

CODEBOOK
Robin Hood 2017-2018 24m Follow-up Survey
Updated May 18, 2023

[VAR: q8a1]

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...

<u>PUNCH</u>	<u>RESPONSE</u>
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 or
9	Have some other housing arrangement? (Please Specify [see VAR: qa1x])
97	No answer
98	Don't know
99	Refused to answer

[VAR: q8a3_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.

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

[VAR: q8a3_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)

<u>PUNCH</u>	<u>RESPONSE</u>
1-85	Age in years
977	No answer
988	Don't know
999	Refused to answer

[VAR: q8a4]

Is there anyone who lives with you?

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

[VAR: q8a4_rel1-9]

<u>PUNCH</u>	<u>RESPONSE</u>
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

How are they related to you?

[VAR: q8a4_gender1-9]

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

Is this person male or female?

[VAR: q8a4_age1-9_tc]

<u>PUNCH</u>	<u>RESPONSE</u>
1-85	Age in years
977	No answer
988	Don't know
999	Refused to answer

How old is this person? (Top-coded at 85)

[VAR: q8j1_1]

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	No answer
98	Don't Know

**Please answer which of the following, if any, have happened to you in the past 3 months...
...you moved?**

	99	Refused to answer
[VAR: q8j1_2]		Please answer which of the following, if any, have happened to you in the past 3 months... ...you had a child?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j1_3]		Please answer which of the following, if any, have happened to you in the past 3 months... ...someone moved into your household?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j1_4]		Please answer which of the following, if any, have happened to you in the past 3 months... ...someone moved out of your household?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j1_5]		Please answer which of the following, if any, have happened to you in the past 3 months... ...you started a romantic relationship?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j1_6]		Please answer which of the following, if any, have happened to you in the past 3 months... ...you ended a romantic relationship?
	<u>PUNCH</u>	<u>RESPONSE</u>

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

[VAR: q8j1_7]

**Please answer which of the following, if any, have happened to you in the past 3 months...
...there was a change in your childcare arrangement?**

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

[VAR: q8j1_8]

**Please answer which of the following, if any, have happened to you in the past 3 months...
...you had to take time off work to talk to your child's teacher or guidance counselor?**

<u>PUNCH</u>	<u>RESPONSE</u>
--------------	-----------------

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

[VAR: q8j2_1]

**Please answer 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?**

<u>PUNCH</u>	<u>RESPONSE</u>
--------------	-----------------

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

[VAR: q8j2_2]

**Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...
...someone lost a job?**

<u>PUNCH</u>	<u>RESPONSE</u>
--------------	-----------------

1	Yes
2	No

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

[VAR: q8j2_3]

Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...
...someone started to receive public benefits?

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

[VAR: q8j2_4]

Please answer 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?

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

[VAR: q8j2_5]

Please answer 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?

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

[VAR: q8j2_6]

Please answer 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?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	No answer
98	Don't Know

	99	Refused to answer
[VAR: q8j2_7]		<p>Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...</p> <p>...someone had a major decrease in income?</p>
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j2_8]		<p>Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...</p> <p>...someone had an accident, injury, or illness that interfered with work or life?</p>
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j2_9]		<p>Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...</p> <p>...someone was the victim of a crime?</p>
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8j2_11]		<p>Please answer which of the following, if any, have happened to you or anyone in your household in the past 3 months...</p> <p>...someone lost or broke expensive belongings?</p>
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer

[VAR: q8a8]

What is the total monthly rent for the place where you live?

PUNCH

RESPONSE

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

[VAR: q8a8x_tc]

What is the total monthly rent for the place where you live? (Top-coded at 90%)

PUNCH

RESPONSE

Open ended	Entered response
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[VAR: q8a9]

How much do you and all other relatives living with you pay in monthly rent?

PUNCH

RESPONSE

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

[VAR: q8a9x_tc]

How much do you and all other relatives living with you pay in monthly rent? (Top-coded at 90%)

PUNCH

RESPONSE

Open ended	Entered response
------------	------------------

[VAR: q8a9a]

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

[VAR: q8a10]

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: q8a10x_tc]

How much is the regular monthly mortgage payment on your apartment or house? (Top-coded at 90%)

<u>PUNCH</u>	<u>RESPONSE</u>
Open ended	Entered response

[VAR: q8a11]

How many bedrooms are in your apartment or house?

<u>PUNCH</u>	<u>RESPONSE</u>
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

[VAR: q8b1]

In general, how you would rate your neighborhood as a place to live?

