Pathways to Desistance

Living Calendar

This includes logic changes for all versions of the interview

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LIVING CALENDAR **4**

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Living Calendar

Introduction

This is a complex document meant to serve as reference guide for individuals thinking about how to structure the raw information about living situation that is obtained in the interview. Our intent is to provide a map of the skip patterns and the meanings of variables produced in the transformation of the data from its original question form to its final SPSS data file form.

You need to know a few things to use this document effectively:

1. It is meant to be used in conjunction with a data set containing all the variables generated from this section of the interview regarding the subject's living situation. There are variables that are linked to specific interview questions (e.g., location type) and there are also variables that are produced by the timepoint interview programming code. For example, the interview programming code determines the address at which the subject spent the greater part of the recall period by counting the number of times each location appears in the monthly data. This document provides the information needed to interpret variables of all types.

2. It is laid out in sections that provide different views of the data collected.
    - The first section provides a schematic overview of the data.
    - The second section provides the specific interview questions included in the interview battery.
    - The third section provides detailed information regarding the specific variables asked in the interview as well as those created by staff at the coordinating center. This and the second section repeat information because they are essentially different views of the same data.
    - The fourth section provides basic information related to each month covered in the recall period, such as the number of days covered in each month and calendar month and year associated with each month.
    - The fifth section provides a detailed explanation of the conversion of the recall level monthly data to the linear format.

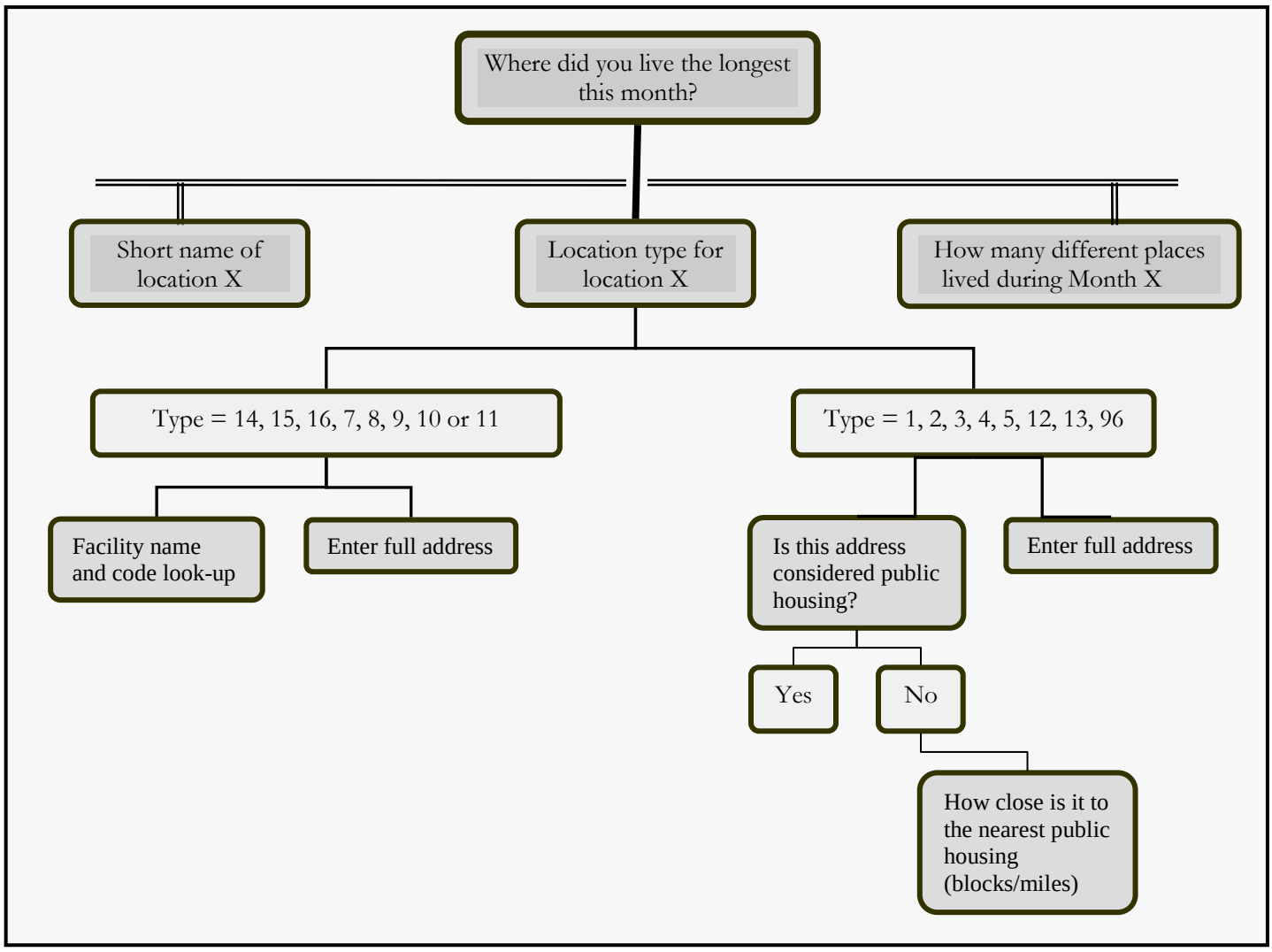
A summary table of the variables available is included at the end of this document (See Appendix A).

Please contact the Study Coordinator, Carol Schubert (412-647-4760; schubertca@upmc.edu) for clarification regarding any aspect of this document or specific variables.

Section 1: Flowchart of the Calendar

Living Situation Calendar Flowchart

This page provides a very brief summary of the specific questions asked in this calendar. The full question text of each interview generated question as well as a more detailed explanation of each variable appears in the next section of this document.



Section 2: Interview Questions

Questions in this section are recorded exactly as they appeared in the interview battery. The interview variable name appears in brackets to the left of the question. The interview variable name appears on the computer screen in the top left corner during the interview. This name is NOT the same as the SPSS variable name. Every SPSS variable name for the subject interviews begin with an "S#" (s = subject interview and the # = the particular timepoint being reviewed). A complete list of SPSS variable names can be found in the next section. Text beginning with "***INTERVIEWER***" denotes a special instruction to the research interviewer visible to them during the interview.

**** Calendar ****

Use questions like these to work backward through the calendar:
Where are you living now?
How long have you been living there?
Where were you living before this?
How long had you lived there?

[WhereLived] Where did you live the longest during this month?
INTERVIEWER: *Choose a short name for use during the interview*

[PlacesLived] How many places have you lived during this month?
INTERVIEWER: *For our purposes, the subject lives 'where their stuff is'.*

**** End of Calendar ****

Now I am going to ask you a few questions about your home and any other places that you mentioned living over the past N months.

For each unique location

[PLType] What type of place is X (short name entered above pulled forward)?
INTERVIEWER: *Use codes 11, 12 if applicable for 14 or more days during the month*
If the subject lives with a romantic partner:
Code 1 if the subject and partner are legally married and heads of their household.

Code 4 if the subject and partner are not legally married, and living with partner's family.

Code 5 if the subject and partner ARE legally married, and living with partner's family

1. Own home
2. Private home: birth/adoptive family
3. Private home: foster family
4. Private home: friends
5. Private home: other relatives
7. Group home/supervised living in community
8. Residential treatment center (centralized staff, institutional setting)
9. Medical hospital
10. Psychiatric hospital
11. Shelter
12. Place to place, different people
13. Streets/homeless
14. Secure
15. Jail/Prison
16. Detention

17. College dorm
18. Community location not otherwise specified
19. Facility location not otherwise specified
96. Other (specify)

[PLCode] INTERVIEWER: Look up the facility in the facility lookup table. If the facility is not listed, enter NA (NOT LISTED).

[PubHs] Is this address considered public housing?

INTERVIEWER: *Reservations/tribal housing will be considered public housing.*

0. No – not public housing
1. Yes – a housing project
2. Yes – section 8 housing

If NO: [HwFar] How far is it from X to the nearest public housing?

_____ Blocks
_____ Miles

Household Composition

[HHNum] How many people (other than you) live in this household?

INTERVIEWER: *If more than 20, code 20.*

[HHChek] Which different types of people live in this household?

11. Biological Father
12. Biological Mother
13. Biological Sister
14. Biological Brother
15. Biological Grandmother
16. Biological Grandfather
17. Stepfather
18. Stepmother
19. Stepsister
20. Stepbrother
21. Adoptive Father
22. Adoptive Mother
23. Adoptive Sister
24. Adoptive Brother
25. Wife
26. Husband
27. Son
28. Daughter
29. Aunt
30. Uncle
31. Female Cousin
32. Male Cousin
33. Nephew
34. Niece
35. Live-in boyfriend/girlfriend
36. Female Friend
37. Male Friend
38. Boyfriend (not live-in)
39. Girlfriend (not live-in)
40. Male Roommate
41. Female Roommate
42. Professional Relationship
43. Foster mother
44. Foster father
45. Foster brother
46. Foster sister
47. Mother of my child (if no other category applies)
48. Father of my child (if no other category applies)
49. Stepson (non-biol. Child in subject's care)
50. Stepdaughter (non-biol. Child in subject's care)
51. Fiance(e)
95. Other relative
96. Other (not biologically related)
97. NA

*Options 47, 48, 49, 50, and 51 were added in version 01.17.

