CODEBOOK
Robin Hood 2016-2017 12m-Follow up Survey
Updated May 18, 2023

[VAR: **q4a1**]

In this section, I'm going to ask you some questions about housing. What is your current housing situation? Please stop me when I read the statement that best describes your situation. Do you...

PUNCH	RESPONSE
1	Rent your own apartment or house
2	Own your own apartment or house
3	Live with family or friends who rent and you contribute part of the rent
4	Live with family or friends who rent but you do not pay rent
5	Rent a room, but not from family or friends
6	Live in an apartment or house owned by another family member
7	Live in temporary housing or a group shelter
8	Live on the street or in a park, abandoned building, automobile or similar place
9	Have some other housing arrangement? (Please Specify [see VAR: qa1x])
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a3_gender**]

I'd like to make a list of the people who you currently [live with/in your household] starting with yourself. Please tell me whether you are male or female, and your age.

PUNCH	RESPONSE
1	Male
2	Female
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a3_age_tc**]

I'd like to make a list of the people who you currently [live with/in your household] starting with yourself. Please tell me whether you are male or female, and your age. (top-coded at 85)

PUNCH	RESPONSE
1-85	Age in years
988	Don't know
999	Refused to answer

[VAR: **q4a4**]

Presence of anyone else in the household?

PUNCH	RESPONSE
1	Yes
2	No

97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a4_rel1-9**]   **How are they related to you?**

PUNCH	RESPONSE
1	Spouse
2	Domestic partner
3	Biological/adopted child
4	Stepchild/child of domestic partner
5	Grandchild
6	Brother/sister
7	Foster child
8	Parent
9	Other relative
10	Housemate/roommate
11	Roomer/boarder
12	Other nonrelative
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a4_gender1-9**]   **Is this person male or female?**

PUNCH	RESPONSE
1	Male
2	Female
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a4_age1-9_tc**]   **How old is this person? (top-coded at 85)**

PUNCH	RESPONSE
1-85	Age in years
988	Don't know
999	Refused to answer

[VAR: **q4j1_1**]   **Which of the following, if any, have happened to you in the past 3 months?**
You moved?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't Know
99	Refused to answer

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[VAR: **q4j1_2**]

Which of the following, if any, have happened to you in the past 3 months?

You has a child?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j1_3**]

Which of the following, if any, have happened to you in the past 3 months?

Someone moved into the household?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j1_4**]

Which of the following, if any, have happened to you in the past 3 months?

Someone move out of the household?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j1_5**]

Which of the following, if any, have happened to you in the past 3 months?

You started a relationship?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j1_6**]

Which of the following, if any, have happened to you in the past 3 months?

You ended a relationship?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know

	99	Refused to answer

[VAR: **q4j1_7**]

Which of the following, if any, have happened to you in the past 3 months?
You had a change in childcare?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j1_8**]

Which of the following, if any, have happened to you in the past 3 months?
You took time off work to talk to your child's teacher?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j2_1**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months
Someone started a new job?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j2_2**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months
Someone lost a job?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j2_3**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months

5

Someone started to receive public benefits?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j2_4**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone's public benefits were cut off?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j2_5**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone had an unanticipated major expense

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j2_6**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone had a major increase in income?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4j2_7**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone had a major decrease in income?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer

98	Don't know
99	Refused to answer

[VAR: **q4j2_8**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone had an accident, injury or illness that interfered with work or life?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j2_9**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone was the victim of a crime?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4j2_11**]

Which of the following, if any, have happened to you or anyone in your household in the past 3 months Someone lost or broke expensive belongings?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a8**]

What is your total monthly rent?

PUNCH	RESPONSE
1	Entered response
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a8x_tc**]

What is your total monthly rent? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4a9**]

What was the monthly contribution to rent by the respondent and relatives in the household?

PUNCH	RESPONSE

1	Entered response:
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a9x_tc**]

What is the monthly contribution to rent by the respondent and relatives in the household? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

60. [VAR: **q4a9a**]

Is the place where you live under rent control or rent stabilization?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a10**]

How much is the regular monthly mortgage payment on your apartment or house?

PUNCH	RESPONSE
1	Entered response
2	No mortgage
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4a10x_tc**]

How much is the regular monthly mortgage payment on your apartment or house?

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4a11**]

How many bedrooms are in your apartment or house?

