

Supplemental Appendix

Supplemental Appendix: Table 1. Multiple Imputations by Chained Equations results

| Variable | Complete | Incomplete | Imputed | Total |
|---------------------------------|----------|------------|---------|-------|
| <i>*HH age category</i> | 13932 | 53 | 53 | 13985 |
| <i>*HH gender</i> | 13951 | 34 | 34 | 13985 |
| <i>*HH vulnerability status</i> | 13534 | 451 | 451 | 13985 |
| <i>Dwelling owned</i> | 13956 | 29 | 29 | 13985 |
| <i>Ward</i> | 13971 | 14 | 14 | 13985 |
| <i>Dwelling type</i> | 12839 | 1146 | 1146 | 13985 |
| <i>Water Source</i> | 12223 | 1762 | 1762 | 13985 |
| <i>Toilet Exposure</i> | 12232 | 1753 | 1753 | 13985 |
| <i>Indoor pollution</i> | 12551 | 1434 | 1434 | 13985 |
| <i>Crowding</i> | 11744 | 2241 | 2241 | 13985 |
| <i>Water Source</i> | 12223 | 1762 | 1762 | 13985 |

*HH – Household head

Supplemental Appendix: Table 2. Exploratory factor analysis results

| Factor | Eigen value | Variable | Factor 1 |
|-----------------|-------------|-------------------------|----------|
| <i>Factor 1</i> | 1.71 | <i>Water source</i> | 0.82 |
| <i>Factor 2</i> | 0.01 | <i>Toilet exposure</i> | 0.46 |
| <i>Factor 3</i> | -0.08 | <i>Indoor pollution</i> | 0.82 |
| <i>Factor 4</i> | -0.17 | <i>Crowding</i> | 0.39 |

Supplemental Appendix: Table 3. Correlation Matrix for explanatory variables

| | <i>*HH Age category</i> | <i>*HH Gender</i> | <i>Dwelling owned</i> | <i>Vulnerability Status</i> | <i>Ward</i> | <i>Dwelling type</i> |
|-----------------------------|-------------------------|-------------------|-----------------------|-----------------------------|-------------|----------------------|
| <i>*HH Age category</i> | 1 | | | | | |
| <i>*HH Gender</i> | -0.11 | 1 | | | | |
| <i>Dwelling owned</i> | 0.07 | -0.11 | 1 | | | |
| <i>Vulnerability Status</i> | 0.59 | -0.28 | 0.2 | 1 | | |
| <i>Ward</i> | -0.26 | -0.05 | 0.5 | -0.12 | 1 | |
| <i>Dwelling type</i> | -0.29 | 0.18 | 0.02 | -0.24 | 0.37 | 1 |

*HH – Household head