TECHNICAL APPENDICES

Alexandria Recurring Income for Success and Equity: Year One Insights

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Appendix A: Quantitative Methods Specification

This study follows the pre-analysis plan published by Abt Global, which can be accessed here. Below, we present a condensed version of the quantitative portion of the analysis plan.

The study team collected survey data from individuals who were randomized to receive guaranteed income and the control group. ARISE had a 10-day window for people to apply to receive guaranteed income. Of the over 4,000 applications received, Abt Global randomly selected 170 people to receive a guaranteed income and 210 applicants to be part of the surveyed control group. After the initial randomization, ARISE conducted an eligibility screening and consent process for people selected to receive guaranteed income. Because some applicants were found to be ineligible or refused the GI benefit, 184 total applicants were randomized to receive guaranteed income, but only 170 applicants received the benefit. Applicants selected to receive GI or selected to be part of the control group were then surveyed at 6- and 12-months following the initial GI disbursement. The six-month survey was a tracking survey which asked participants to update basic contact information.

To conduct an intent-to-treat (ITT) analysis, we included every person who was randomized to receive GI or randomized to be part of the surveyed control group. All research activities were voluntary, and we only surveyed people who were not onboarded to receive GI at baseline. We present item-level response rates in Appendix Tables B.1 through B.7. To address missing outcome and explanatory data, we used multivariate imputation by chained equations (MICE). In our multiple imputation models, we include the following characteristics at baseline: age, gender, household size, race and ethnicity, household income, whether a participant received public benefits, employment status, Adult Hope Score, whether a participant experienced food insecurity, education level, whether a participant was living in a rental unit, and whether a participant had more than $500 in savings. In addition to these characteristics, we include all future and past measures of the outcome of interest, indicators for treatment and successful onboarding, and an indicator for whether a participant was unhoused. For each outcome, we add 25 imputations to estimate the treatment effect.

We estimate the effect of the GI payment using the following regression model:

$$[1]\ y_{i,t \neq 0} = \beta_0 + \beta_1(Treatment_i) + B_2(y_{i,t=0}) + \boldsymbol{X_i}'\boldsymbol{\gamma} + \epsilon_{i,t \neq 0}$$

Where *i* indexes a participant during survey follow-up *t*. For each outcome, we include a control for the outcome measured at baseline, $y_{i,t=0}$, and a vector of control variables, **X**, which includes all the variables included in the imputation model. We estimate models separately for each follow-up wave and use heteroscedastic-robust standard errors. To test the sensitivity of our models, we present two additional sets of impact estimates: i) impact estimates generated from a complete case analysis using all the control variables included in equation [1]; ii) impact estimates generated from a complete case analysis only including the outcome measured at baseline as a control.

Appendix B: Baseline Characteristics of the Analytic Sample

The tables in Appendix B present data that can be used to assess item non-response and baseline equivalence for each outcome and survey wave combination. Each table has 8 columns. The first column describes the baseline characteristic (i.e., a characteristic measured at the time of application) of interest. For each characteristic, the table has 2 rows identifying the sample on which baseline balance is being assessed: The first row ("time of application") presents data measured at the time of application for the full randomized sample. The second row shows data **measured at the time of application** (i.e., data from the same baseline survey as in the first row), but *only for study members who responded to the 12-month follow-up*. So, for example, the row labeled "12-month follow-up" for *Annual Household Income* shows annual household income, measured at the time of application, for ARISE participants and control group members who responded to the 12-month follow-up survey. The purpose of showing this data is to establish whether ARISE participants and control group members in the final analytic sample, after attrition, look similar to each other. If they do, bias in the impact estimate caused by survey non-response is unlikely even without imputing missing data.

The next group of three columns (columns 2-4) shows data for ARISE participants, and the three columns to the right of those (columns 5-7) show data for the control group. For each study group, these rows show the mean and standard deviation of the characteristic of interest along with the number of survey respondents at that follow up. The table's final column (column 8) shows the difference between the two study groups.

Table B1. Demographic Characteristics for ARISE and the Control Group at the Time of Application

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Age	43.1	13.9	184	42.0	12.3	210	1.1
Household Income	$25,109	$18,486	178	$23,844	$18,670	206	$1,265
Household Size	2.8	1.8	184	3.1	1.7	210	-0.3
White	11%	NA	184	11%	NA	210	0%
Black	45%	NA	184	47%	NA	210	-2%
Two or More Races	3%	NA	184	3%	NA	210	0%
Hispanic	33%	NA	183	28%	NA	210	5%
Public Benefits	59%	NA	157	64%	NA	185	6%
Food Insecurity in the Last Month	71%	NA	184	69%	NA	207	2%
Paid or Unpaid Labor	76%	NA	184	65%	NA	209	10%
Full Time Employment	32%	NA	184	33%	NA	209	-1%
Part Time Employment	20%	NA	184	16%	NA	209	4%
Full Time Caregiver/Parent	5%	NA	184	5%	NA	209	0%
Self Employed/Business Owner	14%	NA	184	8%	NA	209	5%
Gig Worker	5%	NA	184	3%	NA	209	2%
Retired or Disabled	9%	NA	184	12%	NA	209	-2%
Full Time Student	2%	NA	184	2%	NA	209	0%
Unemployed	13%	NA	184	21%	NA	209	-8%

Table B2. Baseline Balance for Financial Well-Being Outcomes

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Annual Household Income							
Time of Application	$25,109	$18,486	178	$23,844	$18,670	206	$1,265
12-Month Follow-Up	$25,714	$18,204	106	$22,833	$17,815	96	$2,881
Public Benefits Use							
Time of Application	59%	NA	157	64%	NA	185	-6%
12-Month Follow-Up	49%	NA	91	63%	NA	83	-13%
Full Time Employment							
Time of Application	32%	NA	184	33%	NA	209	-1%
12-Month Follow-Up	35%	NA	108	35%	NA	96	0%
Part Time Employment							
Time of Application	20%	NA	184	16%	NA	209	4%
12-Month Follow-Up	19%	NA	108	15%	NA	96	4%
Full Time Caregiver/Parent							
Time of Application	5%	NA	184	5%	NA	209	0%
12-Month Follow-Up	4%	NA	108	5%	NA	96	-2%
Self Employed/Business Owner							
Time of Application	14%	NA	184	8%	NA	209	5%
12-Month Follow-Up	17%	NA	108	4%	NA	96	12%
Gig Worker							
Time of Application	5%	NA	184	3%	NA	209	2%
12-Month Follow-Up	5%	NA	108	2%	NA	96	3%
Retired/Disabled							
Time of Application	9%	NA	184	11%	NA	209	-2%
12-Month Follow-Up	11%	NA	108	15%	NA	96	-3%
Student							
Time of Application	2%	NA	184	2%	NA	209	0%
12-Month Follow-Up	3%	NA	108	2%	NA	96	1%
Unemployed							
Time of Application	13%	NA	184	21%	NA	209	-8%
12-Month Follow-Up	7%	NA	108	22%	NA	96	-14%
Paid or Unpaid Work							
Time of Application	76%	NA	184	65%	NA	209	10%
12-Month Follow-Up	79%	NA	108	61%	NA	96	17%
Number of Jobs							
Time of Application	0.86	0.50	184	0.77	0.57	209	0.09
12-Month Follow-Up	0.89	0.52	108	0.73	0.57	96	0.16
Job Fulfilling							
Time of Application	2.82	0.96	116	2.84	0.87	120	-0.02
12-Month Follow-Up	2.79	0.99	72	2.80	0.85	51	-0.01
Wanted to Find Work							
Time of Application	3.70	1.65	177	3.66	1.62	199	0.04

