

## ENDLINE IMPACT EVALUATION AND ASSESSMENT

The endline survey has been launched to facilitate the impact evaluation and assessment of Swabhimaan Nutrition Demonstration Programme for adolescent girls and women. The main objectives of endline survey are listed below.

## Objectives

1. To assess the reduction in the proportion of adolescent girls and mothers of children under two years with a BMI<18.5.
2. To examine the improvement in mean mid-upper arm circumference (MUAC) among pregnant women over the intervention period (2016-2021).
3. To compare the baseline and endline data for estimating improvements in the coverage of key nutrition-specific and nutrition-sensitive interventions.
4. To assess the change in utilization of maternal health and nutrition services before and after the COVID 19 pandemic.

The endline survey protocol and tools were reviewed and approved by the TAG comprised of participants from UNICEF, IIPS, a national and an international consultant, on 6<sup>th</sup> February 2021. In a meeting held on 9<sup>th</sup> February 2021, the Institutional Review Board of IIPS gave ethical clearance to conduct the endline survey in Bihar, Chhattisgarh and Odisha.

## Sampling and Sample Size

The estimated sample size for the endline survey in Bihar, Odisha, Chhattisgarh was same as the baseline survey for comparison purposes. However, the sampling design and sample selection technique were modified to study the impact evaluation of system strengthening and community action interventions.

<b>States</b>	<b>Intervention</b>			<b>Control</b>			<b>Total (n)</b>
	<b>AG</b>	<b>PW</b>	<b>MU2</b>	<b>AG</b>	<b>PW</b>	<b>MU2</b>	
<b>Bihar</b>	875	374	1424	875	374	1424	5346
<b>Odisha</b>	531	374	1340	531	374	1340	4490
<b>Chhattisgarh</b>	1098	374	1098	1098	374	1098	5140

AG: Adolescent girls; PW: Pregnant women; MU2: Mothers of children under age 2 years

## Survey Tools and Data Collection

The questionnaires of the endline survey were bilingual i.e. in English and the local language. There were five interview schedules, namely, 1. Household, 2. Adolescent girls, 3. Pregnant women, 4. Mothers of children under two years, and 5. Children under age two years.

The endline survey covers various information on household characteristics, background characteristics, education, empowerment, food, diet diversity, nutrition and health related indicators. The major indicators covered in the survey are listed in Table 2.

<b>Table 2. Major indicators covered in the endline survey.</b>			
<b>Indicators</b>	<b>AG</b>	<b>PW</b>	<b>MU2</b>
Mean Dietary Diversity Score	*	*	*
Receiving minimum Dietary Diversity (5 out of 10 food groups)	*	*	*
Living in a household with iodized salt	*	*	*
Living in food secure households	*	*	*
Living in households with a kitchen garden	*	*	*
Living in households with a toilet or covered pit latrine	*	*	*
Using safe pads or sanitary pads	*		
Accessing adolescent health services (Kishori Diwas) in six months preceding the survey	*		
Attended at least three Kishori meetings in six months	*		
Receiving minimum PDS entitlement in month preceding survey	*	*	*
Receiving ICDS entitlement for supplementary food in month preceding survey		*	*
Received at least one ANC in 1 <sup>st</sup> trimester during current pregnancy or four ANCs in the last pregnancy		*	*
PW consuming at least 25 IFA tablets in the 2 <sup>nd</sup> or 3 <sup>rd</sup> trimester of current pregnancy or 100 or more IFA tablets during the last pregnancy		*	*
Received one dose of albendazole during current pregnancy or in the last pregnant (in 2 <sup>nd</sup> or 3 <sup>rd</sup> trimester)		*	*
Taken two calcium tablets current or the last pregnancy (in 2 <sup>nd</sup> or 3 <sup>rd</sup> trimester)		*	*
Weighed at least once during current pregnancy or 4-times in the last pregnancy		*	*
Use of modern family planning method		*	*
Accessed at least one of three social protection schemes (JSY, Adarsh Dampati Yojana)			*
Delivered in a health facility in last pregnancy			*
Attended at least three Maitri baithak meetings and three VHSND meetings in last year		*	*
Members of women's Ag-producer groups and have adopted at least 1 mix micronutrient-rich cropping methods, against previous practice (Mothers of children under two, who are members of farmer producer groups)		*	*
Questions related to intervention activities	*	*	*
<b>AG: Adolescent girls; PW: Pregnant women; MU2: Mothers of children under age 2 years.</b>			

<b>PDS:</b> Public Distribution System; <b>ICDS:</b> Integrated Child Development Scheme; <b>ANC:</b> Antenatal Care; <b>JSY:</b> Janani Suraksha Yojana; <b>VHSND:</b> Village Health Sanitation and Nutrition Day. * indicator covered
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Additionally, questions addressing the impact of COVID-19 on the services and their utilisation have been included in the questionnaire of endline survey.

The data was collected using Computer Assisted Personal Interview (CAPI). In Bihar and Odisha, data collection was started during March 2021, however, the data collection in Chhattisgarh will started from October 2021.

After the completion of data collection factsheets based on major findings will be prepared and the results will be disseminated in the respective states.