

Multi-Component Interventions on Girls' Outcomes

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Project Overview

This longitudinal study aimed to evaluate the effect of multi-component interventions on the life outcomes of girls ages 9-13 in the Upper Manya Krobo district of the Eastern region of Ghana, one of the poorest districts of Ghana.

Research Questions

- How much "exposure" to a given girl-centered interventions is needed to yield a specific outcome?
- To what extent, if any, do multi-component interventions (as opposed to single component) improve outcomes for girls?
- What is the threshold proportion of girls who need to participate in a program to bring about normative and behavioral change?

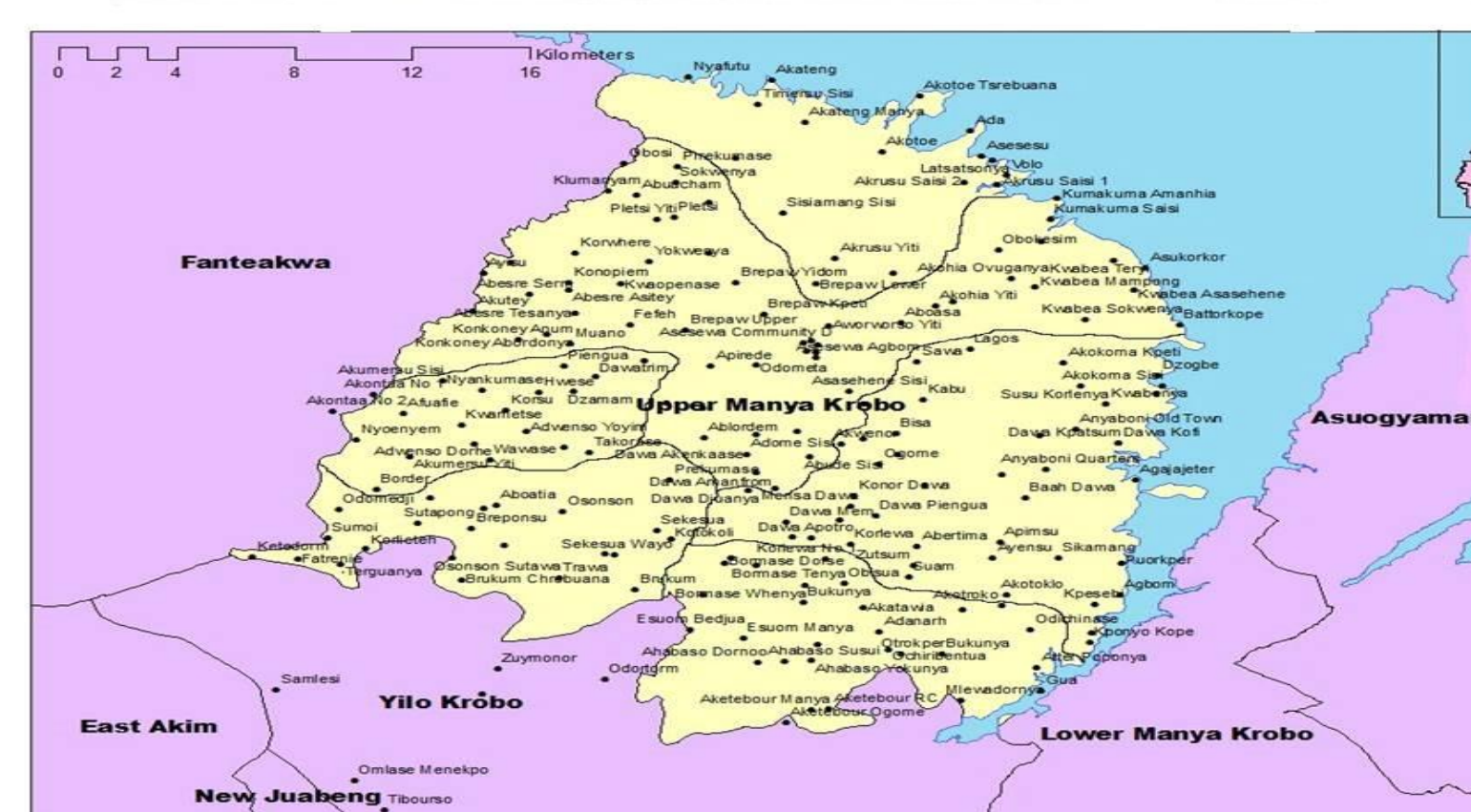
Indicators of Girls' Life Outcomes

Pre- and post- intervention randomized survey design allowed researchers to test for the effect of multi-component financial and social interventions on several key indicators:

- **Educational outcomes:** Drop-out rates, grade repetition, absenteeism, test scores
- **Financial literacy:** Financial competency, ties to local banking institutions, career aspirations
- **Nutritional indicators:** Levels of anemia, dietary intake, knowledge about healthy eating
- **Sexual and reproductive behavior:** sexual debut, number of partners, use of contraception

Sample

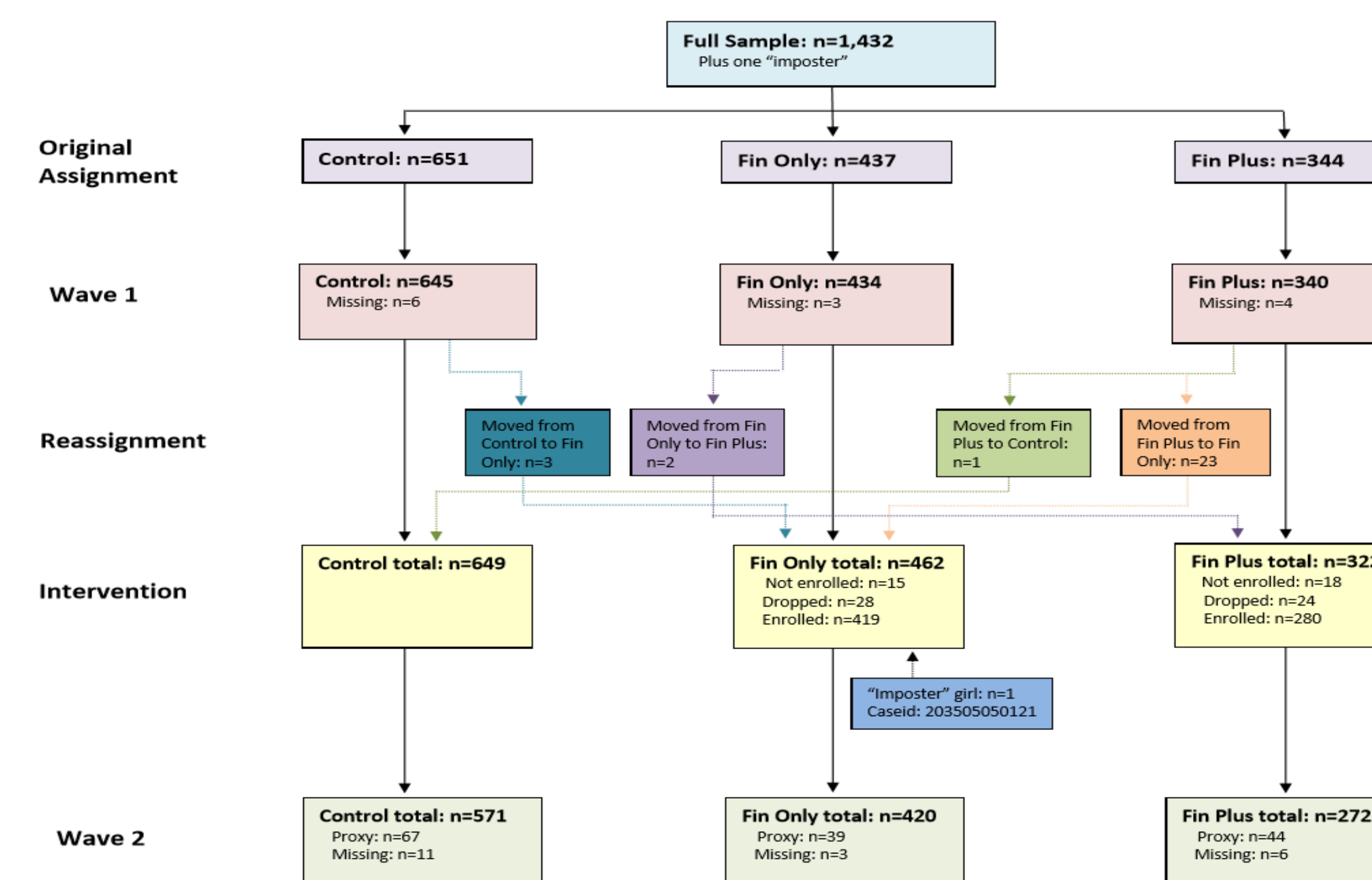
- **Sample location:** Upper Manya Krobo District, Eastern Region, Ghana
- **Sample collection:** Sub districts selected for intervention were chosen using a stratified sampling technique based on geographic strata. 60 village clusters were chosen from within these sub districts.
- **Sample size:** 1500 girls



