**Supplementary Material for “Restoring Confidence in Post-Conflict Security Sectors: Survey Evidence from Liberia on Female Ratio Balancing Reforms**”

**Survey Implementation**

The survey was conducted in September 2015. Each day, the survey team (the Center for Applied Research and Training) composed of Liberian male and female enumerators went to a different location in the community and started a random walk procedure. They were instructed to roll a die to choose which streets to go through and then to survey every other household. This technique is standard if addresses are not available. If the selected person was not home, the enumerators returned to do the interview. Non-response was not an issue because enumerators returned to the houses until the randomly selected person was available for an interview. Female enumerators surveyed female respondent and male enumerators surveyed male respondents.

One concern may be that self-reporting may not yield the most accurate responses. While self-reporting may be problematic, the study took several precautions to ensure that the respondents answered as honestly as possible. The study hired and trained Liberian enumerators of both sexes, who had previous experience conducting surveys. The enumerators ensured that the questions were culturally appropriate and written colloquially. Enumerators conducted a pilot test of the questions to ensure the validity of the questions. Village elders gave permission for the study, which ensured that people trusted the enumerators.

If questions were deemed to be sensitive, they were not included in the survey. Questions were deemed sensitive if during the pilot phase, they received many “refuse to answers” or “I don’t know” responses. In the final survey, there were very few questions where people refused to answer. There was no non-response for the contact questions (IVs) nor for the questions on preferences (DV questions). Two people did not answer the bribery question; one person did not answer the question about contact with UNMIL/contact with female peacekeepers. Eight people did not answer whether they were a member of a secret society. This question could be considered sensitive, but most surveys in Liberia ask the question. Three people did not respond to the question about whether they have been a victim of a crime. There were many (30 to be specific) “I don’t know” answers for the question about whether UNMIL has been positive or not for Liberia, which is not surprising given that many people have not had contact with peacekeepers (81%). Twelve people did not respond to the question about participation in an armed group. This also may be considered a sensitive question, but most surveys in Liberia also ask about it. Six people did not answer the question about whether they had experienced violence during the war. Again, this could be a sensitive question, but is asked in most surveys.

**Extended Analysis of West Point and Peace Island Survey**

|  |
| --- |
| **WEST POINT AND PEACE ISLAND SURVEY**  |
| **Variable**  | **Proportion** | **Mean** | **Standard Deviation** | **Minimum** | **Median**  | **Maximum**  |
| Control/Balance Variables  |  |  |  |  |  |  |
| Age |  | 33 | 12 | 18 | 30 | 83 |
| Gender Equality Index[[1]](#footnote-1)  |  | 7.35 | 1.74  | 0 | 8 | 12 |
| Female | 0.56 |  |  |  |  |  |
| Have children  | 0.77 |  |  |  |  |  |
| Armed Group | 0.05 |  |  |  |  |  |
| Member of Poro or Sande Society  | 0.14 |  |  |  |  |  |
| Muslim | 0.11 |  |  |  |  |  |
| Victim of Crime  | 0.43 |  |  |  |  |  |
| Experienced of War-time Violence  | 0.41 |  |  |  |  |  |
| Can read  | 0.65 |  |  |  |  |  |
| Correct Answer for: “You are participating in a race. You overtake the person in second place. What position are you in?” | 0.51 |  |  |  |  |  |
| Did you pay any LNP officer to help you at any time? | 0.49 |  |  |  |  |  |
| No contact with UNMIL | 0.81 |  |  |  |  |  |
| Contact with Female Peacekeeper  | 0.08 |  |  |  |  |  |
| Liberia is better off today with UNMIL than without UNMIL | 0.78 |  |  |  |  |  |
| Live in West Point  | 0.50 |  |  |  |  |  |
| Independent Variables |  |  |  |  |  |  |
| Contact with female LNP only | 0.45 |  |  |  |  |  |
| Contact with male LNP only | 0.27 |  |  |  |  |  |
| No contact with police  | 0.31 |  |  |  |  |  |
| Dependent Variables  |  |  |  |  |  |  |
| Prefer LNP to provide general security  | 0.42 |  |  |  |  |  |
| Prefer LNP to respond to armed conflict  | 0.33 |  |  |  |  |  |
| Prefer LNP to respond to riot | 0.48 |  |  |  |  |  |
| Prefer LNP to respond to rape  | 0.31 |  |  |  |  |  |
| Prefer LNP to respond to domestic violence  | 0.42 |  |  |  |  |  |
| The UN should extend its mission here in Liberia | 0.68 |  |  |  |  |  |
| Prefer female LNP to respond to rape  |  |  |  |  |  |  |

*Balance of individuals that have contact with female LNP/peacekeeper and those that do not*

|  |  |  |
| --- | --- | --- |
|  | Contact with Female LNP(N=530) | Contact with Male LNP(N=349)  |
| Female | 0.50\*\* |  0.56\*\* |
| Average Age | 34\*\*\* | 30\*\*\* |
| Average Household Income | 50-100 USD per month  | 50-100 USD per month |
| Have children  | 0.75 | 0.72 |
| Live in West Point | 0.47\* | 0.52\* |
| Participated in armed group | 0.07 | 0.05 |
| Pay a bribe to the police  | 0.73\*\*\* | 0.64\*\*\* |
| Experienced wartime trauma  | 0.44 | 0.44 |
| Think positively of UNMIL | 0.79 | 0.80 |
| Contact with UNMIL | 0.20 | 0.20 |
| Cognitive Ability[[2]](#footnote-2)  | 0.51 | 0.51 |
| Can Read | 0.66 | 0.74 |
| Muslim | 0.12\* | 0.08\* |
| Experienced a Dispute  | 0.49 | 0.45 |
| Average Women’s Right and Empowerment Index  | 7.3  | 7.3  |
| Member of Poro or Sande society  | 0.20\*\*\* | 0.10\*\*\* |
| Contact with female peacekeepers | 0.11\*\*\* | 0.06\*\*\* |
| Note:\*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Note on Imbalance: The Relationship between Female LNP and Female UNMIL*

That those who have contact with female LNP officers also have contact with female peacekeepers may be due to the fact that female peacekeepers are more likely to mentor female LNP officers, which means that when they go into the field, female LNP officers may be more likely to be accompanied by female peacekeepers. This suggestion comes from informal interviews conducted with female LNP officers and female peacekeepers in July 2012 and 2014. It should be noted that not all patrols are joint; the vast majority are not. Sometimes it is possible that female peacekeepers will accompany Liberian LNP females in the field, but this is not a common occurrence. In other words, a female peacekeeper rarely goes into the community alone, whereas a female LNP officer often does. Thus, contact with female LNP officers and female peacekeepers may sometimes happen simultaneously. Regardless, individuals are able to make a distinction between the two actors.