PUNCH	RESPONSE
0	0-Studio
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

	97	No answer
	98	Don't know
	99	Refused to answer

[VAR: **q4b1**]   **How would you rate your neighborhood?**

PUNCH	RESPONSE
1	Excellent
2	Very good
3	Good
4	Only fair
5	Poor
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b2**]   **How would you rate NYC as a place to live?**

PUNCH	RESPONSE
1	Excellent
2	Very good
3	Good
4	Only fair
5	Poor
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b3**]   **How safe from crime do you consider your neighborhood to be?**

PUNCH	RESPONSE
1	Very safe
2	Somewhat safe
3	Not very safe
4	Not at all safe
97	No answer
98	Don't know
99	Refused

[VAR: **q4b5_1**]   **Do you use prekindergarten services?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_1x**]   **How many hours does your child spend at prekindergarten each week?**

PUNCH   RESPONSE

9

Open ended   Entered response

[VAR: **q4b5_2**]   **Do you use head start services?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_2x**]   **How many hours does your child spend at head Start each week?**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b5_3**]   **Do you use preschool/nursery school/daycare center services?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_3x**]   **How many hours does your child spend at Preschool each week?**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b5_4**]   **Do you use family daycare/ paid care provided in someone's home?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_4x**]   **How many hours does your child spend at family daycare each week?**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b5_5**]   **Do you use a babysitter or nanny in your home?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer

| | 98 | Don't know |
| | 99 | Refused to answer |

[VAR: **q4b5_5x**]

How many hours does your child spend with A babysitter each week?

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b5_6**]

Do you use free child care with a relative?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_6x**]

How many hours does your child spend in free child care with a relative each week?

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b5_7**]

Do you use other child care?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4b5_7x**]

How many hours does your child spend in other child care each week?

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q4b6**]

Do any of your children attend any after-school programs at school or at a community organization?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4b7**]

Do any of your children participate in any activities outside of school, such as sports, music lessons, or arts classes?

PUNCH	RESPONSE
1	Yes

2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4c1**]

In the past 12 months did you or anyone else get free food from a church, food pantry, or food bank?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4c2**]

How often did you or any member of your household receive free food?

PUNCH	RESPONSE
1	Weekly
2	Several times a month
3	About once a month
4	Several times a year
5	Once or twice in the past year
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4c3**]

In the past 12 have you [or has anyone else in your household] stayed at a homeless facility, such as a shelter, church, mission, or any other temporary housing provided by a community agency? [Asked of those who didn't currently live in temporary housing. In the data, all subjects who did currently live in temporary housing have been recoded as "1. Yes." So all subjects have a nonmissing value for q4c3.]

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4c4**]

In the past 12m, how many nights have you spent in temporary housing?

PUNCH	RESPONSE
1	Entered number of nights
97	No answer

12

98	Don't know
99	Refused

[VAR: **q4c4x**]

How many nights have you [or others in your household] spent at a homeless facility in the past 12 months?

PUNCH	RESPONSE
1	Less than 10 days
2	10-30 days
3	30-100 days
4	100+ days

[VAR: **q4d1**]

Would you say your health is excellent, very good, good, fair or poor?

PUNCH	RESPONSE
1	Excellent
2	Very good
3	Good
4	Fair
5	Poor
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4d2**]

Do you have a health problem or disability which prevents you from working or which limits the kind or amount of work you can do?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4d5**]

In a typical week, how often do you worry about money?

PUNCH	RESPONSE
1	Often
2	Sometimes
3	Rarely
4	Never
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4d6**]

On a scale from 0 to 10, how would you rate your life in the past 12 months?

PUNCH	RESPONSE
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4d7_1**]

About how often during the past 30 days did you feel so depressed that nothing could cheer you up?

PUNCH	RESPONSE
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d7_2**]

About how often during the past 30 days did you feel nervous?

PUNCH	RESPONSE
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d7_3**]

About how often during the past 30 days did you feel restless or fidgety?

PUNCH	RESPONSE
1	All of the time
2	Most of the time

3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d7_4**]

About how often during the past 30 days did you feel hopeless?

PUNCH	RESPONSE
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d7_5**]

About how often during the past 30 days did you feel that everything was an effort?

PUNCH	RESPONSE
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d7_6**]

About how often during the past 30 days did you feel worthless?

PUNCH	RESPONSE
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
97	No answer
98	Don't know
99	Refused

[VAR: **q4d1_sp**]

How would you rate your spouse or partner's health?

PUNCH	RESPONSE
1	Excellent
2	Very good

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3	Good
4	Fair
5	Poor
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4d2_sp**]

Does your spouse/partner have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f1**]

Which of these statements best describes the food eaten in your household?