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
12-Month Follow-Up	3.55	1.71	106	3.76	1.54	91	-0.21
Expected to Find Work							
Time of Application	2.66	1.71	176	2.82	1.71	198	-0.16
12-Month Follow-Up	2.64	1.72	106	2.97	1.68	91	-0.33
Annual Individual Income							
Time of Application	$19,417	$14,185	176	$17,225	$14,860	205	$2,192
12-Month Follow-Up	$21,057	$13,730	103	$18,271	$14,917	96	$2,786
5-Point Financial Well-Being Scale							
Time of Application	40.9	10.7	183	41.2	11.9	205	-0.3
12-Month Follow-Up	39.4	10.4	108	38.9	11.1	95	0.4
% Who Could Pay for a 400 Expense							
Time of Application	29%	NA	184	24%	NA	210	5%
12-Month Follow-Up	31%	NA	108	17%	NA	96	15%
% with Mortgage Debt							
Time of Application	8%	NA	184	12%	NA	210	-4%
12-Month Follow-Up	8%	NA	108	11%	NA	96	-3%
% with Utility Debt							
Time of Application	32%	NA	184	26%	NA	210	6%
12-Month Follow-Up	34%	NA	108	25%	NA	96	9%
% with Medical Debt							
Time of Application	34%	NA	184	31%	NA	210	2%
12-Month Follow-Up	40%	NA	108	35%	NA	96	4%
% with Bank Loan							
Time of Application	11%	NA	184	10%	NA	210	1%
12-Month Follow-Up	12%	NA	108	11%	NA	96	1%
% with Payday Loan							
Time of Application	4%	NA	184	5%	NA	210	0%
12-Month Follow-Up	4%	NA	108	10%	NA	96	-7%
% with Personal Loan							
Time of Application	25%	NA	184	17%	NA	210	8%
12-Month Follow-Up	27%	NA	108	22%	NA	96	5%
% with Other Debt							
Time of Application	14%	NA	184	22%	NA	210	-8%
12-Month Follow-Up	17%	NA	108	23%	NA	96	-6%
% with Vehicle Debt							
Time of Application	26%	NA	184	30%	NA	210	-3%
12-Month Follow-Up	29%	NA	108	30%	NA	96	-2%
% with Credit Card Debt							
Time of Application	48%	NA	184	42%	NA	210	6%
12-Month Follow-Up	54%	NA	108	49%	NA	96	5%
% with Student Loan (Own)							
Time of Application	16%	NA	184	18%	NA	210	-2%
12-Month Follow-Up	16%	NA	108	25%	NA	96	-9%

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
More than 500 Saved							
Time of Application	16%	NA	182	18%	NA	208	-2%
12-Month Follow-Up	20%	NA	107	22%	NA	96	-2%
I Am Going into Debt							
Time of Application	27%	NA	183	28%	NA	209	-1%
12-Month Follow-Up	31%	NA	108	29%	NA	96	1%
I am Living on My Savings							
Time of Application	4%	NA	183	7%	NA	209	-3%
12-Month Follow-Up	6%	NA	108	7%	NA	96	-1%
I Am Managing							
Time of Application	48%	NA	183	44%	NA	209	4%
12-Month Follow-Up	42%	NA	108	49%	NA	96	-7%
I Have a Bit of Money Leftover							
Time of Application	6%	NA	183	5%	NA	209	1%
12-Month Follow-Up	7%	NA	108	0%	NA	96	7%
I Have Enough Left to Save							
Time of Application	0%	NA	183	3%	NA	209	-3%
12-Month Follow-Up	0%	NA	108	2%	NA	96	-2%
I Do Not Know							
Time of Application	9%	NA	183	5%	NA	209	3%
12-Month Follow-Up	8%	NA	108	5%	NA	96	3%
Would Rather Not Say							
Time of Application	7%	NA	183	8%	NA	209	-2%
12-Month Follow-Up	6%	NA	108	7%	NA	96	-2%

Table B3. Baseline Balance for Emotional, Mental, and Physical Well-Being Outcomes

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Psychological Distress (Kessler 10)							
Time of Application	21.8	9.7	183	21.6	10.1	207	0.3
12-Month Follow-Up	22.7	10.2	108	23.0	10.1	96	-0.4
Psychological Distress from Medical Problems (Kessler 10)							
Time of Application	4.5	1.5	183	4.4	1.6	207	0.1
12-Month Follow-Up	4.4	1.6	108	4.3	1.6	95	0.1
Number of Doctor Visits (Kessler 10)							
Time of Application	1.0	1.8	183	1.1	1.6	207	0.0
12-Month Follow-Up	1.2	2.1	108	1.1	1.5	96	0.1
General Health (1 = Excellent; 2 = Very Good; 3 = Good; 4 = Fair or Poor)							
Time of Application	2.8	1.0	184	2.9	1.0	209	-0.1
12-Month Follow-Up	2.8	1.0	108	3.0	0.9	96	-0.2
Physical Functioning							
Time of Application	73.7	27.9	183	71.5	29.6	206	2.2
12-Month Follow-Up	73.0	29.2	108	72.0	29.8	95	0.9
Role Limitations Due to Health							
Time of Application	67.5	40.2	181	65.5	39.8	205	2.1
12-Month Follow-Up	64.4	42.0	108	61.3	41.4	95	3.0
Perceived Stress Scale							
Time of Application	7.3	3.2	182	7.3	3.0	206	0.0
12-Month Follow-Up	7.7	2.9	108	8.0	2.9	94	-0.3

Table B4. Baseline Balance for Food and Housing Security Outcomes

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Food Insecurity							
Time of Application	71%	NA	184	69%	NA	207	2%
End of Pilot	74%	NA	108	73%	NA	95	1%
Homeless							
Time of Application	5%	NA	184	5%	NA	208	0%
End of Pilot	5%	NA	108	3%	NA	96	2%
Homeowner							
Time of Application	3%	NA	184	3%	NA	208	0%
End of Pilot	6%	NA	108	1%	NA	96	5%
Friends/Family							
Time of Application	7%	NA	184	7%	NA	208	0%
End of Pilot	8%	NA	108	9%	NA	96	-1%
Other							
Time of Application	2%	NA	184	0%	NA	208	1%
End of Pilot	2%	NA	108	1%	NA	96	1%
Public Housing							
Time of Application	9%	NA	184	10%	NA	208	0%
End of Pilot	10%	NA	108	10%	NA	96	0%
Rent							
Time of Application	74%	NA	184	75%	NA	208	-1%
End of Pilot	69%	NA	108	75%	NA	96	-6%
% Evicted							
Time of Application	6%	NA	182	6%	NA	205	0%
End of Pilot	6%	NA	107	3%	NA	95	2%
% with Mortgage Default							
Time of Application	9%	NA	177	11%	NA	198	-2%
End of Pilot	8%	NA	108	12%	NA	93	-3%
Household Chaos							
Time of Application	27.1	6.7	183	26.9	7.7	204	0.2
End of Pilot	26.8	7.0	108	26.9	7.5	92	-0.1

Table B5. Baseline Balance for Hope and Sense of Mattering

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Hope Score							
Time of Application	47.3	9.9	183	46.1	11.2	203	1.3
End of Pilot	46.2	9.5	108	43.8	12.3	93	2.4
Agency Subscale							
Time of Application	23.6	5.2	183	22.7	5.9	203	0.9
End of Pilot	22.9	5.3	108	21.4	6.4	93	1.4
Pathways Subscale							
Time of Application	23.7	5.6	183	23.5	5.8	202	0.3
End of Pilot	23.4	5.3	108	22.4	6.5	93	1.0
Difficulty Fulfilling Commitments Outside of Work							
Time of Application	2.7	1.5	161	2.6	1.4	179	0.1
End of Pilot	2.8	1.5	97	2.5	1.3	81	0.3
General Mattering Scale							
Time of Application	82.4	22.8	183	80.0	24.1	206	2.4
End of Pilot	84.4	21.6	108	80.5	22.0	94	3.9

Table B6. Baseline Balance for 6-Point Transit Security Index

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
In the past 30 days, how often did you have to reschedule an appointment because of a problem with transportation?							
Time of Application	1.6	0.7	183	1.7	0.8	207	-0.1
12-Month Follow-Up	1.5	0.7	108	1.7	0.8	95	-0.2
In the past 30 days, how often did you skip going somewhere because of a problem with transportation?							
Time of Application	1.6	0.7	183	1.7	0.8	206	-0.1
12-Month Follow-Up	1.6	0.7	108	1.7	0.8	95	-0.1
In the past 30 days, how often were you not able to leave the house when you wanted to because of a problem with transportation?							
Time of Application	1.6	0.7	183	1.7	0.8	206	-0.1
12-Month Follow-Up	1.5	0.7	108	1.7	0.8	95	-0.2
In the past 30 days, how often did you feel bad because you did not have the transportation you needed?							
Time of Application	1.7	0.7	183	1.8	0.8	207	-0.1
12-Month Follow-Up	1.7	0.8	108	1.8	0.9	95	-0.2
In the past 30 days, how often did you worry about inconveniencing your friends, family, or neighbors because you needed help with transportation?							
Time of Application	1.6	0.7	184	1.8	0.8	207	-0.1
12-Month Follow-Up	1.7	0.7	108	1.8	0.9	95	-0.1
In the past 30 days, how often did problems with transportation affect your relationships with others?							
Time of Application	1.5	0.7	184	1.5	0.8	207	-0.1
12-Month Follow-Up	1.5	0.7	108	1.6	0.8	95	-0.1