*Coefficient Table for Male Police Only*

|  |  |
| --- | --- |
|  | Dependent Variable: Police Response  |
|  | Provide Security  | Armed Violence  | Riot  | Rape  | Beating  |
| Constant  | -0.29 (0.30) | -0.77\*\* (0.32) | -0.50\* (0.29) | -1.07\*\*\* (0.33) | -0.44 (0.31) |
| Contact with Male Officer Only  | -0.23 (0.15) | -0.26\* (0.15) | -0.35\*\* (0.14) | -0.28\* (0.16) | -0.43\*\*\* (0.15) |
| No contact with a police officer  | -0.22 (0.18) | -0.39\*\* (0.18) | -0.44\*\* (0.17) | -0.43\*\* (0.18) | -0.18 (0.17) |
| Female  | -0.22\* (0.12) | -0.27\*\* (0.13) | 0.24\* (0.12) | -0.22\* (0.13) | -0.46\*\*\* (0.13) |
| Age  | 0.01\* (0.005) | 0.01\*\* (0.01) | 0.01\*\*\* (0.005) | 0.004 (0.01) | -0.001 (0.005) |
| West Point  | -0.03 (0.12) | 0.07 (0.12) | 0.15 (0.11) | 0.31\*\* (0.12) | 0.28\*\* (0.12) |
| Pay a Bribe to Police  | -0.23 (0.15) | -0.24 (0.16) | -0.27\* (0.15) | -0.50\*\*\* (0.16) | -0.46\*\*\* (0.15) |
| No UNMIL contact  | -0.003 (0.19) | 0.25 (0.20) | 0.16 (0.18) | 0.64\*\*\* (0.22) | 0.79\*\*\* (0.21) |
| Female UNMIL contact  | -0.45 (0.29) | 0.18 (0.29) | -0.15 (0.27) | 0.36 (0.31) | 0.84\*\*\* (0.29 |
| Secret Society  | -0.04 (0.03) | 0.02\* (0.01) | 0.01 (0.01) | -0.03 (0.02) | 0.01 (0.01) |
| Muslim  | 0.25 (0.19) | 0.29 (0.19) | 0.13 (0.18) | -0.005 (0.20) | -0.61\*\*\* (0.20) |
| Crime Victim | -0.15 (0.12) | -0.32\*\* (0.13) | 0.02 (0.02) | 0.03 (0.03) | 0.02 (0.02) |
| Observations  | 1,276 | 1,276 | 1,276 | 1,276 | 1,276 |
| Log Likelihood | -836.07 | -789.15 | -869.33 | -769.93 | -834.29 |
| Akaike Inf. Crit. | 1,696.13 | 1,602.31 | 1,762.67 | 1,563.87 | 1,692.59 |
| Note:  | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Coefficient Table: No Contact with Police*

|  |  |
| --- | --- |
|  | Dependent Variable: Police Response  |
|  | Provide Security  | Armed Violence  | Riot  | Rape  | Beating  |
| Constant  | -0.51\* (0.28) | -1.16\*\*\* (0.30) | -0.95\*\*\* (0.28) | -1.50\*\*\* (0.31) | -0.62\*\* (0.29) |
| Contact with Male Officer Only  | -0.01 (0.18) | 0.13 (0.19) | 0.10 (0.18) | 0.15 (0.19) | -0.25 (0.18) |
| Contact with Female Officer Only | 0.22 (0.18) | 0.39\*\* (0.18) | 0.44\*\* (0.17) | 0.43\*\* (0.18) | 0.18 (0.17) |
| Female  | -0.22\* (0.12) | -0.27\*\* (0.13) | 0.24\* (0.12) | -0.22\* (0.13) | -0.46\*\*\* (0.13) |
| Age  | 0.01\* (0.005) | 0.01\*\* (0.01) | 0.01\*\*\* (0.005) | 0.004 (0.01) | -0.001 (0.005) |
| West Point  | -0.03 (0.12) | 0.07 (0.12) | 0.15 (0.11) | 0.31\*\* (0.12) | 0.28\*\* (0.12) |
| Pay a Bribe to Police  | -0.23 (0.15) | -0.24 (0.16) | -0.27\* (0.15) | -0.50\*\*\* (0.16) | -0.46\*\*\* (0.15) |
| No UNMIL contact  | -0.003 (0.19) | 0.25 (0.20) | 0.16 (0.18) | 0.64\*\*\* (0.22) | 0.79\*\*\* (0.21) |
| Female UNMIL contact  | -0.45 (0.29) | 0.18 (0.29) | -0.15 (0.27) | 0.36 (0.31) | 0.84\*\*\* (0.29) |
| Secret Society  | -0.04 (0.03) | 0.02\* (0.01) | 0.01 (0.01) | -0.03 (0.02) | 0.01 (0.01) |
| Muslim  | 0.25 (0.19) | 0.29 (0.19) | 0.13 (0.18) | -0.005 (0.20) | -0.61\*\*\* (0.20) |
| Crime Victim | -0.15 (0.12) | -0.32\*\* (0.13) | 0.02 (0.02) | 0.03 (0.03) | 0.02 (0.02) |
| Observations  | 1,276 | 1,276 | 1,276 | 1,276 | 1,276 |
| Log Likelihood | -836.07 | -789.15 | -869.33 | -769.93 | -834.29 |
| Akaike Inf. Crit. | 1,696.13 | 1,602.31 | 1,762.67 | 1,563.87 | 1,692.59 |
| Note:  | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Coefficient Table: Female Only Sample*

|  |  |
| --- | --- |
|  | Dependent Variable: Police Response  |
|  | Provide Security | Armed Violence | Riot | Rape | Beating |
| Constant | -0.37 (0.39) | -2.43\*\*\* (0.46) | -0.36 (0.39) | -2.41\*\*\* (0.54) | -1.42\*\*\* (0.45) |
| Female Officer | 0.33 (0.21) | 0.22 (0.22) | 0.55\*\*\* (0.20) | 0.99\*\*\* (0.23) | 1.25\*\*\* (0.22) |
| No Officer | 0.09 (0.24) | 0.24 (0.26) | -0.21 (0.23) | 0.15 (0.26) | 0.85\*\*\* (0.25) |
| Age | 0.01 (0.01) | 0.02\*\* (0.01) | 0.01 (0.01) | -0.004 (0.01) | -0.02\*\* (0.01) |
| West Point | 0.18 (0.16) | 0.13 (0.17) | 0.15 (0.15) | 0.45\*\*\* (0.17) | 0.48\*\*\* (0.16) |
| Pay a Bribe | -0.002 (0.21) | 0.52\*\* (0.23) | -0.08 (0.20) | -0.16 (0.22) | -0.26 (0.22) |
| No UNMIL contact | -0.66\*\* (0.27) | 0.55 (0.34) | -0.05 (0.28) | 1.11\*\* (0.45) | 0.69\*\* (0.34) |
| Female UNMIL Contact | -0.03 (0.60) | -0.30 (0.74) | -1.60\*\* (0.67) | 0.49 (0.75) | -15.81 (607.50) |
| Secret Society | -0.02 (0.03) | -0.04 (0.06) | -0.26 (0.24) | -0.02 (0.03) | -0.17 (0.25) |
| Muslim | 0.13 (0.28) | 0.07 (0.29) | -0.21 (0.27) | 0.04 (0.30) | -0.60\*\* (0.30) |
| Crime Victim | -0.04 (0.07) | -0.05 (0.09) | 0.12 (0.16) | 0.04 (0.03) | 0.02 (0.02) |
| Observations | 722 | 722 | 722 | 722 | 722 |
| Log Likelihood | -465.19 | -425.35 | -485.72 | -412.06 | -441.86 |
| Akaike Inf. Crit. | 952.37 | 872.71 | 993.43 | 846.13 | 905.71 |
| Observations | 722 | 722 | 722 | 722 | 722 |
| Note: | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Coefficient Table: Male Only Sample*

