CODEBOOK
Robin Hood 2016-2017 15m-Follow up Survey
Updated May 18, 2023

[VAR: **q5a1**]

Do you currently live with a spouse or domestic partner (a live-in romantic partner)?

PUNCH	RESPONSE
1	Spouse
2	Domestic partner
3	Neither
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5a2**]

Do you have at least one biological or adopted child under the age of 18 who lives with you?

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

NOTE: J and F Module questions only asked of individuals who did not complete this survey late (q5late)

[VAR: **q5j1_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 response
98	Don't know
99	Refused to answer

[VAR: **q5j1_2**]

Which of the following, if any, have happened to YOU in the past 3 months…
…you had a child?

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

[VAR: **q5j1_3**]

Which of the following, if any, have happened to YOU in the past 3 months…

Someone moved in HH?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer
98	Refused to answer
99	Refused

[VAR: **q5j1_4**]

Which of the following, if any, have happened to YOU in the past 3 months…
…someone moved out of HH?

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

[VAR: **q5j1_5**]

Which of the following, if any, have happened to YOU in the past 3 months…
…started a relationship?

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

[VAR: **q5j1_6**]

Which of the following, if any, have happened to YOU in the past 3 months…
…ended relationship?

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

[VAR: **q5j1_7**]

Which of the following, if any, have happened to YOU in the past 3 months…
…change in childcare?

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

[VAR: **q5j1_8**]

Which of the following, if any, have happened to YOU in the past 3 months...
...took time off work?

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

[VAR: **q5j2_1**]

Which of the following, if any, have happened to you or anyone in the HH 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: **q5j2_2**]

Which of the following, if any, have happened to you or anyone in the HH 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: **q5j2_3**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months...
...someone started receiving benefits?

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

[VAR: **q5j2_4**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months...
...someone's benefits were cut off?

PUNCH	RESPONSE
1	Yes
2	No
97	No answer

98	Don't know
99	Refused to answer

[VAR: **q5j2_5**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months…
…someone had a major expense?

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

[VAR: **q5j2_6**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months…
…someone had an increase in income?

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

[VAR: **q5j2_7**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months…
…someone had a decrease in income?

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

[VAR: **q5j2_8**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months…
…someone had an accident, injury, or illness?

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

[VAR: **q5j2_9**]

Which of the following, if any, have happened to you or anyone in the HH 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

[VAR: **q5j2_11**]

Which of the following, if any, have happened to you or anyone in the HH in the past 3 months…
…someone lost or broke belongings?

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

[VAR: **q5f2**]

Select whether this was often true, sometimes true, or never true for you in the past 3 months?
I worried whether my food would run out before I 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: **q5f6**]

In the past 3 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?

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

[VAR: **q5f8**]

In the past 3 months was your phone, gas, or electricity ever cut off because you didn't pay a bill?

PUNCH	RESPONSE
1	Yes
2	No
2	Cable or internet was cut off
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5f9**]

In the past three months was, there a time when you or anyone else in your household needed to see a doctor 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 to answer

[VAR: **q5f10**]

In the past 3 months, how often did you run out of money between paychecks or before the end of the month? Would you say it happened…

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

[VAR: **q5c1**]

Food and beverages that you consume at home, including food purchased from any stores, delis, or markets? Please include food that you have delivered to your home, but do not include alcoholic beverages.

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c1x_tc**]

Food and beverages that you consume at home, including food purchased from any stores, delis, or markets? Please include food that you have delivered to your home, but do not include alcoholic beverages. (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c1a**]

Your best estimate is fine. Thinking about the food and beverages you consume at home, in an average WEEK would you spend...

7

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c2**]

Food that you eat away from home, including eating out in restaurants or buying snacks and drinks? Please include alcoholic beverages consumed at restaurants or away from home.

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c2x_tc**]

Food that you eat away from home, including eating out in restaurants or buying snacks and drinks? Please include alcoholic beverages consumed at restaurants or away from home. (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c2a**]

Your best estimate is fine. Thinking about food you eat away from home, in an average WEEK would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer

98	Don't know
99	Refused

[VAR: **q5c3**]

Other alcoholic beverages, such as beer, wine or liquor that you drink at home or elsewhere?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c3x_tc**]

Other alcoholic beverages, such as beer, wine or liquor that you drink at home or elsewhere? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c3a**]

Your best estimate is fine. Thinking about all alcoholic beverages, in an average WEEK would you spend...