Table B7. Baseline Balance for Childcare Outcomes

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
During the past 12 months, was there any time when any child in your household needed medical care, but did not get it because you/the family couldn't afford it?							
Time of Application	20%	NA	100	21%	NA	114	-1%
12-Month Follow-Up	15%	NA	53	19%	NA	47	-4%
Childcare arrangements: Stays at home with parent, stepparent, or guardian							
Time of Application	50%	NA	100	49%	NA	114	1%
12-Month Follow-Up	43%	NA	53	45%	NA	47	-1%
Childcare arrangements: Stays with other family member, such as an older sibling or grandparent							
Time of Application	19%	NA	100	21%	NA	114	-2%
12-Month Follow-Up	15%	NA	53	23%	NA	47	-8%
Childcare arrangements: Stays at home alone							
Time of Application	4%	NA	100	4%	NA	114	0%
12-Month Follow-Up	2%	NA	53	4%	NA	47	-2%
Childcare arrangements: Stays at home with babysitter (caring only for my child/children or my child and babysitter's own child/children)							
Time of Application	3%	NA	100	3%	NA	114	0%
12-Month Follow-Up	4%	NA	53	0%	NA	47	4%
Childcare arrangements: Stays somewhere other than home with an unrelated person who cares for a few children, such as a neighbor or unlicensed childcare provider							
Time of Application	5%	NA	100	5%	NA	114	0%
12-Month Follow-Up	4%	NA	53	6%	NA	47	-3%
Childcare arrangements: Attends licensed home-based family or group care provider							
Time of Application	4%	NA	100	2%	NA	114	2%
12-Month Follow-Up	6%	NA	53	0%	NA	47	6%
Childcare arrangements: Attends licensed childcare center							
Time of Application	6%	NA	100	4%	NA	114	2%
12-Month Follow-Up	6%	NA	53	6%	NA	47	-1%
Childcare arrangements: Attends Early Head Start or Head Start program							
Time of Application	11%	NA	56	12%	NA	67	-1%
12-Month Follow-Up	14%	NA	29	12%	NA	25	2%
Childcare arrangements: Attends preschool or pre-K							
Time of Application	17%	NA	29	32%	NA	40	-15%
12-Month Follow-Up	29%	NA	17	35%	NA	17	-6%
Childcare arrangements: Attends school (Elementary, Middle, or High School)							
Time of Application	56%	NA	48	53%	NA	58	3%
12-Month Follow-Up	58%	NA	26	54%	NA	26	4%
Childcare arrangements: Attends after-school program							
Time of Application	17%	NA	48	17%	NA	58	-1%
12-Month Follow-Up	23%	NA	26	15%	NA	26	8%
Childcare arrangements: Other							
Time of Application	2%	NA	100	4%	NA	114	-2%

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
12-Month Follow-Up	2%	NA	53	9%	NA	47	-7%
How many hours per week does your child receive care (paid or unpaid)?							
Time of Application	35.3	50.4	98	30.7	48.0	110	4.7
12-Month Follow-Up	24.2	32.9	53	25.5	36.1	44	-1.3
Childcare schedule need: Help with children while working from home							
Time of Application	7%	NA	100	7%	NA	114	0%
12-Month Follow-Up	2%	NA	53	4%	NA	47	-2%
Childcare schedule need: Childcare during the 9-5 Monday-Friday workday							
Time of Application	25%	NA	100	23%	NA	114	2%
12-Month Follow-Up	25%	NA	53	23%	NA	47	1%
Childcare schedule need: Childcare outside of the 9-5 Monday-Friday workday							
Time of Application	10%	NA	100	12%	NA	114	-2%
12-Month Follow-Up	15%	NA	53	11%	NA	47	4%
Childcare schedule need: Variable Schedule							
Time of Application	15%	NA	100	19%	NA	114	-4%
12-Month Follow-Up	17%	NA	53	17%	NA	47	0%
Childcare schedule need: Other							
Time of Application	3%	NA	100	8%	NA	114	-5%
12-Month Follow-Up	4%	NA	53	9%	NA	47	-5%
Childcare schedule need: None of the above							
Time of Application	51%	NA	100	49%	NA	114	2%
12-Month Follow-Up	53%	NA	53	53%	NA	47	0%
How easy or difficult has it been to find childcare arrangements (1 = Very easy, 2 = Somewhat easy, 3 = Neutral, 4 = Somewhat difficult, 5 = Very difficult)							
Time of Application	3.0	1.3	99	3.2	1.3	111	-0.2
12-Month Follow-Up	3.0	1.3	53	3.2	1.4	44	-0.1
What challenges do you face when accessing childcare? Lack of opening at childcare provider							
Time of Application	11%	NA	100	11%	NA	114	0%
12-Month Follow-Up	9%	NA	53	11%	NA	47	-1%
What challenges do you face when accessing childcare? Lack of high-quality care							
Time of Application	17%	NA	100	13%	NA	114	4%
12-Month Follow-Up	15%	NA	53	11%	NA	47	4%
What challenges do you face when accessing childcare? Lack of affordable care							
Time of Application	33%	NA	100	31%	NA	114	2%
12-Month Follow-Up	38%	NA	53	36%	NA	47	2%
What challenges do you face when accessing childcare? Inconvenient location (care was too far away)							
Time of Application	11%	NA	100	13%	NA	114	-2%
12-Month Follow-Up	8%	NA	53	15%	NA	47	-7%
What challenges do you face when accessing childcare? Lack of care that accommodates my work schedule							
Time of Application	21%	NA	100	18%	NA	114	3%
12-Month Follow-Up	21%	NA	53	9%	NA	47	12%
What challenges do you face when accessing childcare? Lack of back-up car, or emergency care, or care for sick kid							
Time of Application	12%	NA	100	7%	NA	114	5%

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
12-Month Follow-Up	15%	NA	53	11%	NA	47	4%
What challenges do you face when accessing childcare? My child was too young for programs							
Time of Application	14%	NA	100	16%	NA	114	-2%
12-Month Follow-Up	17%	NA	53	6%	NA	47	11%
What challenges do you face when accessing childcare? Lack of care for a child with special needs							
Time of Application	1%	NA	100	5%	NA	114	-4%
12-Month Follow-Up	0%	NA	53	9%	NA	47	-9%
What challenges do you face when accessing childcare? Other							
Time of Application	24%	NA	100	19%	NA	114	5%
12-Month Follow-Up	25%	NA	53	28%	NA	47	-3%
How do you feel about the quality of childcare (1 = Very satisfied, 2 = Somewhat satisfied, 3 = Neutral, 4 = Somewhat dissatisfied, 5 = Very dissatisfied)							
Time of Application	1.9	1.1	98	2.0	1.2	111	-0.1
12-Month Follow-Up	1.9	1.0	53	2.0	1.1	44	-0.1
How much do you current spend per week on childcare for all children in your household?							
Time of Application	$166	$625	98	$76	$138	111	$89
12-Month Follow-Up	$86	$142	53	$56	$138	46	$30
Over the last month have any of the following happened to you, specifically because of childcare issues? I missed a full day of work							
Time of Application	19%	NA	100	18%	NA	114	1%
12-Month Follow-Up	21%	NA	53	17%	NA	47	4%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was late for work							
Time of Application	25%	NA	100	13%	NA	114	12%
12-Month Follow-Up	21%	NA	53	11%	NA	47	10%
Over the last month have any of the following happened to you, specifically because of childcare issues? I left work early							
Time of Application	16%	NA	100	15%	NA	114	1%
12-Month Follow-Up	15%	NA	53	15%	NA	47	0%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was absent from work during the workday							
Time of Application	10%	NA	100	11%	NA	114	-1%
12-Month Follow-Up	8%	NA	53	11%	NA	47	-3%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was distracted and less productive at work							
Time of Application	14%	NA	100	8%	NA	114	6%
12-Month Follow-Up	11%	NA	53	6%	NA	47	5%
Over the last month have any of the following happened to you, specifically because of childcare issues? None of the above							
Time of Application	58%	NA	100	66%	NA	114	-8%
12-Month Follow-Up	53%	NA	53	66%	NA	47	-13%
Over the last month how many hours were you absent from work specifically due to childcare issues?							
Time of Application	6.6	11.7	78	16.5	63.3	69	-9.9
12-Month Follow-Up	7.2	9.4	44	4.8	9.3	29	2.4
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I was reprimanded							
Time of Application	5%	NA	100	8%	NA	114	-3%
12-Month Follow-Up	6%	NA	53	4%	NA	47	1%