|  |  |
| --- | --- |
|  | *Dependent Variable* |
|  | Provide Security | Armed Violence | Riot | Rape | Beating |
| Constant | -0.66 (0.43) | 0.05 (0.44) | -0.78\* (0.43) | -0.17 (0.45) | -0.44 (0.43) |
| Female Officer | 0.21 (0.22) | 0.26 (0.23) | 0.26 (0.22) | -0.62\*\*\* (0.23) | -0.40\* (0.22) |
| No Officer | -0.05 (0.29) | -0.42 (0.29) | 0.25 (0.29) | -0.44 (0.29) | -0.32 (0.29) |
| Age | 0.01\* (0.01) | 0.01 (0.01) | 0.02\*\*\* (0.01) | 0.01\* (0.01) | 0.01\*\* (0.01) |
| West Point | -0.25 (0.18) | 0.03 (0.19) | 0.19 (0.18) | 0.10 (0.19) | 0.07 (0.18) |
| Pay a Bribe | -0.54\*\* (0.23) | -1.01\*\*\* (0.23) | -0.45\*\* (0.23) | -0.98\*\*\* (0.24) | -0.72\*\*\* (0.23) |
| No UNMIL contact | 0.46\* (0.27) | -0.19 (0.28) | -0.03 (0.27) | -0.01 (0.29) | 0.59\*\* (0.28) |
| Female UNMIL Contact | -0.35 (0.36) | -0.20 (0.36) | -0.07 (0.34) | -0.08 (0.37) | 1.05\*\*\* (0.35) |
| Secret Society | -0.13 (0.25) | 0.33 (0.26) | 0.46\* (0.25) | -0.04 (0.03) | 0.86\*\*\* (0.26) |
| Muslim | 0.37 (0.26) | 0.47\* (0.26) | 0.47\* (0.26) | 0.01 (0.28) | -0.71\*\* (0.28) |
| Observations | 554 | 554 | 554 | 554 | 554 |
| Log Likelihood | -358.19 | -340.72 | -358.46 | -329.75 | -353.61 |
| Akaike Inf. Crit. | 738.38 | 703.45 | 738.91 | 681.51 | 729.23 |
| Note: | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Coefficient Table: Perceptions of Safety Based on Contact*

 *(Robustness Check for H1)*

|  |  |
| --- | --- |
|  | Dependent Variable: I feel safer when the LNP are in my community (Agree)  |
|  | Model 1 | Model 2 | Model 3 |
| Constant | 1.67\*\*\* (0.27) | 1.98\*\*\* (0.28) | 1.33\*\*\* (0.24) |
| Female Officer Only | 0.31\*\* (0.15) |  | 0.60\*\*\* (0.20) |
| Male Officer Only |  | -0.31\*\* (0.15) | 0.29 (0.21) |
| No Contact with Officer | -0.29 (0.20) | -0.60\*\*\* (0.21) |  |
| Female | -0.22\* (0.13) | -0.22\* (0.13) | -0.22\* (0.13) |
| Age | -0.01\*\* (0.005) | -0.01\*\* (0.005) | -0.01\*\* (0.005) |
| West Point | 0.23\* (0.12) | 0.23\* (0.12) | 0.23\* (0.12) |
| Pay a Bribe to Police | -1.35\*\*\* (0.18) | -1.35\*\*\* (0.18) | -1.35\*\*\* (0.18) |
| Poro or Sande Society | -0.52\* (0.03) | -0.05 (0.03)  | -0.05 (0.03) |
| Muslim | 0.19 (0.21) | 0.19 (0.21) | 0.19 (0.21) |
| Crime Victim | -0.004 (0.02) | -0.004 (0.02) | -0.004 (0.02) |
| Observations | 1,279 | 1,279 | 1,279 |
| Akaike Inf. Crit. | 1560.0 | 1561.5 | 1561.5 |
| Note:  | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

*Coefficient Table: Perceptions of Fairness Based on Contact*

 *(Robustness Check for H2)*

|  |  |
| --- | --- |
|  | Dependent Variable: Are the ways the LNP cut case usually respectful to the traditions and beliefs of the people who live in your community? (Yes)  |
|  | Model 1 | Model 2 | Model 3 |
| Constant | 1.89\*\*\* (0.26) | 2.42\*\*\* (0.27) | 1.55\*\*\* (0.23) |
| Female Officer Only | 0.52\*\*\* (0.15) |  | 0.88\*\*\* (0.19) |
| Male Officer Only |  | -0.53\*\*\* (0.15) | 0.35\* (0.19) |
| No Contact with Officer | -0.35\* (0.17) | -0.88\*\*\*(0.19) |  |
| Female | -0.58\*\*\* (0.12) | -0.58\*\*\* (0.12) | -0.58\*\*\* (0.12) |
| Age | -0.03\*\*\* (0.005) | -0.03\*\*\* (0.005) | -0.03\*\*\* (0.005) |
| West Point | 0.07 (0.12) | 0.07 (0.12) | 0.07 (0.12) |
| Pay a Bribe to Police | -1.05\*\*\* (0.16) | -1.05\*\*\* (0.16) | -1.05\*\*\* (0.16) |
| Poro or Sande Society | -0.05 (0.05) | -0.05 (0.05) | -0.05 (0.05) |
| Muslim | -0.58\*\*\* (0.19) | -0.58\*\*\* (0.19) | -0.58\*\*\* (0.19) |
| Crime Victim | 0.07 (0.09) | 0.07 (0.09) | 0.07 (0.09) |
| Observations | 1,279 | 1,279 | 1,279 |
| Akaike Inf. Crit. | 1661.7 | 1661.7 | 1,706.91 |
| Note:  | \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

**External Validity: Norwegian Refugee Council Survey**

In order to ensure that the results are not unique to West Point and Peace Island, a few questions were added to a survey conducted by The Norwegian Refugee Council (NRC) in four rural Liberian counties. The 32 communities were selected purposively as part of an endline assessment of an NGO program implemented jointly by the NRC, Danish Refugee Council (DRC), and the Food and Agriculture Organization of the UN.[[3]](#footnote-3) The total sample included 595 individuals in 32 villages from Nimba, Lofa, Grand Gedeh, and Maryland Counties.[[4]](#footnote-4) The sample is *not* limited to individuals that live in ex-combatant communities.

In this survey, questions about contact with the LNP and contact with females in the LNP were included. In contrast to West Point and Peace Island, where 36 per cent of individuals that had disputes had contact with female LNP officers, in the rural counties, only 11 per cent (67 out of 595) had contact with female LNP officers.

To measure confidence in the security sector (Hypothesis 1a), the following questions was asked: if there is a hala hala (fight) between two tribes or religions in your community, who would you most like to resolve the situation? The answers included the following choices: LNP, AFL, UNMIL, community leaders, community watch team, or traditional leaders.[[5]](#footnote-5) Though not identical to the questions in the West Point and Peace Island survey, the question, nonetheless, provides some measure of confidence for the LNP. The logit model includes age, sex, ability to read, no contact with police, and county fixed effects as control variables. Thus, using the survey, the external validity of whether contact with female LNP leads to the expected outcomes is checked—among individuals living in rural counties, instead of among individuals who have experienced disputes in urban, ex-combatant communities.