PUNCH	RESPONSE
1	Enough of the kinds of food we want to eat
2	Enough, but not always the kinds of foods we want
3	Sometimes not enough to eat
4	Often not enough to eat
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f2**]

For each statement, please select whether this was often true, sometimes true, or never true for your household in the past 12 months.
You worried whether food would run out before you got money to buy more?

PUNCH	RESPONSE
1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused

[VAR: **q4f3**]

For each statement, please select whether this was often true, sometimes true, or never true for your household in the past 12 months.
Your food ran out before you got money to buy more?

PUNCH	RESPONSE

1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f4**]

For each statement, please select whether this was true or not for your household in the past 12 months.
Did you not pay the full amount of rent or mortgage?

PUNCH	RESPONSE
1	Yes
2	No
3	Did not have rent/mortgage
97	No answer
98	Don't know
99	Refused

[VAR: **q4f5**]

For each statement, please select whether this was true or not for your household in the past 12 months.
Did you move in with others for financial reasons?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f6**]

For each statement, please select whether this was true or not for your household in the past 12 months.
Did you stay in a shelter/car/or other place not meant for regular housing?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f7**]

For each statement, please select whether this was true or not for your household in the past 12 months.

Did you not pay the full amount of your phone, gas, oil or electricity bill because there wasn't enough money?

PUNCH	RESPONSE
1	Yes
2	No
3	Do not have phone/utility bill
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f8**]

For each statement, please select whether this was true or not for your household in the past 12 months.
Was your phone, gas, or electricity service ever cut off because there wasn't enough money to pay the bills?

PUNCH	RESPONSE
1	Yes
2	No
3	Do not have phone or utility bill
4	Cable cut off
97	No answer
98	Don't know
99	Refused

[VAR: **q4f9**]

For each statement, please select whether this was true or not for your household in the past 12 months.
Did you need medical care but could not afford it?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f9a**]

In the past 12 months, was there a time when you didn't fill a prescription for medicine because of the cost?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

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[VAR: **q4f10**]   **During that same time period how often did you run out of money between paychecks or before the end of the month?**

PUNCH	RESPONSE
1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f12**]   **How many children under 18 does this family member have?**

PUNCH	RESPONSE
0	0
1	1
2	2
3	3
4	4
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4f13**]   **How many other additional incarcerated family members do you have?**

PUNCH	RESPONSE
0	0
1	1
2	2
3	3
4	4
5	5
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4g1**]   **What is your current employment status?**

PUNCH	RESPONSE
1	Working full-time
2	Working part-time
3	On leave from a job or temp. laid off
4	Looking for work
5	Unable to work
6	Keeping house
7	Going to school
8	Retired

9	Other
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4g4**]   **What is your spouse/partner's current employment status?**

PUNCH	RESPONSE
1	Working full-time
2	Working part-time
3	On leave from a job or temp. laid off
4	Looking for work
5	Unable to work
6	Keeping house
7	Going to school
8	Retired
9	Other
97	No answer
98	Don't know
99	Refused

[VAR: **q4h5_6**]   **In the past 12 months did you/your spouse receive… …WIC?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4h5_7**]   **In the past 12 months did you/your spouse receive… …housing assistance/section 8?**

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4h5_8**]   **In the past 12 months did you/your spouse receive… …Medicaid/SCHIP/govt healthcare prog?**

PUNCH	RESPONSE
1	Yes
2	No

97	No answer
98	Don't know
99	Refused to answer

[VAR: **q4h20_1**]

Suppose that you have an emergency expense that costs $400. Based on your current financial situation, how would you pay for this expense? If you would use more than one method to cover this expense, please select all that apply.
Put it on my credit card and pay it off in full at the next statement

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_2**]

Put it on my credit card and pay it off over time

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_3**]

With the money currently in my checking/savings account or with cash

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_4**]

Using money from a bank loan or line of credit

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_5**]

By borrowing from a friend or family member

PUNCH	RESPONSE
1	Yes
2	No
97	No answer

98	Don't know
99	Refused

[VAR: **q4h20_6**]

Using a payday loan, deposit advance, or overdraft

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_7**]

By selling something

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_8**]

I wouldn't be able to pay for the expense right now

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h20_9**]

OTHER (PLEASE SPECIFY)

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h21a**]

Next, we want to ask you about help you could get during this next year if you needed it. If you needed help during the next year, could you count on someone to loan you $400?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4h21b**]

Next, we want to ask you about help you could get during this next year if you needed it. If you needed

help during the next year, could you count on someone to loan you $1000?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **q4opmres**]