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I had trouble performing my job duties							
Time of Application	6%	NA	100	8%	NA	114	-2%
12-Month Follow-Up	4%	NA	53	4%	NA	47	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I quit my job							
Time of Application	6%	NA	100	3%	NA	114	3%
12-Month Follow-Up	8%	NA	53	2%	NA	47	5%
Over the last year have any of the following happened to you specifically because of childcare issues? I was fired from my job							
Time of Application	1%	NA	100	4%	NA	114	-3%
12-Month Follow-Up	0%	NA	53	2%	NA	47	-2%
Over the last year have any of the following happened to you specifically because of childcare issues? I was demoted or transferred to a less desirable position							
Time of Application	1%	NA	100	0%	NA	114	1%
12-Month Follow-Up	2%	NA	53	0%	NA	47	2%
Over the last year have any of the following happened to you specifically because of childcare issues? I was passed over for an opportunity or promotion							
Time of Application	3%	NA	100	4%	NA	114	-1%
12-Month Follow-Up	2%	NA	53	6%	NA	47	-4%
Over the last year have any of the following happened to you specifically because of childcare issues? I changed from full-time work to part-time work							
Time of Application	6%	NA	100	9%	NA	114	-3%
12-Month Follow-Up	2%	NA	53	6%	NA	47	-4%
Over the last year have any of the following happened to you specifically because of childcare issues? I chose not to change from part-time to full-time work							
Time of Application	1%	NA	100	1%	NA	114	0%
12-Month Follow-Up	2%	NA	53	2%	NA	47	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined a promotion							
Time of Application	2%	NA	100	4%	NA	114	-2%
12-Month Follow-Up	0%	NA	53	0%	NA	47	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I turned down a job offer							
Time of Application	9%	NA	100	11%	NA	114	-2%
12-Month Follow-Up	6%	NA	53	11%	NA	47	-5%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined to pursue further education or training							
Time of Application	7%	NA	100	6%	NA	114	1%
12-Month Follow-Up	4%	NA	53	6%	NA	47	-3%
Over the last year have any of the following happened to you specifically because of childcare issues? Other							
Time of Application	4%	NA	100	4%	NA	114	0%
12-Month Follow-Up	6%	NA	53	6%	NA	47	-1%
Over the last year have any of the following happened to you specifically because of childcare issues? None of the above							
Time of Application	63%	NA	100	62%	NA	114	1%
12-Month Follow-Up	66%	NA	53	68%	NA	47	-2%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Childcare program on site.							
Time of Application	1%	NA	100	4%	NA	114	-3%
12-Month Follow-Up	0%	NA	53	4%	NA	47	-4%

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Reserved space at an offsite childcare facility.							
Time of Application	0%	NA	100	0%	NA	114	0%
12-Month Follow-Up	0%	NA	53	0%	NA	47	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Financial support to help pay for childcare.							
Time of Application	4%	NA	100	2%	NA	114	2%
12-Month Follow-Up	8%	NA	53	2%	NA	47	5%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Financial support to help pay for childcare.							
Time of Application	1%	NA	100	1%	NA	114	0%
12-Month Follow-Up	0%	NA	53	0%	NA	47	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Flexibility and tolerance of childcare needs.							
Time of Application	2%	NA	100	3%	NA	114	-1%
12-Month Follow-Up	0%	NA	53	0%	NA	47	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Other							
Time of Application	1%	NA	100	0%	NA	114	1%
12-Month Follow-Up	0%	NA	53	0%	NA	47	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? None of the above							
Time of Application	88%	NA	100	91%	NA	114	-3%
12-Month Follow-Up	92%	NA	53	94%	NA	47	-1%
During the past week, has anyone in your household done the following things with your child? Told them a story (does not include reading to this child)							
Time of Application	61%	NA	100	63%	NA	114	-2%
12-Month Follow-Up	57%	NA	53	53%	NA	47	3%
During the past week, has anyone in your household done the following things with your child? Done activities like arts and crafts, coloring, painting, pasting, or using clay with them							
Time of Application	78%	NA	100	71%	NA	114	7%
12-Month Follow-Up	70%	NA	53	68%	NA	47	2%
During the past week, has anyone in your household done the following things with your child? Played board games or done puzzles with them							
Time of Application	64%	NA	100	57%	NA	114	7%
12-Month Follow-Up	57%	NA	53	57%	NA	47	-1%
During the past week, has anyone in your household done the following things with your child? Worked on a project with them like building, making, or fixing something							
Time of Application	60%	NA	100	62%	NA	114	-2%
12-Month Follow-Up	58%	NA	53	60%	NA	47	-1%
During the past week, has anyone in your household done the following things with your child? Played sports, active games, or exercised together							
Time of Application	75%	NA	100	80%	NA	114	-5%
12-Month Follow-Up	70%	NA	53	77%	NA	47	-7%
During the past week, has anyone in your household done the following things with your child? Discussed with them how to manage time							
Time of Application	67%	NA	99	71%	NA	114	-4%
12-Month Follow-Up	62%	NA	53	68%	NA	47	-6%
During the past week, has anyone in your household done the following things with your child? Talked with them about their family's history or ethnic heritage							

	ARISE			Control Group			Difference
	Mean	Standard Deviation	N	Mean	Standard Deviation	N	
Time of Application	65%	NA	100	64%	NA	114	1%
12-Month Follow-Up	64%	NA	53	62%	NA	47	2%

Appendix C: Impact Findings for all Outcomes

The tables in Appendix C present detailed impact estimates for all outcomes identified in the study's pre-specified analysis plan, at each survey wave. Outcomes are grouped by type. Each table show the regression-adjusted *ARISE* participant and control group means, the estimated impact (which is the difference between the regression-adjusted participant and control group means), the standard error associated with the impact estimate, the relative impact (i.e., the impact as a percentage of the control group mean), and the upper and lower bounds associated with the 95 percent confidence interval.

Table C1. Impact Estimates for Financial Well-Being Outcomes

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
Annual Household Income							
12-Month Follow-Up	$19,527	$23,989	-$4,461	$2,460	-19	-$9,298	$376
Public Benefits Use							
12-Month Follow-Up	55%	60%	-5%	7%	-8	-19%	8%
Full Time Employment							
12-Month Follow-Up	33%	35%	-2%	6%	-6	-13%	10%
Part Time Employment							
12-Month Follow-Up	14%	18%	-4%	6%	-22	-15%	7%
Full Time Caregiver/Parent							
12-Month Follow-Up	7%	5%	1%	3%	20	-5%	8%
Self Employed/Business Owner							
12-Month Follow-Up	10%	9%	0%	4%	0	-8%	9%
Gig Worker							
12-Month Follow-Up	4%	6%	-2%	3%	-33	-8%	5%
Retired/Disabled							
12-Month Follow-Up	12%	9%	3%	4%	33	-4%	10%
Full Time Student							
12-Month Follow-Up	1%	1%	0%	2%	0	-4%	3%
Unemployed							
12-Month Follow-Up	15%	20%	-5%	6%	-25	-17%	6%
Paid or Unpaid Work							
12-Month Follow-Up	69%	70%	-1%	6%	-1	-12%	11%
Number of Jobs							
12-Month Follow-Up	0.8	0.9	-0.1	0.1	-8	-0.2	0.1
Job Fulfilling							
12-Month Follow-Up	2.9	3.0	-0.1	0.2	-4	-0.5	0.2
Wanted to Find Work							
12-Month Follow-Up	3.4	3.1	0.3	0.3	10	-0.2	0.8
Expected to Find Work							
12-Month Follow-Up	2.6	2.3	0.3	0.2	13	-0.2	0.8
Annual Individual Income							
12-Month Follow-Up	$16,196	$16,502	-$306	$1,915	-2	-$4,072	$3,460
5-Point Financial Well-Being Scale							
12-Month Follow-Up	43.7	42.1	1.6	1.4	4	-1.1	4.3
% Who Could Pay for a 400 Expense							
12-Month Follow-Up	37%	29%	8%	6%	28	-5%	20%
% with Mortgage Debt							
12-Month Follow-Up	19%	9%	10%	5%	111	0%	20%
% with Utility Debt							
12-Month Follow-Up	23%	24%	-1%	6%	-4	-13%	12%
% with Medical Debt							
12-Month Follow-Up	29%	32%	-3%	7%	-9	-16%	10%

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
% with Bank Loan							
12-Month Follow-Up	8%	13%	-5%	5%	-38	-15%	4%
% with Payday Loan							
12-Month Follow-Up	6%	7%	-1%	4%	-14	-9%	6%
% with Personal Loan							
12-Month Follow-Up	27%	25%	2%	7%	8	-11%	15%
% with Other Debt							
12-Month Follow-Up	20%	19%	0%	6%	0	-12%	13%
% with Vehicle Debt							
12-Month Follow-Up	32%	31%	1%	6%	3	-12%	14%
% with Credit Card Debt							
12-Month Follow-Up	40%	45%	-5%	7%	-11	-18%	8%
% with Student Loan (Own)							
12-Month Follow-Up	17%	15%	2%	4%	13	-6%	10%
More than 500 Saved							
12-Month Follow-Up	21%	17%	3%	6%	18	-8%	15%
I Am Going into Debt							
12-Month Follow-Up	20%	23%	-3%	7%	-13	-16%	10%
I am Living on My Savings							
12-Month Follow-Up	1%	6%	-5%	3%	-83	-12%	1%
I Am Managing							
12-Month Follow-Up	43%	40%	3%	8%	8	-13%	19%
I Have a Bit of Money Leftover							
12-Month Follow-Up	11%	5%	5%	5%	100	-4%	15%
I Have Enough Left to Save							
12-Month Follow-Up	2%	2%	0%	3%	0	-6%	5%
I Do Not Know							
12-Month Follow-Up	5%	8%	-3%	4%	-38	-11%	6%
Would Rather Not Say							
12-Month Follow-Up	12%	15%	-3%	6%	-20	-15%	9%

Table C2. Impact Estimates for Emotional, Mental, and Physical Well-Being Outcomes

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
Psychological Distress (Kessler 10)							
12-Month Follow-Up	19.9	21.0	-1.1	1.3	-5	-3.6	1.4
Psychological Distress from Medical Problems (Kessler 10)							
12-Month Follow-Up	4.5	4.4	0.1	0.2	2	-0.3	0.5
Number of Doctor Visits (Kessler 10)							
12-Month Follow-Up	1.2	1.7	-0.5	0.4	-30	-1.4	0.3
General Health (1 = Excellent; 2 = Very Good; 3 = Good; 4 = Fair or Poor)							
12-Month Follow-Up	2.9	2.9	0.0	0.1	0	-0.2	0.2
Physical Functioning							
12-Month Follow-Up	70.1	70.5	-0.4	3.5	-1	-7.2	6.4
Role Limitations Due to Health							
12-Month Follow-Up	61.0	63.7	-2.7	5.9	-4	-14.4	9.0
Perceived Stress Scale							
12-Month Follow-Up	6.2	7.0	-0.8	0.5	-12	-1.7	0.1

Table C3. Impact Estimates for Food and Housing Security Outcomes

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
Food Insecurity							
12-Month Follow-Up	59%	65%	-6%	6%	-9	-18%	6%
Homeless							
12-Month Follow-Up	1%	0%	1%	1%	NA	-1%	4%
Homeowner							
12-Month Follow-Up	5%	3%	2%	2%	67	-3%	7%
Friends/Family							
12-Month Follow-Up	5%	7%	-2%	4%	-29	-11%	6%
Other Housing							
12-Month Follow-Up	0%	3%	-3%	2%	-100	-6%	0%
Public Housing							
12-Month Follow-Up	12%	12%	0%	5%	0	-9%	9%
Rent							
12-Month Follow-Up	72%	75%	-3%	5%	-4	-14%	7%
% Evicted							
12-Month Follow-Up	4%	8%	-5%	3%	-63	-11%	1%
% with Mortgage Default							
12-Month Follow-Up	13%	15%	-2%	4%	-13	-10%	6%
Household Chaos							
12-Month Follow-Up	26.4	29.0	-2.7	1.0	-9	-4.7	-0.6

Table C4. Impact Estimates for Hope and Sense of Mattering Outcomes

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact	Lower CI	Upper CI
Hope Score							
12-Month Follow-Up	48.3	44.5	3.8	1.3	9	1.3	6.4
Hope Scale: Agency Subscale							
12-Month Follow-Up	23.7	21.9	1.8	0.8	8	0.1	3.4
Hope Scale: Pathway Subscale							
12-Month Follow-Up	24.7	22.9	1.7	0.8	8	0.2	3.3
Difficulty Fulfilling Commitments Outside of Work							
12-Month Follow-Up	2.4	2.4	0.0	0.2	0	-0.4	0.4
General Mattering Scale							
12-Month Follow-Up	79.2	78.1	1.2	3.3	1	-5.3	7.7

Table C5. 6-Point Transit Security Index

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
In the past 30 days, how often did you have to reschedule an appointment because of a problem with transportation?							
12-Month Follow-Up	1.4	1.6	-0.3	0.1	-18	-0.5	-0.1
In the past 30 days, how often did you skip going somewhere because of a problem with transportation?							
12-Month Follow-Up	1.4	1.7	-0.3	0.1	-17	-0.5	-0.1
In the past 30 days, how often were you not able to leave the house when you wanted to because of a problem with transportation?							
12-Month Follow-Up	1.4	1.7	-0.2	0.1	-13	-0.4	-0.1
In the past 30 days, how often did you feel bad because you did not have the transportation you needed?							
12-Month Follow-Up	1.4	1.7	-0.3	0.1	-18	-0.5	-0.1
In the past 30 days, how often did you worry about inconveniencing your friends, family, or neighbors because you needed help with transportation?							
12-Month Follow-Up	1.5	1.7	-0.2	0.1	-12	-0.4	0.0
In the past 30 days, how often did problems with transportation affect your relationships with others?							
12-Month Follow-Up	1.4	1.5	-0.2	0.1	-10	-0.3	0.0

Table C6. Impact Estimates for Childcare Outcomes

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
During the past 12 months, was there any time when any child in your household needed medical care, but did not get it because you/the family couldn't afford it?							
12-Month Follow-Up	20%	22%	-2%	8%	-9	-17%	13%
Childcare arrangements: Stays at home with parent, stepparent, or guardian							
12-Month Follow-Up	40%	57%	-18%	10%	-32	-38%	2%
Childcare arrangements: Stays with other family member, such as an older sibling or grandparent							
12-Month Follow-Up	26%	23%	4%	9%	17	-14%	22%
Childcare arrangements: Stays at home alone							
12-Month Follow-Up	10%	7%	3%	5%	43	-8%	14%
Childcare arrangements: Stays at home with babysitter (caring only for my child/children or my child and babysitter's own child/children)							
12-Month Follow-Up	2%	1%	0%	3%	0	-6%	6%
Childcare arrangements: Stays somewhere other than home with an unrelated person who cares for a few children, such as a neighbor or unlicensed childcare provider							
12-Month Follow-Up	5%	1%	4%	3%	400	-2%	10%
Childcare arrangements: Attends licensed home-based family or group care provider							
12-Month Follow-Up	1%	0%	1%	2%	NA	-3%	4%
Childcare arrangements: Attends licensed childcare center							
12-Month Follow-Up	11%	3%	8%	5%	267	-2%	18%
Childcare arrangements: Attends Early Head Start or Head Start program							
12-Month Follow-Up	7%	-2%	9%	5%	-450	-1%	19%
Childcare arrangements: Attends preschool or pre-K							
12-Month Follow-Up	10%	4%	6%	7%	150	-7%	19%
Childcare arrangements: Attends school (Elementary, Middle, or High School)							
12-Month Follow-Up	23%	41%	-18%	10%	-44	-37%	1%
Childcare arrangements: Attends after-school program							
12-Month Follow-Up	10%	17%	-8%	7%	-47	-22%	6%
Childcare arrangements: Other							
12-Month Follow-Up	8%	5%	3%	5%	60	-6%	13%
How many hours per week does your child receive care (paid or unpaid)?							
12-Month Follow-Up	24.1	39.9	-15.7	6.8	-39	-29.2	-2.3
Childcare schedule need: Help with children while working from home							
12-Month Follow-Up	7%	7%	0%	6%	0	-12%	12%
Childcare schedule need: Childcare during the 9-5 Monday-Friday workday							
12-Month Follow-Up	15%	14%	1%	7%	7	-14%	15%
Childcare schedule need: Childcare outside of the 9-5 Monday-Friday workday							
12-Month Follow-Up	7%	5%	3%	5%	60	-8%	13%
Childcare schedule need: Variable Schedule							
12-Month Follow-Up	14%	16%	-2%	8%	-13	-17%	13%
Childcare schedule need: Other							
12-Month Follow-Up	5%	9%	-3%	5%	-33	-12%	6%
Childcare schedule need: None of the above							
12-Month Follow-Up	58%	50%	8%	10%	16	-12%	28%
How easy or difficult has it been to find childcare arrangements (1 = Very easy, 2 = Somewhat easy, 3 = Neutral, 4 = Somewhat							