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

[VAR: q8b2]

In general, how would you rate NYC as a place to live?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Excellent
2	Very good
3	Good
4	Only fair
5	Poor
97	No answer
98	Don't Know

	99	Refused to answer
[VAR: q8b5_1]		Do you use prekindergarten services?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8b5_1x]		How many hours does your child spend at prekindergarten each week?
	<u>PUNCH</u>	<u>RESPONSE</u>
	Open ended	Entered response
[VAR: q8b5_2]		Do you use Head Start?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
[VAR: q8b5_2x]		How many hours does your child spend at head Start each week?
	<u>PUNCH</u>	<u>RESPONSE</u>
	Open ended	Entered response
[VAR: q8b5_3]		Do you use preschool, nursery school, or a daycare center?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't Know
	99	Refused to answer
	99	Refused to answer
[VAR: q4b5_3x]		How many hours does your child spend at Preschool each week?
	<u>PUNCH</u>	<u>RESPONSE</u>
	Open ended	Entered response

[VAR: q8b5_4]

Do you use family daycare or 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
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[VAR: q8b5_5]

Do you get free care from a relative?

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
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[VAR: q8b5_6]

Do you use any other type of childcare?

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: q8b5_7]

You don't use any childcare?

PUNCH

RESPONSE

1	Yes
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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?

<u>PUNCH</u>	<u>RESPONSE</u>
Open ended	Entered response

[VAR: q8b6]

Do any of your children attend after school programs?

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

[VAR: q8c1]

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

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: q8c2]

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

<u>PUNCH</u>	<u>RESPONSE</u>
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

[VAR: q8c3]

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 q8c3.]

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: q8c4]

How many nights have you or another member of your household spent at a homeless facility, such as a shelter, church, mission, or any other temporary housing in the past 12 months?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Entered number of nights
97	No answer
98	Don't know
99	Refused

[VAR: q8c4x]

How many nights have you or another member of your household spent at a homeless facility, such as a shelter, church, mission, or any other temporary housing in the past 12 months?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Less than 10 days
2	10-30 days
3	30-100 days
4	100+

[VAR: q8d1]

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

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

[VAR: q8d2]

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?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: q8d5]

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

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

[VAR: q8d6]

On a scale from 0 to 10, where 10 means "the best possible life overall" and 0 means "the worse possible life overall," how would you rate your life in the past 12 months?

<u>PUNCH</u>	<u>RESPONSE</u>
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

[VAR: q8d1_sp]

Would you say your spouse/partner's health in general is excellent, very good, good, fair, or poor?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Excellent
2	Very good
3	Good
4	Fair
5	Poor
97	No answer
98	Don't know

99 Refused

[VAR: q8d2_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

[VAR: q8d7_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: q8d7_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: q8d7_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: q8d7_4]		About how often during the past 30 days did you feel hopeless?
	<u>PUNCH</u>	<u>RESPONSE</u>
	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: q8d7_5]		About how often during the past 30 days did you feel that everything was an effort?
	<u>PUNCH</u>	<u>RESPONSE</u>
	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: q8d7_6]		About how often during the past 30 days did you feel worthless?
	<u>PUNCH</u>	<u>RESPONSE</u>
	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: q8f1]		Which of these statements best describe the food eaten in your household?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Enough of the kinds of food we want to eat
	2	Enough, but not always the kinds of food we want
	3	Sometimes not enough
	4	Often not enough
	97	No answer
	98	Don't know
	99	Refused

[VAR: q8f2]

How often did you worry 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: q8f3]

How often did the food you bought run out before you had money to buy more?

PUNCH

RESPONSE

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

[VAR: q8f4]

Did you not pay the full amount of rent or mortgage because there wasn't enough money?

PUNCH

RESPONSE

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

[VAR: q8f5]

Did you move in with other people, even for a little while, because of financial problems?

PUNCH

RESPONSE

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

[VAR: q8f6]

Did you stay at a shelter, in an abandoned building, an automobile, or any other place not meant for regular housing, even for one night?

PUNCH

RESPONSE

1	Yes
2	No

97 No answer
98 Don't know
99 Refused

[VAR: q8f7]

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 Don't have phone/utility bill
97 No answer
98 Don't know
99 Refused

[VAR: q8f8]

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 Don't have phone/utility bill
4 Cable was cut off
97 No answer
98 Don't know
99 Refused

[VAR: q8f9]

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?

PUNCH

RESPONSE

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

[VAR: q8f10]

In the past 12 months...