OPM Household Resources– Using top-coded income values

PUNCH	RESPONSE
	Calculated by taking the summation of imp_pearnhd_tc, imp_pearnsp_tc, imp_pincret_tc, imp_pincdis_tc, imp_pincwelf_tc, imp_pincui_tc, imp_pincreg_tc, imp_pincoth_tc, imp_pincothh_tc

[VAR: **q4spmres**]

SPM Household Resources– Using top-coded income values

PUNCH	RESPONSE
	Calculated by taking summation of imp_pearnhd_tc, imp_pearnsp_tc, imp_pincret_tc, imp_pincdis_tc, imp_pincwelf_tc, imp_pincui_tc, imp_pincsnap_tc, imp_pincreg_tc, imp_pincoth_tc, imp_pincothhh_tc, subsidy, frsl, wicval, and subtracting imp_pmoop_tc, imp_pchwoop_tc, federal taxes, state taxes, and payroll taxes (calculated using taxsim)

[VAR: **q4opmthresh**]

OPM Threshold

PUNCH	RESPONSE
	Calculated using U.S. Census Bureau guidelines.

[VAR: **q4spmthresh**]

SPM Threshold

PUNCH	RESPONSE
	Calculated using U.S. Census Bureau guidelines.

[VAR: **q4opmpov**]

Is respondent below official poverty line? – Using top-coded income values

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **q4spmpov**]

Is respondent below supplemental poverty line? – Using top-coded income values

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **q4sppart**]

Do you have a spouse or partner living with you?

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **q4adultx_tc**]

How many adults live in the family? - Capped at 9

PUNCH	RESPONSE
1-8	1-8

[VAR: **q4childx_tc**]

How many children under 18 live in the family? - Capped at 9

PUNCH	RESPONSE
0-9	0-9

[VAR: **q4personx_tc**]

Number of people in family? - Capped at 9

PUNCH	RESPONSE
0-9	0-9

[VAR: **imp_q4moswork**]

During the past 12 months, in how many months did you work? Imputed G2

PUNCH	RESPONSE
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12

[VAR: **imp_q4smoswork**]

During the past 12 months, in how many months did your spouse/partner work? Imputed G5

PUNCH	RESPONSE
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

8	8
9	9
10	10
11	11
12	12

[VAR: **q4newyork**]

Is respondent still a resident of NYC?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4disyes**]

Disability income. Imputed version of H5_2.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4othyes**]

Other income/benefits not mentioned. Imputed version of H5_10.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4regyes**]

Regular financial assistance from someone outside the household. Imputed version of qh5_9.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4retyes**]

Retirement income. Imputed version of H5_1.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4snapyes**]

SNAP or food stamps. Imputed version of H5_5.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4uiyes**]

Unemployment income. Imputed version of H5_4.

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4welfyes**]   **Public or cash assistance or welfare payments. Imputed version of H5_3**

PUNCH	RESPONSE
1	Yes
2	No

[VAR: **imp_q4earnhd_tc**]   **Imputed head of household (top-coded at 90%) - Imputed version of H1.**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4earnsp_tc**]   **Imputed spouse earnings (top-coded at 90%)- Imputed version of H3.**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4incothhh_tc**]   **Imputed income from other household members (top-coded at 90%)- Imputed version of H7.**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4incdis_tc**]   **Imputed income from disability (top-coded at 90%)– Imputed version of H6_2**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4incoth_tc**]   **Imputed income from other source not listed (top-coded at 90%)– Imputed version of H6_7**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4increg_tc**]   **Imputed regular financial assistance from someone outside the household (top-coded at 90%)– Imputed version of H6_6**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4incret_tc**]   **Imputed retirement income, including Social Security or survivor's benefits (top-coded at 90%)– Imputed version of H6_1**

[See Appendix A]   PUNCH   RESPONSE

Entered Response

[VAR: **imp_q4incsnap_tc**]		**Imputed income from food stamps or SNAP benefits (Top-coded at 90%). - Imputed version of H6_5.**
[See Appendix A]	PUNCH	RESPONSE
		Entered Response

[VAR: **imp_q4incui_tc**]		**Imputed income from unemployment benefits (Top-coded at 90%). - Imputed version of H6_5.**
[See Appendix A]	PUNCH	RESPONSE
		Entered Response

[VAR: **imp_q4incwelf_tc**]		**Imputed income from welfare benefits (Top-coded at 90%). - Imputed version of H6_3.**
[See Appendix A]	PUNCH	RESPONSE
		Entered Response

[VAR: **q4spm_incneeds_tc**]		**SPM income to needs ratio. Using top-coded income values**
	PUNCH	RESPONSE
		Calculated by dividing spmres by spmthresh.

