

# DESIGN AND IMPLEMENTATION OF A MONITORING AND EVALUATION PROTOCOL FOR A NUTRITION OUTREACH PROGRAM IN GUATEMALA

THOMAS KLINK<sup>1</sup>, TAYLOR MATHERLY<sup>1</sup>, MONICA PEREZ<sup>2</sup>, CLAIRE PERRY<sup>3</sup>, ELENA SIEPMAN VAN DEN BERG<sup>4</sup>, LUKAS RIHA<sup>5</sup>

<sup>1</sup>MPH Student, Vanderbilt University; <sup>2</sup>Outreach Director, Primeros Pasos; <sup>3</sup>Undergraduate Intern, University of Chicago; <sup>4</sup>Development Director, Primeros Pasos; <sup>5</sup>Site Supervisor and Finance Director, Primeros Pasos



### **BACKGROUND**

#### **Primeros Pasos**

- Nonprofit primary care clinic in Quetzaltenango, Guatemala
- Principally engaged in primary care and health outreach programs in 10 rural indigenous communities in the Palajunoj valley
- Outreach programs were on hold for the first half of 2018 as they underwent programmatic and organizational restructuring.

## **Malnutrition**

- Stunting is defined as being 2 SD below the median of height in the reference population. The primary cause is malnutrition.
- Guatemala has one of the ten highest proportions of stunting in children under 5, with a prevalence of 46.5%. In the United States, the prevalence is 2.1%.<sup>1</sup>
- Malnutrition disproportionately affects rural indigenous communities.



Figure 1: Primeros Pasos Clinic



Figure 2: Hanging out with clinic dogs, Frijol and Canela

# **PURPOSE**

#### The Need

Primeros Pasos wanted to restart their historically successful nutrition outreach program in the four most underserved communities, but wanted to make sure results were well measured.

#### **Goals of the Practicum**

- Develop culturally appropriate data collection tools to support the nutrition outreach program
- Sustainably implement data collection tools to provide actionable data for the organization
- Collaborate with a team of health professionals to advance the goals of Primeros Pasos
- Improve Spanish language proficiency to approach minimum professional working proficiency as defined by the United States State Department



Figure 3: The Palajunoj Valley, courtesy of Primeros Pasos 2017 Annual Report

# STRUCTURE OF PRACTICUM

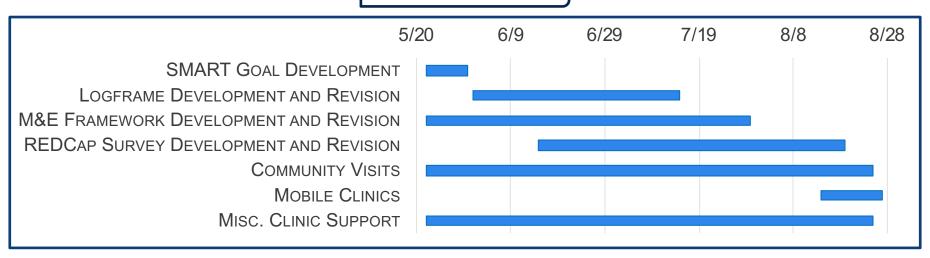
## Logistics

- Duration: May 22, 2018-August 28, 2018
- Supervisor: Lukas Riha, Chief Financial Officer
- Lived with Host Abuelita
- In clinic or office 3-4 days a week from 8AM-1PM
- In community 1-2 days a week from 8AM-1PM
- Spanish lessons 3-5 afternoons a week to improve communication with local staff and program participants