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

[VAR: q8g1]

PUNCH

1

2

3

4

5

6

7

8

9

97

98

99

What is your current employment status?

RESPONSE

Working full-time

Working part-time

On leave from a job or temporarily laid off

Looking for work

Unable to work

Keeping house

Going to school

Retired

Other

No answer

Don't know

Refused

[VAR: q8g4]

PUNCH

1

2

3

4

5

6

7

8

9

97

98

99

What is your spouse/partner's current employment status?

RESPONSE

Working full-time

Working part-time

On leave from a job or temporarily laid off

Looking for work

Unable to work

Keeping house

Going to school

Retired

Other

No answer

Don't know

Refused

[VAR: q8h5_6]

PUNCH

1

2

97

98

99

In the past 12 months did you or your spouse receive...

...WIC?

RESPONSE

Yes

No

Didn't answer

Don't know

Refused

[VAR: q8h5_7]

**In the past 12 months did you or your spouse receive...
...Public housing or government rental assistance such as Section 8?**

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	Didn't answer
98	Don't know
99	Refused

[VAR: q8h5_8]

**In the past 12 months did you or your spouse receive...
...Medicare, S-CHIP, Child or Family Health Plus, or another government program that pays for medical care?**

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No
97	Didn't answer
98	Don't know
99	Refused

[VAR: q8sppart]

Do you have a spouse or partner?

<u>PUNCH</u>	<u>RESPONSE</u>
1	Yes
2	No

[VAR: q8childx_tc]

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

<u>PUNCH</u>	<u>RESPONSE</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

[VAR: q8adultx_tc]

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

<u>PUNCH</u>	<u>RESPONSE</u>
0	0
1	1
2	2
3	3
4	4
5	5

6	6
7	7

[VAR: q8personx_tc]

<u>PUNCH</u>	<u>RESPONSE</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

Number of people in family? - Capped at 9

[VAR: imp_q8moswork]

<u>PUNCH</u>	<u>RESPONSE</u>
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

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

[VAR: imp_q8smoswork]

<u>PUNCH</u>	<u>RESPONSE</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11

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

	12	12
[VAR: q8newyork]		Do you still live in NYC?
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
	97	No answer
	98	Don't know
	99	Refused
[VAR: imp_q8disyes]		Disability income. Imputed version of H5_2.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8othyes]		Other income/benefits not mentioned. Imputed version of H5_10.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8regyes]		Regular financial assistance from someone outside the household. Imputed version of H5_9.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8retyes]		Retirement income. Imputed version of H5_1.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8snapyes]		SNAP or food stamps. Imputed version of H5_5.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8uiyes]		Unemployment income. Imputed version of H5_4.
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8welfyes]		Public or cash assistance or welfare payments.

	<u>PUNCH</u>	Imputed version of H5_3. <u>RESPONSE</u>
	1	Yes
	2	No
[VAR: imp_q8earnhd_tc] [See Appendix A]	<u>PUNCH</u>	Imputed head of household earning (Top-coded at 90%).- Imputed version of H1. <u>RESPONSE</u> Entered response
[VAR: imp_q8earnsp_tc] [See Appendix A]	<u>PUNCH</u>	Imputed spouse earnings (Top-coded at 90%).. - Imputed version of H3. <u>RESPONSE</u> Entered response
[VAR: imp_q8incothhh_tc] [See Appendix A]	<u>PUNCH</u>	Imputed income from other household members (Top-coded at 90%). - Imputed version of H7. <u>RESPONSE</u> Entered response
[VAR: imp_q8incdis_tc] [See Appendix A]	<u>PUNCH</u>	Imputed income from disability (Top-coded at 90%). – Imputed version of H6_2. <u>RESPONSE</u> Entered response
[VAR: imp_q8incoth_tc] [See Appendix A]	<u>PUNCH</u>	Imputed income from other source not listed (Top-coded at 90%). – Imputed version of H6_10. <u>RESPONSE</u> Entered response
[VAR: imp_q8increg_tc] [See Appendix A]	<u>PUNCH</u>	Imputed regular financial assistance from someone outside the household (Top-coded at 90%). – Imputed version of H6_9. <u>RESPONSE</u> Entered response
[VAR: imp_q8incret_tc] [See Appendix A]	<u>PUNCH</u>	Imputed retirement income, including Social Security or survivor’s benefits (Top-coded at 90%). – Imputed version of H6_1. <u>RESPONSE</u> Entered response
[VAR: imp_q8incsnap_tc] [See Appendix A]		Imputed income from food stamps or SNAP benefits (Top-coded at 90%). - Imputed version of H6_2.