[HHTzN] How many of people of type X (chosen above) live there?

Primary Caregiver

[PriAdN] Who would you say is/was primarily responsible for taking care of you over the past N months? (First name/initials)

***INTERVIEWER**: Consider the most recent non-placement time frame. In most cases, the person will have lived with the subject, but is not necessarily required. If no one is responsible for the subject, enter NA. The name of a facility should NEVER be entered as the person primarily responsible for raising the subject.*

[PriAdR] What is the relationship of that person to you?

11. Biological Father
12. Biological Mother
13. Biological Sister
14. Biological Brother
15. Biological Grandmother
16. Biological Grandfather
17. Stepfather
18. Stepmother
19. Stepsister
20. Stepbrother
21. Adoptive Father
22. Adoptive Mother
23. Adoptive Sister
24. Adoptive Brother
25. Wife
26. Husband
27. Son
28. Daughter
29. Aunt
30. Uncle
31. Female Cousin
32. Male Cousin
33. Nephew
34. Niece
35. Live-in boyfriend/girlfriend
36. Female Friend
37. Male Friend
38. Boyfriend (not live-in)
39. Girlfriend (not live-in)
40. Male Roommate
41. Female Roommate
42. Professional Relationship
43. Foster mother
44. Foster father
45. Foster brother
46. Foster sister
47. Mother of my child (if no other category applies)
48. Father of my child (if no other category applies)
49. Stepson (non-biol. Child in subject's care)
50. Stepdaughter (non-biol. Child in subject's care)
51. Fiance(e)
95. Other relative
96. Other (not biologically related)
97. NA

*Options 47, 48, 49, 50, and 51 were added in version 01.17.

[PriAdL] Do you live with that person? *Interviewer: *Must currently live with person to answer "Yes".*

1. Yes
0. No

If 5-NO

[PriAd6] Have you lived with that person at any time over the past N months?

1. Yes
0. No

[PriSam] *INTERVIEWER: If not obvious, ask:* **Is this person the same person you mentioned during our previous interview?**

1. Yes
0. No

[PriEmo] Has this person had any emotional problems or problems with his/her nerves over the past N months?

1. Yes
0. No

[PriSub] Has this person had any problems with drugs or alcohol over the past N months?

1. Yes
0. No

<u>History of running away</u>

[RunAwy] During the past N months, have you ever left the house for more than a 24-hour period without warning/informing those you are living with about where you are going?

1. Yes
0. No
7. NA (lives alone)

INTERVIEWER: *We are trying to capture situations in which no one in the subject's home knows where the subject is. If individuals in the home know GENERALLY where the subject is (e.g. at friend X's house), but cannot name the exact address, that is ok – we are not worried about lack of an exact address. Rather, we are trying to capture situations in which no one in the home can answer the question, "Do you know where (subject) is?" We don't want to count situations where the subject calls home while gone.*

<u>If 1-Yes</u>

[RunNum] How many times have you done this during the past N months?

<u>If youth endorses running away (at item "runaway"), the following question is asked and plotted on the calendar by month:</u>

[RunAwyDays] How many days during this month were you gone because you had left without telling anyone?

<u>History of living on the streets</u>

[Streets] Other than the times that you have run away, has there been any period of time over the past N months when you were living in the streets or moving around place to place, staying with different people?

1. Yes
0. No

INTERVIEWER: *Do not include times that the subject has run away.*

<u>If 1-Yes</u>

[StrtNum] How many times did this happen over the past N months?

<u>If the subject endorsed living in the streets, the following question is asked and plotted on the calendar by month:</u>

[StreetDays] How many days this month were you living in the streets or moving around staying with different people?

<u>Family members involved in criminal activity</u>

[FamCrim] Has anyone in your family been involved in criminal activity in the past N months? (I won't ask for their names.)

1. Yes
0. No

***INTERVIEWER**: Include grandparents, parents, brothers, and sisters (even if they don't live at home), or any other relatives living at home, birth or otherwise.*

[FCRel(1) – FCRel(5)] What is the relationship to you of family member #(1-5) who was involved in criminal activity during the past N months?

***INTERVIEWER**: If no more, code 97 (NA).*

11. Biological Father
12. Biological Mother
13. Biological Sister
14. Biological Brother
15. Biological Grandmother
16. Biological Grandfather
17. Stepfather
18. Stepmother
19. Stepsister
20. Stepbrother
21. Adoptive Father
22. Adoptive Mother
23. Adoptive Sister
24. Adoptive Brother
25. Wife
26. Husband
27. Son
28. Daughter
29. Aunt
30. Uncle
31. Female Cousin
32. Male Cousin
33. Nephew
34. Niece
35. Live-in boyfriend/girlfriend
36. Female Friend
37. Male Friend
38. Boyfriend (not live-in)
39. Girlfriend (not live-in)
40. Male Roommate
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47. Mother of my child (if no other category applies)
48. Father of my child (if no other category applies)
49. Stepson (non-biol. Child in subject's care)
50. Stepdaughter (non-biol. Child in subject's care)
51. Fiance(e)
95. Other relative
96. Other (not biologically related)
97. NA

*Options 47, 48, 49, 50, and 51 were added in version 01.17.

<u>For each family member (1-5) involved in crime</u>

[FCArr (1) – FCArr(5)] Was this person arrested?

1. Yes
0. No

<u>If 1-Yes</u>

[FCJai(1) – FCJai(5)] Was this person jailed?

1. Yes
0. No

[FCAth(1) – FCAth(5)] Does this person live at your home address?

1. Yes
0. No

Section 3: Explanation of Variables

Every subject was required to complete the living calendar. There were not any logic patterns that allowed the subject to skip past this calendar. This section includes variables that were asked in the interview, in addition to items that were created by staff at the coordinating center.

Items plotted by month

The living calendar itself can be visualized as a table, consisting of a number of columns equal to the number of months covered in the recall period. Each time point interview allows for a maximum of eight or 14 months in the recall period, depending on the follow-up wave (eight months was the maximum for time points 6-36 and 14 was the maximum for time points 48-84). This means that there is a corresponding variable in the dataset reflecting events occurring in each of those months through a maximum of 14 months (the outer limit of any of the possible months covered). If, however, the recall period did not include the maximum number of months (as is most often the case), there will be variables with no data. For example, subject 1 has a recall period of five months for follow-up 12 so this means he/she will have data in five monthly variables but not in the remaining nine. Subject 2, has seven months in the recall period for follow-up 12 so he/she will have data in all but seven of the monthly variables. The recall length is set by programming code based on the current date in relationship to the date of the previous interview (see "Interview Information" under Measures for a more detailed description of how the length of the recall period is determined).

Where the subject lived the longest in that month

The subject first provides the primary location (the location at which they lived for the longest period of time) for each month of the recall period. This can either be an institutional or community location.

The interviewer creates a "short" name for each location and enters that into the calendar. For instance, if the subject reports living at 1234 Main Street, the short name might be "Main". Or, the subject might report living at Vision Quest Franklin; the interviewer might choose "VQ" as the short name. The purpose of the "short name" is simply to create concise information for the programming to pull forward at subsequent questions that are referencing that specific location. A full address for each "short" name was also obtained in the interview.

Unique ID associated with each address (hand-coded)

A three-digit unique ID was assigned to each location by staff at the coordinating center and then plotted by month via syntax. This ID is used in place of the location short name above in order to protect confidentiality of each participant, as well as to provide a method of tracking each address across time. Some important things to note about how this variable was created:

- The first location for each case was assigned a code of 101. For each new location, the code is increased by one. Each ID assigned is unique to a location *within* a case. That is, Case A and Case B will both have a location with an ID of 101, but the actual address will be different for each case.
- The same ID is assigned to an address in every recall period in which it appears, so that Location A will have an ID of 101 in all follow-up periods.
- Different apartment units within the same building were coded as different locations.
- Different dorms on the same college campus were coded as the same location.

S#LivCal_ID_M01 to S#LivCal_ID_M14 "Unique ID for location during month x"

Number of different places lived

After providing the primary address for each month, they are asked to give the total number of places they lived for each month of the recall period. A full address is only obtained for the primary address that month (the "short" name described above). Therefore, if a person lived at three different locations in January, we'd only have an address and short name for the primary location; an address is not obtained for all three locations.

The interviewer is instructed that, for the purposes of this question, the subject lives "where their stuff is". In order for a place to count, the subject must have moved their belongings to that location.

S#LivCal_NumPlLiv_M01 to S#LivCal_NumPlLiv_M14

"How many places have you lived during this month?"

** **Caution about summing these variables.** These variables reflect the number of different locations the subject has lived within each month. However, summing them across months cannot be interpreted as the total number of places they lived in the recall period. The subject can report living in two locations during Month 1, and two locations during Month 2, however we have no way of knowing if these are the same or different locations. Addresses are not collected for each location in the month, so we can never produce an accurate count of the total number of locations across all months.

Location Type

Within each follow-up interview, the type of location was collected by unique location (see here for more information). Syntax was written to plot this variable by month.