Intervention Groups

Control Group	Financial Intervention Group	Financial Plus Intervention Group
<ul style="list-style-type: none"> • No intervention applied. 	<ul style="list-style-type: none"> • Training in financial literacy • Savings account use • Monetary educational incentives 	<ul style="list-style-type: none"> • Training in financial literacy • Savings account use • Monetary educational incentives • Weekly meetings with social mentors

Intervention Group Distribution



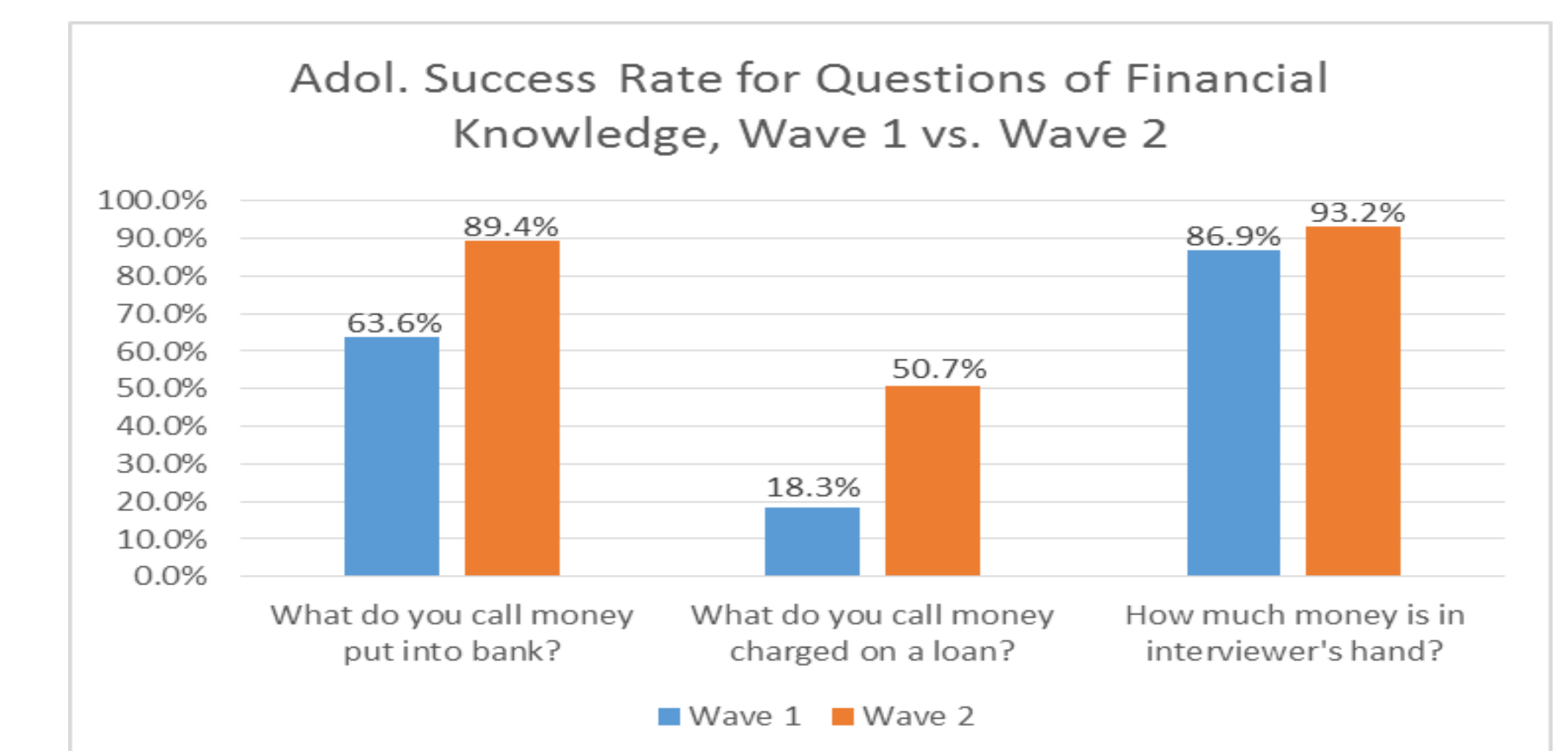
Procedure

Wave 1	Intervention	Wave 2	Wave 3
<ul style="list-style-type: none"> • Timeframe: May – June 2014 • Baseline survey data collected from 1,500 girls. • Survey questions aimed to assess key indicators pre-intervention. 	