[VAR: **q4frsl**]		**Calculated by multiplying the average value of [full and reduced school lunch values](#) by the number of school-aged children in the household by the number of school days in the year. The number of school days in the year is the same as is assumed by the U.S. Census Bureau (Short Personal Communication 2013).**
	PUNCH	RESPONSE

[VAR: **q4fica_tc**]		**FICA Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/(Top-coded at 90%)**
	PUNCH	RESPONSE

[VAR: **q4siitax_tc**]		**State Income Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/ (Top-coded at 90%)**
	PUNCH	RESPONSE

[VAR: **q4fiitax_tc**]		**Federal Income Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/ (Top-coded at 90%)**
	PUNCH	RESPONSE

[VAR: **q4subsidyvalue_tc**]

Housing Subsidy (Top-coded at 90%)- Calculated by subtracting annual rent from subsidy cap for those receiving rent control, in government housing, or renters who pay no rent.

PUNCH   RESPONSE

[VAR: **q4wicval**]

WIC Value (Top-coded at 90%)- Calculated by multiplying the number of children under 6 by the estimated average WIC value.
(for those who said they receive WIC)

[VAR: **imp_q4chwoop_tc**]

Imputed child care expenses and work expenses (Top-coded at 90%)- imputed from q4h10 and q4h19.

PUNCH   RESPONSE

Entered response

[VAR: **imp_q4moop_tc**]

Imputed medical out of pocket expenses (Top-coded at 90%)- imputed from q4h18.

PUNCH   RESPONSE

Entered response

[VAR: **q4opm_incneeds_tc**]

OPM income to needs ratio. – Using top-coded income values

PUNCH   RESPONSE

Calculated by dividing opmres by opmthresh.

[VAR: **imp_q4hous1**]

In the past 12 months, did you not pay the full amount of rent or mortgage because there wasn't enough money? – Imputed q4f4

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4hous2**]

[In the past 12 months,] did you move in with other people even for a little while because of financial problems? – Imputed q4f5

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4hous3**]

[In the past 12 months did you stay at a shelter,

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in an abandoned building, an automobile, or any other place not meant for regular housing, even for one night? – Imputed q4f6

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4bill1**]

[In the past 12 months,] did you not pay the full amount of your phone, gas, oil or electricity bill because there wasn't enough money? – Imputed q4f7

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4bill2**]

[In the past 12 months,] was your phone, gas or electricity service ever cut off because there wasn't enough money to pay the bills? – Imputed q4f8

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4medic1**]

[In the past 12 months,] was there a time when you [or anyone else in your household] needed to see a doctor, a dentist or go to the hospital but couldn't go because of the cost? – Imputed q4f9

Punch	Response
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4financ1**]

[In the past 12 months,] how often did you run out of money between paychecks or before the end of the month? Would you say that happened…? – Imputed q4f10

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Punch	Response
1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4food1**]

Which of these statements best describes the food eaten in your household? – Imputed q4f1

Punch	Response
1	Enough of the kinds of food we want to eat
2	Enough, but not always the kind of food we want to eat
3	Sometimes not enough to eat
4	Often not enough to eat
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4food2**]

"[I / We] worried whether [my / our] food Would run out before [I / we] got money to buy more." Would you say… - Imputed q4f2

Punch	Response
1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4food3**]

"The food [I / we] bought just didn't last and [I/we] didn't have money to get more" Would you say… - Imputed q4f3

Punch	Response
1	Often
2	Sometimes
3	Never
97	No answer
98	Don't know
99	Refused

[VAR: **imp_q4foodindmod**]

Moderate food hardship – (imp_q4food1=3 or imp_q4food2=2 or imp_q4food3=2) and (imp_q4food1 ≠ 4 & imp_q4food2 ≠ 1 and imp_q4food3 ≠ 1)

Punch	Response
1	Yes

| | | 2 | No |

[VAR: **imp_q4foodindsev**]   **Severe food hardship – (imp_q4food1=4 or imp_q4food2=1 or imp_q4food3=1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4houseindmod**]   **Moderate housing hardship – (imp_q4hous1 =1) and (imp_q4hous2≠1 and imp_q4hous3≠1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4houseindsev**]   **Severe housing hardship – (imp_q4hous2=1 or imp_q4hous3=1 or q4a1=7 or q4a1=8)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4billindmod**]   **Moderate billing hardship – (imp_q4bill1=1 and imp_q4bill2≠1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4billindsev**]   **Severe billing hardship – (imp_q4bill2=1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4financindmod**]   **Moderate financial hardship – (imp_q4financ1=2)**