S#LivCal_PLTypFac_M01 to S#LivCal_PLTypFac_M14

"Location type for month x"

(1) Own home
(2) Private home: birth/adoptive family
(3) Private home: foster family
(4) Private home: friends
(5) Private home: other relatives
(7) Group home/supervised living in the community
(8) Residential treatment center (centralized staff, institutional setting)
(9) Medical hospital
(10) Psychiatric hospital
(11) Shelter/emergency shelter
(12) Place to place, different people
(13) Streets/homeless
(14) Secure
(15) Jail/Prison
(16) Detention
(17) College dorm
(18) Community location not otherwise specified
(19) Facility location not otherwise specified
(96) Other

Items available for each Unique Location

Variables in this section are asked for each unique location the subject lived during the recall period. Questions about the subject's current address are asked first, followed by all other addresses mentioned on the living calendar across the recall period. It should again be noted that these follow-up items are only asked for the locations at which they lived for the longest period of time for each month of the recall period; if the subject lived at three different places during a particular month, follow-up data are only obtained for the primary location that month.

The follow-up interview allowed each participant to report a maximum of 15 unique locations within each recall period, however there has never been a case where someone reported more than eight. Therefore, while each timepoint will have variables for locations one through eight, most cases will have data for fewer than eight. The maximum number of locations reported at each timepoint is listed below.

- Follow06: The maximum number of locations reported by any subject is 6.
- Follow12: The maximum number of locations reported by any subject is 6.
- Follow18: The maximum number of locations reported by any subject is 5.
- Follow24: The maximum number of locations reported by any subject is 7.
- Follow30: The maximum number of locations reported by any subject is 6.
- Follow36: The maximum number of locations reported by any subject is 5.
- Follow48: The maximum number of locations reported by any subject is 8.
- Follow60: The maximum number of locations reported by any subject is 7.
- Follow72: The maximum number of locations reported by any subject is 7.
- Follow84: The maximum number of locations reported by any subject is 7.

Short name of location (Programming- generated)

Each follow-up block of questions begins with the location short name that was plotted on the calendar. This is automatically pulled into the follow-up block by interview programming. The subject's current address is pulled into the slot for Location 01, and any additional locations follow.

Unique ID (hand-coded)

This is a three-digit unique ID assigned to each location by staff at the coordinating center and is used in place of the location short name. This is also plotted by month (see here for more information).

S#LivCal_Loc01_ID to S#LivCal_Loc08_ID "Unique location ID"

Location Type

The subject provides the specific type of location (community vs. facility).

S#LivCal_Loc01_PLTypFac to S#LivCal_Loc08_PLTypFac

"What type of place is X?"

(1) Own home
(2) Private home: birth/adoptive family
(3) Private home: foster family
(4) Private home: friends
(5) Private home: other relatives
(7) Group home/supervised living in the community
(8) Residential treatment center (centralized staff, institutional setting)

(9) Medical hospital
(10) Psychiatric hospital
(11) Shelter/emergency shelter
(12) Place to place, different people
(13) Streets/homeless
(14) Secure
(15) Jail/Prison
(16) Detention
(17) College dorm
(18) Community location not otherwise specified
(19) Facility location not otherwise specified
(96) Other

Public Housing

When the location type is 1, 2, 3, 4, 5 or 96, the subject is asked to specify whether the address is considered public housing.

S#LivCal_Loc01_PubHs to S#LivCal_Loc08_PubHS

"Is this address considered public housing?"
(0) No – not public housing
(1) Yes – public housing project
(2) Yes – section 8 housing

When the location is not considered public housing (PubHs = 5), they provide the distance from that location to the nearest public housing section. This information is stored in two variables – one that holds a numerical value and one that specifies the units (blocks vs. miles) associated with the numerical value.

S#LivCal_Loc01_HwFar_Number to S#LivCal_Loc08_HwFar_Number

"How far is it from this location to the nearest public housing (number)?"

S#LivCal_Loc01_HwFar_Units to S#LivCal_Loc08_HwFar_Units

"How far is it from this location to the nearest public housing (units)?"
(1) Blocks
(2) Miles

Facility Code

When the type of location is an institution (types 7, 8, 9, 10, 11, 14, 15, 16 or 19 from above) the interviewer was directed to a look-up table that that contained the names of different facilities that had been reported by our participants throughout the study. A four-digit code was associated with each facility. It should be noted that attempts were made to ensure that unique codes represent distinct facilities, however, it is possible that, due to the subject's and/or interviewer's limited knowledge, we have inadvertently assigned multiple codes to the same facility with multiple codes.

S#LivCal_Loc01_PLCodeFac to S#LivCal_Loc08_PLCodeFac

"Facility code associated with this location"

Items at the Recall Level

Information related to the main location

Interview programming determines which location was mentioned the most on the calendar, independent of the location type (community vs. institutional) by counting the number of times each location is mentioned in the monthly data (based on the short name). If two or more locations were listed for an equal number of months, then the most recent location was counted as the main location. This location is also the one that is the focus of additional sections outside of the calendar related to the subject's living arrangements, including household composition (explained in a later section of this document).

Main location ID

This variable holds the unique ID marker associated with the main location, and can be used to link the main location with the follow-up data for that address. In other words, this variable can be matched with the location ID variables indexed by unique location to obtain all follow-up information associated with the main location (e.g., if this variable has an ID of 107, and S#LivCal_Loc02_ID has an ID of 107, then the location 02 block would hold all data relevant to the main location).

S#LivCal_MainLocID "Unique ID associated with the main location"

Main location type

This variable holds the location type associated with the main location, and is pulled from the PLTypFac variables indexed by unique location.

S#LivCal_MainLocType "Main location type"

Information related to the main community location

Interview programming code computed a second variable that holds the name of the **community** location at which the subject spent the most number of months in the recall period (again, based on the short name). A community location is defined as one of the following types 1, 2, 3, 4, 5, 7, 11, 12, 13, 17, 18 or 96. Again, if two or more community locations are listed for an equal number of months, the most recent community location is counted.

Main community location ID

This variable holds the unique ID marker associated with the main community location, and can also be used to link the main community location with the follow-up data for that address.

S#LivCal_MainFreeID "Unique ID associated with the main community location"

Main community location type

This variable holds the location type associated with the main community location, and is pulled from the PLTypFac variables indexed by unique location.

S#LivCal_MainFreeType "Main community location type"

Number of unique addresses (computed)

This variable represents a count of the number of unique locations at which the subject lived during the recall period. A maximum of eight unique locations is possible in any given timepoint. Both institutional and community locations are included in this count. This is computed by counting the number of different addresses plotted at the monthly level. Because addresses are only collected for the primary location in each month, this is not a count of the **total** number of different locations throughout the recall period (refer here for additional information).

S#Num_Unique_Locations	"Number of unique locations during the recall period"

Length of time in specific living arrangements

Two sets of summary variables are computed to reflect the length of time the subject spent in five different types of living settings during the recall period.

Number of months at each type of place (computed)

S#OwnPlace_Count	"Number of months in recall period living at own place"
S#PrivateHome_Count	"Number of months in recall period living at a private home"
S#Facility_Count	"Number of months in recall period at an institutional setting"
S#Shelter_Strts_Count	"Number of months in recall period shelter/homeless/place to place"
S#Other_Count	"Number of months in the recall period at some other place"

Proportion of months at each type of place (computed)

S#LivCal_OwnPlace	"Proportion of recall period living at own place"
S#LivCal_PrivateHome	"Proportion of recall period living at a private home"
S#LivCal_Facility	"Proportion of recall period living at an institutional setting"
S#LivCal_Shelter_Strts	"Proportion of recall period living in shelter/homeless/place to place"
S#LivCal_Other	"Proportion of recall period living at some other location"

Both sets of variables rely on the location type variables indexed by month (click here for more information). These types were consolidated into five types (own place, private home, facility, shelter/streets/place to place, and other), as noted below:

Location type	Recoded Value
(1) Private home	→ (1) Own place
(2) Private home: birth/adoptive family	→ (2) Private home
(3) Private home: foster family	→ (2) Private home
(4) Private home: friends	→ (2) Private home
(5) Private home: other relative	→ (2) Private home
(7) Group home/supervised living in community	→ (3) Facility
(8) Residential treatment center	→ (3) Facility
(9) Medial hospital	→ (3) Facility
(10) Psychiatric hospital	→ (3) Facility
(11) Shelter/emergency shelter	→ (4) Shelter/streets/place to place
(12) Place to place, different people	→ (4) Shelter/streets/place to place
(13) Streets/homeless	→ (4) Shelter/streets/place to place
(14) Secure	→ (3) Facility
(15) Jail/Prison	→ (3) Facility
(16) Detention	→ (3) Facility
(17) College dorm	→ (5) Other

(18) Community location NOS	→ (2) Private home
(19) Facility location NOS	→ (3) Facility
(96) Other	→ (5) Other

There is potential for a case to be missing the location type for one or more months in the recall period. Typically, this is the result of an error in the interview programming that allowed the interviewer to leave some or all of the living calendar data, including location type, blank.

Because of this, rather than using S#NMonths (number of months covered in the recall period) as the denominator for the proportion scores, a count of the number of months with usable (i.e., not missing) data is used instead. In most cases, this value is equal to the number of months in the recall period. But for those that are missing data in the calendar, this will be less than the value of S#NMonths. These cases will have varying degrees of completed data within the calendar; a case can be missing the location type for every month in the recall period, for some of the months, or for none of the months.

