

Coding sibling ties in the household networks

revised 3/23/98; K.F.
changes from 1/1797 draft:

Diagonal entries in the hh by hh matrix count the number of siblings in the hh (the responding sibling plus their siblings in the hh, accumulated for all sibling sets in the hh).

Siblings with an unknown Ban Lek Ti but living in the village will be recorded in one extra column in the hh by hh matrix.

There will be two sets of matrices. The first set includes all mentions of siblings for all people whose sibling sets were collected, regardless of the ages of the people. The second set only includes people who are 18 - 35 years old. I have noted in italics where the exclusions should be made, but I have not written separate instructions for these matrices.

I have underlined changes that have been added to this version and struck out instructions that have been deleted from the last version.

revised 1/17/97
changes from 11/26/96 draft:

For "old" households, the locations of people who have been out of the household for more than 2 months are found in the MIGRANT.SYS file.

Siblings who live abroad are coded in the first additional column (column q+1) in the household by province matrix.

Siblings whose location is unknown are coded in the second additional column (column q+2) in the household by province matrix. Thus, the household by province matrix has n rows and q+2 columns. This coding is the same as "help with the rice harvest".

Siblings

For each of up to four people age 18-35 years old in the household, plus their spouses, the locations of their siblings are recorded. These siblings may be on Form 1, 2 or 3 (in which case their CEP number is recorded in Q4.4.1...Q4.4.10 for 1st set, and Q4.9.1...Q4.9.10; Q4.14.1...Q4.14.10; Q4.19.1...Q4.19.10 for 2nd through 4th sets or they may be other siblings (in which case their location is in Q4.5P1...Q4.5P12 for the 1st set, and ??? Q4.10.1...Q4.10.12; Q4.15.1...Q4.15.12; Q4.20.1...Q4.20.12 for 2nd through 4th sets).

If a sibling is named on form 3 (for “new” households) then they currently live in the household.

Tracking down the location of siblings named on Form 1 or 2 for “old” households should be the similar to the instructions for coding the location of people for help with the rice harvest (for people no longer in the household their location is given in Q1.11 or Q1.12 and might have to be found in MIGRANT.SYS). I have adapted those instructions here for locating siblings.

Relevant variables:

For both “old” and “new” households

Q4.3	Number of siblings that are still alive (1st person’s siblings)
Q4.4.1...Q4.4.10	CEP code of 1st person’s siblings if they are in Form 1, 2, or 3
Q4.5P1...Q4.5P12	Location of siblings in 1st set who are not in Form 1, 2 or 3
Q4.8	Number of siblings that are still alive (2nd person’s siblings)
Q4.9.1...Q4.9.10?	CEP code of 2nd person’s siblings if they are in Form 1, 2, or 3
Q4.10.1...Q4.10.12?	Location of siblings in 2nd set who are not in Form 1, 2 or 3
Q4.13	Number of siblings that are still alive (3rd person’s siblings)
Q4.14.1...Q4.14.10?	CEP code of 3rd person’s siblings if they are in Form 1, 2, or 3
Q Q4.15.1...Q4.15.12?	Location of siblings in 3rd set who are not in Form 1, 2 or 3
Q4.18	Number of siblings that are still alive (4th person’s siblings)
Q4.19.1...Q4.19.10?	CEP code of 4th person’s siblings if they are in Form 1, 2, or 3
Q Q4.20.1...Q4.20.12?	Location of siblings in 4th set who are not in Form 1, 2 or 3

For “old” households:

Q1.11	If person has not lived in household less than 2 months, Ban Lek Ti (district or province)
Q1.12	If person has not lived in household 2 months or more does person live in village, Ban Lek Ti

from MIGRANT.SYS

MIVIL94 Village number in 1994 of the migrant

MIPRO Code of province that the migrant moved to from Q.1.37

MIDIS Code of district that the migrant moved to from Q.1.37

* For selecting people 18 - 35 years old

* Q1.2 Age of person (needed if person whose siblings are being counted is a spouse)

* Q4.5A1 ... Q4.5A12 Age of siblings

Coding instructions:

Q4.3 Number of siblings that are still alive (1st person's siblings)

Q4.4.1...Q4.4.10 CEP code of 1st person's siblings if they are in Form 1, 2, or 3

Q4.5P1...Q4.5P12 Location of siblings in 1st set who are not in Form 1, 2 or 3

Q4.3 gives the number of siblings for 1st person, this can be used to keep track of whether all siblings have been located, or to skip to the next household member if 1st person has no siblings

■ **coding Q4.4.1 ... Q4.4.10**

* For the second set of matrices include only people who are 18 - 35 years old. Exclude all others.

For "new" households siblings named in Q4.4.1 though Q4.4.10 should all be living in the household, so ~~they can be skipped~~, they will be counted on the diagonal of the hh by hh matrix. This count should be equal to 1 (for the person whose siblings are named) plus the number of siblings they name who are in the hh. These should be accumulated for all sibling sets in the household

For "old" households siblings named in Q4.4.1 through Q4.4.10 may either be in the household or not.