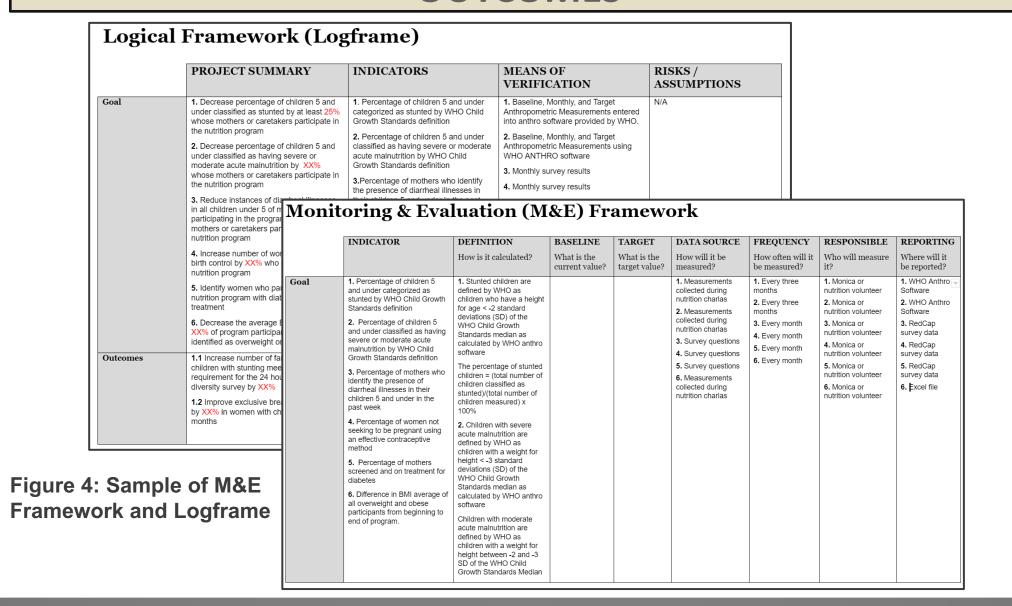
# **Primary Activities**

- Development and Revision of Nutrition Program's
- SMART Goals
- LogFrame
- •M&E Framework
- •REDCap Surveys
- Community Visits
- Supporting the startup of mobile clinics
- •Statistical analysis of results from Medicos Voladores

#### Timeline



## **OUTCOMES**



### DISCUSSION

- A monitoring and evaluation system was developed and implemented over a three month period for the nutrition outreach program.
- Results should allow the clinic to show stakeholders the outcome of the nutrition outreach program.

#### **Accomplishments**

- SMART goals provided direction for the purpose of the outreach program.
- •The REDCap surveys are
- straightforward to administer and require minimal training.
- Logframe and M&E document have already been used in grant applications and discussions.

#### **Limitations and Challenges**

- Inconsistent attendance of mothers in nutrition program
  Inconsistent flow of
- volunteers to administer surveys—putting greater burden on staff
- •Sufficient baseline data was not yet captured by the end of the practicum.

#### **Next Steps**

- Establish baseline data and make realistic and ambitious benchmark goals.
- Consider new strategies to increase regular attendance at nutrition programming.
- Analyze the first year of data.



Figure 5: Clinic Staff following mobile clinic in Bella Vista

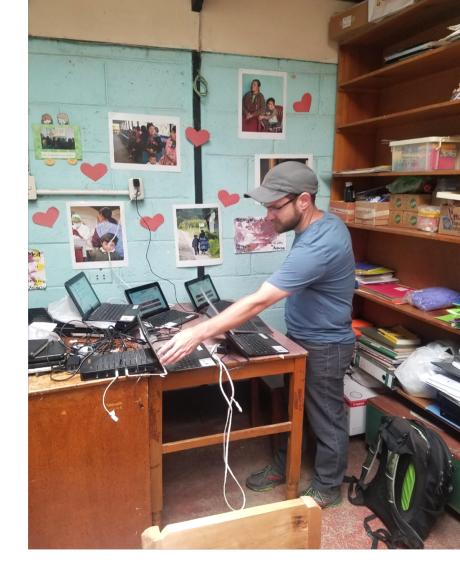


Figure 6: Uploading REDCap data

# **ACKNOWLEDGEMENTS**

- Thank you to the Overall Family Fellowship, the Vanderbilt Institute for Global Health, and the Vanderbilt MPH Program for funding support.
- Thank you to Primeros Pasos for welcoming us into their clinic family.

## **REFERENCES**

1. Prevalence of stunting, height for age (% of children under 5), The World Bank, https://data.worldbank.org/indicator/SH.STA.STNT.ZS. Accessed on January 15, 2019.