A cutoff was established to determine when a proportion score would be computed based on the amount of missing data. In order to receive a valid computed score, the case must have valid data in more than half of the months of the recall period. If location type is missing for more than half of the months in the recall period, a proportion score is not computed.

*** *** A second version of the variable S#LivCal_Facility (proportion of the recall period in an institution) is computed using data from the residential stay calendar (explained in the "Sanctions and Interventions – Residential Services" calendar codebook section). The information entered into the living calendar may differ from that seen in the "residential services" calendar secondary to the defined rules for each calendar. In the living calendar, interviewers were instructed to enter the location which characterized the month. As such, this was usually the location in which the subject had lived for 15 or more days (at least one-half of the month). However, this rule did not apply in the residential services calendar. There was no threshold requirement for the residential services calendar because we simply wanted to record any overnight stay in a facility; the stay could be as short as 1 night or it could cover the entire month. Thus, a comparison of the living calendar and residential services calendar will not always produce matching results at the monthly level.

<u>Cumulative variables</u>

Proportion scores summarizing the living situation at the recall level (described above) are also computed for each yearly interval. The rules implemented for the recall level proportions are used for the cumulative scores as well. Each timepoint has to have valid data for more than half of the months in the recall period in order for it to be included in the final cumulative computation. For instance, for a recall period eight months in length, the case has to have valid data for at least five of those months for that timepoint to be considered in the calculation.

In addition, each case is required to have a certain number of completed timepoints in order to receive a score. For the same reasons noted above for the recall period proportions, the denominator for each yearly interval is set to the total number of months with valid / non-missing data, rather than the number of months covered in the recall period (S#NMonths).

- For 1-year cumulative scores, must have 1 of 2 timepoints complete.
- For 2-year cumulative scores, must have 3 of 4 timepoints complete.
- For 3-year cumulative scores, must have 4 of 6 timepoints complete.
- For 4-year cumulative scores, must have 5 of 7 timepoints complete.
- For 5-year cumulative scores, must have 6 of 8 timepoints complete.
- For 6-year cumulative scores, must have 7 of 9 timepoints complete.
- For 7-year cumulative scores, must have 8 of 10 timepoints complete.

1-year cumulative scores
This includes the follow06 and follow12 timepoints.

LivCal_Year1_OwnPlace	"Proportion of months living in own place over 1 year"
LivCal_Year1_PrivateHome	"Proportion of months living in a private home over 1 year"
LivCal_Year1_Facility	"Proportion of months in an institutional setting over 1 year"
LivCal_Year1_Shelter_Strts	"Proportion of months in shelter/streets/place to place over 1 year"
LivCal_Year1_Other	"Proportion of months living in some other location over 1 year"

2-year cumulative scores
This includes the follow06, follow12, follow18, and follow24 timepoints.

LivCal_Year2_OwnPlace	"Proportion of months living in own place over 2 years"
LivCal_Year2_PrivateHome	"Proportion of months living in a private home over 2 years"
LivCal_Year2_Facility	"Proportion of months in an institutional setting over 2 years"
LivCal_Year2_Shelter_Strts	"Proportion of months in shelter/streets/place to place over 2 years"
LivCal_Year2_Other	"Proportion of months living in some other location over 2 years"

3-year cumulative scores
This includes the follow06 through follow36 timepoints.

LivCal_Year3_OwnPlace	"Proportion of months living in own place over 3 years"
LivCal_Year3_PrivateHome	"Proportion of months living in a private home over 3 years"
LivCal_Year3_Facility	"Proportion of months in an institutional setting over 3 years"
LivCal_Year3_Shelter_Strts	"Proportion of months in shelter/streets/place to place over 3 years"
LivCal_Year3_Other	"Proportion of months living in some other location over 3 years"

4-year cumulative scores
This includes the follow06 through follow48 timepoints.

LivCal_Year4_OwnPlace	"Proportion of months living in own place over 4 years"
LivCal_Year4_PrivateHome	"Proportion of months living in a private home over 4 years"
LivCal_Year4_Facility	"Proportion of months in an institutional setting over 4 years"
LivCal_Year4_Shelter_Strts	"Proportion of months in shelter/streets/place to place over 4 years"
LivCal_Year4_Other	"Proportion of months living in some other location over 4 years"

5-year cumulative scores
This includes the follow06 through follow60 timepoints.

LivCal_Year5_OwnPlace	"Proportion of months living in own place over 5 years"
LivCal_Year5_PrivateHome	"Proportion of months living in a private home over 5 years"
LivCal_Year5_Facility	"Proportion of months in an institutional setting over 5 years"
LivCal_Year5_Shelter_Strts	"Proportion of months in shelter/streets/place to place over 5 years"
LivCal_Year5_Other	"Proportion of months living in some other location over 5 years"

6-year cumulative scores
This includes the follow06 through follow72 timepoints.

LivCal_Year6_OwnPlace	"Proportion of months living in own place over 6 years"
LivCal_Year6_PrivateHome	"Proportion of months living in a private home over 6 years"
LivCal_Year6_Facility	"Proportion of months in an institutional setting over 6 years"

LivCal_Year6_Shelter_Strts "Proportion of months in shelter/streets/place to place over 6 years"
LivCal_Year6_Other "Proportion of months living in some other location over 6 years"

7-year cumulative scores
This includes the follow06 through follow84 timepoints.

LivCal_Year7_OwnPlace "Proportion of months living in own place over 7 years"
LivCal_Year7_PrivateHome "Proportion of months living in a private home over 7 years"
LivCal_Year7_Facility "Proportion of months in an institutional setting over 7 years"
LivCal_Year7_Shelter_Strts "Proportion of months in shelter/streets/place to place over 7 years"
LivCal_Year7_Other "Proportion of months living in some other location over 7 years"

Variables Associated with the Subject's Living Arrangements but which are Outside of the Living Calendar
The following variables provide information describing or related to the living arrangements of the subject, but are not part of the calendar per se. Some variable explained in this section were calculated by staff at the coordinating center, and will be noted as such. Other codebook sections noted in this section should be consulted for additional information regarding the individual and computed variables outside of the living calendar.

Household Composition
Questions in this section obtain information regarding the household composition of the place where the subject reports living for the greater part of the recall period. The location of focus here is the main living location, as determined by interview programming code (click here for more information).

This entire section is skipped if the main location type (S#LivCal_MainLocType) is any of the following:
7 – Group home/supervised living in the community
8 – Residential treatment center (centralized staff, institutional setting)
9 – Medical hospital
10 – Psychiatric hospital
11 – Shelter/emergency shelter
14 – Secure
15 – Jail/Prison
16 – Detention
19 – Facility Location not otherwise specified

As a result of a programming bug, a small number of cases that spent the majority of the recall period in one of the location types noted above still received the household composition section. Data cleaning was carried out by staff at the coordinating center to remove all data from the section for these cases. It should be noted, however, that while these items were removed for the types of residential stays noted above, data were not removed for stays classified as type "96 - other" (which includes halfway houses and Job Corp locations). If exclusion of these types of locations is desired, data should be removed from all items detailed in this section.

Total number of people in the household
This variable reports the total number of people living in the subject's household other than the subject. Again, the household of focus here is the main location determined by programming (S#LivCal_MainLocID).

S#HomeQ_HHNum "Number of people in the household"

Relationship of persons living in the household

If HHNum is greater than or equal to 1, the subject then provides the relationship codes for all people living in the home. This is designed as a "check all that apply" question, where the subject can endorse one or more relationship type.

"Which of the following are present in the household?"

(0) No (absent from the household)
(1) Yes (present in the household)

S#HomeQ_BioFather
S#HomeQ_BioMother
S#HomeQ_BioSister
S#HomeQ_BioBrother
S#HomeQ_BioGrandmother
S#HomeQ_BioGrandfather
S#HomeQ_Stepfather
S#HomeQ_Stepmother
S#HomeQ_Stepsister
S#HomeQ_Stepbrother
S#HomeQ_Adoptivefather
S#HomeQ_Adoptivemother
S#HomeQ_Adoptivesister
S#HomeQ_Adoptivebrother
S#HomeQ_Wife
S#HomeQ_Husband
S#HomeQ_Son
S#HomeQ_Daughter
S#HomeQ_Aunt
S#HomeQ_Uncle
S#HomeQ_Femalecousin
S#HomeQ_Malecousin
S#HomeQ_Nephew
S#HomeQ_Niece
S#HomeQ_LiveinBFGF
S#HomeQ_Femalefriend
S#HomeQ_Malefriend
S#HomeQ_Boyfriend
S#HomeQ_Girlfriend
S#HomeQ_Maleroommate
S#HomeQ_Femaleroommate
S#HomeQ_Profrelationship
S#HomeQ_Fostermother
S#HomeQ_Fosterfather
S#HomeQ_Fosterbrother
S#HomeQ_Fostersister
S#HomeQ_MotherOfchild
S#HomeQ_FatherOfchild
S#HomeQ_Stepson
S#HomeQ_Stepdaughter
S#HomeQ_Fiance
S#HomeQ_OtherRelative
S#HomeQ_Other

** MotherOfChild, FatherOfChild, StepSon, StepDaughter, and Finance were added to the interview in version 01.17.

How many persons of each type are living in the household

For each of the relationship types noted above, a corresponding variable notes the number of persons of that particular type living in the household.

"How many people of type X (chosen above) are in the household?"

S#NumBioFathers
S#NumBioMothers
S#NumBioSisters
S#NumBioBrothers
S#NumBioGrandmother
S#NumBioGrandfather
S#NumStepfather
S#NumStepmother
S#NumStepSisters
S#NumNephew
S#NumNeice
S#NumLiveinBFGF
S#NumFemaleFriend
S#NumMaleFriend
S#NumBoyfriend
S#NumGirlfriend
S#NumMaleRoommate
S#NumFemaleRoommate

S#NumStepBrothers
S#NumAdoptiveFather
S#NumAdoptiveMother
S#NumAdoptiveSisters
S#NumAdoptiveBrothers
S#NumWife
S#NumHusband
S#NumSon
S#NumDaughter
S#NumAunt
S#NumUncle
S#NumFemaleCousin
S#NumMaleCousin
S#NumProfRelationship
S#NumFosterMother
S#NumFosterFather
S#NumFosterBrothers
S#NumFosterSisters
S#NumMotherOfChild
S#NumFatherOfChild
S#NumStepson
S#NumStepdaughter
S#NumFiance
S#NumOtherRelative
S#NumOther

Family Structure (computed)

This variable indicates the combination of parental figures living with the subject.

S#FamStr "Family Structure"
(1) Two biological parents
(2) Single biological mother
(5) Biological mother and stepfather
(6) Single biological father
(7) Other adult relative
(8) Biological father and stepmother
(9) Two adoptive parents
(10) No adult in home
(11) Other

A code of -100 (Not computed) is assigned to cases that spent the majority of the recall period in a secure facility (e.g., when the "main" location type is 7, 8, 9, 10, 11, 14, 15, 16 or 19. See the household composition (see here) in the previous section for more information).

"Other adult relative" (value 7) includes grandmother, grandfather, aunt, uncle, adoptive mother, adoptive father, stepmother and stepfather.

"Other" (value 11) includes foster mother and foster father.

As noted above in the household composition section, household composition information was eliminated for some types of residential stays (when the main location type was set to an institution), but not for locations where the type is "other", which includes both halfway houses and Job Corp locations. Because the family structure item is computed using the household composition items, if exclusion of these two types of locations is desired, data should be removed from the family structure item as well as the individual household composition items.

Number of adults in the household (computed)

This variable provides the total number of adults in the household. For this variable, an "adult" is defined as/limited to a mother or father (biological, step, adoptive or foster), grandparents, aunt, uncle or professional relationship.

S#Adults "Total number of adults in the household"

Biological parents in the household (computed)

The variables in this section indicate whether any biological parents are living in the household.

S#BDadHH "Is the biological father living in the subject's household?"
(1) Yes
(0) No – biological father not in household, and subject does not live alone
(7) No – subject lived alone

S#BMomHH "Is the biological mother living in the subject's household?"
(1) Yes
(0) No – biological mother not in household, and subject doesn't live alone
(7) No – subject lived alone

S#NbpHom "Number of biological parents living in the household"

*Note that a value of 0 for NbpHom can mean that the subject lives with people other than the biological parents OR that the subject lives alone. This is not differentiated here.

Primary Caregiver

Questions in this section obtain information regarding the subject's primary caregiver during the recall period. This person becomes the focus of the parental monitoring section (see the "Parental Monitoring" codebook for more information about this measure).

Versions 01.05 through 01.15: This section was asked of all participants.

Versions 01.16 through 01.23: This section was only asked when the subject was 19-years-old or younger.

Relationship of the primary caregiver

The subject first provides the name of the person who was primarily responsible for taking care of them during the recall period. In most cases, this person will have lived with the subject at some point in the recall period, but this is not necessarily required. The interviewer is instructed to consider the most recent non-placement timeframe; an institutional name is never entered as the name of the person responsible for the subject.

When the subject has lived on his/her own for the entire recall period, the relationship code is set to 97 (NA) and all follow-up questions are skipped. Additionally, beginning with version 01.16, if the subject is 20-years-old or older at the time of the interview, this entire section was skipped.

S#HomeQ_PriAdR "What is the relationship of your primary caregiver to you?"

(11) Biological father	(33) Nephew
(12) Biological mother	(34) Niece
(13) Biological sister	(35) Live-in boyfriend/girlfriend
(14) Biological brother	(36) Female friend
(15) Biological grandmother	(37) Male friend
(16) Biological grandfather	(38) Boyfriend (not live-in)

(17) Stepfather
(18) Stepmother
(19) Stepsister
(20) Stepbrother
(21) Adoptive father
(22) Adoptive mother
(23) Adoptive sister
(24) Adoptive brother
(25) Wife
(26) Husband
(27) Son
(28) Daughter
(29) Aunt
(30) Uncle
(31) Female cousin
(32) Male cousin
(39) Girlfriend (not live-in)
(40) Male roommate
(41) Female roommate
(42) Professional relationship
(43) Foster mother
(44) Foster father
(45) Foster brother
(46) Foster sister
(47) Mother of my child
(48) Father of my child
(49) Stepson
(50) Stepdaughter
(51) Fiancé
(95) Other relative
(96) Other (not biologically related)
(97) NA

Current living situation with the primary caregiver. This, and all questions that follow, are only asked if PriAdR is not 97 (NA).

S#HomeQ_PriAdL "Do you currently live with this person?"
(1) Yes
(0) No

Living situation with the primary caregiver during recall period. If PriAdL is YES, then this was automatically set to YES by interview programming. If PriAdL is NO, this was directly asked of the subject.

S#HomeQ_PriAd6 "Have you lived with this person over the past N months?"
(1) Yes
(0) No

Same caregiver as previous recall period. This variable indicates whether the person nominated as the primary caregiver during the current interview is the same as the one from the last completed interview.

S#HomeQ_PriSam "Is this person the same person from your previous interview?"
(1) Yes
(0) No

Primary caregiver emotional problems. This variable indicates primary caregiver had any emotional problems over the recall period.

S#HomeQ_PriEmo "Has this person had any emotional problems or problems with his/her nerves over the past N months?"
(1) Yes
(0) No

Primary caregiver substance use problems. This variable indicates primary caregiver had any substance use problems over the recall period.

S#HomeQ_PriSub "Has this person had any problems with drugs or alcohol over the past N months?"
(1) Yes
(0) No

Emotional problems and living with the subject (computed)
This is a marker created by the coordinating center to indicate whether the primary caregiver that currently lives with the subject has emotional problems. It was created using S#HomeQ_PriAdL and S#HomeQ_PriEmo described above.

S#PriCareGvr_EmoAtH "Does the subject currently live with a primary caregiver who has emotional problems?"
(1) Yes – primary caregiver has emotional problems and currently lives with the subject
(0) No – primary caregiver has emotional problems but does not currently live with the subject
(7) NA - Primary caregiver does not have emotional problems

Substance abuse problems and living with the subject (computed)
This is a marker created by the coordinating center to indicate whether the primary caregiver that currently lives with the subject has problems with drugs or alcohol. It was created using S#HomeQ_PriAdL and S#HomeQ_PriSub described above.

S#PriCareGvr_SubAtH "Does the subject currently live with a primary caregiver who has drug or alcohol problem?"
(1) Yes – primary caregiver has substance use problems and current lives with the subject
(0) No – primary caregiver has substance use problems but does not currently live with the subject
(7) NA - Primary caregiver does not have substance use problems

Run away calendar
Questions in this section obtain information about running away from home. The logic for receiving these questions has changed through several version releases.

Versions 01.05 through 01.12: This set of questions was asked of all participants.

Versions 01.14 through early 01.16: This set of questions was only asked if PriAdR (relationship of primary caregiver) was a value other than 97 (NA), indicating the subject **did** have a primary caregiver during the recall period.

Later versions 01.16 through 01.23: The logic was again changed after the release of interview version 01.16 via a patch. The skip pattern noted above for versions 01.14 – 01.16 was removed so

that this section was again asked of every subject. Additionally, the question text changed based on the subject's age at the time of the interview. If the subject was 18 or older, the question was worded as "left the house for more than a 24-hour period without warning/informing those you are living with about where you were going". If the subject was under the age of 18, the question was worded as "run away from home".

Ran away during the recall period

The subject is first asked if they have run away from home during the recall period. The question text here will change as noted above, depending on the interview version and the subject's age at the time of the interview. An interviewer instruction clarifies what is meant by "running away":

> INTERVIEWER: We are trying to capture situations in which no one in the subject's home knows where the subject is. If individuals in the home know GENERALLY where the subject is (e.g., at friend X's house) but cannot name the exact address, that is ok – we are not worried about lack of an exact address. Rather, we are trying to capture situations in which no one in the home can answer the question "Do you know where (subject) is?" We don't want to count situations where the subject calls home while gone.

S#HomeQ_RunAwy "Ran away/left house during recall period?"
(1) Yes
(0) No
(7) NA (lives alone)

If 1 (Yes):

Number of times ran away – recall period. This question is skipped if RunAwy is 0 (No) or 7 (NA – lives alone).

S#HomeQ_RunNum "Number of times ran away – recall period"

Number of days ran away – by month The subject plots on a month-by-month basis the number of days they ran away for each month. Note that this variable stores the number of **days** they ran away, while RunNum above stores the number of **times** they ran away.

S#HomeQ_RunAwyDays_M01 to S#HomeQ_RuNAwyDays_M14

"How many days during this month were you gone because you had run away/left home?"

Number of days ran away in the recall period (computed). This variable represents the total number of **days** the subject ran away from home in the recall period, and was computed by summing the monthly S#HomeQ_RunAwyDays_M##. This score will be set to zero if the subject reported that they did not run away during the recall period. If they lived alone, a value o -97 (NA) is assigned.

S#RunAwayDays "Number of days ran away in the recall period"

*Note that this variable differs from the variable S#HomeQ_RunNum (number of

times ran away during the recall period).

Living on the streets calendar

Questions in this section obtain information regarding the length of time the subject was living on the streets during the recall period.

Living on the streets in the recall period

The subject is first asked if they were living on the streets during the recall period.

S#HomeQ_Streets "Was there any period of time over the past N months during which you were living in the street or moving around place to place, living with different people?"
(1) Yes
(0) No

If 1 (Yes):

Number of times lived on the streets – recall period. This question is skipped if Streets is 0 (No).

S#HomeQ_StrtNum "Number of times on streets– recall period"

Number of days on the streets – by month. The subject plots on a month-by-month basis the number of days they were living on the streets for each month. Again, note that this variable stores the number of **days** they were on the streets, while Streets (described above) stores the number of **times** (distinct episodes) they were living on the streets.

S#HomeQ_StreetDays_M01 to S#HomeQ_StreetDays_M14

"How many days during this month were you living in the streets or moving around staying with different people?"

Number of days living on the streets in the recall period (computed). This variable represents the total number of **days** the subject was living on the streets in the recall period, and is computed by summing the monthly variables, S#HomeQ_StreetDays_M##. This score is set to zero if the subject indicated they did not live on the streets at any time during the recall period.

S#StreetsDays "Number of days lived on the streets in the recall period"

*Note again that this variable differs from S#HomeQ_StreetNum (number of **times** lived on the streets during the recall period.

Number of days ran away and living on the streets combined (computed). This variable represents the combined total number of days the subject was living on the streets and ran away in the recall period, and is computed as the sum of S#StreetsDays and S#RunAwyDays. This score is set to zero if the subject did not run away at all (or lived alone) and if they did not live on the streets at any time.

S#RunAway_StreetsDays "Combined number of days ran away & on streets"

Family involvement in criminal activities

Questions in this section obtain information regarding any family members that were involved in crime. These items are part of the "Characteristics of Family" measure (see the "Characteristics of Family" codebook for more specific information regarding this measure). We have included them here as well because they might be considered for potential constructs regarding the living situation.

Any family members involved in criminal activity

The subject is first asked if any of their family members were involved in criminal activity during the recall period.

S#Demo_FmCrim "Any family members involved in criminal activity during the past N months?"
(1) Yes
(0) No

If 1 (Yes):

Relationship of family members involved in crime. The subject then reports the relationship of each family member that was involved in crime over the recall period. The subject can report a maximum of five family members, although not all cases will have reported the maximum.

S#Demo_FamCrim1_FCRel to S#Demo_FamCrim5_FCRel

"What is the relationship to you of family member X who was involved in criminal activity during the past N months?"

(11) Biological father	(33) Nephew
(12) Biological mother	(34) Niece
(13) Biological sister	(35) Live-in boyfriend/girlfriend
(14) Biological brother	(36) Female friend
(15) Biological grandmother	(37) Male friend
(16) Biological grandfather	(38) Boyfriend (not live-in)
(17) Stepfather	(39) Girlfriend (not live-in)
(18) Stepmother	(40) Male roommate
(19) Stepsister	(41) Female roommate
(20) Stepbrother	(42) Professional relationship
(21) Adoptive father	(43) Foster mother
(22) Adoptive mother	(44) Foster father
(23) Adoptive sister	(45) Foster brother
(24) Adoptive brother	(46) Foster sister
(25) Wife	(47) Mother of my child
(26) Husband	(48) Father of my child
(27) Son	(49) Stepson
(28) Daughter	(50) Stepdaughter
(29) Aunt	(51) Fiancé
(30) Uncle	(95) Other relative
(31) Female cousin	(96) Other (not biologically related)

(32) Male cousin (97) NA

Was family member arrested or jailed. Again, this is asked for each family member the subject reports. If the family member was not arrested, the jailed question is skipped.

S#Demo_FamCrim1_FCArr to S#Demo_FamCrim5_FCArr

"Was this person arrested?"
(1) Yes
(0) No

S#Demo_FamCrim1_FCJai to S#Demo_FamCrim5_FCJai

"Was this person jailed?"
(1) Yes
(0) No

Does family member live at subject's home address. Again, this is asked for each family member the subject reports.

S#Demo_FamCrim1_FCAtH to S#Demo_FamCrim5_FCAtH

"Does this person live at your home address?"
(1) Yes
(0) No

Any family members involved in crime and living with the subject (computed)

This is a marker for whether any family members that were involved in criminal activity during the recall period live at the subject's home address.

Although the family crime questions were asked of all participants, this variable is not calculated for those who have spent the majority of the recall period in a facility (facility here is defined as locations of type drug/alcohol, psychiatric hospital, detention, jail/prison, Ydc/Acjd, contracted residential general, and contracted residential mental health). If the subject spent more than half of the recall period in any combination of these facility types, a value of -500 is assigned. The computed "street time" variables associated with the Out of Community Placements calendar are used here to make this determination. Refer to this calendar documentation for a detailed explanation of the street time variables.

S#CrimeAtH "Do any family members involved in crime live at subject's home address?"
(1) Yes – at least one family member involved in crime also lives at subject's home address
(0) No – family member(s) involved in crime but none live at the subject's home address
(-100) No family members involved in crime

Number of family members involved in crime and living with the subject (computed)

This is a count of the number of family members involved in crime that also live at the subject's

home address. Recall that the subject can nominate a maximum of five family members involved in criminal activity over the course of the recall period, so this value will range from zero to five.

This count excludes those cases that spent at least half of the recall period in a facility, as defined above. If none of the subject's family members were involved in crime, a code of -100 (No family members involved in crime) is assigned.

S#FCAth "Number of family members involved in crime and living with the subject"

Relationship of family members involved in crime and living with the subject (computed)

These variables hold the relationship codes for any family members who were involved in crime in the recall period that live at the subject's home address. Again, a score is not computed for those cases that spent more than half of the recall period in an institutional setting.

If the relative in question was involved in criminal activity but did not live at the home address, a value of -105 is assigned.

S#CrimeAtH_Rel1 to S#CrimeAtH_Rel5

"Relationship of family member X involved in crime if living at the home address"

Proportion of people living with the subject involved in crime (computed)

This variable represents the proportion of family members living with the subject that are involved in criminal activity. This is computed using the total number of family members involved in crime over the course of the recall period as the denominator, and the number of family members involved in crime that live at the subject's home address (S#FCAth) as the numerator.

S#PCrimeAtH "Proportion of family members involved in crime that live at the home address"

Count of people living with the subject that have been jailed (computed)

This is a count of the number of persons living with the subject who have been jailed in the recall period. Again, a score is not computed for those cases that spent more than half of the recall period in an institutional setting.

S#FamJailAtH_count "Count of family members that were jailed and living at the subject's home address

Proportion of people living with the subject that have been jailed (computed)

This is the proportion of family members living with the subject that have been in jail, where the numerator is the number of family members that have been jailed and live with the subject, and the denominator is the number of family members that have been involved in crime during the recall period.

S#PJailedAtH "Proportion of family members involved in crime, live at the subject's address, and were jailed"

Biological parents arrested or jailed during the recall period (computed)

This is a marker for whether the biological parents were arrested and/or jailed during the recall period. Note that these variables are computed independent of the living situation with the parent during the recall period (that is, if the biological father was arrested/jailed, a 'yes' score is assigned regardless if they live with the subject or not). Again, a score is not computed for those cases that spent more than half of the recall period in an institutional setting.

S#ArrDad "Biological father arrested or jailed"
(1) Biological father was arrested or jailed.
(0) Biological father was not arrested or jailed

S#ArrMom "Biological mother arrested or jailed"
(1) Biological mother was arrested or jailed
(0) Biological mother was not arrested or jailed

S#ArrBth "Both biological parents arrested or jailed"
(0) Neither biological parent arrested or jailed
(1) Both biological parents were arrested or jailed
(2) Biological mother or biological father arrested or jailed, but not both

Section 4: Descriptive Information Regarding the Recall Period

As a standard practice, the specific calendar information will be accompanied by three sets of variables which describe the recall period. This information is important for the user to consider when attempting to use data characterizing the recall period (e.g. measures) in conjunction with the monthly-level calendar data. In addition, this information is useful if the user is viewing events from a developmental perspective.

Number of days covered in each month of the recall period

This value represents the number of days in each month that is represented in the calendar data (i.e., if Month03 covers February, NDays for that month will = 28). The values for the last month of the recall period are reduced, however, if the interview was actually conducted in that month. For example, if the current interview is conducted on 02/18/05, the value for the last month of the recall period is 18. If the interview is being conducted before the 15th of the month, the last month covered is actually the **previous** month. However, if the interview is being conducted after the 15th of the month, then that recall period covers all days of the month up through the day of the interview.

S#NDays01 to S#NDays14 "Number of days covered in month x"

Calendar month and year mapped to a recall period month

These variables (labeled "RealDate") provide the calendar month and year associated with each month covered in the recall period (e.g. Month 3 of the 18th month follow-up interview is equal to July 2003 for one subject but it could be referencing December 2006 for another subject).

S#RealDate01 to S#RealDate14 "Calendar month and year linked S#M#"

Subject age at each month

These variables plot the subject's age at each month of the recall period. Subject age at the time of the interview is also available (see the "Demographics" measure codebook for more information). Two sets of variables are available for each month, 1) the subject's age truncated to a whole number, and 2) the subject's age as a continuous variable. Each is computed as the calendar date for the month (from the S#RealDate## variables above) minus the subject's date of birth.

S#SubjAge_M01 through S#SubjAge_M14 "Subject age during month x (truncated0"

S#CTSubjAge_M01 through S#CTSubjAge_M14 "Subject age during month x (continuous)"

For 328 cases, the subject's age at the baseline was greater than the age in the first month of follow06. This happened when the calendar month for the date of the baseline interview and the calendar month for S1M01 are the same. The RealDate variables are in the Year/Month/Day format, and are set to the first of each month (e.g., S1M01 = January 1, 2007; S1M02 = February 1, 2007; S1M03 = March 1, 2007, etc.), so the baseline age will be slightly higher than the age at S1M01 when this is the same month. For these cases, we have set the age at S1M01 equal to the age at the baseline interview.

Also, note that the subject's age at the time of the follow-up interviews and their age in the final month of the recall period will not always be the same, because the last month of the recall period is not always set to the month in which the interview was conducted. If the interview was conducted before the 15th of the month, the final month of the recall period will be set (through programming code) to the month prior (e.g., if conducted on November 14th, the last month will be set to October). If the interview was conducted after the 15th of the month, the age in the final month and the age at the recall level will be the same.

Section 5: Variables in the linear format

Conversion of recall monthly data to linear months

The monthly Pathways data, in its raw form, is not suited for some kinds of analytic approaches (e.g., trajectory analysis). Each time point interview allows for a maximum of 8 or 14 months in the recall period, depending on the follow-up wave (8 months was the maximum for time points 6-36 and 14 was the maximum for time points 48-84). This means that there is a corresponding variable in the dataset reflecting events occurring in each of those months through a maximum of 14 months (the outer limit of any of the possible months covered). If, however, the recall period did not include the maximum number of months (as is most often the case), there will be variables with no data. For example, subject 1 has a recall period of 5 months for follow-up 12 so this means he/she will have data in five monthly variables but not in the remaining nine. Subject 2, has seven months in the recall period for follow-up 12 so he/she will have data in all but seven of the monthly variables. The recall length is set by programming code based on the current date in relationship to the date of the previous interview (see "Interview Information" under Measures for a more detailed description of how the length of the recall period is determined). However, the programming code did permit the interviewer to "reset" by hand the length of the recall period. This was done infrequently, but in some instances it created a situation in which we obtained two reports of the same month. For example, follow06 covered months January to June and the interviewer resets the follow12 recall period to start with June (leading to two different reports for the month of June). A series of data cleaning decisions (described in Section 5) were implemented to correct these situations but we note them here because they are relevant to the conversion of the data to linear months.

The "linear months" data reformats the variables so that each variable is a sequential representation of life event data for each month of the research participant's life from the baseline interview forward. Thus, "linear month 8" actually represents eight calendar months from the baseline and "linear month 16" is actually 16 months past the baseline interview. In this format, several issues are resolved. Specifically:

1. **Months not covered in the recall period are removed.** In the "recall period by-month" format (see here), there are place-markers for months not covered in the recall period (e.g., if S#NMonths = 5, variables for months 6 – 14 are still included but will be blank for that case). The actual number of months covered in the recall period will vary from case to case, with the majority having fewer than 14 months covered.

   In the linear format, variables outside of the range of months covered in the recall period are eliminated, so that only months with a subject self-report remain.

2. **Overlapping months are removed.** Situations where there were two reports for the same calendar month are corrected, and the duplicate month is removed entirely (click here for more information about overlapping months).

3. **Gap months are accounted for.** In some cases, a subject report is missing entirely for a particular calendar month. For instance, the end of the follow06 recall period may cover January 2000, and the beginning of follow12 covers March, resulting in an absence of a report for February. In this case, the missing calendar month (February) is included in the sequence of linear data but is noted as being a "gap" month (e.g., Linear month #6 = January; Linear month #7 = February ("gap month"); Linear month #8 = March, etc.).

   It's important to note that while a place-holder for the gap month is included in the linear sequence, there will not be any subject self-report data for that month (click here for more information about gap months).

4. **Missed timepoint interviews.** Place-holders for calendar months that are missing a subject self-report

due to a missed timepoint interview are also included in the linear sequence. As with gap months, all self-report data from the subject will be missing for these months.

Explanation of Linear Variables

Interview generated variables available in the linear format
All items in this calendar that are available in the "by month – by recall period" format are also available in the linear format.

Living Calendar Items

L##LocationID	"Unique ID associated with the main address this month"
L##NumPlLiv	"Number of different places lived during this month"
L##PlTypFac	"Location type for main address this month"

Runaway and Streets Calendars

L##RunAwyDays	"Total number of days ran away during this month"
L##StreetDays	"Total number of days living on the streets this month"

Subject Age

L##SubjAge	"Subject age (truncated)"
L##CTSubjAge	"Subject age (continuous)"

Number of Days Covered, and Calendar Months

L##NDays	"Number of days covered this month"
L##RealDate	"Calendar month and year linked to linear month"

Recall period month mapped to linear month number
In addition, a "map" is provided to link the linear month back to the recall period and month in which the information was originally collected. This is important to know when recall-level data is being used in conjunction with the monthly event calendar data.

For example, a trajectory analysis of employment at the monthly level is conducted. The investigator observes a distinct period of time when employment declines (or increases) and wants to understand what else is going on in the life of the participant on that trajectory during that particular period in time. He/she can look at recall-level data for that time period (e.g., symptoms, relationship quality) to draw some inferences.

L01TpMo to L87TpMo "Recall period month (s#m#) mapped to linear month number ##"

These variables link the recall period month (s#m#) to each linear month (e.g., whether linear moth number 26 is S5M1 or S5M4, etc.). A code and label is inserted into each month to indicate why data is missing for that particular calendar month. There are three important codes:

- **Months missing due to the timepoint interview being missed.**
  - These are noted with a series of five dashes (-----) in the TpMo variables (dashes are used instead of a numeric code because these are string variables).
  - In all other linear variables, a sysmis code of -201 (Month missing – timepoint interview missed) is assigned.

- **Months missing due to a gap in months between recall periods** (e.g., the end of s1 covered January, but the beginning of s2 started with March)

- These are noted as "-GAP-" in the TpMo variables.
- In all other linear variables, a sysmis code of -699 (Month missing – gap in months covered between recall periods) is assigned.

- **Months outside of the range of linear months covered by the case through the 84month interview.** Most cases do not have exactly 84 months covered through the follow84 timepoint. The maximum number of months covered by any case is 87, therefore all cases are allowed for that number of months, but most have fewer than that maximum.
  - Months outside of the range for a particular case are noted as 'nirp' (not in recall period) in the TpMo variables.
  - In all other linear variables, a sysmis code of -555 (Month outside the range of linear months covered by the case) is assigned.

Mapping Recall Level Information to Linear Month Data

Recall level information that is plotted by each unique location (e.g., public housing information) can be linked to a linear month using two sets of data:

Data plotted by unique location

S#LivCal_Loc##_ID – unique location ID (by unique location, by recall period)
S#LivCal_Loc##_PubHs – public housing information (by unique location, by recall period)

Linear Data

L01LocationID to L87LocationID – Unique location ID in the linear format

For each month of the recall period (S#M#), we collect a location short name, which is a brief description of the address for that month. This short name is pulled forward into a series of follow-up questions (including the public house data) for each unique location listed on the calendar. In place of the location name, we've created a three-digit code that is unique to each location within a case (e.g., 1234 Main Street in follow06, follow18 and follow36 will have the same three-digit code in each timepoint for that case).

The location ID variables by unique location (S#LivCal_Loc##_ID) will always match with the location ID plotted by month in the linear format (L##LocationID) – these two variables can be used together to link the public housing data with the monthly data.

Section 6: Data Issues

Overlapping Months

Introduction

The number of months covered in each recall period (S#NMonths) is usually automatically determined by the interview programming. Follow-up interviews for a particular timepoint must be conducted within a specific period of time, ranging from six weeks prior to the exact target date to eight weeks after the target date. The last month covered in the recall period is determined based on whether the interview was actually conducted in that month. If the interview was conducted after the 15th of the month, the last month of the recall period was set to the month in which it was conducted; if completed prior to the 15th, the last month was set to the month prior. For example, the last month of the recall period is set to February if the interview is conducted on or after February 15th. If the interview was conducted between February 1st and 14th, the last month of the recall period was set to January.

However, interviewers were able to override the programming that set the time frame for reporting, and in some situations they created two reports for the same month, collected at two different interviews. For instance, the follow30 timepoint may have a seven month recall period covering January through June, while the follow48 timepoint covered May through December, resulting in months May and June being covered in both timepoints.