PUNCH	RESPONSE
1	<$25
2	$25-$50
3	$50-$100
4	$100-$150
5	$150-$200
6	>$200
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c4**]

Clothing and shoes, including watches and jewelry?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c4x_tc**]

Clothing and shoes, including watches and jewelry? (top-coded at 90%)

PUNCH	RESPONSE

9

| | Open ended | Entered response |

[VAR: **q5c4a**]

Your best estimate is fine. Thinking about clothing, shoes, and accessories, in an average YEAR would you spend...

PUNCH	RESPONSE
1	<$100
2	$100-$300
3	$300-$500
4	$500-$1000
5	$1000-$2000
6	$2000-$4000
7	$4000-$10000
8	>$10000
9	Didn't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c5**]

Clothing services such as laundry, dry cleaning, or shoe repair?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c5x_tc**]

Clothing services such as laundry, dry cleaning, or shoe repair? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c5a**]

Your best estimate is fine. Thinking about laundry and clothing repair services, in an average MONTH would you spend...

PUNCH	RESPONSE
1	<$25
2	$25-$50
3	$50-$100
4	$100-$300
5	$300-$500
6	>$500
7	Don't have this expense
97	No answer
98	Don't know

	99	Refused to answer

[VAR: **q5c6**]

Personal care products and services, such as toothpaste, shampoo, hand soap, haircuts and styling, manicures, shaving supplies, or cosmetics?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c6x_tc**]

Personal care products and services? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c6a**]

Your best estimate is fine. Thinking about personal care items and services, in an average MONTH would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c7**]

Electricity and/or gas bills?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c7x_tc**]

Electricity and/or gas bills? (top-coded at 90%)

PUNCH	RESPONSE

	Open ended	Entered response

[VAR: q5c7a]

Your best estimate is fine. Thinking about electricity and gas bills, in an average MONTH would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$300
4	$300-$500
5	$500-$1000
6	>$1000
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: q5c8]

Phone bills, including cell phones?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: q5c8x_tc]

Phone bills, including cell phones? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: q5c8a]

Your best estimate is fine. Thinking about all phone bills, including cell phones, in an average MONTH would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$300
4	$300-$500
5	$500-$1000
6	>$1000
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c9**]

Cable and/or internet bills?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c9x_tc**]

Cable and/or internet bills? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c9a**]

Your best estimate is fine. Thinking about all cable or internet bills, in an average MONTH would you spend...?

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$300
4	$300-$500
5	$500-$1000
6	>$1000
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c10**]

Any other utility bills, such as water or trash collection?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refuse

[VAR: **q5c10x_tc**]

Any other utility bills, such as water or trash collection? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c10a**]

Your best estimate is fine. Thinking about all other utility bills, in an average MONTH would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c11**]

Household furnishings and equipment, including furniture, bed linens, appliances, dishes, or other housewares?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c11x_tc**]

Household furnishings and equipment, including furniture, bed linens, appliances, dishes, or other housewares? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c11a**]

Your best estimate is fine. Thinking about all household furnishings, equipment and housewares, in an average YEAR would you spend…

PUNCH	RESPONSE
1	<$100
2	$100-$300
3	$300-$500
4	$500-$1000
5	$1000-$2000
6	$2000-$4000
7	$4000-$10000
8	>$10000
9	Don't have this expense
97	No answer
98	Don't know

	99	Refused to answer

[VAR: **q5c12**]

TVs, computers, phones, or devices to play games, watch shows, or connect to the internet? Please do not include regular bills for services related to these devices.

