



## **CONSULTANT STATISTICIAN SCOPE OF WORK**

### **BACKGROUND AND OBJECTIVE**

The Institute for Reproductive Health is seeking support for statistical analysis of survey data from baseline and endline data collected in Nepal in 2015 and 2016. These data will be used to evaluate the impact of three programs (Choices, Voices and Promises) relating to gender among very young adolescents (VYA). Areas that we are examining include: gender equity in education and household chores; delayed marriage; supportive and loving relationships among brothers and sisters; and future aspirations among girls and boys.

In order to improve gender equity among very young adolescents (VYA) 10 – 14 years old, Save the Children has developed an innovative gender transformative package with three distinct interventions addressing different levels of the ecological model. Evidence of the need to intervene at multiple levels of society in order to make a lasting impact on gender equity propelled Save the Children to develop a package that intervenes not just with adolescent girls themselves, but with different actors in their communities.

The three interventions are:

- **CHOICES:** Improve **boys'** and **girls'** access to information and reflective activities that challenge restrictive gender norms and promote gender equality
- **VOICES:** Increase dialogue between **parents** and VYA that diminishes inter-generational transfer of inequitable gender norms and improves equality in the household (i.e. increases the age of marriage for girls, girls' educational attainment, equitable distribution of household chores by boys and girls, etc.)
- **PROMISES:** Shift norms within the **community** to create an environment where education for girls is valued more highly than early marriage.

The purpose of this study is to evaluate a multi-level intervention to determine if there are additional benefits of working at the family and community level while also engaging VYA to improve gender equity and attitudes. VYA in the control group will engage in the CHOICES intervention, which has already been evaluated and proven effective. In the experimental group, VYA will engage in CHOICES, while their parents engage in VOICES, and their community as a whole engages in PROMISES.

We hypothesize there will be synergistic effects on gender norm changes among VYA and that the expectations, restrictions and opportunities for boys and girls will have positive shifts when these three interventions are used simultaneously in a community.

There are 4 data sets in total, 2 baseline (one for VYA and one for parents) and two post intervention (one for VYA and one for parents).

**Period of Performance:** March 14, 2016 – June 30, 2016

**Contract Amount:** 10-20 days

**Location:** Not specified; Washington, DC preferred

**Detailed task description and expected timeline:**

The Consultant will support the data analysis in the following tasks. Tasks may not be limited to this list given the time constraints of the project, but these cover the main responsibilities:

- Meet with the point of contact (in person or by phone) weekly to discuss the progress of analysis
- Develop/revise analysis plan
- Assist with data management, reviewing/creating variables
- Conduct analysis as directed by IRH

| Task  | Outputs   | Estimated number of days |
|---|---|--------------------------|
| 1) Become acquainted with baseline data sets, other data management as needed. (Currently in SPSS.)   | Thorough documentation of data sets.  | 2 days; Mid-March 2016   |
| 2) Review and clean endline data. Run frequencies and cross tabs by study group, sex and age. Determine comparability of control and intervention groups. | Clean endline data set for VYA and Parents. Frequencies and cross tabs.   | 3 days                   |
| 3) Develop and test indices for measuring key VYA and parent outcomes, using baseline and endline data, in consultation with IRH.                         | Documentation on scale composition and reliability. Selection of scales to use in analysis.   | 2 days                   |
| 4) Develop analysis plan, in consultation with IRH  | In collaboration with IRH, develop an analysis plan for the baseline and endline data for main outcomes and intermediate variables, by sex and age group for both adolescents and parents. The plan should include dummy tables and an outline of the report to share with partners for their input.<br><br>The analysis will: 1) assess comparability of control and intervention groups (e.g. are there statistically significant differences between control and intervention groups at baseline and endline); and 2) determine whether there are significant differences between control and experimental groups, taking into account baseline and endline, differences. To the extent possible, analysis should take into account sex and age. | 1 day                    |
| 5) Analysis of baseline and endline data, as outlined in analysis plan  | Code, analysis outputs, and data tables.  | 8 days                   |
| 6) Phone calls or in-person meetings with point of contact  | Routine phone calls or in-person meetings   | 1 day                    |
| 7) Draft of endline report in consultation with IRH.  | Sections of final report  | 5 days                   |

IRH will provide the following support to the consultant:

- Data sets (VYA baseline and endline; parent’s baseline and endline; and baseline survey and endline survey data collection instruments)
- Study protocol and other background materials such as the Results Framework and Data Analysis Plan
- Regular check-ins to answer questions and facilitate progress towards the deliverables

**Deliverables:**

| <b>Deliverable</b>                    | <b>Deliverable Due Date</b> |
|---------------------------------------|-----------------------------|
| Preliminary analysis of baseline data | TBD                         |
| Preliminary analysis of endline data  | TBD                         |
| Final datasets and outputs            | TBD                         |

Payment will be made within 30 days of receipt and acceptance of the invoice and deliverables. Contractor is not authorized to invoice IRH for any amount in excess of this agreement. Last invoice should state "Final" and invoices should reference the Contract Number.

**Interested candidates should send their CV to:** [irhresumes@gmail.com](mailto:irhresumes@gmail.com) with [VYA consultancy] in the subject line, and cc to Rebecka Lundgren at [rebecka.lundgren@georgetown.edu](mailto:rebecka.lundgren@georgetown.edu).