**Table 1.b. Probit regression: estimated marginal effects at the mean distance to water bodies on the probability to be food insecure poor (households with poor food consumption score).**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| VARIABLES | All countries | Malawi | Tanzania | Uganda |
|   | National  | Rural  | National  | Rural  | National  | Rural  | National  | Rural  |
| Distance to nearest water body (km) | 0.00032\*\*\* | 0.00074\*\*\* | 0.00012\*\*\* | 0.00043\*\*\* | 0.00046\*\*\* | 0.00054\*\*\* | 0.00045\*\*\* | 0.00061\*\*\* |
|  | (0.00000) | (0.00000) | (0.00001) | (0.00001) | (0.00000) | (0.00001) | (0.00001) | (0.00001) |
| Distance to nearest water body (km) of households unable to reach food markets  | 0.00229\*\*\* | 0.00248\*\*\* | 0.00802\*\*\* | 0.00737\*\*\* | -0.00002 | -0.00034\*\*\* | 0.00179\*\*\* | 0.00152\*\*\* |
|  | (0.00002) | (0.00002) | (0.00018) | (0.00018) | (0.00011) | (0.00011) | (0.00001) | (0.00002) |
| Distance to nearest agricultural market (km) |  |   | 0.00231\*\*\* | -0.00023\*\*\* |   |   | 0.00025\*\*\* | -0.00002\*\* |
|  |  |   | (0.00002) | (0.00002) |   |   | (0.00001) | (0.00001) |
| ***Household close to water bodies by type of household:*** |  |   |   |   |   |   |  |  |
| Neither fishing nor agriculture HHs, close to water bodies  | 0.02227\*\*\* | -0.00054 | 0.14017\*\*\* | 0.01334\*\*\* | -0.00379\*\*\* | -0.10137\*\*\* | -0.02204\*\*\* | 0.02721\*\*\* |
|  | (0.00058) | (0.00113) | (0.00241) | (0.00287) | (0.00061) | (0.00110) | (0.00072) | (0.00136) |
| Fishing HHs, close to water bodies  | 0.00361\*\*\* | 0.09029\*\*\* | -0.12426\*\*\* | -0.21099\*\*\* | -0.09952\*\*\* | -0.07870\*\*\* | 0.16763\*\*\* | 0.19475\*\*\* |
|  | (0.00136) | (0.00182) | (0.00528) | (0.00593) | (0.00123) | (0.00187) | (0.00388) | (0.00405) |
| Agriculture HHs, close to water bodies  | -0.04130\*\*\* | -0.06489\*\*\* | -0.01278\*\*\* | -0.02707\*\*\* | -0.05838\*\*\* | -0.09652\*\*\* | -0.01754\*\*\* | -0.01172\*\*\* |
|  | (0.00033) | (0.00040) | (0.00098) | (0.00099) | (0.00041) | (0.00047) | (0.00061) | (0.00065) |
| Households unable to reach food markets | -0.07961\*\*\* | -0.09077\*\*\* | -0.29026\*\*\* | -0.29660\*\*\* | -0.09543\*\*\* | -0.12966\*\*\* | -0.03239\*\*\* | -0.02402\*\*\* |
|  | (0.00075) | (0.00096) | (0.00662) | (0.00770) | (0.00349) | (0.00303) | (0.00062) | (0.00072) |
| ***Main livelihood activity of the household (baseline: "neither fishing nor agriculture")*** |  |   |   |   |   |   |  |  |
| Fishing households | -0.05019\*\*\* | -0.09841\*\*\* | 0.06895\*\*\* | -0.02215\*\*\* | -0.05397\*\*\* | -0.06445\*\*\* | -0.06684\*\*\* | -0.07005\*\*\* |
|  | (0.00071) | (0.00096) | (0.00208) | (0.00234) | (0.00069) | (0.00091) | (0.00208) | (0.00232) |
| Agriculture households | 0.04790\*\*\* | 0.00657\*\*\* | 0.18420\*\*\* | 0.04203\*\*\* | 0.07826\*\*\* | 0.07137\*\*\* | -0.07963\*\*\* | -0.09065\*\*\* |
|  | (0.00029) | (0.00054) | (0.00085) | (0.00126) | (0.00034) | (0.00061) | (0.00056) | (0.00080) |
| Household consumed fish (past 7 days) | -0.21989\*\*\* | -0.20811\*\*\* | -0.26947\*\*\* | -0.23625\*\*\* | -0.20531\*\*\* | -0.17268\*\*\* | -0.15220\*\*\* | -0.13672\*\*\* |