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c12x_tc**]

TVs, computers, phones, or devices to play games, watch shows, or connect to the internet? Please do not include regular bills for services related to these devices. (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c12a**]

Your best estimate is fine. Thinking about all electronic devices such as TVs, computers and phones, in an average YEAR would you spend…

PUNCH	RESPONSE
1	<$100
2	$100-$300
3	$300-$500
4	$500-$1000
5	$1000-$2000
6	$2000-$4000
7	$4000-$10000
8	>$10000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c13**]

Housekeeping supplies and services, such as cleaning detergents, paper towels, sponges, or a cleaning service?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer

15

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

[VAR: **q5c13x_tc**]

Housekeeping supplies and services, such as cleaning detergents, paper towels, sponges, or a cleaning service? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c13a**]

Your best estimate is fine. Thinking about all housekeeping supplies and services, in an average MONTH would you spend…

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c14**]

Expenses related to pets?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c14x_tc**]

Expenses related to pets? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c14a**]

Your best estimate is fine. Thinking about all expenses related to pets, in an average MONTH would you spend…

PUNCH	RESPONSE
1	Under $100 per year
2	$100-$300
3	$300-$500

4	$500-$1000
5	$1000-$2000
6	$2000-$4000
7	$4000-$10000
8	Over $10000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c15**]

Moving or storage for any of your belongings?

PUNCH	Response
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c15x_tc**]

Moving or storage for any of your belongings? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c15a**]

Your best estimate is fine. Thinking about regular moving and storage costs for your belongings, in an average MONTH would you spend…

PUNCH	RESPONSE
1	< $50
2	$50 - $100
3	$100 - $300
4	$300 - $500
5	$500 - $1000
6	$1000 - $2000
7	$2000 - $4000
8	>$4000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c16**]

Baby items such as diapers and formula?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense

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

[VAR: **q5c16x_tc**]

Baby items such as diapers and formula? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c16a**]

Your best estimate is fine. Thinking about all baby care items, in an average WEEK would you spend...

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$150
4	$150-$200
5	$200-$300
6	$300-$400
7	$400-$500
8	>$500
9	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c17**]

Expenses for child care or school for children under age 18 (for example, tuition, books, computers, tutoring, babysitting, daycare, preschool, afterschool, or summer camp)?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c17x_tc**]

Expenses for child care or school for children under age 18 (for example, tuition, books, computers, tutoring, babysitting, daycare, preschool, afterschool, or summer camp)? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c17a**]

Your best estimate is fine. Thinking about child care expenses for all children under 18, in an average YEAR would you spend…

18

PUNCH	RESPONSE
1	< $100
2	$100 - $300
3	$300 - $500
4	$500 - $1000
5	$1000 - $2000
6	$2000 - $4000
7	$4000 - $10000
8	$10000 - $20000
9	$20000 - $30000
10	> $30000
11	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c18**]

College or professional or job training (for example, tuition, books, computers, or room and board for a family member away at school)?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c18x_tc**]

College or professional or job training (for example, tuition, books, computers, or room and board for a family member away at school)? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c18a**]

Your best estimate is fine. Thinking about college and professional or job training expenses, in an average YEAR would you spend…

PUNCH	RESPONSE
1	Less than $500
2	$500-$1000
3	$1000-$2000
4	$2000-$4000
5	$4000-$10000
6	$10000-$20000
7	$20000-$30000
8	$30000-$50000
9	>$50000
10	Don't have this expense

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

[VAR: **q5c19**]   **Child support or alimony payments?**

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c19x_tc**]   **Child support or alimony payments? (top-coded at 90%)**

PUNCH	RESPONSE
Open ended	Entered dollar amount

[VAR: **q5c19a**]   **Your best estimate is fine. Thinking about child support or alimony payments, in an average MONTH would you spend…**

PUNCH	RESPONSE
1	< $50
2	$50 - $100
3	$100 - $300
4	$300 - $500
5	$500 - $1000
6	$1000 - $2000
7	$2000 - $4000
8	> $4000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c20**]   **Recreation, entertainment, or fitness (for example, movie tickets, toys, books and magazines, gym memberships, sports equipment, Netflix, etc.)? Do not include vacations or trips.**

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c20x_tc**] **Recreation, entertainment, or fitness (for example, movie tickets, toys, books and magazines, gym memberships, sports equipment, Netflix, etc.)? Do not include vacations or trips. (top-coded at 90%)**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c20a**] **Your best estimate is fine. Thinking about all recreation, entertainment and fitness expenses, in an average MONTH you would spend…**

