> The 24-hour dietary recall is adapted from a survey for children, developed by the Alliance Diversity International and CIAT, part of CGIAR. Food intake data is linked to the Kenya Food Composition Tables and to nutritional information from packaged product labels. Data collection is complete and data cleaning is in progress.

**Timeline:** March–June 2026. Final deliverable by 5 June 2026.

## **Deliverables**

- A transparent, reproducible nutrient modelling framework (Excel/R/Stata/Python file format), including a ReadMe file clearly outlining process steps.<sup>b</sup>
- Datasets, including both raw and transformed versions (CSV/R/Stata/Python file format).
- Final report (docx file format) – see point #5 under ‘Scope of Work’
- Oral presentation (online, PPT format)

## **5. Competencies**

- Expertise in data modelling techniques, including experience with Optifood, MINIMOD, Enhance, or similar.
- Advanced statistical and data analysis skills.
- Strong communication skills, including the ability to align with key stakeholders, deliver internal presentations, simplify complex concepts for non-expert audiences, and translate data insights into actionable outcomes.
- Excellent planning and organizational skills, with the ability to manage multiple tasks and prioritize effectively.
- Ability to work independently while contributing to a collaborative team environment.
- Knowledge of the global nutrition sector and its key trends and challenges, with a focus on infant and young child nutrition.

## **Education and Experience:**

- Master’s or PhD in epidemiology, nutrition, public health, data science, or a related field.
- Proven success in performing modelling exercises with emphasis on the full research process and in the context of nutrition and health outcomes.
- Proven experience in dietary data analysis and interpretation, with a focus on complementary feeding in young children
- Experience collaborating with diverse stakeholders and working across various areas of expertise.

<sup>b</sup> Note that ATNi works with GitHub repositories.



## 6. Application Details

Please submit the following documents to Marina Plyta, Partnerships Manager at [marina.plyta@atni.org](mailto:marina.plyta@atni.org) latest by 10 March 2026. Applications will be reviewed on a rolling basis.

- **Curriculum Vitae (CV)** along with track record of similar work
- **Proposed Work Plan** outlining your approach, timeline with key activities, and salary expectations (max. 2 pages in Word).
- ATNi reserves the right to request that the applicant participates in a short assessment.