|  | (0.00025) | (0.00030) | (0.00059) | (0.00057) | (0.00031) | (0.00038) | (0.00029) | (0.00033) |
| Household size | -0.01647\*\*\* | -0.01794\*\*\* | 0.00150\*\*\* | 0.00285\*\*\* | -0.01905\*\*\* | -0.01719\*\*\* | -0.00186\*\*\* | 0.00009 |
|  | (0.00004) | (0.00005) | (0.00017) | (0.00017) | (0.00006) | (0.00007) | (0.00005) | (0.00006) |
| Ratio employed household member over not employed  | -0.04300\*\*\* | -0.05893\*\*\* | 0.00624\*\*\* | -0.01713\*\*\* | -0.10211\*\*\* | -0.13422\*\*\* | 0.10247\*\*\* | 0.06795\*\*\* |
|  | (0.00037) | (0.00048) | (0.00097) | (0.00098) | (0.00044) | (0.00059) | (0.00060) | (0.00069) |
| Age of the household head | 0.00029\*\*\* | 0.00261\*\*\* | -0.00727\*\*\* | -0.00567\*\*\* | 0.00354\*\*\* | 0.00980\*\*\* | -0.00688\*\*\* | -0.00627\*\*\* |
|  | (0.00004) | (0.00005) | (0.00010) | (0.00011) | (0.00005) | (0.00006) | (0.00006) | (0.00007) |
| Age of the household head, quadratic  | 0.00001\*\*\* | -0.00001\*\*\* | 0.00008\*\*\* | 0.00006\*\*\* | -0.00003\*\*\* | -0.00008\*\*\* | 0.00008\*\*\* | 0.00007\*\*\* |
|  | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) | (0.00000) |
| Sex of the head of the household | -0.03137\*\*\* | -0.02588\*\*\* | -0.01656\*\*\* | -0.01281\*\*\* | -0.04320\*\*\* | -0.02924\*\*\* | 0.01471\*\*\* | 0.00775\*\*\* |
|  | (0.00024) | (0.00031) | (0.00065) | (0.00066) | (0.00030) | (0.00039) | (0.00034) | (0.00040) |
| ***Education of the head of the household*** |  |   |   |   |   |   |  |  |
| Primary  | -0.07653\*\*\* | -0.07210\*\*\* | -0.13617\*\*\* | -0.11926\*\*\* | -0.08226\*\*\* | -0.06743\*\*\* | 0.00678\*\*\* | 0.00634\*\*\* |
|  | (0.00027) | (0.00033) | (0.00072) | (0.00079) | (0.00035) | (0.00041) | (0.00038) | (0.00042) |
| Secondary  | -0.15468\*\*\* | -0.17613\*\*\* | -0.30062\*\*\* | -0.25736\*\*\* | -0.15730\*\*\* | -0.13054\*\*\* | 0.02853\*\*\* | 0.01761\*\*\* |
|  | (0.00033) | (0.00045) | (0.00103) | (0.00144) | (0.00041) | (0.00063) | (0.00056) | (0.00068) |
| Tertiary  | -0.17839\*\*\* | -0.21053\*\*\* | -0.46756\*\*\* | -0.44105\*\*\* | -0.19990\*\*\* |   | 0.04572\*\*\* | 0.07540\*\*\* |
|  | (0.00057) | (0.00098) | (0.00245) | (0.00516) | (0.00083) |   | (0.00092) | (0.00160) |
| Wealth index | -0.00196\*\*\* | -0.00303\*\*\* | -0.05855\*\*\* | -0.05456\*\*\* |   | -0.00345\*\*\* | -0.07674\*\*\* | -0.10310\*\*\* |
|  | (0.00000) | (0.00001) | (0.00016) | (0.00017) |   | (0.00001) | (0.00019) | (0.00026) |
|  |  |   |   |   |   |   |  |  |
| Baseline: average probability to be food insecure | 0.270 | 0.315 | 0.549 | 0.633 | 0.210 | 0.248 | 0.174 | 0.177 |
| Average distance to water bodies, in Km. | 33.1 | 36.0 | 37.0 | 37.1 | 33.8 | 38.0 | 28.5 | 31.2 |
| Observations | 18,623 | 14,283 | 12,444 | 10,174 | 3,344 | 1,971 | 2,822 | 2,125 |
| Country/district FE | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| r2 | 0.1872 | 0.202 | 0.1829 | 0.1155 | 0.1188 | 0.1449 | 0.1781 | 0.1823 |
| Standard errors in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1 |  |  |  |  |  |  |  |  |