	<u>PUNCH</u>	<u>RESPONSE</u> Entered response
[VAR: imp_q8incui_tc] [See Appendix A]		Imputed income from unemployment benefits (Top-coded at 90%). - Imputed version of H6_4.
	<u>PUNCH</u>	<u>RESPONSE</u> Entered response
[VAR: imp_q8incwelf_tc] [See Appendix A]		Imputed income from welfare benefits (Top-coded at 90%). - Imputed version of H6_3.
	<u>PUNCH</u>	<u>RESPONSE</u> Entered response
[VAR: q8frsl]		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).
	<u>PUNCH</u>	<u>RESPONSE</u>
[VAR: q8fica_tc]		FICA Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/ (Top-coded at 90%)
	<u>PUNCH</u>	<u>RESPONSE</u>
[VAR: q8siitax_tc]		State Income Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/ (Top-coded at 90%)
	<u>PUNCH</u>	<u>RESPONSE</u>
[VAR: q8fiitax_tc]		Federal Income Tax Calculated using NBER TAXSIM – http://users.nber.org/~taxsim/ (Top-coded at 90%)
	<u>PUNCH</u>	<u>RESPONSE</u>
[VAR: q8subsidyvalue_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.
[VAR: q8wicval]		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_q8chwoop_tc]

PUNCH

Imputed child care expenses and work expenses (Top-coded at 90%)- imputed from q8h10 and q8h19.

RESPONSE

Entered response

[VAR: imp_q8moop_tc]

PUNCH

Imputed medical out of pocket expenses (Top-coded at 90%)- imputed from q8h18.

RESPONSE

Entered response

[VAR: imp_q8hous1]

Punch

1

2

97

98

99

In the past 12 months, did you not pay the full amount of rent or mortgage because there wasn't enough money? – Imputed q8f4

Response

Yes

No

No answer

Don't know

Refused

[VAR: imp_q8hous2]

Punch

1

2

97

98

99

[In the past 12 months,] did you move in with other people even for a little while because of financial problems? – Imputed q8f5

Response

Yes

No

No answer

Don't know

Refused

[VAR: imp_q8hous3]

Punch

1

2

97

98

99

[In the past 12 months did you stay at a shelter, in an abandoned building, an automobile, or any other place not meant for regular housing, even for one night? – Imputed q8f6

Response

Yes

No

No answer

Don't know

Refused

[VAR: imp_q8bill1]

Punch

1

2

[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

Response

Yes

No

[VAR: imp_q8bill2]

97 No answer
 98 Don't know
 99 Refused

[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 q8f8

<u>Punch</u>	<u>Response</u>
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: imp_q8medic1]

[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 q8f9

<u>Punch</u>	<u>Response</u>
1	Yes
2	No
97	No answer
98	Don't know
99	Refused

[VAR: imp_q8financ1]

[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 q8f10

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

[VAR: imp_q8food1]

Which of these statements best describes the food eaten in your household? – Imputed q8f1

<u>Punch</u>	<u>Response</u>
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_q8food2]		"[I / We] worried whether [my / our] food Would run out before [I / we] got money to buy more." Would you say... - Imputed q8f2
	<u>Punch</u>	<u>Response</u>
	1	Often
	2	Sometimes
	3	Never
	97	No answer
	98	Don't know
	99	Refused
[VAR: imp_q8food3]		"The food [I / we] bought just didn't last and [I/we] didn't have money to get more" Would you say... - Imputed q8f3
	<u>Punch</u>	<u>Response</u>
	1	Often
	2	Sometimes
	3	Never
	97	No answer
	98	Don't know
	99	Refused
[VAR: imp_q8foodindmod]		Moderate food hardship – (imp_q8food1=3 or imp_q8food2=2 or imp_q8food3=2) and (imp_q8food1 ≠ 4 & imp_q8food2 ≠ 1 and imp_q8food3 ≠ 1)
	<u>Punch</u>	<u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8foodindsev]		Severe food hardship – (imp_q8food1=4 or imp_q8food2=1 or imp_q8food3=1)
	<u>Punch</u>	<u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8houseindmod]		Moderate housing hardship – (imp_q8hous1 =1) and (imp_q8hous2≠1 and imp_q8hous3≠1)
	<u>Punch</u>	<u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8houseindsev]		Severe housing hardship – (imp_q8hous2=1 or imp_q8hous3=1 or q8a1=7 or q8a1=8)
	<u>Punch</u>	<u>Response</u>
	1	Yes

