User Guide for the Senegal Migration Panel

3 – Core 2023

RWI – Leibniz Institute for Economic Research

Version: January 2025

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1. Introduction

A general introduction to the Senegal Migration Panel (SMP) can be found in "SMP - User guide - 1 Overview – 20250210.xlsx", providing an overview of all SMP surveys and waves, information about the sampling of wave 1 which all further sampling is based on, and linking households and individuals across surveys and waves.

This document provides a description of the SMP-*Core* 2023 surveys, their sampling and procedures, and how to use the data.

The SMP-Core 2023 surveys were funded by the *Leibniz Cooperative Excellence* program.

2. Description of surveys

Table 1 presents an overview of the different 2023 SMP-core surveys, their size and timing. 4,596 *Core*-household surveys and 3,000 *Core*-individual surveys were conducted in-person in 144 rural villages. When a *Core*-individual could not be conducted in-person, phone mop-up interviews were conducted after the in-person survey was completed (N=1,159).

The household head or a member knowledgeable about household matters responded to the *Core*-household survey, and a male aged 18 to 40 years to the *Core*-individual survey. The respondent of the *Core*-individual survey is a panel respondent who has previously been interviewed in wave 1.

The *Core*-household survey includes information on the household's socioeconomic characteristics and climate change adaptation, and climate perceptions of the respondent among other things. The *Core*-individual survey includes information on individual socioeconomic characteristics, migration attitudes and behavior, cognitive skills, climate change perceptions, wellbeing and risk preferences among other things.

In one village of Matam the chief of village did not give permission for the survey. This reduced the number of household and individual interviews by 47, and the number of villages to 144. In addition, 12 household interviews and 25 individual interviews were refused.

	Respondent	N sampled	N consented	Dates
Core-household	Household head or knowledgeable member	4,755	4,596	Oct. 7, 2023 - Nov. 7, 2023
Core-individual (in-person)	Male 18 to 40 years	4,755	3,000	Oct. 7, 2023 - Nov. 7, 2023
Core-individual (phone)	Male 18 to 40 years		1,159	Nov. 14, 2023 - Nov. 24, 2023

Table 1: Surveys, their sample sizes and dates conducted in 2023.

3. Sampling

The 2023 *Core*-household and *Core*-individual surveys include all households and individuals that were sampled for the 2022 (Wave 1) *Core*-household and *Core*-individual surveys and who

consented to participate in 2022. 4,814 households and individuals were targeted in 2022 and 59 were removed from the sample in 2023 due to: Core-individual survey respondents 1) appeared to be female (N=14 observations), 2) deceased (N=13), 3) and for various other reasons such as the respondents being deaf, or having joined the army among others (N=21), 4) and the household being a fusion household (N=11). This resulted in a 2023 *Core*-household and *Core*-individual sample of 4,755 households and individuals, respectively.

4. Survey procedures

All households were visited in person for the *Core*-household survey. The household head was the preferred respondent. When the household head was not available, enumerators asked about their whereabouts and whether they would be available the same day. If not, a knowledgeable member replaced the household head in responding to the *Core*-household survey. When the household head was not the respondent of the interview, enumerators were asked to note the reasons and to ensure that the alternative respondent was indeed a knowledgeable member of household affairs.

All respondents of the *Core*-individual survey were sought to be interviewed in-person. When the individual respondent was not available, household members were asked about his whereabouts. In case of short-term temporary absence, such as working in the fields or absence of a few days, a meeting was scheduled for a later date if the enumerator team would still be in the area. In case of longer absence or when scheduling was not possible, respondents were interviewed through a phone mop-up survey. The phone mop-up survey was conducted with the same questionnaire, reduced by some questions.

5. Fusion and duplicate households

Some households fused with other households since the last contact in the previous wave 1 (2022). For household interviews, only the head or knowledgeable member of the unified household was interviewed. For individual interviews, both respondents from the previous wave 1 were interviewed to keep the panel intact. Therefore, the household information is missing for the second individual interview.

There were two instances where the household and individual respondents were identical across two household IDs (which suggests that these households were already the same in the previous wave), and then only one Core-household and one Core-individual interview were conducted.

Table 2 lists the fusion cases in the 2023 *Core* survey. Column "hhid" indicates the household ID of the household that fused with the household of the ID indicated in column "fusion_hhid". Columns "household interview" and "individual interview" show the IDs of households as they appear in the 2024 *Core* survey data. Column "hhid_deleted" indicates which household IDs are not present in the 2023 survey when both the household and individual respondent were the same. The column "Comment" specifies which of the cases discussed here applies to the listed IDs.

hhid	fusion_hhid	household interview	individual interview	hhid_deleted	Comment
00030-012	00030-013	00030-012	00030-012 00030-013		Same household head, different individual.
11811-015	11811-053	11811-053	11811-053	11811-015	Same household head and same individual.

11917-067	11917-066	11917-066	11917-066 11917-067		Same household head, different individual.
10525-009	10525-049	10525-049	10525-049	10525-009	Same household head and same individual.

6. Data and materials

The *Core*-household and *Core*-individual surveys were implemented using one survey instrument and are therefore contained in one dataset. The individual survey phone mop-up data was merged onto the in-person data. The individual in-person and phone surveys have the same variable names when survey items were identical. Variable *phone_int* indicates whether the individual interview was in-person or on the phone.

- *smp_2023_survey_[date]:* Dataset in long format
- *SMP_2023_core_questionnaire.xlsx:* Survey instrument
- *SMP_2023_core_codebook_[date].pdf:* Codebook