PUNCH	RESPONSE
1	< $100
2	$100 - $300
3	$300 - $500
4	$500 - $1000
5	$1000 - $2000
6	$2000 - $4000
7	$4000 - $10000
8	> $10000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c21**] **Trips and vacations, including transportation, accommodations, and recreational expenses on trips?**

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c21x_tc**] **Trips and vacations, including transportation, accommodations, and recreational expenses on trips? (top-coded at 90%)**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c21a**] **Your best estimate is fine. Thinking about trips and vacations, in an average YEAR you would spend…**

PUNCH	RESPONSE
1	<$100
2	$100-$300
3	$300-$500

4	$500-$1000
5	$1000-$2000
6	$2000-$4000
7	$4000-$10000
8	>$10000
9	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c22**]

Cigarettes, tobacco, and smoking supplies, including e-cigarettes?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c22x_tc**]

Cigarettes, tobacco, and smoking supplies, including e-cigarettes? (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c22a**]

Your best estimate is fine. Thinking about all smoking supplies, in an average WEEK you would spend…

PUNCH	RESPONSE
1	<$25
2	$25-$50
3	$50-$100
4	$100-$150
5	$150-$200
6	>$200
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c23**]

Public transportation (for example buses, subway, etc.)?

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense

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

[VAR: **q5c23x_tc**] | | **Public transportation (for example buses, subway, etc.)? (top-coded at 90%)**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c23a**] | | **Your best estimate is fine. Thinking about public transportation, in an average MONTH you would spend…**

PUNCH	RESPONSE
1	<$25
2	$25-$50
3	$50-$100
4	$100-$300
5	$300-$500
6	$500-$1000
7	>$1000
8	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c24**] | | **Taxis or car services?**

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c24x_tc**] | | **Taxis or car services? (top-coded at 90%)**

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c24a**] | | **Your best estimate is fine. Thinking about taxis and car services, in an average WEEK you would spend…**

PUNCH	RESPONSE
1	<$25
2	$25-$50
3	$50-$100
4	$100-$300
5	$300-$500
6	>$500

7	Don't have this expense
97	No answer
98	Don't know
99	Refused

[VAR: **q5c25**]

Car expenses such as gasoline and parking? Please do not include car payments, repairs, or maintenance.

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c25x_tc**]

Car expenses such as gasoline and parking? Please do not include car payments, repairs, or maintenance. (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c25a**]

If you received disability income, how much did you receive in the past 12 months?

PUNCH	RESPONSE
1	<$50
2	$50-$100
3	$100-$300
4	$300-$500
5	$500-$1000
6	>$1000
7	Don't have this expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c26_1**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 1

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know

99	Refused to answer

[VAR: **q5c26_1x_tc**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 1 (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c26_2**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 2

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c26_2x_tc**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 2 (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c26_3**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 3

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c26_3x_tc**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 3 (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c26_4**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 4

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c26_4x_tc**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 4 (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5c26_5**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 5

PUNCH	RESPONSE
1	Weekly
2	Monthly
3	Yearly
4	Don't have expense
97	No answer
98	Don't know
99	Refused to answer

[VAR: **q5c26_5x_tc**]

Any other expenses that you pay on a regular basis that you haven't already mentioned? For instance, gifts, pet care, lottery tickets, or anything else not already covered. – Expense 5 (top-coded at 90%)

PUNCH	RESPONSE
Open ended	Entered response

[VAR: **q5surveyyear**]

Survey Year

[VAR: **q5surveymonth**]

Survey Month

[VAR: **q5newyork**]

Respondent still lives in NYC?

PUNCH	RESPONSE

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

[VAR: **q5weight_p**]   **Person level weight**
[See Appendix B]

[VAR: **q5weight_pu**]   **Family level weight**
[See Appendix B]

[VAR: **q5late**]   **Flag indicating whether subject took the 15m survey late.**

PUNCH	RESPONSE
1	Yes
2	No

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 $\text{fiw}_C = \frac{ESS_C}{ESS_C + ESS_L}$, 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 $\text{fiw}_L = \frac{ESS_L}{ESS_C + ESS_L}$. 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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