

List of supplementary material

Annex 1: LCA seven-class model with marginal means, class composition among the Eritrean refugee women in Asayta refugee camp, Afar, Ethiopia, 2023.

	Margin	Delta-method std. err.	[95% conf. interval]	
1				
SRHuse	.1	.	.	.
Khatuse	.0118389	.0172769	.0006624	.1780008
FP_603	.3991595	.0555076	.2967983	.5111616
GBV_807	.0281354	.0197187	.0069946	.1063308
phys	3.40e-10	.	.	.
violsex	8.14e-10	.	.	.
childsabuse	1.51e-08	.	.	.
edu	.9878335	.027281	.4869716	.999856
edup	1	.0000432	0	1
married	1	.	.	.
respect	1	.	.	.
aid	.1600589	.0450389	.0899374	.2687095
2				
SRHuse	.7896711	.0283586	.7287514	.8399143
Khatuse	4.40e-10	.	.	.
FP_603	.1356649	.0258661	.092447	.1947513
GBV_807	.0308205	.0230547	.0069571	.1261397
phys	.0905823	.0264469	.0504126	.1574525
violsex	.0150841	.0088823	.0047223	.0471059
childsabuse	4.96e-15	.	.	.
edu	.0760379	.019627	.0454346	.1245646
edup	.1354059	.0270172	.0906029	.1975511
married	1	.	.	.
respect	.9688908	.0139157	.9264757	.9871759
aid	.8406414	.0255077	.7841161	.8845458
3				
SRHuse	.8148811	.0320275	.7438197	.8696844
Khatuse	1	.0001615	0	1
FP_603	.0711242	.0250444	.0351436	.138649
GBV_807	.1095938	.0664713	.0313715	.3186867
phys	5.07e-08	.0000425	0	1
violsex	.0145796	.0102862	.0036235	.0567759
childsabuse	.011056	.0214581	.0002387	.3436377
edu	.0618492	.0202083	.0322386	.1154132
edup	.2217408	.03416	.1619869	.2957576
married	1	.	.	.
respect	.9583936	.0189338	.9008195	.9831705
aid	.9791151	.0108832	.9429183	.9925403
4				
SRHuse	.9628431	.0269909	.8552114	.9912803
Khatuse	.924586	.0515874	.7419776	.9812279
FP_603	.0520313	.0227992	.0217014	.1195692
GBV_807	.6775136	.050351	.5721658	.7674636
phys	.6226765	.0967798	.4239898	.7872226
violsex	.0606068	.0219237	.0294389	.1206707
childsabuse	.0602695	.0312434	.0212907	.159016
edu	.0274714	.015088	.009252	.0787187
edup	.0300701	.0245706	.005912	.1391296
married	1	.	.	.
respect	.9818628	.0160415	.9025575	.9968494
aid	1	.	.	.
5				
SRHuse	.244664	.1027322	.0982502	.4905677
Khatuse	.8003307	.1046876	.5260687	.9353756
FP_603	.8263752	.1305305	.4444974	.9658826
GBV_807	.181039	.0944393	.05965	.4351449
phys	1	.	.	.
violsex	.8762793	.0681642	.6737839	.960455
childsabuse	1	.	.	.
edu	.4524801	.0970265	.2772263	.6403658
edup	.686753	.1094683	.4471061	.855985
married	.7444587	.0871064	.5428576	.8772557
respect	.9255068	.0512144	.7433954	.9815773
aid	1	.	.	.
6				
SRHuse	.2522357	.0649156	.1466287	.3983953
Khatuse	.3687958	.1709628	.1216575	.7113716
FP_603	.2711143	.138506	.0860602	.5950217
GBV_807	1.71e-10	.	.	.
phys	.0570203	.0322868	.0182972	.1640042
violsex	1.18e-11	.	.	.
childsabuse	1.81e-10	.	.	.
edu	.7575843	.0612034	.619235	.857253
edup	1	.	.	.
married	.26035	.0728764	.1435775	.4249681
respect	1	.	.	.
aid	.7541832	.0590667	.6216582	.851385
7				
SRHuse	1	.	.	.
Khatuse	.9764599	.0253249	.827188	.9972258
FP_603	.0279048	.0264108	.00424	.1621424
GBV_807	.9619443	.0430195	.7163931	.9960621
phys	.9745023	.0263575	.8269656	.9967388
violsex	.9708421	.0359785	.7338737	.9975188
childsabuse	.9806879	.024399	.8025851	.9984259
edu	.3000742	.0644745	.1902154	.438986
edup	.6612582	.0719844	.5097594	.7856279
married	1	.0004315	0	1
respect	1	.	.	.
aid	.9815074	.0183503	.879764	.9974093

Key: VAW-> Violence against women, (GBV 807-> Emotional violence, violsex-> phys-> physical violence, Sexual Violence, FP-603-> contraceptive ever use, edu-> women education, edup-> husbands education, respect-> respectful SRH care in the clinic, aid-> receiving aid

Annex 2: Sketch map showing the imagery quadrants for each selected cluster walkways and landmarks of the compact segment sampling enrolment locations at Asayta refugee camp, Ethiopia, March 2023