Punch	Response
	Yes
1	No
2	

[VAR: **imp_q4financindsev**]   **Severe financial hardship – (imp_q4financ1=1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4medichard**]   **Medical hardship (imp_q4medic1=1)**

Punch	Response
1	Yes
2	No

[VAR: **imp_q4health**]   **Self-reported health – Imputed q4d1**

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	Punch	Response
	1	Excellent
	2	Very Good
	3	Good
	4	Fair
	5	Poor

[VAR: **imp_q4healthlim**]   **Work limiting health condition – Imputed q4d2**

Punch	Response
1	Yes
2	No

[VAR: **q4sevhard**]   **Severe material hardship – (imp_q4billindsev=1 or imp_q4financindsev=1 or imp_q4foodindsev=1 or imp_q4houseindsev=1 or imp_q4medichard=1)**

Punch	Response
1	Yes
2	No

[VAR: **q4sevhealthd**]   **Severe health problem – (imp_q4health=5 or imp_q4healthlim=1)**

Punch	Response
1	Yes
2	No

[VAR: **q4surveyyear**]   **Survey Year**

[VAR: **q4surveymonth**]   **Survey Month**

[VAR: **q4weight_p**]   **Longitudinal person level weight**
[See Appendix B]

[VAR: **q4weight_pu**]   **Longitudinal Family level weight**
[See Appendix B]

[VAR: **q4late**]   **Flag indicating whether subject took the 12m survey late.**

PUNCH	RESPONSE
1	Yes
2	No

Appendix A

Overview of Imputations

Multiple imputation is carried out primarily using the expectation-maximization with bootstrapping algorithm provided by the Amelia R package. This entails making several standard assumptions about the underlying data generating process: the complete data (after appropriate transformations of constrained variables) can be described by a multivariate Gaussian distribution; and the data are *missing at random*, commonly abbreviated as MAR. In short, the MAR assumption says that missingness may depend on observed values, but is independent of the missing values themselves. For more details on these assumptions and the imputation methods see Honaker, King, and Blackwell (2011). In the imputation process for all of the variables described below, we condition on available demographic information (e.g., age, race, sex, education level, marriage status, immigration status, etc.). Since the imputations are performed jointly, we are also using the information from the observations of the other survey variables being imputed.

Earnings of head of household and spouse/partner

Included variables:
- o **imp_q4earnhd_tc** (top-coded head of household earnings)
- o **imp_q4earnsp_tc** (top-coded spouse/partner earnings)

For survey questions related to the earnings of the head of household and their spouse or partner, respondents can provide a numerical value (a dollar amount) or a categorical value (an earnings bracket). For respondents with missing continuous values but observed categorical values, we impute a continuous value for them according to the distribution of the continuous values for respondents in the

same earnings bracket. If neither a dollar amount nor a bracket is provided then we directly impute a positive dollar amount.

Some respondents with missing values on the earnings questions also do not report the number of months that they and/or their spouse or partner worked during the previous year. For these cases we also impute number of months worked (between 0 and 12) and subsequently we only require the imputations for earnings if number of months worked is not zero.

Income from other sources

Included variables:
- o **imp_q4incdis_tc** (top-coded income from paid disability)
- o **imp_q4incsnap_tc** (top-coded income from SNAP food assistance program)
- o **imp_q4incwelf_tc** (top-coded income from welfare payments)
- o **imp_q4incui_tc** (top-coded income from unemployment payments)
- o **imp_q4incret_tc** (top-coded income from retirement funds)
- o **imp_q4increg_tc** (top-coded income from regular financial assistance from someone outside the household)
- o **imp_q4incoth_tc** (top-coded income from other sources)

For each survey question related to other sources of income not covered by the earnings of the head of household, their spouse or partner, and income from other family members in the household (e.g. income from welfare payments, disability, retirement funds) we use a two-stage imputation process. First we impute a binary value indicating whether or not the respondent received this type of income. Conditional on receiving this type of income we then impute a positive dollar value for the amount received.

Income from other family members in household

Included variables:
- o **imp_q4incothhh_tc** (top-coded income from other family members in the same household)

Like the questions about earnings for the head of household and their spouse or partner, the question about income from of other family members in the household can be answered either by providing a numerical dollar value or a categorical value indicating an income bracket. If neither is provided then we directly impute a dollar amount. If the dollar value is missing but the respondent provides a categorical value then we impute a continuous value according to the distribution of the continuous values in the same income bracket.