***Norwegian Refugee Council Survey***

*Security Contact*

In the last year, did you have any contact with a female LNP officer?

0-No

1-Yes

97-Dont know

98-Refuse to answer

In the last year, did you have any contact with the LNP?

0-No

1-Yes

97-Dont know

98-Refuse to answer

If there is a hala hala between two tribes or religions in your community, who you would most like to resolve the situation?

1-LNP

2-AFL

3-UNMIL

4-Community leaders

5-Community watch team

6-Traditional leaders

88-Other

97-Don't know

98-Refuse to answer

|  |
| --- |
| **NORWEGIAN REFUGEE COUNCIL SURVEY**  |
| **Variable**  | **Proportion** | **Mean** | **Standard Deviation** | **Minimum** | **Median**  | **Maximum**  |
| Control Variables  |  |  |  |  |  |  |
| Age |  | 43.1 | 14.3 | 25 | 45 | 70 |
| Female | 0.42 |  |  |  |  |  |
| House burned | 0.51 |  |  |  |  |  |
| Displaced during war | 0.42 |  |  |  |  |  |
| Can read | 0.37 |  |  |  |  |  |
| Live in Grand Gedeh County  | 0.26 |  |  |  |  |  |
| Live in Maryland County  | 0.33 |  |  |  |  |  |
| Live in River Gee County  | 0.21 |  |  |  |  |  |
| Live in Nimba County  | 0.20 |  |  |  |  |  |
| Independent Variables |  |  |  |  |  |  |
| Contact with female LNP  | 0.11 |  |  |  |  |  |
| Contact with male LNP | 0.16 |  |  |  |  |  |
| No contact with LNP | 0.73 |  |  |  |  |  |
| Dependent Variables  |  |  |  |  |  |  |
| Prefer LNP to respond to hala hala  | 0.22 |  |  |  |  |  |
| Prefer LNP to respond to murder  | 0.58 |  |  |  |  |  |
| Prefer LNP to respond to noise in community  | 0.33 |  |  |  |  |  |
| Prefer UNMIL to respond to hala hala, murder, or noise in the community  | 0.02 |  |  |  |  |  |

Table 4: Contact with Police in Rural Liberian Counties

|  |  |
| --- | --- |
|  | Dependent Variable: LNP Responds to Hala Hala |
|  | Model 1 | Model 2 | Model 3 |
| Constant | -1.03\*\* (0.50) | -1.21\*\*\* (0.44) | 0.14 (0.51) |
| Contact with Female Police | 0.88\*\* (0.38) | 1.06\*\*\* (0.30) |  |
| Contact with Male LNP | -0.25 (0.31) |  | -1.39\*\*\* (0.33) |
| No Contact with Police |  | -0.08 (0.29) | -1.26\*\*\* (0.38) |
| Displaced during war | -0.55\*\* (0.28) | -0.56\*\* (0.28) | -0.51\* (0.28) |
| House burned during war | 0.42\* (0.24) | 0.43\* (0.24) | 0.36 (0.24) |
| Age | -0.004 (0.01) | -0.004 (0.01) | -0.004 (0.01) |
| Female | 0.07 (0.24) | 0.04 (0.24) | 0.06 (0.24) |
| Can Read | 0.15 (0.24) | 0.18 (0.24) | 0.12 (0.24) |
| Nimba | -0.79\*\* (0.35) | -0.78\*\* (0.35) | -0.68\*\* (0.34) |
| River Gee | -0.27 (0.30) | -0.30 (0.30) | -0.25 (0.30) |
| Grand Gedeh | -0.07 (0.30) | -0.06 (0.30) | -0.06 (0.30) |
| Observations | 554 | 554 | 558 |
| Log Likelihood | -274.99 | -275.27 | -275.80 |
| Akaike Inf. Crit. | 571.99 | 572.53 | 573.60 |
| Note:\*p<0.1; \*\*p<0.05; \*\*\*p<0.01 |

**West Point and Peace Island Survey**

**HOUSEHOLD CODE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**INTRODUCTION**

**MATERIALS**: **1 newspaper (the same one used for everyone and all teams), pens, survey, 2 dice, envelopes for donations**

**SAMPLING**

You will go to West Point and Peace Island each day and start from a DIFFERENT spot everyday. In each district you will do a random walk and hit 7-8 households per day. At the household, you will select a randomly selected person from the household. You will do this by asking how many people are in the household and then randomly select one using the dice. You must return to the household to interview this person if he or she is not home.

How many live in the household? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill out the information for everyone in the household, including children. If the person was selected, circle selected and then whether the person was present or not present. If the person was not present, but will be back, you must come back to interview the person. But, if the person is away for a long period (so select not present) you must select a new person randomly.

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

Male Female Age Selected Present /Not Present Reason:

**If the person you have selected is not present, you must return to the house to meet this person to survey them. Make an appointment or call them to meet.**

Survey complete of randomly selected person? Yes No

Return Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Return Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Return Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Survey complete at return date (return day)? Yes No

**CONSENT**

**HOUSEHOLD CODE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Thank you for your interest in our research study on security issues in Liberia. We are from the Center for Applied Research and Training, a Liberian organization. The study is also going to be used by Essex University and is funded by the British Research Council. They will use some of the information to publish some reports, but your name will never be used. The answers will be secret and answers will be protected and unable to be traced back to you. We would like to tell you everything you need to think about before you decide whether or not you would like your answers to be a part of the study. It is entirely your choice whether you would like to have your survey answers included in the study. The purpose of this study is to understand some things about your community. This study will take about 45 minutes to complete. If you join, you will be asked to answer some questions about how you think about things in the community. It is possible that you may not feel comfortable answering some questions and you do not have to answer those questions. You will not be punished for not answering the questions. This study is not intended to benefit you directly, but we hope this research will benefit people in the future. Your privacy is very important to us. We will not collect any identifying documentation, which can link your answers to you. In other words, no one will be able to trace your answers to you. You have the right to leave the study at any time without penalty. You may refuse to do any procedures you do not feel comfortable with, or answer any questions that you do not wish to answer.

Do you have any questions about anything I just said? Were there any parts that seemed unclear?

Do you agree to take part in the study?

Participant agrees to participate (consent): Yes No

For people that did not consent in the household, please fill out the following (reason declined). If the person declined, you have to randomly select another person from the household.