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
difficult, 5 = Very difficult)							
12-Month Follow-Up	2.8	2.8	0.0	0.2	-1	-0.4	0.4
What challenges do you face when accessing childcare? Lack of opening at childcare provider							
12-Month Follow-Up	5%	10%	-5%	4%	-50	-14%	3%
What challenges do you face when accessing childcare? Lack of high-quality care							
12-Month Follow-Up	11%	19%	-8%	6%	-42	-20%	3%
What challenges do you face when accessing childcare? Lack of affordable care							
12-Month Follow-Up	33%	30%	3%	9%	10	-14%	20%
What challenges do you face when accessing childcare? Inconvenient location (care was too far away)							
12-Month Follow-Up	4%	17%	-12%	5%	-71	-23%	-2%
What challenges do you face when accessing childcare? Lack of care that accommodates my work schedule							
12-Month Follow-Up	15%	21%	-5%	8%	-24	-20%	10%
What challenges do you face when accessing childcare? Lack of back-up car, or emergency care, or care for sick kid							
12-Month Follow-Up	19%	9%	10%	7%	111	-3%	24%
What challenges do you face when accessing childcare? My child was too young for programs							
12-Month Follow-Up	4%	13%	-9%	5%	-69	-20%	1%
What challenges do you face when accessing childcare? Lack of care for a child with special needs							
12-Month Follow-Up	2%	2%	0%	3%	0	-6%	6%
What challenges do you face when accessing childcare? Other							
12-Month Follow-Up	31%	23%	8%	8%	35	-8%	25%
How do you feel about the quality of childcare (1 = Very satisfied, 2 = Somewhat satisfied, 3 = Neutral, 4 = Somewhat dissatisfied, 5 = Very dissatisfied)							
12-Month Follow-Up	2.0	2.4	-0.4	0.2	-16	-0.8	0.0
How much do you current spend per week on childcare for all children in your household?							
12-Month Follow-Up	$79	$66	$13	$25	20	-$37	$63
Over the last month have any of the following happened to you, specifically because of childcare issues? I missed a full day of work							
12-Month Follow-Up	6%	4%	3%	6%	75	-9%	15%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was late for work							
12-Month Follow-Up	17%	12%	5%	8%	42	-10%	20%
Over the last month have any of the following happened to you, specifically because of childcare issues? I left work early							
12-Month Follow-Up	9%	15%	-6%	6%	-40	-19%	6%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was absent from work during the workday							
12-Month Follow-Up	9%	8%	1%	5%	13	-9%	10%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was distracted and less productive at work							
12-Month Follow-Up	5%	4%	1%	4%	25	-6%	8%
Over the last month have any of the following happened to you, specifically because of childcare issues? None of the above							
12-Month Follow-Up	68%	80%	-12%	9%	-15	-30%	5%
Over the last month how many hours were you absent from work specifically due to childcare issues?							
12-Month Follow-Up	4.6	5.9	-1.3	2.6	-21	-6.5	4.0
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I was reprimanded							
12-Month Follow-Up	1%	6%	-5%	5%	-83	-15%	6%
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I had trouble performing my job duties							

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
12-Month Follow-Up	2%	-1%	3%	5%	-300	-6%	12%
Over the last year have any of the following happened to you specifically because of childcare issues? I quit my job							
12-Month Follow-Up	1%	-1%	2%	3%	-200	-3%	7%
Over the last year have any of the following happened to you specifically because of childcare issues? I was fired from my job							
12-Month Follow-Up	2%	7%	-5%	6%	-71	-16%	7%
Over the last year have any of the following happened to you specifically because of childcare issues? I was demoted or transferred to a less desirable position							
12-Month Follow-Up	3%	1%	1%	2%	100	-3%	6%
Over the last year have any of the following happened to you specifically because of childcare issues? I was passed over for an opportunity or promotion							
12-Month Follow-Up	0%	1%	-1%	4%	-100	-8%	6%
Over the last year have any of the following happened to you specifically because of childcare issues? I changed from full-time work to part-time work							
12-Month Follow-Up	4%	3%	1%	4%	33	-7%	10%
Over the last year have any of the following happened to you specifically because of childcare issues? I chose not to change from part-time to full-time work							
12-Month Follow-Up	0%	0%	0%	0%	NA	0%	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined a promotion							
12-Month Follow-Up	0%	0%	0%	0%	NA	0%	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I turned down a job offer							
12-Month Follow-Up	5%	2%	3%	4%	150	-5%	12%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined to pursue further education or training							
12-Month Follow-Up	6%	3%	3%	6%	100	-8%	14%
Over the last year have any of the following happened to you specifically because of childcare issues? Other							
12-Month Follow-Up	3%	2%	1%	3%	50	-6%	7%
Over the last year have any of the following happened to you specifically because of childcare issues? None of the above							
12-Month Follow-Up	68%	68%	0%	10%	0	-19%	19%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Childcare program on site.							
12-Month Follow-Up	3%	3%	1%	4%	33	-8%	9%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Reserved space at an offsite childcare facility							
12-Month Follow-Up	0%	0%	0%	0%	NA	0%	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Financial support to help pay for childcare.							
12-Month Follow-Up	6%	-2%	8%	4%	-400	-1%	17%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Information on finding childcare							
12-Month Follow-Up	1%	0%	1%	3%	NA	-4%	6%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Flexibility and tolerance of childcare needs.							
12-Month Follow-Up	1%	1%	0%	4%	0	-7%	7%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Other							
12-Month Follow-Up	0%	0%	0%	0%	NA	0%	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? None of the above							
12-Month Follow-Up	87%	93%	-6%	7%	-6	-19%	7%
During the past week, has anyone in your household done the following things with your child? Told them a story (does not include reading to this child)							

	ARISE Mean	Control Group Mean	Impact	Standard Error	Relative Impact (%)	Lower CI	Upper CI
12-Month Follow-Up	72%	61%	10%	10%	16	-9%	30%
During the past week, has anyone in your household done the following things with your child? Done activities like arts and crafts, coloring, painting, pasting, or using clay with them							
12-Month Follow-Up	79%	91%	-13%	7%	-14	-27%	2%
During the past week, has anyone in your household done the following things with your child? Played board games or done puzzles with them							
12-Month Follow-Up	63%	75%	-11%	9%	-15	-28%	6%
During the past week, has anyone in your household done the following things with your child? Worked on a project with them like building, making, or fixing something							
12-Month Follow-Up	78%	79%	-2%	8%	-3	-17%	14%
During the past week, has anyone in your household done the following things with your child? Played sports, active games, or exercised together							
12-Month Follow-Up	67%	82%	-15%	8%	-18	-30%	0%
During the past week, has anyone in your household done the following things with your child? Discussed with them how to manage time							
12-Month Follow-Up	75%	85%	-10%	8%	-12	-26%	6%
During the past week, has anyone in your household done the following things with your child? Talked with them about their family's history or ethnic heritage							
12-Month Follow-Up	68%	77%	-9%	10%	-12	-29%	11%

Appendix D: Sensitivity of Impact Estimates to Alternative Specifications

The tables in Appendix D present alternative model specifications to test the sensitivity of our results to model misspecification. Our main results use a technique called multiple imputation through chained equations (MICE) to fill in data that are missing due to survey non-response, as described in the study's pre-specified analysis plan. Therefore, those results rely on a set of assumptions about the missing data mechanism (in particular, that data are missing at random—but not missing completely at random, as is required for complete case analysis. Missing at random means that the probability that a value is missing depends only on observed values and not on unobserved values). Misspecification of our imputation model may introduce bias into our impact estimates.

We present two alternative models—complete case analysis and complete case analysis using only the pretest measure of the outcome—to test whether our results are sensitive to model specification and inclusion of control variables. In each table in this appendix, columns 2-3 show the impact estimate and associated standard error, respectively, for our main specification using imputation at each follow up. These are the same as the impact estimates presented in Appendix C. Columns 4-5 show the impact estimate and associated standard error, respectively, for a complete cases analysis that includes all the variables used in the imputation as independent variables in the regression model. Substantial differences between the main specification and the complete case analysis would suggest a misspecification of the imputation model. Columns 6-7 show the impact estimate and associated standard error, respectively, for a complete case analysis that only includes a treatment indicator and the outcome measured at baseline as independent variables in the regression model. Substantial differences between the main specification and this alternative specification would suggest that attrition was correlated with these observable characteristics (i.e., not missing completely at random).

The results presented in this appendix show that in the evaluation of ARISE, there was little difference between the main impact estimates and impact estimates produced under alternative specifications. The robustness of the main findings to these alternative specifications lends credibility to the results.