References

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Appendix B

Overview

This memo details our approach to survey weighting, by which we ensure that the Robin Hood Poverty Tracker sample is representative of New Yorkers age 18 and over. The primary Poverty Tracker is selected from an option survey at the conclusion of the Community Healthy Survey. The CHS is a Random Digit Dial (RDD) phone sample conducted by the survey research organization SRBI. The first panel generated a sample of approximately 3,403 RDD sample members. We included both landline and cell phone numbers in our sample frame. In addition, a second pool of 505 participants were recruited from agencies that provide assistance to low-income individuals. The purpose of this second pool was to oversample those using social service agencies in New York City. Oversample specific populations characteristics (social service agencies in this case) is a statistically and efficient way to increase the sample sizes of populations of interest in surveys.

Survey weights are then used to adjust statistical parameters (estimates) so that inferences made from the data apply to the overall population from which the sample was drawn (in this case, NYC). Data are weighted to a three-year American Community Survey (ACS) dataset provided by the United States Census Bureau.

The weighting approach that we employ, which adjusts for oversampling and for random over- or under-representation, for non-response, and for attrition, is used in all nationally and locally representative studies.

In the remainder of this memo, we provide more technical details on the construction of Poverty Tracker survey weights. The target population is adults (18+) who are New York City residents.

Structure of baseline sample

SRBI

The SRBI phone sample consists of 3,403 New York City residents contacted by random digit dialing (RDD). Of the 3,403 respondents, 1,774 were contacted by cellphone and 1,629 by landline.

Agency

The face-to-face sample includes 505 respondents from 26 agencies.

SRBI cell phone 1,774

SRBI landline 1,629

Agency 505

Total 3,908

Subsequent waves

For subsequent survey waves, we adjust for panel attrition using the stratification response propensity score method. Non-coverage is addressed by post-stratification. For each survey wave we compute individual weights for each respondent as well as family (poverty unit) weights.

Poverty units

The definition of the poverty unit differs from the traditional family in that unmarried partners are included as family members. Poverty unit weights are obtained from the personal weights by dividing by the number of adults in the poverty unit.

Post-stratification

The data used for post-stratification comes from 2014-2016 American Community Survey (ACS) NYC sample. We approximate the population distributions of the post-stratification variables using weighted ACS numbers.[1]

For agency sample, one variable, social service use, is not collected by the ACS. While, it is important to post-stratify on this variable because the agency sample oversamples individuals who use these services. We use the SRBI sample to estimate social service use in the population, which we used to post-stratify to.

Baseline weights

Constructing the baseline weights consists of three steps:

1. Weight the SRBI phone sample to match the NYC adult population (see the SRBI weights section).
2. Use the weighted SRBI sample to estimate the population distribution of social service use (see the Agency weights section).
3. Combine the SRBI and agency samples and weight to match social service use and demographics (see the Combined weights section).

SRBI weights

Using the SRBI phone sample only, we adjust for selection bias and nonresponse to match the ACS data:

1. ***Adjustment for the number of adults in the household and family.*** The larger household, the smaller the selection probability is for each individual. However, the larger the family, the larger the response probability from the family. We therefore need to weight up larger households while weighting down larger families. Gelman and Little (1988) recommend square roots for this weighting adjustment because inverse probability weights for household sizes tend to overcorrect in telephone surveys. For each respondent we use the square root of the ratio of the number of adults in the household to the number of adults in the family.

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[1] That is, we use the weights provided with the ACS and obtain a weighted frequency for each post-stratification variable.

2. ***Adjustment for phone availability***. Respondents with multiple phones in the household are more likely to be selected into the sample, while those who experience interrupted phone service are less likely to be selected. In this stage of the weighting process, we assign respondents in these two categories weights of ½ and 2, respectively.

   Because the landline and cellular RDD frames overlap there are cases of dual-service, that is, respondents from the landline sample who also have a cell phone in the household or respondents from the cell phone sample who also have landline service. We use frame integration weights (Lohr, 2009) to combine the landline and cellular components of the sample, with the dual-service respondents from the two frames integrated in proportion to their effective sample sizes. We can make this adjustment by assuming that the dual-service households from each of the two groups are random samples from the population of dual-service households.