If the household is an "old" household, and the sibling named in Q4.4.1 is named in Form 2 then the sibling currently lives in the household, they will be counted on the diagonal of the hh by hh matrix. This count should be equal to 1 (for the person whose siblings are named) plus the number of siblings they name who are in the hh. Then go to the next named sibling (Q4.4.2... Q4.4.10)

If the household is an “old” household, and the sibling named in Q4.4.1 is named in Form 1 then Q1.1 gives their general location

If Q1.1 = 1 then the sibling either lives in the household or has moved less than 2 months ago, so we need to sort out where the person lives

if Q1.8 = 1 then the sibling lives in the house, ~~skip to the next named sibling~~
they will be counted on the diagonal of the hh by hh matrix.

~~(comment: since the sibling lives in the household this sibling creates no ties to other households/districts/provinces)~~

if Q1.8 = 2 then the sibling does not live in the house; Q1.11 gives their location

If Q1.1 = 2 then the sibling lives in another house in the village
Q1.12 gives their Ban Lek Ti

if Ban Lek Ti is missing or unknown, code this in an extra column of the hh by hh matrix

If Q1.1 = 3 then the sibling has moved to another place outside the village
Q1.12 gives their location or we will find it in MIGRANT.SYS

Instructions for Q1.11 (instructions for Q1.12 are below)

If Q1.11 = 999999998 then go to Q1.12

(comment: the response is inapplicable)

(comment: Here we sort out whether the person lives in another household in the same village, in another village, district, or province and then skip to the appropriate instructions.)

If the first digit of Q1.11 =2 then the person lives in the village or in the split village, go to instructions for coding ties to households in the village

If the first digit of Q1.11 = 3 then the person lives in another village in the district, go to the instructions for coding ties to other villages

If the first digit of Q1.11 = 4 then the person lives in another district, go to the instructions for coding ties to other districts

If the first digit of Q1.11 = 5 then the person lives in another province, go to the instructions for coding ties to other provinces

If the first digit of Q1.11 = 6 then the person lives abroad, ~~treat this as inapplicable~~ then add this to the first extra column in the hh by province matrix

(comment: the person lives in another country. We are not going to have a household by country matrix.)

- Skip to here if the person named in Q1.11 lives in the village or a split village

digits 3-5 of Q1.11 code the Ban Lek Ti number

(comment: I am assuming that we are treating a split village as a single unit)

let j = the position of the household named in Q1.11 in an ordered list of households in the village or split village

$$x_{ij}^v = x_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in household j, we increment the number of sibling ties between household i and household j by 1)

If the Ba Lek Ti is missing, code it in the first extra column in the hh by hh matrix

- Skip to here if the person named in Q1.11 lives in another village

digits 2-5 of Q1.11 code the village number

let j = the position of the village named in Q1.11 in an ordered list of villages

$$y_{ij}^v = y_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in village j, we increment the number of sibling ties between household i and village j by 1)

- Skip to here if the person named in Q1.11 lives in another district

digits 2-5 of Q1.11 code the district number

let j = the position of the district named in Q1.11 in an ordered list of districts

$$z_{ij}^v = z_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in district j, we increment the number of sibling ties between household i and district j by 1)

- Skip to here if the person named in Q1.11 lives in another province

digits 2-5 of Q1.11 code the province number

let j = the position of the province named in Q1.11 in an ordered list of provinces

$$w_{ij}^v = w_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in village j, we increment the number of sibling ties between household i and village j by 1)

Instructions for Q1.12

If Q1.12 = 99999998 then, go to the next named sibling

(comment: the response is inapplicable)

If the first digit of Q1.12 is 2 then the person does not live in the village. Their location is given in the MGRANT.SYS file (variables MIPRO and MIDIS). Skip to instructions for coding locations from MIGRANT.SYS. (comment: these instructions are adapted from the similar section in the instructions for coding help with the rice harvest.)

If the first digit of Q1.12 is 1 and the next 3 digits are not 996 then the person lives in the village. Skip to instructions for coding ties within the village

- Skip to here for coding ties within the village

digits 2-4 of Q1.12 give the Ban Lek Ti of the household

let j = the position of the household named in Q1.12 in an ordered list of households

$$x_{ij}^v = x_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment a person in household i has named a sibling in household j so the number of sibling ties between households i and j is incremented by 1)
from here go to the next named sibling

- Skip to here for coding locations from MIGRANT.SYS

MIVIL94 gives the village where the person lives

if the first digit of MIVIL94 is 2 then the person lives in another village. Use the instructions for coding ties to other villages (see instructions above)

MIDIS gives the district where the person lives

if the first digit of MIDIS is 3 then the person lives in another district. Use the instructions for coding ties to other districts (see instructions above)

