Pre-analysis Plan

Data analysis will be by intention to treat. Analyses will be conducted at the mother-infant dyad level, but will be adjusted for the cluster randomization. Primary analyses of the cross sectional assessment will compare the prevalence of stunting (height-for-age < -2 Z) in children 0-24 months using Pearson’s chi-square tests and 95% confidence intervals for the group difference, adjusted for clustering.

Secondary analyses will examine each outcome variable (height-for-age, feeding patterns, and mean nutrient intakes) taking account of the repeated measurements within children by using separate mixed models. We will use linear mixed models for continuous outcomes (e.g. height-for-age Z) and generalized linear mixed models for non-continuous outcomes (e.g. logistic mixed models for binary outcomes e.g. percentage exclusively breastfeeding). Models will include intervention/comparison group as a fixed effect, infants as a random effect to account for repeated measurements, and community-cluster as a random effect to account for cluster effects.