**Supplemental Appendix I. Social Network Name Generator**

I am going to ask you about specific relationships you may have. You may name up to six people in response to each question. It is acceptable if you repeat names for different questions.  Please only name people aged 15 years or older.  I will ask you to tell me their names. Please do not name anyone who has passed away. Tell me their full names, including any nicknames. Over the past 12 months, with whom have you shared, borrowed, received, or exchanged any food? For this question only, please do not name people who regularly stay at your household.

For the next four questions, you may name people who regularly stay at your household.  Over the past 12 months, with whom have you usually spent time for your leisure, enjoyment, relaxation, at parties, attending trainings together of your choice, watching sports games, taking alcohol together, weaving mats, or whenever you have made time for yourself (free time)? Please remember that you may include the names of people that you have named in response to the previous question.

Over the last 12 months, with whom have you usually discussed any kind of money matters? Examples of money matters might include school fees; employment; giving, receiving, or paying loans; starting businesses; financing for big events; or other financial issues. Please remember that you may include the names of people that you have named in response to previous questions.

Over the past 12 months, with whom have you usually discussed any kind of health issue? Examples of health issues might include topics like your child’s health, family planning, nutrition, HIV, mental health, immunizations, sanitation methods, alcohol abuse or other issues. Please remember that you may include the names of people that you have named in response to previous questions.

Over the past 12 months, to whom have you gone to receive emotional support? Examples of emotional support might include talking about either positive or negative topics such as deaths, marriages, births, loss of a job, or other topics of emotional importance for you. Please remember that you may include the names of people that you have named in response to previous questions.

**Supplementary Table S1. Demographics of HIV-infected antiretroviral (ART) naïve youth in SEARCH communities who matched at least one contact and those without any matched contacts (N = 805)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **≥ 1 matched contact****(n = 602)** | **No matched contacts****(n = 203)** | **Overall****(N = 805)** |
| Sex |  |  |  |
| Male | 121 (20.1%) | 38 (18.7%) | 159 (19.8%) |
| Female | 481 (79.9%) | 165 (81.3%) | 646 (80.3%) |
| Age  |  |  |  |
|  15 – 19 years | 143 (23.7%) | 62 (30.5%) | 205 (25%) |
|  20 – 24 years | 459 (76.3%) | 141 (69.5%) | 600 (75%) |
| Occupation |  |  |  |
|  Farmer | 267 (44.4%) | 64 (31.5%) | 331 (41.1%) |
|  Fisher | 38 (6.3%) | 18 (8.9%) | 56 (7%) |
|  Shopkeeper/market vendor | 42 (7.0%) | 19 (9.4%) | 61 (7.6%) |
|  No job | 73 (12.1%) | 33 (16.3%) | 106 (13.2%) |
|  Student | 69 (11.5%) | 38 (18.7%) | 107 (13.3%) |
|  Other | 113 (18.8%) | 31 (15.3%) | 144 (17.9%) |
| Marital Status |  |  |  |
|  Single | 160 (26.5%) | 70 (34.7%) | 230 (28.6%) |
|  Married | 411 (68.2%) | 124 (61.4%) | 535 (66.5%) |
|  Divorced/Separated | 13 (2.2%) | 6 (3.0%) | 19 (2.4%) |
|  Widowed | 18 (3.0%) | 1 (0.5%) | 19 (2.4%) |
| Region |  |  |  |
|  E Uganda | 73 (12.1%) | 6 (3.0%) | 79 (2.8%) |
|  W Uganda | 358 (59.5%) | 17 (8.4%) | 188 (23.4%) |
|  Kenya | 171 (28.4%) | 180 (88.7%) | 538 (66.8%) |
| Intervention community | 323 (53.7%) | 109 (53.7%) | 432 (53.7%) |
| Baseline (pre-ART) viral load (copies/mL) |  |  |  |
|  400 – 10,000 | 150 (24.9%) | 51 (25.1%) | 201 (25.0%) |
|  10,000 – 50,000 | 146 (24.3%) | 39 (19.2%) | 185 (23.0%) |
|  50,000 – 100,000 | 60 (10.0%) | 8 (3.9%) | 68 (8.5%) |
|  >100,000 | 81 (13.5%) | 27 (13.3%) | 108 (13.4%) |
|  Missing | 166 (27.6%) | 77 (37.9) | 243 (30.2%) |
| Baseline (pre-ART) CD4+ count (cells/mm3) |  |  |  |
|  <50 50 – 199 | 3 (0.5%)22 (3.7%) | 05 (2.5%) | 3 (0.4%)27 (3.4%) |
|  200 – 349 | 68 (11.3%) | 13 (6.4%) | 81 (10.1%) |
|  350 – 499 | 110 (18.3%) | 28 (13.9%) | 138 (17.1%) |
|  >500 | 352 (58.4%) | 119 (58.9%) | 471 (58.5%) |
|  missing | 48 (8.0%) | 37 (18.3%) | 85 (10.6%) |
| New Diagnosis | 138 (68.0%) | 431 (71.6%) | 569 (70.7%) |
| Initiate ART before FUY3 | 425 (70.6%) | 137 (67.5%) | 562 (69.8%) |