MIPRO gives the province where the person lives

if the first digit of MIPRO is 4 then the person lives in another province. Use the instructions for coding ties to other provinces (see instructions above)

if neither MIDIS nor MIPRO is a legitimate district or province number, then check to see whether the person's location is unknown or if the person lives abroad

if MIDIS is 9995 or 9999 or if MIPRO is 9995 or 9999 then the person's location is unknown. Code a tie in the second additional column in the household by province matrix from household i to province $q + 2$ -- that is $w_{i(q+2)}^v = w_{i(q+2)}^v + 1$

if MIDIS is 9998 or if MIPRO is a country number then the person lives in another country. Code a tie in the first additional column in the household by province matrix -- from household i to province $q + 1$ -- that is $w_{i(q+1)}^v = w_{i(q+1)}^v + 1$

from here go to the next named sibling

■ **coding** Q4.5P1...Q4.5P12

If Q4.5P1 = 999999998 then go to the next named sibling

(comment: the response is inapplicable)

(comment: Here we sort out whether the person lives in another household in the same village, in another village, district, or province and then skip to the appropriate instructions.)

If the first digit of Q4.5P1 = 1 then the person lives in the village or in the split village, go to instructions for coding ties to households in the village

If the first digit of Q4.5P1 = 2 then the person lives in another village in the district, go to the instructions for coding ties to other villages

If the first digit of Q4.5P1 = 3 then the person lives in another district, go to the instructions for coding ties to other districts

If the first digit of Q4.5P1 = 4 then the person lives in another province, go to the instructions for coding ties to other provinces

If the first digit of Q4.5P1 = 5 then the person lives abroad, go to the instructions for coding ties to people who are abroad (this will be entered in the first additional column of in the household by province matrix).

- Skip to here if the person named in Q4.5P1 lives in the village or a split village

digits 3-5 of Q4.5P1 code the Ban Lek Ti number

(comment: I am assuming that we are treating a split village as a single unit)

let j = the position of the household named in Q4.5P1 in an ordered list of households in the village or split village

$$x_{ij}^v = x_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in household j , we increment the number of sibling ties between household i and household j by 1)

- Skip to here if the person named in Q4.5P1 lives in another village

digits 2-5 of Q4.5P1 code the village number

let j = the position of the village named in Q4.5P1 in an ordered list of villages

$$y_{ij}^v = y_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in village j , we increment the number of sibling ties between household i and village j by 1)

- Skip to here if the person named in Q4.5P1 lives in another district

digits 2-5 of Q4.5P1 code the district number

let j = the position of the district named in Q4.5P1 in an ordered list of districts

$$z_{ij}^v = z_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in district j, we increment the number of sibling ties between household i and district j by 1)

- Skip to here if the person named in Q4.5P1 lives in another province

digits 2-5 of Q4.5P1 code the province number

let j = the position of the province named in Q4.5P1 in an ordered list of provinces

$$w_{ij}^v = w_{ij}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling in village j, we increment the number of sibling ties between household i and village j by 1)

- Skip to here if the person named in Q4.5P1 lives abroad

$$w_{i(q+1)}^v = w_{i(q+1)}^v + 1$$

* For the second set of matrices only count ties if both the person whose siblings are being counted and their sibling are in the age range 18 - 35. Exclude all others

(comment: a person in household i has a sibling who lives abroad. We increment the number of sibling ties to people abroad in the first additional column in the household by province matrix)

from here go to the next named sibling

Siblings for remaining household members will be coded in the same way. These ties will be added to the above matrices. The following variables are substituted in the instructions above:

variables for 1st person's siblings. These are in the instructions above:

Q4.3	Number of siblings that are still alive (1st person's siblings)
Q4.4.1...Q4.4.10	CEP code of 1st person's siblings if they are in Form 1, 2, or 3
Q4.5P1...Q4.5P12	Location of siblings in 1st set who are not in Form 1, 2 or 3

variables for 2nd person's siblings substitute for variables above:

Q4.8	Number of siblings that are still alive (2nd person's siblings)
Q4.9.1...Q4.9.10?	CEP code of 2nd person's siblings if they are in Form 1, 2, or 3
Q4.10.1...Q4.10.12?	Location of siblings in 2nd set who are not in Form 1, 2 or 3

variables for 3rd person's siblings

Q4.13	Number of siblings that are still alive (3rd person's siblings)
Q4.14.1...Q4.14.10?	CEP code of 3rd person's siblings if they are in Form 1, 2, or 3
Q Q4.15.1...Q4.15.12?	Location of siblings in 3rd set who are not in Form 1, 2 or 3

variables for 4th person's siblings

Q4.18	Number of siblings that are still alive (4th person's siblings)
Q4.19.1...Q4.19.10?	CEP code of 4th person's siblings if they are in Form 1, 2, or 3
Q Q4.20.1...Q4.20.12?	Location of siblings in 4th set who are not in Form 1, 2 or 3