Table D1. Alternative Impact Estimates for Financial Well-Being Outcomes

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Standard Error	Impact	Standard Error
Annual Household Income						
12-Month Follow-Up	-$4,461	$2,460	-$5,718	$2,434	-$3,522	$2,259
Public Benefits Use						
12-Month Follow-Up	-5%	7%	-4%	7%	-8%	6%
Full Time Employment						
12-Month Follow-Up	-2%	6%	-3%	6%	0%	5%
Part Time Employment						
12-Month Follow-Up	-4%	6%	2%	6%	-1%	5%
Full Time Caregiver/Parent						
12-Month Follow-Up	1%	3%	1%	3%	1%	3%
Self Employed/Business Owner						
12-Month Follow-Up	0%	4%	0%	3%	1%	3%
Gig Worker						
12-Month Follow-Up	-2%	3%	0%	3%	-2%	3%
Retired/Disabled						
12-Month Follow-Up	3%	4%	5%	3%	4%	3%
Full Time Student						
12-Month Follow-Up	0%	2%	0%	2%	1%	1%
Unemployed						
12-Month Follow-Up	-5%	6%	-6%	6%	-4%	5%
Paid or Unpaid Work						
12-Month Follow-Up	-1%	6%	0%	6%	-3%	6%
Number of Jobs						
12-Month Follow-Up	-0.07	0.08	-0.07	0.08	-0.03	0.07
Job Fulfilling						
12-Month Follow-Up	-0.12	0.18	-0.13	0.21	-0.11	0.16
Wanted to Find Work						
12-Month Follow-Up	0.32	0.25	0.37	0.26	0.51	0.23
Expected to Find Work						
12-Month Follow-Up	0.3	0.23	0	0.28	0.41	0.25
Annual Individual Income						
12-Month Follow-Up	-$306	$1,915	-$1,173	$2,362	-$563	$2,010
Financial Well-Being						
12-Month Follow-Up	1.59	1.39	2.44	1.68	2.43	1.55
Emergency Expense						
12-Month Follow-Up	8%	6%	5%	7%	7%	6%
% with Mortgage Debt						
12-Month Follow-Up	10%	5%	9%	4%	9%	4%
% with Utility Debt						
12-Month Follow-Up	-1%	6%	-1%	6%	-2%	6%
% with Medical Debt						

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Standard Error	Impact	Standard Error
12-Month Follow-Up	-3%	7%	-8%	7%	-5%	6%
% with Bank Loan						
12-Month Follow-Up	-5%	5%	-8%	5%	-6%	4%
% with Payday Loan						
12-Month Follow-Up	-1%	4%	-3%	4%	-1%	3%
% with Personal Loan						
12-Month Follow-Up	2%	7%	1%	6%	-1%	6%
% with Other Debt						
12-Month Follow-Up	0%	6%	-2%	6%	-1%	5%
% with Vehicle Debt						
12-Month Follow-Up	1%	6%	3%	7%	0%	6%
% with Credit Card Debt						
12-Month Follow-Up	-5%	7%	-6%	7%	-7%	6%
% with Student Loan (Own)						
12-Month Follow-Up	2%	4%	3%	4%	1%	3%
More than 500 Saved						
12-Month Follow-Up	3%	6%	4%	6%	5%	5%
I Am Going into Debt						
12-Month Follow-Up	-3%	7%	-1%	6%	-4%	5%
I am Living on My Savings						
12-Month Follow-Up	-5%	3%	-6%	3%	-4%	3%
I Am Managing						
12-Month Follow-Up	3%	8%	4%	8%	4%	7%
I Have a Bit of Money Leftover						
12-Month Follow-Up	5%	5%	7%	5%	6%	4%
I Have Enough Left to Save						
12-Month Follow-Up	0%	3%	-2%	2%	2%	2%
I Do Not Know						
12-Month Follow-Up	-3%	4%	-6%	4%	-2%	4%
Would Rather Not Say						
12-Month Follow-Up	-3%	6%	3%	6%	-2%	5%

Table D2. Alternative Impact Estimates for Emotional, Mental, and Physical Well-Being Outcomes

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Standard Error	Impact	Standard Error
Psychological Distress (Kessler 10)						
12-Month Follow-Up	-1.13	1.27	-0.66	1.26	-1.27	1.02
Psychological Distress from Medical Problems (Kessler 10)						
12-Month Follow-Up	0.09	0.22	0.16	0.25	0.22	0.2
Number of Doctor Visits (Kessler 10)						
12-Month Follow-Up	-0.51	0.43	-0.48	0.32	-0.81	0.34
General Health (1 = Excellent; 2 = Very Good; 3 = Good; 4 = Fair or Poor)						
12-Month Follow-Up	-0.01	0.1	-0.06	0.11	-0.01	0.1
Physical Functioning						
12-Month Follow-Up	-0.39	3.46	0.54	4.31	0.22	3.67
Role Limitations Due to Health						
12-Month Follow-Up	-2.69	5.93	-6.43	6.16	-2.88	5.21
Perceived Stress Scale						
12-Month Follow-Up	-0.81	0.47	-1.06	0.46	-0.92	0.39

Table D3. Alternative Impact Estimates for Food and Housing Security Outcomes

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
Food Insecurity						
12-Month Follow-Up	-6%	6%	-10%	7%	-11%	6%
Homeless						
12-Month Follow-Up	1%	1%	2%	2%	1%	1%
Homeowner						
12-Month Follow-Up	2%	2%	-1%	1%	2%	2%
Friends/Family						
12-Month Follow-Up	-2%	4%	-3%	4%	-3%	4%
Other Housing						
12-Month Follow-Up	-3%	2%	-2%	2%	-2%	1%
Public Housing						
12-Month Follow-Up	0%	5%	2%	4%	0%	4%
Rent						
12-Month Follow-Up	-3%	5%	0%	6%	-1%	5%
% Evicted						
12-Month Follow-Up	-5%	3%	-6%	4%	-3%	3%
% with Mortgage Default						
12-Month Follow-Up	-2%	4%	3%	5%	0%	4%
Household Chaos						
12-Month Follow-Up	-2.67	1.03	-3.06	1.28	-3.35	1.05

Table D4. Alternative Impact Estimates for Hope and Sense of Mattering Outcomes

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
Hope Score						
12-Month Follow-Up	3.84	1.32	4.18	1.57	3.38	1.38
Hope Scale: Agency Subscale						
12-Month Follow-Up	1.76	0.82	1.84	0.83	1.58	0.75
Hope Scale: Pathway Subscale						
12-Month Follow-Up	1.73	0.8	1.91	0.8	1.62	0.74
Difficulty Fulfilling Commitments Outside of Work						
12-Month Follow-Up	-0.01	0.2	0.02	0.24	0.07	0.21
General Mattering Scale						
12-Month Follow-Up	1.15	3.3	1.74	3.94	0.83	3.22

Table D5. Alternative Impact Estimates for the 6-Point Transit Security Index

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
In the past 30 days, how often did you have to reschedule an appointment because of a problem with transportation?						
12-Month Follow-Up	-0.29	0.08	-0.32	0.09	-0.28	0.08
In the past 30 days, how often did you skip going somewhere because of a problem with transportation?						
12-Month Follow-Up	-0.3	0.09	-0.4	0.1	-0.34	0.09
In the past 30 days, how often were you not able to leave the house when you wanted to because of a problem with transportation?						
12-Month Follow-Up	-0.22	0.08	-0.23	0.1	-0.26	0.08
In the past 30 days, how often did you feel bad because you did not have the transportation you needed?						
12-Month Follow-Up	-0.30	0.09	-0.32	0.1	-0.33	0.09
In the past 30 days, how often did you worry about inconveniencing your friends, family, or neighbors because you needed help with transportation?						
12-Month Follow-Up	-0.20	0.09	-0.26	0.12	-0.24	0.1
In the past 30 days, how often did problems with transportation affect your relationships with others?						
12-Month Follow-Up	-0.15	0.08	-0.18	0.1	-0.19	0.09

Table D6. Alternative Impact Estimates for Childcare Outcomes

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
During the past 12 months, was there any time when any child in your household needed medical care, but did not get it because you/the family couldn't afford it?						
12-Month Follow-Up	-2%	8%	-4%	9%	-4%	7%
Childcare arrangements: Stays at home with parent, stepparent, or guardian						
12-Month Follow-Up	-18%	10%	-16%	12%	-16%	10%
Childcare arrangements: Stays with other family member, such as an older sibling or grandparent						
12-Month Follow-Up	4%	9%	7%	11%	-1%	9%
Childcare arrangements: Stays at home alone						
12-Month Follow-Up	3%	5%	0%	5%	3%	5%
Childcare arrangements: Stays at home with babysitter (caring only for my child/children or my child and babysitter's own child/children)						
12-Month Follow-Up	0%	3%	1%	4%	0%	3%
Childcare arrangements: Stays somewhere other than home with an unrelated person who cares for a few children, such as a neighbor or unlicensed childcare provider						
12-Month Follow-Up	4%	3%	2%	2%	2%	2%
Childcare arrangements: Attends licensed home-based family or group care provider						
12-Month Follow-Up	1%	2%	1%	1%	0%	0%
Childcare arrangements: Attends licensed childcare center						
12-Month Follow-Up	8%	5%	9%	6%	5%	5%
Childcare arrangements: Attends Early Head Start or Head Start program						
12-Month Follow-Up	9%	5%	10%	13%	11%	8%
Childcare arrangements: Attends preschool or pre-K						
12-Month Follow-Up	6%	7%	19%	22%	6%	16%
Childcare arrangements: Attends school (Elementary, Middle, or High School)						
12-Month Follow-Up	-18%	10%	7%	19%	-10%	14%
Childcare arrangements: Attends after-school program						
12-Month Follow-Up	-8%	7%	-1%	9%	2%	12%
Childcare arrangements: Other						
12-Month Follow-Up	3%	5%	-1%	7%	6%	5%
How many hours per week does your child receive care (paid or unpaid)?						
12-Month Follow-Up	-15.7	6.8	-10	7.01	-12.46	6.71
Childcare schedule need: Help with children while working from home						
12-Month Follow-Up	0%	6%	-6%	7%	-5%	5%
Childcare schedule need: Childcare during the 9-5 Monday-Friday workday						
12-Month Follow-Up	1%	7%	0%	9%	-6%	7%
Childcare schedule need: Childcare outside of the 9-5 Monday-Friday workday						
12-Month Follow-Up	3%	5%	4%	6%	0%	5%
Childcare schedule need: Variable Schedule						
12-Month Follow-Up	-2%	8%	-10%	9%	-4%	8%
Childcare schedule need: Other						
12-Month Follow-Up	-3%	5%	-3%	6%	-2%	5%
Childcare schedule need: None of the above						

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
12-Month Follow-Up	8%	10%	8%	11%	12%	9%
How easy or difficult has it been to find childcare arrangements (1 = Very easy, 2 = Somewhat easy, 3 = Neutral, 4 = Somewhat difficult, 5 = Very difficult)						
12-Month Follow-Up	0.0	0.2	-0.03	0.31	0.06	0.25
What challenges do you face when accessing childcare? Lack of opening at childcare provider						
12-Month Follow-Up	-5%	4%	-5%	7%	-6%	5%
What challenges do you face when accessing childcare? Lack of high-quality care						
12-Month Follow-Up	-8%	6%	-13%	7%	-6%	7%
What challenges do you face when accessing childcare? Lack of affordable care						
12-Month Follow-Up	3%	9%	10%	11%	5%	9%
What challenges do you face when accessing childcare? Inconvenient location (care was too far away)						
12-Month Follow-Up	-12%	5%	-7%	7%	-10%	6%
What challenges do you face when accessing childcare? Lack of care that accommodates my work schedule						
12-Month Follow-Up	-5%	8%	-1%	8%	-3%	8%
What challenges do you face when accessing childcare? Lack of back-up car, or emergency care, or care for sick kid						
12-Month Follow-Up	10%	7%	12%	8%	14%	7%
What challenges do you face when accessing childcare? My child was too young for programs						
12-Month Follow-Up	-9%	5%	-7%	6%	-10%	6%
What challenges do you face when accessing childcare? Lack of care for a child with special needs						
12-Month Follow-Up	0%	3%	-1%	6%	-1%	3%
What challenges do you face when accessing childcare? Other						
12-Month Follow-Up	8%	8%	7%	12%	2%	9%
How do you feel about the quality of childcare (1 = Very satisfied, 2 = Somewhat satisfied, 3 = Neutral, 4 = Somewhat dissatisfied, 5 = Very dissatisfied)						
12-Month Follow-Up	-0.4	0.2	-0.52	0.24	-0.4	0.22
How much do you current spend per week on childcare for all children in your household?						
12-Month Follow-Up	$13	$25	$17	$23	$3	$22
Over the last month have any of the following happened to you, specifically because of childcare issues? I missed a full day of work						
12-Month Follow-Up	3%	6%	8%	9%	0%	8%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was late for work						
12-Month Follow-Up	5%	8%	8%	10%	4%	9%
Over the last month have any of the following happened to you, specifically because of childcare issues? I left work early						
12-Month Follow-Up	-6%	6%	-4%	10%	-3%	7%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was absent from work during the workday						
12-Month Follow-Up	1%	5%	-1%	5%	-3%	6%
Over the last month have any of the following happened to you, specifically because of childcare issues? I was distracted and less productive at work						
12-Month Follow-Up	1%	4%	3%	5%	3%	4%
Over the last month have any of the following happened to you, specifically because of childcare issues? None of the above						
12-Month Follow-Up	-12%	9%	-16%	14%	-11%	10%
Over the last month how many hours were you absent from work specifically due to childcare issues?						
12-Month Follow-Up	-1.25	2.64	-0.59	3.34	-1.81	2.1
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I was reprimanded						

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
12-Month Follow-Up	-5%	5%	-3%	4%	-6%	4%
Over the last year have any of the following happened to you specifically because of childcare issues? I missed so much time at work I had trouble performing my job duties						
12-Month Follow-Up	3%	5%	3%	4%	4%	4%
Over the last year have any of the following happened to you specifically because of childcare issues? I quit my job						
12-Month Follow-Up	2%	3%	4%	4%	2%	2%
Over the last year have any of the following happened to you specifically because of childcare issues? I was fired from my job						
12-Month Follow-Up	-5%	6%	-6%	6%	-3%	5%
Over the last year have any of the following happened to you specifically because of childcare issues? I was demoted or transferred to a less desirable position						
12-Month Follow-Up	1%	2%	3%	3%	2%	2%
Over the last year have any of the following happened to you specifically because of childcare issues? I was passed over for an opportunity or promotion						
12-Month Follow-Up	-1%	4%	-1%	2%	-1%	3%
Over the last year have any of the following happened to you specifically because of childcare issues? I changed from full-time work to part-time work						
12-Month Follow-Up	1%	4%	3%	4%	2%	4%
Over the last year have any of the following happened to you specifically because of childcare issues? I chose not to change from part-time to full-time work						
12-Month Follow-Up	0%	0%	0%	0%	0%	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined a promotion						
12-Month Follow-Up	0%	0%	0%	0%	0%	0%
Over the last year have any of the following happened to you specifically because of childcare issues? I turned down a job offer						
12-Month Follow-Up	3%	4%	7%	4%	7%	4%
Over the last year have any of the following happened to you specifically because of childcare issues? I declined to pursue further education or training						
12-Month Follow-Up	3%	6%	1%	6%	1%	5%
Over the last year have any of the following happened to you specifically because of childcare issues? Other						
12-Month Follow-Up	1%	3%	3%	3%	2%	2%
Over the last year have any of the following happened to you specifically because of childcare issues? None of the above						
12-Month Follow-Up	0%	10%	-1%	9%	1%	9%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Childcare program on site.						
12-Month Follow-Up	1%	4%	2%	4%	2%	4%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Reserved space at an offsite childcare facility						
12-Month Follow-Up	0%	0%	0%	0%	0%	0%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Financial support to help pay for childcare.						
12-Month Follow-Up	8%	4%	10%	6%	8%	4%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Information on finding childcare						
12-Month Follow-Up	1%	3%	2%	2%	2%	2%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Flexibility and tolerance of childcare needs.						
12-Month Follow-Up	0%	4%	2%	4%	0%	3%
Over the last year have you received any of the following types of support for childcare from an organization that employed you? Other						
12-Month Follow-Up	0%	0%	0%	0%	0%	0%

	MICE		Complete Case (All Controls)		Complete Case (Pretest Outcome Only)	
	Impact	Standard Error	Impact	Impact	Standard Error	Impact
Over the last year have you received any of the following types of support for childcare from an organization that employed you? None of the above						
12-Month Follow-Up	-6%	7%	-12%	7%	-6%	6%
During the past week, has anyone in your household done the following things with your child? Told them a story (does not include reading to this child)						
12-Month Follow-Up	10%	10%	18%	13%	11%	11%
During the past week, has anyone in your household done the following things with your child? Done activities like arts and crafts, coloring, painting, pasting, or using clay with them						
12-Month Follow-Up	-13%	7%	-12%	9%	-4%	9%
During the past week, has anyone in your household done the following things with your child? Played board games or done puzzles with them						
12-Month Follow-Up	-11%	9%	-6%	10%	-3%	9%
During the past week, has anyone in your household done the following things with your child? Worked on a project with them like building, making, or fixing something						
12-Month Follow-Up	-2%	8%	4%	9%	5%	9%
During the past week, has anyone in your household done the following things with your child? Played sports, active games, or exercised together						
12-Month Follow-Up	-15%	8%	-20%	9%	-10%	8%
During the past week, has anyone in your household done the following things with your child? Discussed with them how to manage time						
12-Month Follow-Up	-10%	8%	-19%	12%	-10%	9%
During the past week, has anyone in your household done the following things with your child? Talked with them about their family's history or ethnic heritage						
12-Month Follow-Up	-9%	10%	-10%	12%	-10%	10%