

Impact Evaluation of the Preschool Nutrition Pilot in Selected Counties of Xiangxi Prefecture, Hunan, PR China 01/09/2018-19/11/2021

Decentralized Evaluation Report

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Contents

Key	Key Personnel for the Evaluation		
Acknowledgements			
Disc	laimer	3	
List	List of Figures		
List of Tables		<i>i</i>	
Executive Summary		<i>i</i>	
1.	Introduction	1	
	1.1. Evaluation Features	1	
	1.2. Context	2	
	1.3. Subject Being Evaluated	4	
	1.4. Evaluation methodology, Limitations and Ethical Considerations	5	
2.	Evaluation Findings	16	
	2.1. Evaluation Question 1: What is the impact of nutrition program on nutrition and development of preschool children aged 3 and 5?	16	
	2.2. Evaluation Question 2: What is the impact of the nutrition program on local smallholders?	49	
	2.3. Evaluation Question 3: How appropriate is the program implementation?	. 55	
З.	Conclusions and Recommendations	62	
	3.1. Conclusions	. 62	
	3.2. Recommendations	. 63	
Annexes		65	
Anne	ex 1. Maps (in Chinese)	65	
Anne	ex 2. Timeline	70	
Anne	ex 3. Theory of Change	71	
Anne	ex 4. Evaluation Matrix	74	
Anne	ex 5. Data Collection Tools	79	
Anne	ex 6. Fieldwork Agenda	82	
Anne	ex 7. Methodology	84	
Anne	ex 8. The Impact of COVID-19	86	
Anne	Annex 9. Tables for Evaluation Results on Children's Nutrition and Development9		
Annex 10. Characteristics of the Contracted Farmers and the Contract Enforcement Practices 115			
Anne	Annex 11. Summary Terms of Reference		
Anne	Annex 12. Bibliography		
Acro	Acronyms		

List of Figures

Figure 1 Sampling framework and whereabouts one month before the endline survey in May 2021
Figure 2 Wealth distribution, by treatment status18
Figure 3 Prevalence of malnutrition in baseline and endline19
Figure 4 Prevalence of overweight and obesity by surveys19
Figure 5 Proportion of anemic children by treatment status and surveys
Figure 6 Heterogeneous program impact on the prevalence of anemia, by gender and age 21
Figure 7 Distribution of height for age z scores
Figure 8 Heterogeneous program impact on the prevalence of stunting, by gender
Figure 9 Prevalence of underweight among children24
Figure 10 Proportion of wasted children, by treatment status
Figure 11 Program impact on the prevalence of wasting and overweight for registered poor 26
Figure 12 Changes on children's cognitive ability by treatment status from Baseline to Endline . 29
Figure 13 The program's impact on children's VCI score in different poverty status
Figure 14 Heterogeneous analysis of the impact on children's cognitive ability in different groups
Figure 15 Percentage of children scored above the cutoff value in socio-emotional test
Figure 16 Distribution of children's social-emotional status in endline by treatment status
Figure 17 Abnormal rate of children's social-emotional status across baseline and endline, by treatment status
Figure 18 Program impact on the abnormal rate of hyperactivity
Figure 19 Distribution of nutrition knowledge scores of caregivers
Figure 20 Heterogeneous program impact on nutrition knowledge scores of caregivers, by wealth index
Figure 21 Distribution of nutrition knowledge scores of preschool staff
Figure 22 Average dietary diversity scores by treatment status over time
Figure 23 Differences of dietary diversity scores, by treatment status
Figure 24 Children's total food consumption by treatment assignment status over time, yuan per month
Figure 25 Differences of children's total food consumption by treatment assignment status, yuan per month
Figure 26 Children's different types of food consumption by treatment assignment status over time, yuan per month