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

Declined person: Male Female Age Reason declined:

**Household Code (hcode): \_\_\_\_\_\_\_**

**Individual Code (icode): \_\_\_\_\_\_\_**

**Enumerator Code (ecode): \_\_\_\_\_\_\_**

**Date: Day \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Month\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2014/2015**

| 0community | Which community are you in?  | 1- West Point0 - Peace Island  |
| --- | --- | --- |
| 1sex | Your sex  | 1- Female0 - Male  |
| 2age | Your age |  |
| 3age range | Your age range  | 1- 18-242- 24-303- 31-404- 41-505- 51-606- 61 or above |
| 4marital status | Marital status now: **Please CIRCLE the appropriate circle** | 1- Never married 2- Currently married 3- Not married but divorced4- Not married but widowed |
| 5tribe | Your ethnicity **(Choose one and circle)** | 1- Krahn2- Mendingo3- Kpelle4- Bassa5- Grebo6- Gio7- Mano8- Kru9- Lorma10- Kissi11- Gola12- Other |
| 6religion | Your religion **(Choose one and circle)** | 1- Christian2- Muslim3- Traditional4- Not religious 5- Other  |
| 7income | Household Income  | 1- None 2- 1-10 USD per month (90- 900 LD) 3- 10-20 USD per month (900- 1800 LD)4- 20-50 USD per month (1800- 4500 LD) 5- f per month (4500- 9000 LD)6- 100-200 USD per month (9000- 18,000 LD) 7- 200-300 USD per month (18,000- 27,000 LD) 8- 300-500 USD per month (27,000 LD- 45,000 LD) 9- 500-1000 USD per month (45,000 LD- 90,000 LD) 8- More than 500 USD per month (more than 90,000 LD)  |
| 8roof | [WHAT DOES RESPONDENT USE FOR ROOF?] | 1-Thatch or plant materials 2-Wood 3-Tarp or other plastic 4-Zinc or other metal 5-Concrete or cement 888-Other |
| 9head | Are you the head of your household?  | 1-Yes 2-No |
| 10householdno | There are how many people in your household, ***including******yourself***?  |  |
| 11born | Place of Birth **(Circle one)**  | 1- Bomi 2- Bong 3- Gbarpolu 4- Grand Bassa 5- Grand Cape Mount 6- Grand Gedeh 7- Grand Kru 8- Lofa 9- Margibi 10- Maryland 11- Montserrado 12- Nimba 13- Rivercess 14- River Gee 15- Sinoe 16- Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 12education | Your completed education **(Circle one)** | 1- None2- ABC/Kindergarten 3- P1-P74- JH7-JH105- HS10-HS136- University 7- Higher Degree |
| 13read | Can you read and write? [Ask them to read something from newspaper]  | 1 – They could not read it 2 - They could read some words 3 – They did not have a problem reading  |
| 14children | Do you have children? If so, how many? | 1- Yes (I have children)0- No (I do not have children) (childrennumber)1- 1 child 2- 2 children3- 3 children 4- 4 children5- 5 or more |
| 15race | You are participating in a race. You overtake the person in second place. What position are you in? | **Your Answer:*****Correct Answer = Second Place*** Is the answer correct? 1- Yes 0 - No  |
| 16porosando | Are you a member of the Poro or Sande? | 1- Yes0- No98-Don't know 99-Refuse to Answer |
| In this section, I will be asking you questions about health in the community. You can skip any questions if it makes you feel bad. |
| 17withoutmed | In the past year, how often have you or anyone in your household gone without medicines or medical treatment? | 0-Never1-Just once or twice2-Several times3-Many times4-Always98-Don’t know99-Refused to answer |
| 18female | Is the respondent female?**If so, say “now we are going to ask you some questions about your maternal health”**  | 0-No1-YesIf the respondent is male, then skip to **question 37** (because 19-37 are about maternal health) |
| 19checkupsee | If you were pregnant now, would you see anyone for a checkup (prenatal care) for this pregnancy? | 0-No1-Yes98-Don’t know99-Refused to answer |
| 20whocare | If yes, whom would you go to for prenatal care? Anyone else? **[select all that apply]** | 1-Doctors2-Nurse/midwife3-Physician assistant4-Traditional midwife88-Other |
| 21wheredeliver | If you were to give birth to a child now, where would you go to deliver your child? **(Probe to identify the type of place)** | 1-Own home2-Other home3-Govt hospital4-Govt health center5-Govt health clinic6-Other public sector7-Private hospital/clinic8-Other private medical center88-Other98-Don’t know99-Refused to answer |
| 22birthcontrol | Are you using any family planning or birth control right now? | 0-No1-Yes98-Don't know99-Refuse to answerWhat kind of family planning or birth control are you using? (controlkind)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 23birth2014 | Did you give birth to a baby in the last year **July 2014- July 2015?**  | 0-No1-Yes2- Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_98-Don't know99-Refuse to answerWhat was the date of the baby’s birth? Day \_\_\_\_\_\_\_\_\_(birthday2014)Month\_\_\_\_\_\_\_ (birthmonth2014)Year\_\_\_\_\_\_\_\_\_(birthyear2014) |
| 24getcare | Before this pregnancy, did you seek medical care (prenatal care) from anyone? | 0-No1-Yes98-Don’t know99-Refused to answer |
| 25wherecare | If yes, who did you seek medical care from? **(select all that apply)** | 1-Doctors2-Nurse/midwife3-Physician assistant4-Traditional midwife88-Other98-Don't know99-Refuse to answer |
| 26wherebabydeliver | Where was this baby delivered? | 1-Own home2-Other home3-Govt hospital4-Govt health center5-Govt health clinic6-Other public sector7-Private hospital/clinic8-Other private medical center88-Other98-Don't know99-Refuse to answer |
| 27vaccines | Did the baby get vaccines?**(Please ask for the baby’s vaccine card or book)**  | 0-No1-YesDid you see the baby’s vaccine card or book? (seebookvaccine)0-No1-Yes |
| 28birth2013 | Did you give birth to a baby between **July 2013-July 2014?**  | 0-No1-Yes2- Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_98-Don't know99-Refuse to answerWhat was the date of the baby’s birth? Day \_\_\_\_\_\_\_\_\_(birthday2013)Month\_\_\_\_\_\_\_(birthmonth2013)Year\_\_\_\_\_\_\_\_\_(birthyear2013) |
| 29getcare2 | Before this pregnancy, did you seek medical care (prenatal care) from anyone? | 0-No1-Yes |
| 30wherecare2 | If yes, who did you seek medical care from? **(select all that apply)** | 1-Doctors2-Nurse/midwife3-Physician assistant4-Traditional midwife88-Other98-Don't know99-Refuse to answer |
| 31wherebabydeliver2 | Where was this baby delivered? | 1-Own home2-Other home3-Govt hospital4-Govt health center5-Govt health clinic6-Other public sector7-Private hospital/clinic8-Other private medical center88-Other98-Don't know99-Refuse to answer |
| 32vaccines2 | Did the baby get vaccines? | 0-No1-Yes98-Don't know99-Refuse to answer |
| 33pregnant | Are you pregnant now?  | 0-No1-Yes98-Don't know99-Refuse to answer |
| 34pregmontns | If yes, about how many months pregnant are you? | Months\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 35nowcare | Are you seeking anyone for a checkup (pre-natal care)? | 0-No1-Yes98-Don't know99-Refuse to answerIf yes, when did you start seeking care? Month \_\_\_\_\_\_\_\_ (monthcare)Year \_\_\_\_\_\_\_\_\_\_(yearcare) |
| 36babyinfo | Since you were pregnant, did you get information on how to keep yourself and your baby healthy? | 0-No1-Yes98-Don't know99-Refuse to answerIf yes, who gave you the information? (whereinfo)1-Midwife2-Old woman in community3-Health facility (doctor, nurse) 4-Family5-Traditional healer88-Other98-Don't know99-Refuse to answer |
| 37plantodeliver | Where do you intend to deliver the baby? | 1-Own home2-Other home3-Govt hospital4-Govt health center5-Govt health clinic6-Other public sector7-Private hospital/clinic8-Other private medical center88-Other98-Don't know99-Refuse to answer |
| In this section, I will be asking you questions about your security in the community. You can skip any questions if it makes you feel bad.  |
| 38lnpcontact | Have you ever interacted with the LNP? (i.e. talk to them) | 1- Yes 0- No98-Don't know 99-Refuse to Answer |
| 39female lnp contact | Have you interacted with a **female** LNP police officer? | 1- Yes 0- No98-Don't know 99-Refuse to Answer |
| 40lnp number | Do you know the phone number of any police officer in the community? | 1- Yes 0- No98-Don't know 99-Refuse to Answer |
| 41contactimeslnp | How many times did you go to the police in the last year (2014-2015)? | 0- 0 times 1- one time2- 2-4 times3- 5+ times  |
| 42makecomplaint | In the last year, did you take a complaint to the police?  | 1- Yes 0- No98-Don't know 99-Refuse to Answer |
| 42female lnp hear | Did a **female** LNP officer hear your complaint? | 1- Yes 0- No98-Don't know 99-Refuse to Answer |
| 43pay lnp | Did you pay any LNP officer to help you at any time? | 1- Yes 0- NoHow much did you pay them (howmuchpay)? 1. 0-100 LD
2. 100-500LD
3. 500-1000LD
4. More than 1000LD

What did you pay the police for? (payfor)1- stationery/for printing (paystationary)2- transportation (paytransport) 3- service (to take the complaint) (payservice) 4- phone (payphone) 5- to arrest someone (payarrest) 6- other (payother)  |
| 44wcpu | Do you know/have you heard what the LNP Women and Children’s Protection Unit is? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 45unmil contact | Have you talked to UNMIL peacekeeper before? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 46unmil number | Do you know the phone number of any UNMIL peacekeeper? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 47female unmi l contact | Have you interacted with a **female** UNMIL peacekeeper? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
|  |  |  |
| 48contacttimesunmil | How many times did you talk to UNMIL peacekeeper? | 0- 0 times 1- one time2- 2-4 times3- 5+ times98- Don’t know99- Refuse to Answer  |
| 49 unmilcomplaing | In the last year, have you taken a complaint to UNMIL Peacekeeper? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 49female unmil hear | Did a **female** UNMIL peacekeeper hear the complaint? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 50afl contact | Have you interacted with the AFL before? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 51contacttimesafl | How many times have you talk to the Armed Forces of Liberia (AFL)? | 0- 0 times 1- one time2- 2-4 times3- 5+ times98- Don’t know99- Refuse to Answer  |
| 52afl number | Do you know the phone number of any AFL? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 53lnp join | If you could join, would you ever like to join the LNP? | 0- no1- yes2- I cannot join.98- Don’t know 99- Refuse to Answer   |
| 54why join lnp | Why would you like to join the LNP?**Do not read the answers.** **Choose only one answer.**  | 1- I have seen UNMIL female officers and they inspire me 2- To gain respect 3- The pay is good 4- I have wanted to be a police officer since I was born 5- I have family in the LNP 6- It is a personal sacrifice to my country 7- To help people 8- It is exciting work 9- To feel powerful and empowered as a woman 10- It is a stable career 11- I have seen female LNP or AFL officers and they inspire me12- Other 98- Don’t know 99- Refuse to Answer  |
| 55afl join | If you could join, would you ever like to join the AFL? | 0- no1- yes2- I cannot join.98- Don’t know 99- Refuse to Answer   |
| 56why join afl | Why would you like to join the AFL?**Do not read the answers.** **Choose only one answer.**  | 1- I have seen UNMIL female officers and they inspire me 2- To gain respect 3- The pay is good 4- I have wanted to be a police officer since I was born 5- I have family in the AFL 6- It is a personal sacrifice to my country 7- To help people 8- It is exciting work 9- To feel powerful and empowered as a woman 10=- It is a stable career 11- I have seen female LNP or AFL officers and they inspire me12- Other 98- Don’t know 99- Refuse to Answer  |
| 57provsecurity1 | Who do you think should provide security to the community? **They can choose multiple answers** | 1- Religious Leaders 2- Liberian NGO 3- International NGOs 4- Women’s Group  5- Council of Elders/Community Leader/Community Watch 6- Police 7- Judges 8- Township Commissioner 9- Peacekeeper 10- AFL 98- Don’t know 99- Refuse to Answer  |
| 58provsecurity2 | Who do you think should provide security to the community? **They can choose multiple answers** | 1- Female Peacekeepers 2- Male Peacekeepers 3- Female Police Officer 4- Male Police Officer 5- Male community leader/community watch 6- Female community leader/community watch 7- Male AFL soldier 8- Female AFL soldier 98- Don’t know 99- Refuse to Answer  |
| 59armedviolence1  | Who do you think is most likely to provide security when there is armed violence in the community? **They can choose multiple answers** | 1- Religious Leaders 2- Liberian NGO 3- International NGOs 4- Women’s Group  5- Council of Elders/Community Leader/Community Watch 6- Police 7- Judges 8- Township Commissioner 9- Peacekeeper 10- AFL 98- Don’t know 99- Refuse to Answer  |
| 60armedviolence2 | Who do you think is most likely to provide security when there is armed violence in the community?  **They can choose multiple answers** | 1- Female Peacekeepers 2- Male Peacekeepers 3- Female Police Officer 4- Male Police Officer 5- Male community leader/community watch 6- Female community leader/community watch 7- Male AFL soldier 8- Female AFL soldier 98- Don’t know 99- Refuse to Answer  |
| 61riot1 | Who do you think is the most likely to best protect you in a riot?**They can choose multiple answers** | 1- Religious Leaders 2- Liberian NGO 3- International NGOs 4- Women’s Group  5- Council of Elders/Community Leader/Community Watch 6- Police 7- Judges 8- Township Commissioner 9- Peacekeeper 10- AFL 98- Don’t know 99- Refuse to Answer  |
| 62riot2 | Who do you think can best protect you in a riot? **They can choose multiple answers** | 1- Female Peacekeepers 2- Male Peacekeepers 3- Female Police Officer 4- Male Police Officer 5- Male community leader/community watch 6- Female community leader/community watch 7- Male AFL soldier 8- Female AFL soldier 98- Don’t know 99- Refuse to Answer  |
|  63rape1 | Who do you think can best protect you from being raped?  **They can choose multiple answers** | 1- Religious Leaders 2- Liberian NGO 3- International NGOs 4- Women’s Group  5- Council of Elders/Community Leader/Community Watch 6- Police 7- Judges 8- Township Commissioner 9- Peacekeeper 10- AFL 98- Don’t know 99- Refuse to Answer  |
| 64rape2 | Who do you think can best protect you from being raped?  **They can choose multiple answers** | 1- Female Peacekeepers 2- Male Peacekeepers 3- Female Police Officer 4- Male Police Officer 5- Male community leader/community watch 6- Female community leader/community watch 7- Male AFL soldier 8- Female AFL soldier 98- Don’t know 99- Refuse to Answer  |
| 65beat1 | Who do you think can best protect you from being beaten?  **They can choose multiple answers** | 1- Religious Leaders 2- Liberian NGO 3- International NGOs 4- Women’s Group  5- Council of Elders/Community Leader/Community Watch 6- Police 7- Judges 8- Township Commissioner 9- Peacekeeper 10- AFL 98- Don’t know 99- Refuse to Answer  |
| 66 beat2 | Who do you think can best protect you from being beaten?  **They can choose multiple answers** | 1- Female Peacekeepers 2- Male Peacekeepers 3- Female Police Officer 4- Male Police Officer 5- Male community leader/community watch 6- Female community leader/community watch 7- Male AFL soldier 8- Female AFL soldier 98- Don’t know 99- Refuse to Answer  |
| Now, I am going to read you some statements. Please tell me if you agree or disagree with the statements.  |
| 67discriminate unmil | UNMIL discriminates based on religion/ethnicity | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 68discriminateafl | The AFL discriminate based on religion/ethnicity | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 69corrupt unmil | UNMIL is corrupt  | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 70corrupt lnp | The LNP are corrupt | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 71discriminate lnp | The LNP discriminate based on religion/ethnicity | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 72corruptafl | The AFL are corrupt | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 73better | Liberia is better off today with UNMIL than without UNMIL  | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 74extend | The UN should extend its mission here in Liberia | 1=Agree0=Disagree98- Don’t know 99- Refuse to Answer  |
| 75cutcasece1 | Are the ways that the Council of Elders/community elders cut the cases usually fair to all the people involved? | 1- Yes, almost always2- No never fair to either party 3- Usually unfair to at least one party98- Don’t know 99- Refuse to Answer  |
| 76cutcasece2 | Are the way that the Council of Elders/community elders cut case usually respectful to the traditions and beliefs of the people who live in your community? | 1- Yes, almost always2- No never respectful 3- Usually respectful to at least one party98- Don’t know 99- Refuse to Answer  |
| 77cutcaselnp1 | Are the ways that LNP cut cases usually fair to all the people involved? | 1- Yes, almost always2- No never fair to either party 3- Usually unfair to at least one party98- Don’t know 99- Refuse to Answer  |
| 78cutcaselnp2 | Are the ways the LNP cut case usually respectful to the traditions and beliefs of the people who live in your community? | 1- Yes, almost always2- No never respectful 3- Usually respectful to at least one party98- Don’t know 99- Refuse to Answer  |
| 79 discriminate | According to Liberian formal law, can a husband be found guilty for raping his wife? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 80woman rape man | According to Liberian formal law, can a woman rape a man? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 81beat wife | According to Liberian formal law, can it be a crime to beat one’s wife? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 82woman leader | Do you think that women should be community leaders?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 83domestic violence | Do you think that beating/domestic violence is a problem in Liberia? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 84women join lnp | Do you think that women should join the LNP? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer   |
| 85woman join afl | Do you think that women should join the AFL?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer   |
| 86rape problem | Do you think that rape is a problem in Liberia? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 87war again | Do you think that there will be war in Liberia again? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 88more female unmil | Do you think that female peacekeepers are better than male peacekeepers? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 89woman can do | Can a woman do anything a man can do? | 1-Yes0-No98- Don’t know99- Refuse to Answer  |
| Now, I am going to ask you some questions about the war and crime now. If you do not feel like answering any of the questions, please just tell me and you do not have to answer them.  |
| 90now victim  | In the past year, has anyone in the family been a victim of some problem (theft, beating, physically attacked, rape etc.)?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer If yes, who were the perpetrators (nowperpetrator)?1. Some government person (i.e police, AFL)
2. Some criminal or rogue

 98- Don’t know  99- Refuse to Answer  |
| 91com.leader corrupt | Do you think that the traditional leaders in this community are corrupt or eating money? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 92armed group | Were you ever part of an armed group? | 1- Yes 0- No98-Don't know 99-Refuse to AnswerIf so, which armed group (whicharmedgroup) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 93see war | Did you see plenty people get beat, tortured, raped or killed during the war? | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 94war violence | During the war, did someone beat or hurt you or your family and friends?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer If yes, who were the perpetrators (warperpetrator)?1. The government (i.e police, AFL)
2. The rebel group
3. Both the government and rebel

 98- Don’t know  99- Refuse to Answer  |
| 95lnp beat | If the LNP comes to your village, do you think that they would beat community members?  | 1. Yes
2. No

98- Don’t know99- Refuse to Answer  |
| 96afl beat | If the AFL comes to your village, do you think that they would beat community members?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 97feel saferlnp | I feel safer when the LNP are in my community.  | 1- Strongly disagree2- Disagree3- Agree4- Strongly Agree98- Don’t know 99- Refuse to Answer  |
| 98feel saferafl | I feel safer when the AFL are in my community.  | 1- Strongly disagree2- Disagree3- Agree4- Strongly Agree98- Don’t know 99- Refuse to Answer  |
| Now, I am going to ask you some questions about Ebola. If you do not feel like answering any of the questions, please just tell me and you do not have to answer them. |
| 99Ebolalnp | During the Ebola emergency starting in July 2014, did you have contact with the LNP?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer Was the contact positive or negative? (experiencelnp) 1- Positive (i.e. the LNP helped me)0- Negative (i.e. the LNP beat me)98- Don’t know 99- Refuse to Answer  |
| 100Ebolaafl | During the Ebola emergency starting in July 2014, did you have contact with the AFL?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer Was the contact positive or negative? (experienceafl)1- Positive (i.e. the AFL helped me)0- Negative (i.e. the AFL beat me)98- Don’t know 99- Refuse to Answer  |
| 101Ebolalnp beat | During the Ebola emergency starting in July 2014, did you see the LNP beating people?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 102Ebolaafl beat | During the Ebola emergency starting in July 2014, did you see the AFL beating people?  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 103govlie | During the time of Ebola, I believed that Ebola was a lie just so the government can get more money from the international community.  | 1- Yes (agree)0- No (disagree)98- Don’t know 99- Refuse to Answer  |
| 104quarantine | During the Ebola emergency starting in July 2014, did your community get quarantine? (Meaning you could not leave your house or community for many days?)  | 1- Yes 0- No98- Don’t know 99- Refuse to Answer  |
| 105quarantine days | During the Ebola emergency starting in July 2014, sometimes it can be hard to stay inside at night, especially for people who got to work at night. During the quarantine days, how many days did you yourself go out at night? [**Numeric]**  | Total number of days \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 106ebola infected  | Do you know anyone that was infected with Ebola?  | 1-Yes0-No98- Don’t know99- Refuse to Answer How many people do you know that were infected? (numberinfected)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_How many people do you that died? (numberdied) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 107ebola days | Imagine a person who does not have Ebola comes in contact with someone who has Ebola, up to **how many days** can it take for them to know whether the person has Ebola?**[Numeric]**  | Total number of days \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 109ebolaair | Can Ebola be spread through the air. True or false? | 1- Yes (True)0- No (False)98- Don’t know 99- Refuse to Answer  |
| 110ebola salt | Drinking salt water can help cure Ebola. True or false? | 1- Yes (True) 0- No (False) 98- Don’t know 99- Refuse to Answer  |
| 111ebola group | Now now, does your community have an awareness group to spread news about Ebola? This can be a group from normal times that does this, or this can be a new group. | 1- Yes (True) 0- No (False) 98- Don’t know 99- Refuse to Answer If there is a group, how many times since July 2014, have you attended the group meetings? (ebolatimesattend)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 112howget ebola | How you can get Ebola? Please tell me all the ways that you know. **[DO NOT READ OPTIONS; SELECT ALL THAT APPLY]****[Numeric]** | 1-Preparing or eating bush meat2-Eating fruit bitten by bats3-Bodily fluids of infected person4-Man woman business5-Touching dead bodies6-Contact with infected surfaces7-Mother breastfeeding her child98- Don’t know99- Refuse to Answer **Total Number \_\_\_\_\_\_\_\_\_\_** |
| 113whoebola | Who do you think is responsible for bringing Ebola to Liberia? **[DO NOT READ OPTIONS OUT LOUD; SELECT ALL THAT APPLY]** | 1-White people2-UNMIL3-Government of Liberia4-Fula people 5-Mandingo people6-Kissi people7-People from Guinea8-People from Sierra Leone9-Foreign NGOs10-God11-Witchcraft12- None of these 13-Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_98- Don’t know99- Refuse to Answer  |
| 114ebola witchcraft  | Some people say that Ebola can be spread by witchcraft. Do you agree or disagree? | 0-Disagree1-Agree98- Don’t know99- Refuse to Answer  |
| 115ebola hygiene | Which of the Ebola safety measure are you still doing?[**Numeric]**  | 1-Wash hands 2- Use hand sanitizer 3- STOP shaking hands with people 4- STOP eating bush meat 5- STOP eating only bat meat 97-Don't know98-Refuse to answer ***Total Number \_\_\_\_\_\_\_\_\_\_*** |
| 116safe burials | Sometimes people want to bury dead bodies in the traditional way, so they do the burials in secret. Since July 2014, have you heard of any secret burials in your community? | 1- Yes 0- No 98- Don’t know 99- Refuse to Answer  |
| 117hide cases | Sometimes people are scared of what will happen if they report Ebola cases to the authorities, so they hide them instead. Have you heard of anyone hiding potential Ebola cases in your community? | 1- Yes 0- No 98- Don’t know 99- Refuse to Answer  |
|  | We want to return to some questions about government reforms. Or changes the government could make in the future to the security sector. We want to know what you think about them.  |
| 118ssr1 | If the Liberian Government hired some people from Sierra Leone and Guinea to provide security, they would **beat Liberian civilians if there was a problem** | 1. Strongly Disagree
2. Disagree
3. Agree
4. Strongly Agree

98- Don’t know 99- Refuse to Answer  |
| 119ssr2 | If the Liberian Government hired some people from Sierra Leone and Guinea to provide security, they could **easily catch Liberian rogues** | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 120ssr3 | If the Armed Forces of Liberia (AFL) were in charge of the government, the AFL would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 121ssr4 | If the Armed Forces of Liberia (AFL) were in charge of the government, the AFL could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 122ssr5 | If the Liberian Government mandated that all Liberians serve in the Armed Forces of Liberia (AFL), the AFL would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 123ssr6 | If the Liberian Government mandated that all Liberians serve in the Armed Forces of Liberia (AFL), the AFL could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 124 ssr7 | If the LNP had no guns, the LNP would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 125ssr8 | If the LNP had no guns, the LNP could easily catch rogues? | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 126ssr9 | If the LNP created a brand new group to catch terrorists, the LNP would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 127ssr10 | If the LNP created a brand new group to catch terrorists, the LNP could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 128ssr11 | If the Liberian Government abolished the LNP (so there is no police), they would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 129ssr12 | If the Liberian Government abolished the LNP (so there is no police), they could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 130ssr13 | If the County Commissioners of Liberia could get rid of LNP officers who do bad things, the LNP would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 131ssr14 | If the County Commissioners of Liberia could get rid of LNP officers who do bad things, the LNP could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 132ssr15 | If all the LNP all received training from a new professional academy, the LNP would be beating civilians | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| 133ssr16 | If all the LNP all received training from a new professional academy, the could easily catch rogues | 0-Strongly Disagree1-Disagree2-Agree3-Strongly Agree 98- Don’t know 99- Refuse to Answer |
| Thank you for completing the survey. We appreciate your answers. As a thank you, we would like to compensate you for your time.  |

**Random assignment for survey experiment:**

**Roll the dice until you get 1 or 2 and then record which one (paymentselection):**

1 2

**1:** You will now be given 85 Liberian Dollars. You have the option of donating none of the money, some of to the money, or all of the money to the Government of Liberia, so that the money can be used to improve government services. I will give you an envelope and turn around so that you can put any amount into the envelope, including nothing. The envelope is only identifiable by a code and no one will ever know how much you put into it.

**2:** You will now be given 85 Liberian Dollars. You have the option of donating none of the money, some of to the money, or all of the money to the community leaders. The money will only be used to give services back to the community. I will give you an envelope and turn around so that you can put any amount into the envelope, including nothing. The envelope is only identifiable by a code and no one will ever know how much you put into it.

Amount donated

GoL (donated\_GoL/LNP) \_\_\_\_\_\_\_\_\_\_\_\_\_LD

Community (donated\_community) \_\_\_\_\_\_\_\_\_\_\_\_\_LD

**MAKE SURE TO WRITE THE Household Code, Community Code, Individual Code, and Enumerator Code on each envelope, AND THE DIAL ROLL 1 OR 2!!!**

**ENUMERATOR: Please take some time to fill out the following information about the interview.**

| 134understand | How would you judge the respondent's ability to understand the questions used in the survey? | 1-Able to understand2-Some difficulty3-Unable to understand |
| --- | --- | --- |
| 135share info | Did you feel that the respondent was willing to share information and experiences with you? | 1-Willing to share2-Not willing to share |
| 136distractions | Were there any distractions or interruptions during the interview? | 0-None1-Rain2-Child present3-Spouse present4-Friend present5-Bossman present88-Other |
| 137angry | Did the respondent get irritated or angry at any time during the survey? | 1-Yes0-No |
| 138dialect | In which language was the survey conducted? | 0-English1-DialectWhich dialect? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(whichdialect) |

1. The following questions were added tighter to create an index: Do you think that women should be community leaders? Yes or No; Do you think that beating/domestic violence is a problem in Liberia? Yes or No; Do you think that women should join the LNP? Yes or No; Do you think that women should join the military? Yes or No; Do you think that rape is a problem in Liberia? Yes or No; Do you think that female peacekeepers are better than male peacekeepers? Yes or No; Can a woman do anything a man can do? Yes or No; According to Liberian formal law, can it be a crime to beat one’s wife? Yes or No; According to Liberian formal law, can a husband be found guilty for raping his wife? Yes or No; According to Liberian formal law, can a woman rape a man? Yes or No [↑](#footnote-ref-1)
2. They were able to answer the following question correctly: “You are participating in a race. You overtake the person in second place. What position are you in?” [↑](#footnote-ref-2)
3. The NGO program sought to strengthen the economic recovery of host communities via the provision of agricultural tools and training. It selected communities using multiple criteria: (high) experience hosting refugees, high to moderate levels of poverty, and previous exposure to NGOs. Therefore, the baseline level of mistrust in the government was about the same for all the communities chosen. The sample was not limited to those that experienced a dispute or to ex-combatants. [↑](#footnote-ref-3)
4. For more information on the survey, including balance tables, see Appendix. [↑](#footnote-ref-4)
5. The questions are also used by Blair (2015). [↑](#footnote-ref-5)