<ul style="list-style-type: none"> • Timeframe: July – August 2014 • Selected girls participated in financial literacy program • Savings accounts for selected girls were opened and social mentorship program began. 	<ul style="list-style-type: none"> • Timeframe: May – June 2015 • Survey data re-collected from as close to all 1,500 girls as possible. • Survey questions aimed to assess key indicators post-intervention. 	<ul style="list-style-type: none"> • Timeframe: May – August 2016 • Survey data re-collected from all 1,500 girls. • Survey questions aimed to assess key indicators post-second year of intervention.

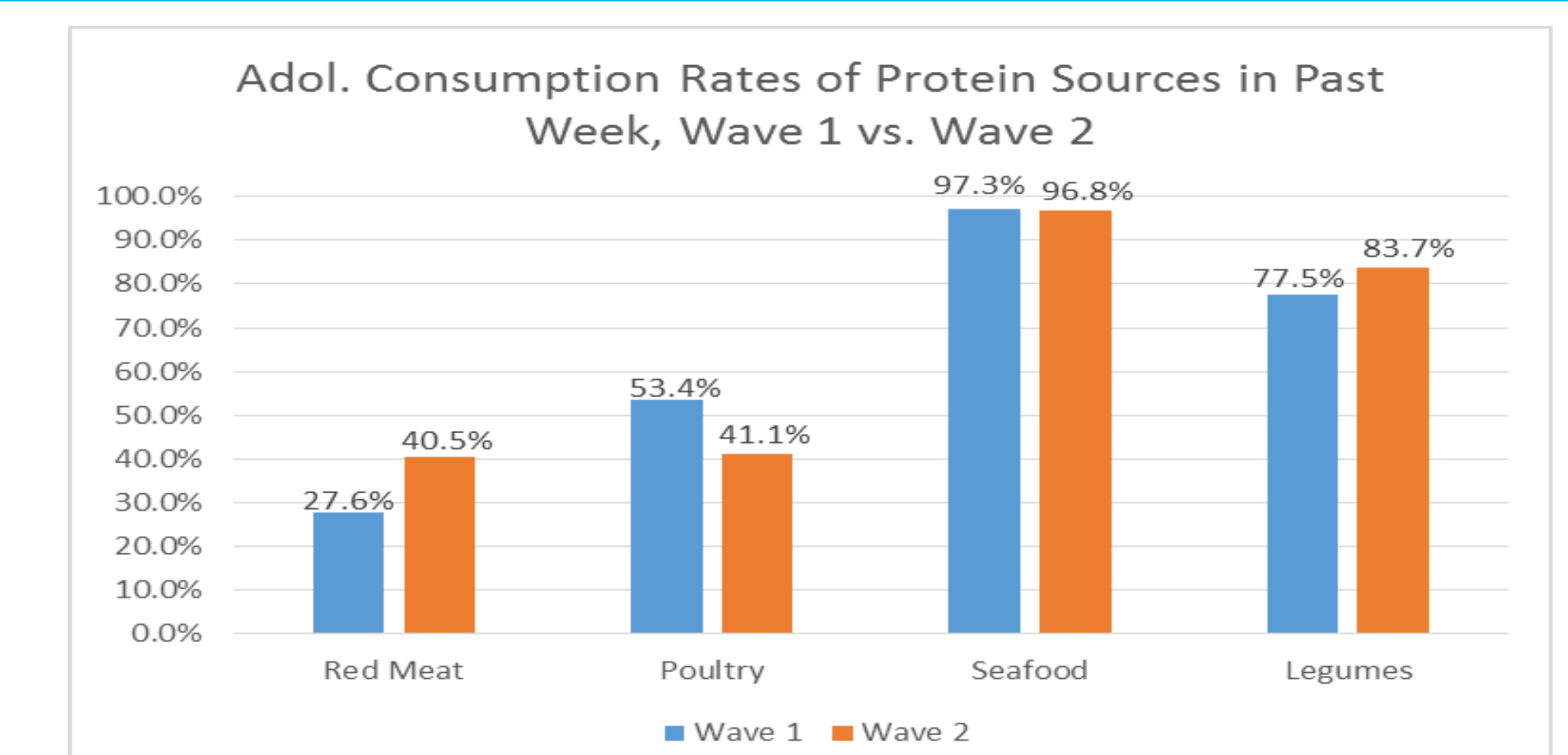
Adolescent School Attendance Rates

	Wave 2	Total
Wave 1	Currently in school	
Not in school	19	14
Currently in school	21	1,202
Total	40	1,216

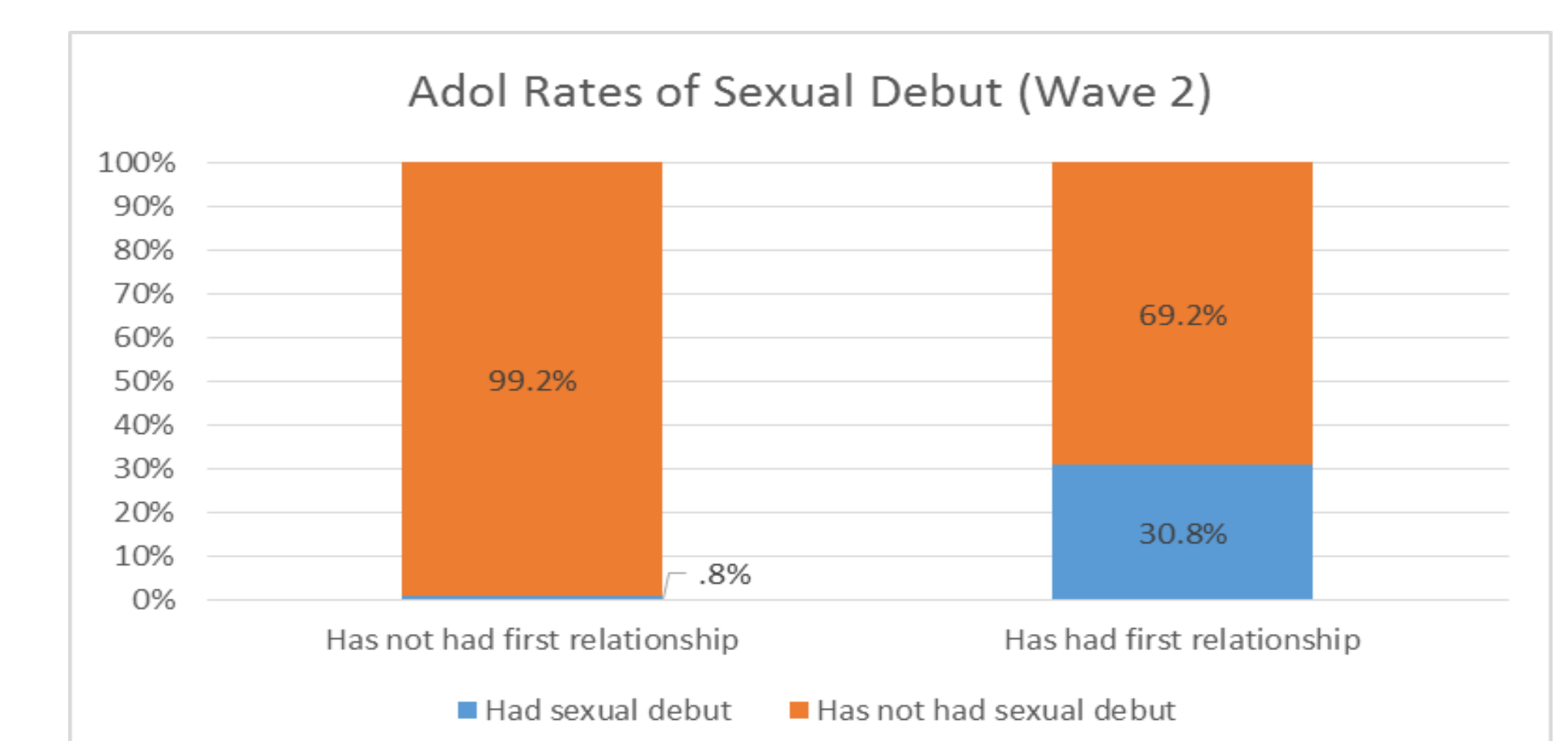
Adolescent Financial Literacy Rates



Adolescent Nutritional Indicators



Adolescent Sexual/Reproductive Behavior



Survey data on girls' sexual/reproductive behavior only available in Wave 2.