Figure 27 Differences of children's different types of food consumption by treatment assignment status, yuan per month
Figure 28 Types of school meal provision in sample preschool over time, by treatment status 45
Figure 29 DDS for school meals over time, by treatment status
Figure 30 Changes of DDS for school meals, by treatment status
Figure 31 Interactive parenting by treatment assignment status
Figure 32 Times that caregivers showed love to the child yesterday by treatment status
Figure 33 Daily play alone time and screen time of the child by treatment status
Figure 34 Dietary diversity score of farmer households by treatment status in the endline survey
Figure 35 Individual food group consumption of farmer households by treatment status in the endline survey
Figure 36 Comparison of Nutrition Knowledge between Treatment and Comparison Groups 53

List of Tables

Table 1 Final sample size in the endline survey	. 14
Table 2 Baseline socio-demographic characteristics of study sample	. 17
Table 3 Disaggregated data for child cognitive ability at the endline	. 27
Table 4 Abnormal rate of child social emotional status at endline	. 34
Table 5 Program impact on the abnormal rate of total difficulties by gender, age and poverty status	
Table 6 Primary caregivers' nutrition knowledge scores	. 38
Table 7 Nutrition knowledge scores of preschool staff	. 39
Table 8 Contents of cost items included in each cost category	. 58
Table 9 Cost effectiveness calculations	. 60

Executive Summary

1. This is the Endline Report for the impact evaluation of WFP's Preschool Nutrition Pilot Program in selected counties of Hunan province in Central South China, a project that aims to improve nutrition, cognitive, and socio-emotional conditions of preschool children and to increase smallholders' agricultural production and income through providing school meal subsidy, upgrading kitchen facilities, enhancing nutrition education of caregivers and preschool personnel and involving local poor smallholder farmers in the preschool food supply chain.

2. Rapid economic growth over the past four decades has contributed to China's progress on eliminating early childhood malnutrition, concerns rise on prominent rural-urban disparities in early nutrition. The prevalence of anemia, stunting, and underweight among children under 5 were 5.38%, 1.12%, and 1.37% respectively in 2019, far below the set goals for the end of 2020 (12%, 7% and 5%, respectively). However, children under 5 in rural areas are more vulnerable than their peers in urban areas. Most recent national statistics showed that the stunting rate for rural children was 5.8% by 2020, higher than the national average level of 1.12%. In addition, nutrition status of rural children, especially in poor areas, are more vulnerable than urban children when facing economic shocks and unexpected events .

3. WFP China Country Strategic Plan (CSP) 2017-2021 commits to assist the country to achieve the national SDG target, which is reducing the stunting rate of children under 5 to below 7% and reducing anemia prevalence to less than 12% by 2020. Hunan province is prioritized in the CSP, given the concentration of poverty and prevalence of malnutrition there. Since 1980s, WFP has implemented three assistance programs in 12 counties/districts in Hunan province, and played an important role in rural infrastructure improvement and poverty alleviation in western Hunan.

4. By the time the nutrition pilot under discussion was introduced, as far as we know, there has been no national-level nutrition program in China targeting 3-5 years old. Although the government has targets for preschool enrolment, there is no platform for public food provision targeted at preschool aged children. Obviously, there is a gap to be filled. Therefore, WFP China Office seeks to fill this gap by introducing this nutrition pilot among preschoolers in Xiangxi Prefecture, Hunan Province.

5. The impact evaluation of this nutrition pilot is commissioned by the World Food Program (WFP) China Office and covers the period from April/2018 to November /2021¹. The purpose of this Endline Report is to: 1) overview the design and activities of the evaluation 2) document the fieldwork, data collection and management, and analyses of data from both the baseline and endline surveys; and 3) report key evaluation findings. The expected primary users for this endline report are the WFP China Office and its partners² in decision-making, notably related to program implementation.

6. Since the way that WFP selected the kindergartens/preschools for the interventions is not random, an experimental design with complete randomization was not achieved. To evaluate impact in the most methodologically rigorous manner for the context, a quasi-experimental design was used. Specifically, the team estimated the program impact by Differences-in-Differences (DID) methods to correct for observable and unobservable biases. Therefore, baseling (are treatment, conducted in September 2018) and and line

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