   To compute the effective sample sizes, we first calculate a design effects for both landline and cellular groups. For the cellular sample we take the weights for the respondents who also have landline and compute the coefficient of variation cv_C. For the landline sample the calculation of cv_L is analogous. We take the design effects to be $1 + cv_C{}^2$ and $1 + cv_L{}^2$, respectively. The effective sample sizes (ESS) for the dual-service cases are then computed as the raw sample sizes divided by the design effects.

   Finally, the frame integration weights for the dual-service cell phone cases (cell phone respondents who have a landline) are $\mathrm{fiw_C} = \frac{ESS_C}{ESS_C + ESS_L}$, which is the ratio of the effective number of dual-service cases among the cell phone respondents to the total effective number of dual-service cases in the landline and cell phone respondents combined. For the dual-service landline respondents, the frame integration weights are computed analogous as $\mathrm{fiw_L} = \frac{ESS_L}{ESS_C + ESS_L}$. Single-service cases (in this case landline-only or cellphone-only) are given a frame integration weight of 1.

3. ***Adjustment for deviation on SES information from corresponding ACS-NYC 2014-2016 weighted totals***. Before making this adjustment, we obtain individual weights by multiplying the household weights obtained in the previous step by the number of adults in the household.[2] We then match the marginal distributions of post-stratification factors via raking procedure. Although the joint distribution by cross tabulation is available, we use raking under an independence assumption to control the variability due to small post-stratification cell sizes. The information used for post-stratification includes gender, age, education, immigration status, tenure (own or rent home), race, the number of children in the household, the number of seniors in the household, the number of working aged adults in the household, a poverty gap measure for the household[3], and interactions between many of the demographics and the

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[2] For this calculation, the number of adults in the household is capped at 4 due to spareness at larger values.

[3] From the World Bank: Poverty gap is the mean shortfall from the poverty line (counting the non-poor as having zero shortfall), expressed as a percentage of the poverty line. This measure reflects the depth of poverty as well as its incidence.

poverty measure to account for dependencies between these factors. After the raking
procedure, we trim the resulting weights at the 97.5% percentile.

Because the weights adjust for the unequal selection, under-coverage and nonresponse, there is no
simple formula for estimating the variance. We use the bootstrapping method implemented in the R
survey package to obtain 50 sets of replicate weights for each set of sampling weights, from which we
can obtain variance estimates.

Agency weights

For the Agency sample, we adjust weights by the (self-reported) frequency of agency services usage. To
avoid over-representation, the more frequently an individual uses a service, the smaller the assigned
weight.

Combined weights

The SRBI and Agency samples are then combined.[4] Again we correct for differences due to over-
sampling from poor households by post-stratifying the household weights to the ACS household
information. This is essentially the same adjustment that is made in the SRBI weights (see Step 3 in the
SRBI weights section) but here we perform the adjustment on the combined SRBI and Agency samples.
We then multiply the household weights by the number of adults in the household to obtain the person
(individual) weights. Similarly, to Step 4 in the SRBI weights section, using these person weights we then
post-stratify to adjust for deviations of the two samples from the corresponding ACS-NYC 2014 weighted
totals. We also again adjust for frequency of social service use by including it as a post-stratification
variable.[5]

Subsequent wave weights

Subsequent waves in the Poverty Tracker study have longitudinal weights calculated. These weights use
the baseline weights as a basis but make two adjustments. The first adjustment corrects for
nonresponse between the baseline and the wave of interest. The second adjustment is a raking
adjustment back to the baseline population demographics.

The method for the first adjustment is inverse propensity scoring. This method uses a logistic regression
to predict nonresponse given baseline characteristics, including race, education, immigration status,
source – how many respondents were originally contacted, use of service frequency, the number of
working adults in the household, the number of seniors in the household, spouse or partner in the

household, material hardship, severe health disadvantage, OPM income to needs ratio, OPM poverty
status, receipt of government housing, and mental health status. From this model, the probability of

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[4] The weights for each sample are also separately normalized to each have a mean of 1.
[5] There will be unbalanced coverage of agency service visitors because frequent service users will be over-represented in the Agency sample.
For the purpose of representing the general population of NYC adults, it is necessary to down-weight individuals in the sample who frequently
use social service agencies. In order to post-stratify on frequency of service use, we need a measure of the distribution of social service use in
the population. Unfortunately, we do not have any gold standard for the distribution

responding was predicted for each respondent, which we then broken into 20 quantiles to reduce noise. For each quantile, the inverse of the probability of responding is calculated, which we then use to adjust the baseline weights for nonresponse. After that, we do the second adjustment, raking procedure. We then trimmed and created replicate weights with the same technique as described for the baseline.

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