	2	No
[VAR: imp_q8billindmod]	<u>Punch</u>	Moderate billing hardship – (imp_q8bill1=1 and imp_q8bill2≠1) <u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8billindsev]	<u>Punch</u>	Severe billing hardship – (imp_q8bill2=1) <u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8financindmod]	<u>Punch</u>	Moderate financial hardship – (imp_q8financ1=2) <u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8financindsev]	<u>Punch</u>	Severe financial hardship – (imp_q8financ1=1) <u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8medichard]	<u>Punch</u>	Medical hardship (imp_q8medic1=1) <u>Response</u>
	1	Yes
	2	No
[VAR: imp_q8health]	<u>Punch</u>	Self-reported health – Imputed q8d1 <u>Response</u>
	1	Excellent
	2	Very Good
	3	Good
	4	Fair
	5	Poor
[VAR: imp_q8healthlim]	<u>Punch</u>	Work limiting health condition – Imputed q8d2 <u>Response</u>
	1	Yes
	2	No
[VAR: q8sevhard]	<u>Punch</u>	Severe material hardship – (imp_q8billindsev=1 or imp_q8financindsev=1 or imp_q8foodindsev=1 or imp_q8houseindsev=1 or imp_q8medichard=1) <u>Response</u>
	1	Yes

	2	No
[VAR: q8sevhealthd]		Severe health problem – (imp_q8health=5 or imp_q8healthlim=1)
	<u>Punch</u>	<u>Response</u>
	1	Yes
	2	No
[VAR: q8smpov]		Is respondent below supplemental poverty line? – Using top-coded income values
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: q8opmpov]		Is respondent below official poverty line? – Using top-coded income values
	<u>PUNCH</u>	<u>RESPONSE</u>
	1	Yes
	2	No
[VAR: q8spm_incneeds]		SPM income to needs ratio. – Using top-coded income values
	<u>PUNCH</u>	<u>RESPONSE</u>
		Calculated by dividing spmres by spmthresh.

[VAR: q8opm_incneeds]	<u>PUNCH</u>	OPM income to needs ratio. – Using top-coded income values <u>RESPONSE</u> Calculated by dividing opmres by opmthresh.
[VAR: q8opmres]	<u>PUNCH</u>	OPM resources– Using top-coded income values <u>RESPONSE</u> Calculated by taking summation of imp_pearnd_tc, imp_pearmsp_tc, imp_pinctret_tc, imp_pincdis_tc, imp_pincwelf_tc, imp_pincui_tc, imp_pincreg_tc, imp_pincoth_tc, imp_pincothhh_tc
[VAR: q8spmres]	<u>PUNCH</u>	SPM resources– Using top-coded income values <u>RESPONSE</u> Calculated by taking summation of imp_pearnhd_tc, imp_pearmsp_tc, imp_pinctret_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: q8opmthresh]	<u>PUNCH</u>	OPM threshold <u>RESPONSE</u> Calculated using U.S. Census Bureau guidelines.
[VAR: q8spmthresh]	<u>PUNCH</u>	SPM threshold <u>RESPONSE</u> Calculated using U.S. Census Bureau guidelines.
[VAR: q8surveyyear]		Survey Year
[VAR: q8surveymonth]		Survey Month
[VAR: q8weight_p] [See Appendix B]		Longitudinal person level weight
[VAR: q8weight_pu]		Longitudinal family level weight
[VAR: q8late]	<u>PUNCH</u> 1 2	Flag indicating whether subject took the 24m survey late. <u>RESPONSE</u> Yes 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:

- **imp_q8earnhd_tc** (top-coded head of household earnings)
- **imp_q8earnsp_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:

- **imp_q8incdis_tc** (top-coded income from paid disability)
- **imp_q8incsnap_tc** (top-coded income from SNAP food assistance program)
- **imp_q8incwelf_tc** (top-coded income from welfare payments)
- **imp_q8incui_tc** (top-coded income from unemployment payments)
- **imp_q8incret_tc** (top-coded income from retirement funds)
- **imp_q8increg_tc** (top-coded income from regular financial assistance from someone outside the household)
- **imp_q8incoth_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:

- **imp_q8incothhh_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.

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 $\frac{1}{2}$ 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 $fiw_C = \frac{ESS_C}{ESS_C + ESS_L}$, 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 $fiw_L = \frac{ESS_L}{ESS_C + ESS_L}$. 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 household³, and interactions between many of the demographics and the

² For this calculation, the number of adults in the household is capped at 4 due to sparseness 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

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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