Through follow84, there are 221 cases where the same calendar month was covered in two timepoint interviews. Data cleaning was carried out by staff at the coordinating center to remove data for the duplicate month, so that the end result is a single report for that calendar month. As a general rule, the recall period month that was closest to the time of the event for which information was being collected was kept, and the other month was removed. For example:

- The date of the follow06 interview is July 20th, 2000.
- S1M06 covers the month of July. In this recall period, the subject reports they were arrested and charged this month.

- The date of the follow12 interview is December 2000.
- S2M01 covers the month of July. Here, the subject does not report an arrest this month.

The date in S2M01 was removed. We believe the report of an arrest in S1M06 because the interview is being conducted in July, and the subject is reporting an arrest in that month. We believe the report of an arrest in S1M06 because this is closer to the time of the event (reporting an arrest in July while being interviewed in July) than the follow12 report (where the subject is being interviewed in December and trying to report on something that happened six months prior).

Impact on S#NMonths and calendar data

S#NMonths "Number of months covered in the recall period"

This variable refers to the number of months covered in the recall period and is important for all data plotted by month (refer to the "Interview Information" measure codebook for more specific information about this variable) and is impacted by the overlapping months issue.

The number of months removed as a result of overlap cleaning is deducted from the interview-generated value of S#NMonths, so that the **overlap corrected** value of S#NMonths represents the actual number of months for which there is a valid subject report for that recall period.

In the majority of cases, data within overlapping months at the beginning of the recall period were removed (e.g., when S1M06 and S2M01 overlap, S2M01 is removed). A system missing code is inserted for that month to indicate

that the month overlaps with the one in the prior recall period, and S2M01 will no longer hold any data. In these cases, the subject will have data in recall months that fall outside of the range of months indicated in S#NMonths. In other words, if a case originally had a five month recall period, and the first two months at the beginning are removed as a result of overlap, the new value of S#NMonths will be 3, but data will still be present in recall months 4 and 5.

For example:

- The original value of S#NMonths for follow12 = 4.
- S1M05 and S2M01 cover the month of May; all data for S2M01 are removed.

- The **overlap corrected** value of S#NMonths for follow12 = 3. Data is still present in S2M04.
- All self-reported subject data for S2M01 are removed. A system missing code indicates that that month overlaps with the one in the prior recall period.

	S1M01	**S1M02**	**S1M03**	**S1M04**	**S1M05 (KEEP)**		**S2M01 (REMOVE)**	**S2M02**	**S2M03**	**S2M04**
Calendar Month	January	February	March	April	May		May	June	July	August
Arrested Calendar (before cleaning)	No Arrest	No Arrest	No Arrest	No Arrest	**Arrest**		**No Arrest**	No Arrest	No Arrest	No Arrest
Arrested Calendar (after cleaning)	No Arrest	No Arrest	No Arrest	No Arrest	**Arrest**		**Overlap month – refer to other timepoint for data**	No Arrest	No Arrest	No Arrest

Gap Months

Introduction

In some situations, there is a gap in the months covered between recall periods. For instance, the follow30 timepoint may cover the calendar months January through July, while the follow36 recall period may cover calendar months October through December. In this situation, self-reported subject data is not obtained for the months of August and September.

Through follow84, there are 125 cases that have at least one "gap" month between recall periods, with 31 of these cases having two or more missing months.

Appendix A: Living Situation Summary Table

Description of Variable	Variable Name	Version Change	Page Number
By recall period			
Number of unique locations lived	S#Num_Unique_Locations		16
By "main" location			
Unique ID associated with main living location across all addresses	S#LivCal_MainLocID		15
Type of main living location across all addresses	S#LivCal_MainLocType		15
By "main" community location			
Unique ID associated with main living location (community only)	S#LivCal_MainFreeID		15
Type of main living location (community only)	S#LivCal_MainFreeType		15
Living arrangements – count and proportion of months living in each location type			
Number of months living in own home	S#OwnPlace_Count		16, 17
Proportion of months living in own home	S#LivCal_OwnPlace		16, 17
Number of months living in private home	S#PrivateHome_Count		16, 17
Proportion of months living in private home	S#LivCal_PrivateHome		16, 17
Number of months living in facility	S#Facility_Count		16, 17
Proportion of months living in facility	S#LivCal_Facility		16, 17
Number of months living in streets/shelter/place to place	S#Shelter_Strts_Count		16, 17
Proportion of months living in streets/shelter/place to place	S#LivCal_Shelter_Strts		16, 17
Number of months living in other	S#Other_Count		16, 17
Proportion of months living in other	S#LivCal_Other		16, 17
Household Composition			
Total number of people living in main location	S#HomeQ_HHNum		19
Relationship code of people living in main location	S#HomeQ_Biofather to S#HomeQ_Other	X	19, 20
Count of people falling into each relationship code living at main location	S#NumBioFathers to S#NumOther	X	19, 20
Total number of adults in the home	S#Adults		19, 21
Family Structure	S#FamStr		19, 21
Is biological father living in the household	S#bdadhh		19, 22

Is biological mother living in the household	S#bmomhh		19, 22
Number of biological parents in the household	S#NbpHom		19, 22
Presence of a primary caregiver			
Relationship code of primary caregiver	S#HomeQ_PriAdR	X	22
Whether primary caregiver lives with subject at end of recall period	S#HomeQ_PriAdL	X	22, 23
Whether subject lived with primary caregiver at any point in recall period	S#HomeQ_PriAd6	X	22, 23
Whether primary caregiver is same as one mentioned at previous interview	S#HomeQ_PriSam	X	22, 23
Whether subject reports that primary caregiver has emotional problems	S#HomeQ_PriEmo	X	22, 23
Whether primary caregiver with emotional problems currently lives with the subject	S#Pricaregvr_EmoAtH	X	22, 24
Whether subject reports that primary caregiver has drug/alcohol problems	S#HomeQ_PriSub	X	22, 24
Whether primary caregiver with drug/alcohol problems currently lives with the subject	S#Pricaregvr_SubAtH	X	22, 24
History of running away			
Whether subject reports running away	S#HomeQ_RunAwy	X	25
Number of times reported running away	S#HomeQ_RunNum	X	25
Number of days spent on the run	S#RunAwayDays	X	25
History of homelessness			
Whether subject reports living on streets	S#HomeQ_Streets		26
Number of times living on streets	S#HomeQ_StrtNum		26
Number of days living on streets	S#StreetsDays		26
Combined history of running away and homelessness			
Combined number of days running away or living in streets	S#RunAway_StreetsDays		26
By month			
Living Calendar			
Unique Location ID	S#LivCal_ID_M##		11
Type of setting (e.g., institution, parents' home)	S#LivCal_PlTypFac_M##		12
Number of different places lived	S#LivCal_NumPlLiv_M##		12
History of running away and homelessness			
Number of days run away	S#HomeQ_RunAwyDays_M##	X	25

Number of days lived in streets	S#HomeQ_StreetDays_M##		26
Data characterizing the recall period			
Subject age at each month (truncated)	S#SubjAge_M##		31
Subject age at each month (continuous)	S#CTSubjAge_M##		31
Number of days covered in each month	S#NDays##		31
Calendar month linked to each s#m#	S#RealDate##		31
By unique location			
Location identification			
Unique location ID	S#LivCal_Loc##_ID		13
Type of setting	S#LivCal_Loc##_PltypFac		13
If facility, unique numeric identifier	S#LivCal_Loc##_PlCodeFac		14
Public housing status			
Whether location is considered public housing	S#LivCal_Loc##_PubHs		14
How far location is from nearest public housing	S#LivCal_Loc##_HwFar_Number S#LivCal_Loc##_HwFar_Units		14
Cumulative variables (1yr, 2yr, 3yr, 4yr, 5yr, 6yr, 7yr)			
Proportion of months living in:			
Own home	LivCal_Year#_OwnPlace		17, 18
Private home	LivCal_Year#_PrivateHome		17, 18
Facility	LivCal_Year#_Facility		17, 18
Streets/shelter	LivCal_Year#_Shelter_Strts		17, 18
Other	LivCal_Year#_Other		17, 18
By linear month			
Living Calendar			
Unique Location ID	L##LivCal_LocationID		32, 33
Type of setting (e.g., institution, parents' home)	L##LivCal_PlTypFac		32, 33
Number of different places lived	L##LivCal_NumPlLiv		32, 33
History of running away and homelessness			
Number of days run away	L##LivCal_RunAwyDays		32, 33
Number of days lived in streets	L##LivCal_StreetDays		32, 33
Data characterizing the recall period			
Subject age at each month (truncated)	L##SubjAge		32, 33
Subject age at each month (continuous)	L##CTSubjAge		32, 33
Number of days covered in each month	L##NDays		32, 33

Calendar month linked to each s#m#	L##RealDate		32, 33
Recall period month (s#m#) mapped to linear month number ##	L##TpMo		32 - 34
Additional sections supplement this calendar. Refer to the codebook section for each listing for more information			
Interview Information – contains variables that describe basic information related to the interview, such as interview completion status, interview date, version, and number of months and days covered by the recall period. This can be found under the "Interview Information" section of the Measures codebook.			
Characteristics of Family – contains information regarding the criminal activity of family members living at the subject's home address during the recall period. Refer to the "Characteristics of Family" codebook under "Measures" for more information.			