

Title

Supplementary File 1: Household Survey Questionnaire

Introduction to participants

Dear Participant,

This questionnaire is intended for academic research on Solid Waste Management practices and reported Vector-borne disease exposure in West Point, Monrovia, Liberia. Participation is voluntary, and all responses will remain confidential.

Sections of the questionnaire

Section A: Demographic Characteristics

Occupation:

- I. Unemployed
- II. Self employed
- III. Employer
- IV. Employee

Section B: Household Knowledge, Attitude & Practices of MSWM

Knowledge	Yes	No
Do you know that improper waste disposal can cause diseases like malaria?		
Do you know the approved place for household waste disposal in this community?		
Are you aware of any municipal rules guiding household waste disposal?		

Attitude	SD	D	N	A	SA
Residents should pay waste fees for better waste collection services					
Improper solid waste disposal is acceptable during collection delays					

Source: Author, 2026 (Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)

Practices	N	R	S	O	A
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How often do you separate different types of waste before disposal?					
How often do you dump waste in open areas?					
How often do you throw trash in the street because there are not enough waste bins?					
How often do you use designated collection point for waste disposal?					

Source: Author, 2026 (Never, Rarely, Sometimes, Often, Always)

Section C: Household MSWM Practices

Storage	SD	D	N	A	S A
I use appropriate containers for storing solid waste before collection (e.g., bins over open piles)					
I use unsafe or open containers to store household waste					
Solid waste remains in storage for a long time before collection or disposal					

Source: Author, 2026 (Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)

Collection	N	R	S	O	A
Is your waste collected from your household by municipal or private waste collectors once every week?					
How often do you experience delays or missed waste collection?					
Do you pay fees for solid waste collection services?					

Source: Author, 2026 (Never, Rarely, Sometimes, Often, Always)

Disposal	SD	D	N	A	SA
Our wastes are disposed at the back of the yard					
I dump my waste at a designated dumpsite, which is far from the main road					

Source: Author, 2026 (Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)

Section D: Household Vector-Borne Disease Exposure

Vector-Borne Disease	SD	D	N	A	SA
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Family members have been diagnosed with malaria or dengue in the past months					
I have observed an increase in flies, mosquitoes, or rodents due to waste accumulation in my area					

Source: Author, 2026 (Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree)