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Public Housing Relocation Of Older Adults In Atlanta: Challenging The Aging In Place Concept.

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ABSTRACT

In 2007 AHA demolished two senior high-rise buildings causing the forcible removal of older African American residents who may have wanted to age in place due to community attachment. Aging in place and community attachment are concepts that describe the strong social-psychological attraction to a specific location among older long-term residents (McAuley 1998). This thesis examines if community attachment differ for residents who were forced to relocate and those who were able to age in place. Using longitudinal data from the GSU Urban Health Initiative, I looked at relocated and non-relocating senior public housing residents’ community attachment as it relates to tenure and distance to needed services pre and post-move to explore if community attachment was influenced. Findings reveal that community attachment and aging in place are more complex than originally realized. Tenure and distances to needed services is only one aspect of unique aging for senior minority residents.

INDEX WORDS: Aging in place, Older adults, Community attachment, Public-housing, Selective optimization with compensation, Section 202 housing
PUBLIC HOUSING RELOCATION OF OLDER ADULTS IN ATLANTA: CHALLENGING
THE AGING IN PLACE CONCEPT

by

Laquanda Jackson

A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of
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PUBLIC HOUSING RELOCATION OF OLDER ADULTS IN ATLANTA: CHALLENGING
THE AGING IN PLACE CONCEPT

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December 2013
DEDICATION

I would like to dedicate this page to my husband, Jack, and my children, Ronald, India, and Jack Jr. I would like to thank them for supporting my educational endeavors and encouraging me to achieve my goals.
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I would like to thank my committee members, Drs. Oakley, Ruel, and Burgess. Their dedication to the field of research and teaching has inspired me. I would also like to thank Drs. Joanne Williams and Henry Khan at Emory University School of Medicine. They supported my educational endeavors while I worked full-time.
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INTRODUCTION

One of the first housing projects was constructed in Atlanta in 1936 under the U.S. Housing Act of 1937 (U.S. Department of Housing and Urban Development [HUD] History 2011). In 1959 the Housing Act was amended to allow funds for senior housing under the Section 202 Program (HUD Multi-family housing 2011) and in 1966, Atlanta built its first Section 202 housing for older residents and disabled adults (AHA 2008). About 4 decades later, public housing projects were typically associated with living in poverty-stricken, crime-infested, inner-city neighborhoods: “public housing is singled out as the most egregious example of how spatial concentration of poverty leads to welfare dependency, sexual promiscuity and crime” (Crump 2002:581). The National Commission on Severely Distressed Public Housing has also stated that public housing is one of the biggest failures of U.S. social welfare policy (Popkin, Levy and Burron 2009).

The perceived failure of public housing has resulted in policies to deconcentrate poverty. The Housing Opportunities for People Everywhere (HOPE VI) project was introduced to deconcentrate poverty, which resulted in the elimination of severely distressed public housing projects across the United States (HUD 2004). HUD has issued, under HOPE VI, 261 revitalization grants covering 133 housing authorities over 34 states including the District of Columbia and Puerto Rico. Between fiscal year 1993 and fiscal year 2005 HUD has awarded grants totaling $6,281,287,817 (HUD HOPE VI Revitalization Grants 2011).

The Atlanta Housing Authority (AHA) was able to obtain HOPE VI monies to begin the elimination and replacement of its housing projects with mixed-income housing (AHA 2004). Using Section 18 of the Housing Act of 1937, the AHA was able to procure approval for the
demolition and disposition of its remaining public housing projects, including two senior high-rise buildings. Section 18 was amended with revision to 34 CFR 970 in October 2006 that detailed the administrative steps required to perform the demolition/disposition and starting in 2007 the AHA started demolishing public housing communities based on the physical deterioration of the complex and the overall deterioration of the surrounding community (Public and Indian Housing, 2011). Two Atlanta Section 202 senior housing buildings (Roosevelt House and Palmer House) were included in the demolition process (AHA Quality of Life 2009). The AHA deemed these two properties for demolition under their Quality of Life Initiative, which stated in their Fiscal Year 2009 CATALYST Implementation Plan that their goal was to relocate families and seniors to “better communities and better neighborhoods” (AHA Moving to Work Plan 2009:10). In addition, AHA’s 2009 Quality of Life Family Impact Fact Sheet stated their goals were “consistent with AHA’s vision of providing eligible families with access to affordable housing, while deconcentrating poverty and building healthy communities with responsible relocation” (AHA Quality of Life 2009:11).

Seniors who have lived in these Section 202 housing projects for an extended period of time may have wanted to remain in place because they saw their home as existing in a homogenous community, safe from the outside world of discrimination. As Rowe (2007) highlighted, the Black community can be seen as a refuge from the malicious realities of living in a stratified society where being Black, poor, and unrepresented is often the case and can lead to difficult lives. Older people in particular, as long-term residents, may be affected by place attachment (Rowles 1983). Place attachment describes the strong social-psychological attraction to a specific location among long-term residents and especially minorities who have been influenced by discrimination and life-limiting chances (McAuley 1998). For older Black people who have experienced severe
discrimination, the community then becomes a safe haven to age in a place that enables coping with physical and mental losses that come with growing older. A recent study on Atlanta housing projects showed that older residents in particular did not want to move: “While 62% of family housing residents wanted to move, only 34% of senior housing residents wanted to and 60% of senior housing residents wanted to fix up their communities versus relocation” (Oakley, Ruel, and Wilson 2009:4).

The need to house the older generation will be the new challenge facing sociologists, gerontologists, urban centers, policy-makers, families, and many others in the upcoming years with the rise in the aging population (Smith 2009). The older population will double by 2050 to 80 million persons aged 65 and older. A significant portion of this growth is due to members of the baby boom generation turning 65 between 2010 and 2030 (Wacker and Roberto 2008). Addressing the housing needs of this expanding older population will be a challenge for future policymakers. Keeping older people healthy and independent can delay institutionalization and thereby result in savings for the state and families (Greene et al. 2007). One way of delaying institutionalization is facilitating aging in place of older adults. A recent study by AARP found that “79% of respondents 50 and over indicated they wanted to remain in their homes as long as possible” (Masotti et al. 2006:7).

Enabling older adults to age in place reduces moves to nursing homes and other institutionalization. Aging in place can help seniors maintain better health, which in turn can result in cost-effective methods to minimize the provision of long-term care (Greene et al. 2007). According to Haley and Gray (2008) the ultimate goal of Section 202 housing with supportive services is to avoid institutionalization and maintain independence. Because older adults in two AHA high-rises were forced to relocate, they were not allowed to age in place and their ability to main-
tain place attachment was disrupted. This study compares the place attachment of older African American residents forced to relocate from two AHA senior high-rise buildings and residents from a third AHA high-rise building who were able to age in place. I will examine whether tenure and distance to needed services affected place attachment for those who relocated in comparison with those who were able to age in place. In this thesis I will use data from the Georgia State University (GSU) Urban Health Initiative from three Atlanta senior high-rise buildings. This study will contribute to understanding housing issues of older adults. Also, the study will contribute to our understanding of place attachment and aging in place for older minority adults living in public housing.

I will briefly give a background on concentrated poverty, HOPE VI and the agenda of de-concentrating poverty, and AHA’s Quality of Life Initiative. Next, I will look at Atlanta’s demolition of Section 202 housing and how this specifically affects its seniors. Atlanta’s older population is changing rapidly and housing and transportation may become an issue as the older population continues to grow: “We need to focus on our housing options, taking inventory of the existing housing for older adults and identify what is missing or Atlanta will not be ready for the increased older population” (Wilson 2011). This issue has larger implications for policy because Atlanta’s demolition of its housing projects is the model being adopted and adapted by larger cities in the United States (Glover 2010). Subsequently, I will explain how place attachment and aging in place are concepts that are being considered because of the new demographic shift in the United States, with seniors becoming the majority of the population. To conclude I will explain the research methods I will use to answer my research question on aging in place and place attachment.
BACKGROUND

How Did We Get Here?

The Federal Housing Administration was created in 1934 under Franklin Roosevelt’s Administration (HUD History 2011). Techwood Homes in Atlanta Georgia, constructed in 1936, was one of the first public housing developments in the United States, and in 1937 the U.S. Housing Act established the public housing program (HUD History 2011). The initial purpose of the first housing projects was to house people recently displaced by the Great Depression of the 1930s (U.S. Housing Act of 1937). Consequently, Atlanta’s Techwood Homes was all White and segregated until 1969 when the Federal Housing Administration and the Veterans Administration guaranteed low homeowner loans to White Americans (Keating 2000). White people started to move from the city into the newly developing suburbs. Of particular importance was the spread of highways into the areas surrounding the cities and almost universal ownership of at least one automobile by White families (Marshall 1979). The result was that White people were now mobile and the White flight movement had begun. Highways were built, and the job suburbanization move began as “distribution of manufacturing, retail, and wholesale jobs moved to the suburbs in order to pay less taxes and operating fees” (Marshall 1979:979). Suburbanization prompted more White Americans to leave the city to be closer to their jobs. Left behind were mostly governmental and corporate jobs to which White Americans commuted from their newly developed suburban home. Because manufacturing and retail jobs left the city, other businesses moved with them to accommodate the new shift to the suburbs.

This sequence of events had a devastating effect in and around U.S. cities’ borders, including Atlanta. African American people across the country were discriminated against and red-
lined so they could not relocate to the suburbs: The Federal Housing Administration and the U.S. Department of Veterans Affairs “contributed significantly to the decline of the inner city by encouraging the selective migration of whites to the suburbs … thus producing social isolation and psychological alienation among inner-city residents [; the] projects became havens for crimes” (Franklin 1997 143:127). Nearly all manufacturing and retail jobs moved, so unemployment was extensive in the city, which resulted in extreme poverty. African Americans in Atlanta and other southern states fared even worse because of Jim Crow Laws that legitimated racist practices. According to Mohl (2001), the discriminatory practices of mortgage bankers and property insures in southern cities, along with the migration of Black people to the urban core, and the move of White people to the suburbs, helped impoverish Atlanta’s inner city with a majority African Americans. The White flight of Atlanta coincided with the policies of the 1960s urban development plan that included new public housing for mostly Black Americans with Bowen Homes opening in 1964 (AHA 2008; Mohl 1991). By 1975 Techwood Homes, was 60% African American people and by 1991 had become 98% African American (Keating 2000). In 1990 the city of Atlanta had 65% of the public housing stock in Georgia with 62% of Blacks living below the poverty level (Bullard, Johnson and Torres 1999). From 1980 to 1990 the job market decreased in Atlanta from 40 to 30% while northern suburbs jobs increased from 40 to 52% with fourteen of the eighteen economic activity centers located north of Atlanta (Bullard et al. 1999). By the mid-1990s the AHA was overseeing the largest number of housing projects per capita in the United States (AHA 2008). Due to budget cuts and discriminatory practices in land siting (Goetz 2003), housing policy circles have deemed public housing as a failure and the cause of social problems such as joblessness, poverty, and crime: “It provided a rationale for far-reaching changes in federal public housing policy, which focuses on the need to deconcentrate poverty via
the demolition of public housing” (Crump 2002:582). The HOPE VI project was initiated to help alleviate poverty by demolishing the public housing projects and replacing them with mixed-income housing to allow for a more positive environment.

**Hope VI and the Goal of Deconcentrating Poverty**

As discussed earlier, the White flight movement, combined with discriminatory housing practices, the movement of jobs to the suburbs, and the urban renewal act, caused public housing to have concentrated poverty, high unemployment, and crime (Franklin 1997; Keating 2000; Marshall 1979; Mohl 2001). Public housing is disproportionately African American and the fault of the government, particularly HUD (Roisman 1999). HUD was created in 1965 under the Housing Act as a cabinet-level agency with its main mission to “create strong, sustainable, inclusive communities and quality affordable homes for all while working to strengthen the housing market to bolster the economy and protect consumers while meeting the need for quality affordable rental homes” (HUD History 2011). HUD has not lived up to its mission but instead has created a “pattern of racial segregation and economic isolation in the existing housing program. … HUD has helped to create and exacerbate conditions of concentrated poverty” (Roisman 1999:172). The blight of public housing developments is the direct result of specific policies and practices of exclusion and disinvestment (Keene and Geronimus 2011).

The Housing and Community Act of 1974 consolidated programs into the Community Development Block Grant program in which Section 8 tenant-based certificates increase low-income tenants’ choice of housing. This Act eliminated the requirement that public housing authorities set income ceilings and evict over-income tenants. The Act was amended in 1981 and required at least 90% of all occupants in public housing to have very low incomes, which further
exacerbated public housing concentrations of poor people (Schill 1993). In response Congress created the Commission on Severely Distressed Public Housing in 1989 to identify the country’s worst public housing projects and consider strategies for addressing the problems caused by concentrated poverty (Schill 1993). From this commission came the Urban Revitalization Demonstration Program, which later became HOPE VI (HUD HOPE IV Program Authority and Funding History 2007).

In 1992 HUD officially launched HOPE VI, which sought to reinvent public housing by demolishing the large, spatially concentrated high-rise developments and replace them with mixed-income housing, thus deconcentrating poverty (Public and Indian Housing 2011). According to the Public and Indian Housing (2011) document (Oakley and Burchfield 2009) the HOPE VI main goals were to:

- Change the physical shape of public housing
- Establish positive incentives for resident self-sufficiency and comprehensive services that empower residents
- Lessen concentrations of poverty by placing public housing in non-poverty neighborhoods and promoting mixed-income communities
- Forge partnerships with other agencies, local governments, nonprofit organizations, and private businesses to leverage support and resources

HOPE VI funds are appropriated through annual funding announcements published in the Federal Register. Public housing agencies can apply to getting funding, and if approved, HUD administers grants for demolition and/or revitalization (HUD 2007). From 1996 to 2003 HUD awarded $395 million for HOPE VI demolition grants for the demolition of 57,000 severely distressed public housing units (HUD 2004). From 1993 to 2010 there were a total of 262 revitaliza-
tion grants awarded totaling approximately $6.2 billion dollars (HUD 2011). Using Title 24 under HUD 971.11, HOPE VI implementation grant revitalization plans include Section 202 senior housing as long as consideration was given to the standards and requirements set by Section 202 housing (24 CFR Ch. IX 1999). Accordingly, the country’s worst public housing would be flattened and replaced with mixed-income housing that allows HUD to mix public, private, and non-profit funds to develop and operate housing developments. New developments may be comprised of a variety of housing types: rental, owned, private, subsidized, and public housing (Mixed Finance Public Housing 2011). Thus, the main goal of HOPE VI was to deconcentrate poverty by eliminating failed public housing projects and replace them with mixed-income housing to allow for a more positive environment. Former residents of housing projects were to emulate their financially stable, working neighborhoods. Previous research has shown that this may not have happened (Greenbaum et al. 2008, Marquis and Ghosh 2008, Pardee and Gotham 2005, Rosenthal 2004.

Pardee and Gotham (2005) looked at New Orleans HOPE VI redevelopment of St. Thomas Public Housing and concluded that of 1,175 mixed-income units, only 176 regular units and 100 off-site units would be available to former St. Thomas residents. The other 900 units would be available for market-rate units, well out of the price range of low-income residents. Also, in Louisville, KY researchers looked at 320 families in the Park DuValle HOPE VI community where 175 surveys were collected from mailings and door-to-door interviews (Brazley and Gilderbloom 2007). The samples of residents from Park DuValle were divided into two groups—relocated public housing residents and non-public housing residents—to see if the HOPE VI program enhanced their quality of life. The analysis concluded that over 80% of the residents of
the new Park DuValle were satisfied with their new residence but less than 5% of the relocated public housing residents were currently living in Park DuValle.

Marquis and Ghosh’s (2008) study of data collected on a longitudinal study of 336 residents of a HOPE VI project slated for demolition and rebuilding, found that only 32 of the original 336 residents moved back into the redeveloped original housing site. They concluded that only a small minority of residents were able to benefit from the HOPE VI project with a new class of very poor being created by non-relocatees. Non-relocatees were also high in Atlanta’s redeveloped Villages of East Lake, where only 79 of the original 428 families returned to the former housing project site (Rosenthal 2004). San Antonio’s former residents fared even worse with only an 8% return rate to all HOPE VI sites as well as Charlotte’s 16% return rate to all HOPE VI sites (Rosenthal 2004). Lastly, researchers of two redeveloped sites in Tampa, Florida found that most of the residents did not return to the redeveloped sites that were designed specifically to contain fewer units, with only a small portion available to low-income families (Greenbaum et al. 2008). Its seems as if the HOPE VI grant is not benefiting former public housing residents because only a small percentage of residents are returning to the redevelopment site.

Where are the former residents going? Researchers have found that some residents are ending up back in areas of segregated poverty (Brazley and Gilderbloom 2007, Fitzpatrick 2000, Goetz 2002, Keene and Geronimus 2011, Kingsley, Johnson and Pettit 2003, Oakley and Burchfield 2009, Popkin et al. 2009).

In a study of 600 families in St. Paul-Minneapolis Minnesota, 618 interviews of a random sample of families were done with a treatment (voluntary) and control (involuntary) group (Goetz 2002). The voluntary group was guaranteed a voucher to a low poverty area with restrictions on where to locate, whereas the involuntary group had a voucher but no restrictions on
where to relocate. Because the involuntary group was not guaranteed a move to a low poverty area, they had to relocate where a landlord would accept them, which was usually in the same neighborhood or other neighborhoods of concentrated poverty (Goetz 2002). The researchers’ analysis showed that 58% of the involuntary participants remained within a 3 mile radius of the site, 87% remained in the central city, and 50% moved to other neighborhoods that were majority African American and/or poverty concentrated (Goetz 2002). Overall, half of the displaced residents moved to other areas of concentrated poverty, whereas the other half moved to areas that were becoming segregated and poorer over time.

Another study used data from the Chicago Housing Authority to look at spatial patterns and neighborhood conditions of voucher housing and how the patterns link to public-housing resident destinations. Using census tracts and community areas with a series of socioeconomic and population characteristics, the study findings showed that a high percentage of former public housing residents moved to the far west and south sides of the city, which, according to the census, are high poverty areas with a large population of minorities. The researchers found that most of the former residents of public housing that were issued vouchers ended back in poor African American neighborhoods (Oakley and Burchfield 2009). This is also the case with the study of the Cotter and Lang Homes, where 1,116 public housing units were demolished. The results indicated that 611 households were relocated back to different public housing sites; 232 households moved to Section 8 housing, 198 households were evicted, and 232 households were considered other (lost data, died, or moved with family) (Brazley and Gilderbloom 2007). The data indicated that the majority of public housing residents relocated by the HOPE VI project failed to experience increased opportunity and remained in concentrated poverty: “HOPE VI seemed to
have serve the needs of the non-public housing residents only so who is it really helping?” (Brazley and Gilderbloom 2007:438).

Kingsley et al. (2003) used the HUD information system to examine the spatial pattern of Section 8 recipients (4,288 households) relocated from 73 HOPE VI developments sites in 48 cities. They found that the majority of relocatees do move to lower (not significant) poverty areas, but racial concentration is still high with significant clustering in most cities. Keene and Geronimus (2011) used data from the Urban Institute to look at post-relocated outcomes among a sample of 818 households from 8 HOPE VI sites over a course of 2–7 years after relocation; they concluded that relocated residents “have experienced few improvements to the living conditions and economic realities that are likely sources of stress and illness” (430). This was also the case for two relocation sites in Tampa, Florida. The study found that even though relocatees moved to lower poverty areas, it did not enhance the social capital for former public housing residents and diminished social networks that usually aid with life circumstances (Greenbaum et al. 2008).

Fitzpatrick (2000) looked at two case studies in evaluating the HOPE VI projects: the King Kennedy and Outhwaite Homes in Cleveland, and the Clark Howell and Techwood Homes in Atlanta, GA. Fitzpatrick’s conclusions were that although the Cleveland sites used HOPE VI funding to renovate with a strong reliance on resident services, the Atlanta sites used the HOPE VI funds to “crush resident opposition” (442) to the fact that only 360 public housing units would be available for former public housing residents. Close to 500 remaining families would not have any assistance with housing, which creates more overcrowding low-rent housing markets. As a final point, new evidence from the HOPE VI Panel Study found that there have been positive benefits for those HOPE VI relocatees who have moved back into the redeveloped site or to low-poverty areas, but those numbers are relatively low. The ones that moved with a Sec-
tion 8 voucher moved back to predominately African American neighborhoods, with those moving back to traditional public housing experiencing no positive changes (Popkin et al. 2009).

The research shows that the HOPE VI project may not be deconcentrating poverty as prescribed in its doctrines. The majority of residents does not move back into the redevelopment sites but instead move to other poor segregated neighborhoods. Duryea (2006) citing Popkin, who testified before Congress in 2009, indicated that 60% of the original residents of public housing who were permanently displaced by the HOPE VI redevelopment relocated to other high-poverty areas.

Thus, moving the residents out of the housing projects only to relocate them in other areas of concentrated poverty is clearly not improving their lives and some research has suggested that older people who relocate fare even worse (Colello 2007; Ormond et al. 2004). In 2003, Congress reauthorized HOPE VI to include the Government Accountability Office report on severely distressed public housing for seniors (GAO-06-163, 2005). In that report they acknowledged that 2% (76 developments) of the public senior housing stock were severely distressed, with only half of that (1%) was being demolished and renovated. There is little research to date on public housing and the relocation process of elders. Atlanta is unique in this aspect, but seeing that 60% of senior housing residents in the Atlanta study wanted to fix up their communities rather than relocate (Oakley et al. 2009), should the alternative of aging in place have been considered when decisions are being made to demolish and relocate people?

**Senior Public Housing**

In 1937 The U.S. Housing Act enabled states to provide low-income housing and in 1959 it was amended to allow funds for senior housing:
The Section 202 program under the Housing Act of 1959 helps expand the supply of affordable housing with supportive services for the elderly … providing very low-income elderly with options that allow them to live independently but in an environment that provides support activities (HUD Section 202 Housing for the Elderly 2011).

Eligibility is based on age, 62 and older, and very low income, which is generally defined as equal to 50% of the area median income and adjusted for household size (Section 202 Housing for the Elderly 2011). Section 202 was amended in 1990 under the Cranston-Gonzales National Affordable Housing Act to include Section 811 which allows persons with disabilities to move into Section 202 housing (HUD Section 811 Supportive Housing for Person with Disabilities Program). The goal of Section 202 for the elderly is not only to house low income older adults but to provide “a range of supportive services that are tailored to the needs of the elderly persons occupying each housing unit” (Haley and Gray 2008:15). Between 1959 and 1974 there were 335 Section 202 projects built that catered mostly to moderate-income older individuals, but starting in 1974 the Housing Act defined qualified residents as those at or below 80 percent of the local median income (Haley and Gray 2008). Therefore, from 1975–1980 households with very low income were eligible for housing, with 91,000 more units being built. Between 1981 and 1990, federal cuts to housing programs eliminated funding for amenities and improvements to Section 202 housing (Haley and Gray 2008). Due to these severe maintenance cuts in the budget, some Section 202 housing suffered from physical deterioration including failure of mechanical systems, obsolete buildings, high-vacancy rates, and cuts to other social services in the name of cost containment (Cavanaugh 2010; Haley and Gray 2008). In the 1990s Congress and HUD moderated the cost-containment phrase, but funding for new Section 202 housing was still
reduced; 148 units were built before 1974 as compared to only 50 units in 1994 (Haley and Gray 2008).

In Atlanta three senior high-rise buildings were built between 1966 and 1985, based on the prescribed doctrines of Section 202 of the Housing Act: Palmer House (1966), Roosevelt House (1973), and Cosby Spears (1985); AHA 2004). Due to the cost-containment phrase in the 1980s, all three Section 202 housing units suffered maintenance neglect (AHA 2009; Haley and Gray 2008). Using Section 18 under the Housing Act of 1937 along with Title 24 under the HUD 971.11 revitalization grant (U.S. Housing Act, 24 CFR Ch. IX 1999), the AHA put Roosevelt and Palmer House under their Quality of Life Initiative, which states in their vision to deconcentrate poverty while building healthy communities (AHA Moving to Work Plan 2009) thereby slating Palmer and Roosevelt House for demolition, with Cosby Spears only slated for renovation.

In 2004 the total housing stock for Atlanta senior high-rise buildings, including Cosby Spears, Palmer House, and Roosevelt House, was 3,016 units, with 81% African-Americans, 18% White, and 1% Asians (AHA 2004). Ninety-five percent of senior high-rise residents earned below the 80% Area Median Income level (AHA 2004). The occupancy rate in 2004 for Cosby Spears was 99% with Palmer and Roosevelt House having 100% occupancy (AHA 2004). According to work order responses, 100% of emergencies were abated in under 24 hours for all three senior buildings, with non-emergency orders being completed at Cosby Spears and Roosevelt House in about a day, and Palmer House work orders being completed in half a day (AHA 2004). This documentation (AHA 2004) shows that client services based on housing needs were being met at all three buildings.
AHA committed itself to “long-term self-sufficiency for its residents as a high priority” (AHA Moving to Work Annual Report 2004:7) so client services for seniors have been offered to serve the older population in public housing communities. The Senior Disability Services Programs, Services for Seniors, and Quality Living Services, are services offered to seniors who are Section 202 housing residents; these include laundry and housekeeping, transportation, prescription services, and home health care. These services hail from federal housing Section 202 and AHA doctrines on independent living for seniors; essentially, aging in place.

In fiscal year 2012, HUD is requesting $757 million for Section 202 housing with supportive services, which include expansion activities, service coordinators, and conversion to assisted living (Fiscal Year 2012 Program 2011). These monies are specified for seniors to age in place. According to Haley and Gray (2008), most residents of Section 202 housing prefer to age in place and it is also cost effective; in 2004 a nursing-home stay cost Medicaid 49,000 on average, compared to Section 202 housing with supportive services (food, transportation, and housekeeping) that only cost about 13,000 on average. They also measured tenant age and length of stay over an 8-year period for those 75 and older and found that Section 202 residents are able to age in place successfully (Haley and Gray 2008).

As mentioned earlier, Atlanta is unique in its demolition of its Section 202 housing (only 1% of HUD’s Section 202 housing stock has been slated for demolition) so research is limited in this field, but Keene and Geronimus (2011) did in-depth interviews with Atlanta relocated public-housing residents and found that the older residents experienced loss of social ties and networks that brought on depression, loss, grieving, and in some cases death. Also, researchers conducted qualitative analysis of older residents of the five New York boroughs that were being displaced because of gentrification and found that older people in particular tried to negotiate ways
to stay in their neighborhood: “Elderly people occupying their apartments for decades are finding it difficult to age in place due to gentrification … some are doubling up, living in substandard housing, or fighting to keep their rent control” (Newman and Wyly 2006:46). In another 2002 study (Lees 2003), qualitative in-depth interviews were conducted with residents living in Brooklyn Heights, New York, where gentrification was taking place. The researcher found that long-term older residents in particular tended to celebrate their close-knit community and resisted relocation fiercely (Lees 2003). Lastly, researchers from GSU examined sense of place among 290 Atlanta public-housing residents before relocation and found that senior housing residents expressed greater place attachment, with 87% feeling that they are in a place that was their home, and 83% saying it is important to them (Tester et al. 2011).

Considering that Section 202 housing includes in its doctrines supportive services for aging in place to avoid institutionalization, should aging in place be considered an option, instead of AHA’s quality-of-life initiative with the main goal to increase quality of life by deconcentrating poverty and building healthy communities by demolition and relocation? In the next section I will explore place attachment and aging in place and their applicability to the issues addressed in this thesis in regard to relocation.

CONCEPTUAL FRAMEWORK

Aging In Place and Place Attachment

Successful aging in place programs minimize the provision of inappropriate care, and promote independent living by offering flexible services that meet the needs of the individual (Lawler 2001). In a study on older individuals living in deprived neighborhoods in England and Canada, researchers found that the majority of participants wanted to remain in place and fix up
their neighborhood rather than move (Smith 2009). Aging in place is related to place attachment. Smith also found that physical attachment, place attachment, and social attachment facilitated successful aging for persons aging in place compared to those who relocated. In addition, Smith found that an older person knowing their physical environment to access needed services and social networks contributed to high place attachment.

McAuley (1998) conducted nine in-depth interviews with Black older people aged 61-91 in Oklahoma to investigate place attachment and aging in place as positive factors for successful aging. Findings show that older Blacks are especially keen on sense of place because of the historical context of discrimination in the United States. He concluded that not only do older African-Americans view their ethnic homogenous place as a safe haven, but they see it as a sense of self. This sense of self helps in coping with transitions that come with aging. A sense of self for older people is incorporated into their neighborhoods as well as their individual home, as with the six-case study of marginalized neighborhoods in Europe (Corcoran 2002). Older people displayed a strong sense of emotional rootedness to their neighborhood when urban renewal and displacement were happening; “A threat posed to an individual’s sense of place is perceived as a threat to their self-identity and this is especially concerning for older people that have a history with the community that is a symbolic extension of themselves” (Corcoran 2002:55). The GSU Urban Health Initiative in Atlanta further expands on this theory of place attachment by interviewing the older residents in Atlanta housing projects where the majority of the seniors wanted to remain in place. To move, the seniors had to break social ties and be farther away from needed services (Oakley et al. 2009).

Familiarity and emotional attachments to a place helps with the transitions that naturally occur when a person grows older. Ekstrom (1994) examined three neighborhoods in Sweden
where older residents were relocated due to urban renewal. The relocation process, along with leaving their long-time home and community, caused extreme stress, anxiety, sometimes sickness, and in one case even death. The thought of leaving their home where they had lived for many years was quite emotional for senior residents: “It meant they were separated from their home and thereby also part of their personal history and identity” (Estrom 1994:380). Also a year-long longitudinal study was conducted using in-depth qualitative interviews on 10 older people in a supportive housing building to show that aging in place leads to independence, sense of self, and negotiating physical decline (Kontos 1998). Kontos concluded that the significance of home is so important that seniors go to great lengths to avoid moving. Independence and social support were the responses most respondents gave for wanting to age in place. In sum, Smith’s (2009) examination of urban living and aging found the following:

For older people who have invested all or a substantial part of their lives in one location the continued development of a sense of community identity and attachment in any form might be important for psychological well-being especially for those who have lived in urban areas and challenged negative perceptions of the area. (2009:21)

**Aging in Place and Place Attachment for Older Minorities**

As mentioned previously, aging in place for minority residents is especially important when considering the discriminatory experiences throughout their life course. Skinner (1992) examined older African Americans and the factors related to their ability to age in place. Findings indicated that because older minorities had restrictions on where they could live, they were more likely to form an attachment to place where they rely on co-residence and informal caregiving, along with social networks and ties. Older residents, in particular, perceive the projects as a
safety net from the outside world of discrimination. Manzo, Kleit and Counc (2008) inter-
viewed residents of public housing in the Pacific Northwest before they were displaced and
found that older residents, in particular, had formed place attachments because they were manag-
ing day-to-day life with limited resources.

Even limited resources did not account for lower social capital among public housing res-
idents. Social capital concerns the resources available through social networks and relationships
based on trust, shared norms, and reciprocity (Curley 2010). Ajrouch, Antonucci and Janevic
(2001) defined social capital as “a source of help in time of trouble, a source of comfort in times
of pain, and a source of information in time of need” (112). In a study examining social capital
among low-income relocated residents of Maverick Gardens in Boston, MA, the author found
that social capital among those who relocated to mixed-income neighborhoods was lower than
for those who remained in public housing. Neighborhood resources and place attachment was the
biggest predictor of social capital (Curley 2010). Also, Long and Perkins (2007) looked at so-
cial capital as a predictor of community and place attachment and found that community cohе-
siveness, place attachment, and sense of community among older Black minorities were more
significant than for rich or poor Whites. Social capital for older minorities living in public hous-
ing is essential to place attachment and aging in place, even if the resources are limited.

Furthermore, to expand on the concept of unique aging situation for African Americans,
the sense of home and place attachment is not synonymous with home ownership. Due to a lega-
cy of discrimination, older African Americans were often barred from home ownership, and thus
their attachment to place is based on community rather than ownership. Qualitative data on back-
to-the-land rural communes in Southern Colorado in which residents do not own their homes,
showed that the majority of residents considered their community their home and had formed
place attachments: “Participants described a deep emotional connection and a sense of home when describing their attachment. … Place attachment was not inhibited by the fact that participants are not homeowners” (Windsong 2009:212). Gillear, Hyde and Higgs’s (2007) research on a longitudinal study of older residents in England found that the association between area deprivation and attachment to place was not a factor and did not negatively impact personal well-being; place attachment was strongest among older people in poor areas as well as older people in affluent areas. Attachment to place and perceived well-being have more to do with spending living the same place for long periods of time rather than wealth and ownership (Gillear et al. 2007:597).

Aging in place is especially important for older African Americans to maintain social ties and access to community programs. For many generations, informal social networks have sustained the Black community traditionally isolated from formal services. Dependence on social networks and fictive kin has been essential in the survival of Black families through the decades. Disrupting these networks can be extremely hard in maintaining everyday functioning: “Women, children, and older people are the most vulnerable to the loss of social networks ruptured by displacement” (Duryea 2006:586). In the Manzo et al. (2008) study of the public housing projects before relocation, residents’ attachment to place was the single most influential factor in their reaction to relocation: “First, and most fundamentally, social ties and neighboring activities provided a sense of belonging by offering friendship and companionship” (2008:1867). Perez, Fernandez-Mayoralas and Abuin (2001) came to the same conclusion when their findings showed that the highest scoring issue with older residents 65–85 was relationships with neighbors. They concluded that close relations with neighbors is what ties seniors to their living environment, which makes them reluctant to relocate.
Social ties and networks are so important that qualitative interviews of post Katrina evacuees showed that the main reason residents of the ninth ward wanted to return was because of “a combination of interlocking elements, including thickly woven social networks based on friends, family, neighbors, and church membership” (Chamlee-Wright and Storr 2009:623) and “ninth ward residents grow out of their social networks of family and friends and reinforces their attachment to their neighborhoods” (Chamlee-Wright and Storr 2009:624). In Curley’s (2010) study on Boston HOPE VI residents, African Americans scored strongest on social ties related to relationships in everyday interactions and this correlated with place attachment. Long and Perkins (2007) also came to this conclusion in their study of five neighborhoods in Brooklyn and Queens, New York. Their findings indicated that sense of community is inextricably bound to social ties with neighbors and fictive kin, place attachment, and community confidence and satisfaction. In addition, in a study of gentrifying neighborhoods in Harlem and Brooklyn New York, researchers found that most older residents who had been living there for decades were having the greatest problems with breaking social networks (Newman and Wyly 2006).

To expand on this, Cleak and Howe (2003) looked at older residents in two low-income public housings in Harlem to assess social networks and support. Their findings indicated that older minorities with social networks (formal and informal) in the community had “better psychological outcomes and used significantly more informal supports when needed” (Cleak and Howe 2003:19). Lastly, Johnson and Barer (1990) found that Blacks have a larger kinship system that includes extensive friendships and associational networks than do Whites. Due to the hardships of living in the inner city, older Black people come to rely on social networks and fictive kin for financial and emotional support. Likewise, Taylor (2001) found that older African
Americans are able to have a positive self-image about their sense of place and well-being because of their cultural and historical ties among their group, which makes aging in place idyllic.

**Aging in Place, Place Attachment, and Mental and Physical Losses: The Concept of Selective Optimization with Compensation**

Aging in place and place attachment also help cope with mental and physical losses that naturally occur with aging. Familiarity with one’s home and neighborhood allows for independence where selective optimization with compensation can be used more effectively. Selection refers to the restrictions placed on aging from micro- or macro-structures; compensation is accommodating for those restrictions; and optimization is making life function to adapt to those accommodations. For example, if an older person could not see well they could still negotiate their house in the face of that loss and maintain some independence. He/she would compensate for the loss of their eyesight by optimizing the familiarity associated with their home and social services in order to still function independently. Baltes (1996) theorized that selection optimization with compensation is a prescription for adapting to age changes while working to optimize performance in those areas affected by age (eyesight, hearing, mobility), and using external aids (glasses, hearing aid, social services) to compensate for losses.

Selective optimization with compensation is a meta-model for successful aging that comes with simultaneous losses (Baltes and Carstensen 1996). For example, an older person that still drives a car is successful aging but he/she can only drive during daylight hours (simultaneous losses) because of poor eyesight. Another example is, an older person is having trouble getting around due to increased health issues but is able to compensate by his/her familiarity with the neighborhood stores, bus routes, and senior services. The older person is able to optimize by
combining trips to the grocery store with medical appointments. This is an illustration of selection (make less trips), optimization (by combining grocery store shopping and medical appointments), and compensation (maintaining health and independence). As individuals deal with losses that naturally come with human aging, they have to maximize the gains (select and optimize) and minimize the losses (compensate). This model would be more effective if an older person was familiar and comfortable with their home and location, and this can be accomplished by aging in place. Most of the residents in the Manzo et al. (2008) study, especially the aged and disabled, did not want to move out of the housing projects because it “helped them meet their basic needs” (2008:1866), described as grocery shopping and medical appointments through the social services available in their neighborhood. Having access to needed services to perform selective optimization without compensation is essential to aging in place and place attachment. Ability to access needed services, such as healthcare and groceries, helps older people maintain their independence. The Perez et al. (2001) survey of 1,148 older residents aged 65–84 living in Madrid in low income areas found that higher neighborhood satisfaction and place attachment were correlated with ease of reaching neighborhood services. The older residents correlated the ease of reaching neighborhood services with control over decisions as they age.

Being able to maneuver neighborhood resources is crucial to aging in place for poor older minorities because of restrictions placed on their life from micro- and macro- structures. Peace, Holland and Kellaher (2005) found that poor older people were particularly attached to their environment especially when they started to decline in their competence. They relied greatly on maneuvering their physical and social world, based on their familiarity with it, to maintain some form of independence (Peace et al. 2005; Peace, Holland and Kellaher 2006). Lastly, greater overall well-being is systematically associated with attachment to place, as found in the Gilleard
et al. (2007) study of place attachment and aging in place. Growing old while surrounded by the security of a physical space, along with close family and friends, allows for selective optimization with compensation. Moving an older person from a home with which they have become familiar disrupts their independence and increases their dependency. Familiarity with one’s home and community assist an older adult in overcoming limitations posed by weakening physiological, physical, and sensory conditions as a result of natural aging (Greene et. al. 2007). Being able to perform selective optimization with compensation effectively is based on having access to needed services.

Lastly it is important to note that GSU Urban Health Initiative (2011) findings indicated that older adults’ main reason for choosing their place was the convenience of location for public transportation to get to their healthcare providers quickly and easily; this access allows for independence where selective optimization with compensation can be used more effectively.

Allowing for older residents to age in place could have been an alternative to displacement of the senior residents from Palmer and Roosevelt Houses. Using the concepts of aging in place, place attachment and selective optimization through compensation, this project seeks to better understand the experience of older adults in public housing. Due to their sense of place as their self-identity, aging in place could help older minorities maintain some form of independence while relying on social networks to maintain overall well-being.

**RESEARCH DESIGN AND METHODS**

Place attachment is an affective bond between people and places and is related to community attachment. Community attachment denotes a sense of unity “a feeling of being socially a part of one’s neighborhood or community, and a sense of rootedness, or attachment to a physical
community or neighborhood” (Tester et al., 2011:438). Community attachment and place attachment characterize an overall sense of place in the community or neighborhood. The main research question in this thesis is: Is there a difference in community attachment for tenure and distance to needed services for African American residents of senior high-rise buildings who were forced to relocate and those who were able to age in place? In order to address this question, I conducted a secondary data analysis of data from the Georgia State University Urban Health Initiative (UHI) collected from two senior high-rise buildings that were demolished (Palmer and Roosevelt) and one senior high rise that remained open (Cosby Spears). My hypotheses are stated below.

Hypothesis 1: At baseline, longer tenure in senior public housing is associated with greater community attachment for all three groups (Palmer, Roosevelt, and Cosby Spears).

Hypothesis 2: After relocation Palmer and Roosevelt senior public housing residents will be associated with lower community attachment than Cosby Spears residents, due to shorter tenure.

Hypothesis 3: At baseline, proximity to needed services will be associated with greater community attachment for all three groups in senior public housing.

Hypothesis 4: After relocation, Palmer and Roosevelt senior public housing residents will be associated with lower community attachment than Cosby Spears residents, due to greater distances from needed services.

Data

The UHI followed residents from four communities and three senior high-rise buildings. They collected data from four public-housing developments and three senior high-rise buildings
using a disproportionate stratified sample. Their overall goal was to document residents’ experiences before and after the relocation process, as well as assess residential, socioeconomic, and health outcomes (UHI 2011).

In 2008, UHI researchers interviewed a sample of traditional project-based public housing residents prior to their relocation. The intention was to track and interview respondents repeatedly over the next 2 years. The sampling frame used was a list of occupied units in the six relocating and one non-relocating (Cosby Spears) senior public-housing developments. From the sampling frame they randomly sampled 72 housing units and an additional 10 alternative housing units to adjust for the possibility that some residents had moved. They intended to achieve a disproportionate random sample of 426 participants with equal numbers from each housing project. They only received a 49% response rate and thus opened the study to volunteers (Ruel, Oakley, Ward, & Alston, 2012). Their final sample was 223 randomly chosen respondents and 159 non-randomly chosen respondents. This is a major limitation of the study because non-random sampling can create sampling bias and is not representative of the entire population. To compensate, they tested the differences between the random and non-random portions of the sample on all variables and found no significant differences (Ruel et al., 2012). They also created sampling weights to adjust for the complex sampling design. The first initial contact with housing residents was through a recruitment letter delivered by U.S. mail or in person. Next, face-to-face computer-assisted interviews were conducted at the public-housing complex, Georgia State University campus, or a neutral location.

The researchers interviewed residents again, 6 to 24 months after relocation in 2009 and in 2011–12 with an 86% response rate. They could not locate 8% of former public-housing residents and 6% of former public-housing residents had died (UHI 2011). The researchers’ 6 month
post-relocation results revealed several findings. They found a pattern of poverty re-
concentration with residents moving to only 88 census tracts of 660 tracts in the Metro-Atlanta
region, with 68 of those census tracks within the city limits: “this is a re-concentration destina-
tion pattern rather than one of dispersion” (UHI, 2011, p. 5). In addition, although former resi-
dents moved to areas of lower crime and poverty, it was not a significant improvement because
they are still poor and segregated, just not as poor as they were when living in their former pub-
lic-housing community.

Constructs

Dependent variable. Community attachment was measured at Wave 1 (pre-move) and
Wave 2 (post-move), using an index scale from the UHI survey, shown in Table 1. Six questions
from the survey assess the level of agreement about community attachment:

1. When I’m in my neighborhood I feel I’m in a place that is my home;
2. When I’m in my neighborhood I feel I’m in a place that holds a lot of meaning to me;
3. When I’m in my neighborhood I feel I’m in a place where I belong;
4. When I’m in my neighborhood I feel I’m in a place that I’d miss if I had to leave;
5. When I’m in my neighborhood I feel I’m in a place that I’m proud of;
6. When I’m in my neighborhood I feel I’m in a place that’s important to me.

The response categories were: 1 = strongly disagree, 2 = disagree, 3 = no opinion, 4 = agree,
5 = strongly agree, 7 = don’t know, 8 = refuse to answer (see Appendices A and B). I constructed
an index scale by summing the six questions to assess community attachment. Higher value on
the scale can be interpreted as greater community attachment. The community attachment index
scale has a Cronbach’s alpha of .886, which is considered an excellent degree of internal con-
stency (Yockey 2011). Using the community attachment index scale I created new variables called CommAttach1 for Wave 1 (pre-move) and CommAttach2 for Wave 2 (post-move). The CommAttach1 and CommAttach2 variables were measured using an interval level ranging from 6 = strongly disagree to 30 = strongly agree. Higher value on the scale can be interpreted as greater community attachment.

Table 1. Community Attachment Construct

<table>
<thead>
<tr>
<th>Questionnaire</th>
<th>Baseline variable name</th>
<th>Post relocation variable name</th>
<th>Community attachment scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. When I’m in my neighborhood I feel I’m in a place that is my home. Do you…</td>
<td>2aw1</td>
<td>Q9</td>
<td>6–10 = Strongly Disagree</td>
</tr>
<tr>
<td>2. When I’m in my neighborhood I feel I’m in a place that holds a lot of meaning to me. Do you…</td>
<td>2bw1</td>
<td>Q10</td>
<td>11–15 = Disagree</td>
</tr>
<tr>
<td>3. When I’m in my neighborhood I feel I’m in a place where I belong. Do you…</td>
<td>2cw1</td>
<td>Q11</td>
<td>16–20 = no Opinion</td>
</tr>
<tr>
<td>4. When I’m in my neighborhood I feel I’m in a place that I’d miss if I had to leave. Do you…</td>
<td>2dw1</td>
<td>Q12</td>
<td>21–25 = Agree</td>
</tr>
<tr>
<td>5. When I’m in my neighborhood I feel I’m in a place that I’m proud of. Do you…</td>
<td>2ew1</td>
<td>Q13</td>
<td>26–30 = Strongly Agree</td>
</tr>
<tr>
<td>6. When I’m in my neighborhood I feel I’m in a place that’s important to me. Do you…</td>
<td>2fw1</td>
<td>Q14</td>
<td></td>
</tr>
</tbody>
</table>

**Independent variables.**

**Independent variable: Distance.** Distance to needed was measured at for Wave 1 (pre-move) and Wave 2 (post-move), using an index scale from the UHI survey, shown in Table 2. Four questions assess distance to needed services:

1. How long does it take you to get to the nearest bus or Metropolitan Atlanta Rapid Transit Authority (MARTA) station?
2. How long does it take you to get to the grocery store?
3. How long does it take you to get to your doctor or the place where you most often get health care?
4. How long does it take you to get to your church (or temple)?

The response categories are: 1 = less than 15 minutes, 2 = 15–30 minutes, 3 = 31–45 minutes, 4 = 46 minutes to an hour, 5 = more than an hour, 7 = don’t know, 8 = refuse to answer (see Appendices A and B). I constructed an index scale by summing the four questions to assess distance to needed services with lesser value indicating greater community attachment. The distance to needed services index scale has a Cronbach’s alpha of .635, which is considered a moderate degree of internal consistency (Yockey 2011). Using the index scale I created for “distance from needed services,” I created a new variable called Distance 1 for Wave 1 (pre-move) and Distance 2 for Wave 2 (post-move). The Distance 1 and Distance 2 variables were measured using an interval-ratio level where 4 = less than 15 minutes and 25 = more than an hour. Lesser value indicates greater community attachment.

<table>
<thead>
<tr>
<th>Questionnaire</th>
<th>Baseline variable name</th>
<th>Post relocation variable name</th>
<th>Distance to needed services index scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. How long does it take you to get to the nearest bus or MARTA station?</td>
<td>46</td>
<td>Q112</td>
<td>4–5 = Less than 15 min</td>
</tr>
<tr>
<td>2. How long does it take you to get to the grocery store?</td>
<td>48</td>
<td>Q114</td>
<td>6–10 = 15–30 min</td>
</tr>
<tr>
<td>3. How long does it take you to get to your doctor or the place where you most often get health care?</td>
<td>49</td>
<td>Q115</td>
<td>11–15 = 31–45 min</td>
</tr>
<tr>
<td>4. How long does it take you to get to the church (or temple)</td>
<td>50</td>
<td>Q116</td>
<td>16–20 = 46 min to 1 hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>21–25 = more than 1 hour</td>
</tr>
</tbody>
</table>

*Note. MARTA = Metropolitan Atlanta Rapid Transit Authority.*

*Independent variable: HowLongLive.* My second independent variable is public-housing tenure; for this variable I extracted information using the UHI survey (see Appendix A). Question 8 of the survey asks “How long have you lived in your current home?” I recoded Question 8
and created a new variable called HowLongLive. The HowLongLive variable was measured using a continuous-level variable ranging from 1 to 99 years.

**Control variables.** I controlled for prior or intervening variables that could have an effect on the outcome of the dependent variable, therefore my control variables are Age, Income, and Health status. A person’s age, income, and health status may affect their community attachment and their desire to age in place.

**Control variable: Age.** My first control variable is age and I extracted that information using the UHI survey (see Appendix A). Question 25 of the survey asks “In what year were you born?” The age variable was measured using a continuous-level variable ranging from 19 to 99 years old.

**Control variable: Income.** My second control variable is income and I extracted that information using the criteria from the UHI survey. Question 43 of the survey asks “Is your total monthly income (before taxes)…? (including earnings, SSI, child support, public assistance, and any other sources of money) (Choose one). The response variables were 01 = less than $250, 02 = between $250 and $499, 03 = between $500 and $749, 04 = between $750 and $999, 05 = between $1,000 and $1,249, 06 = between $1,250 and $1,499, 07 = between $1,500 and $1,999, 08 = between $2,000 and $2,499, 09 = between $2,500 and $2,999, 10 = more than $3,000, 777 = don’t know, and 888 = refuse to answer. I recode Question 43 and created a new variable called INCOME. The INCOME variable was measured using a continuous-level variable ranging from $250 to $3,000.

**Control variable: Health.** My third control variable is health status and I extracted that information using criteria from the UHI survey. Question 51 of the survey asks, “Would you say your health is excellent, very good, good, fair, or poor? (Choose one). The response variables
were 1 = excellent, 2 = very good, 3 = good, 4 = fair, and 5 = poor. I recoded excellent, very
good, and good into Good Health, and fair and poor into Fair or Poor Health. I recoded this vari-
able into a dichotomous dummy variable where Good Health equals 0 and Fair or Poor Health
equals 1 (see Table 3).

### Table 3. Variables

<table>
<thead>
<tr>
<th>Variables</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dependent Variable</strong></td>
<td></td>
</tr>
<tr>
<td>CommAttach1 = Community Attachment pre-move</td>
<td>6 = strongly disagree</td>
</tr>
<tr>
<td>CommAttach2 = Community Attachment post-move</td>
<td>30 = strongly agree</td>
</tr>
<tr>
<td><strong>Independent Variables</strong></td>
<td></td>
</tr>
<tr>
<td>Distance1 = Distance to services pre-move</td>
<td>4–5 = less than 25 minutes</td>
</tr>
<tr>
<td>Distance2 = Distance to services post-move</td>
<td>6–10 = 15–30 minutes</td>
</tr>
<tr>
<td></td>
<td>11–15 = 31–45 minutes</td>
</tr>
<tr>
<td></td>
<td>16–20 = 46 minutes to 1 hour</td>
</tr>
<tr>
<td></td>
<td>21–25 = more than 1 hour</td>
</tr>
<tr>
<td>HowLongLive = Tenure</td>
<td>Continuous level variable (1-99 years)</td>
</tr>
<tr>
<td><strong>Control Variables</strong></td>
<td></td>
</tr>
<tr>
<td>Age</td>
<td>Continuous level variable (19-99 years old)</td>
</tr>
<tr>
<td>Income</td>
<td>Continuous level variable ($250-$3,000)</td>
</tr>
<tr>
<td>Health</td>
<td>0 = Good Health &amp; 1 = Fair or Poor Health</td>
</tr>
</tbody>
</table>

### Data Analysis

I analyzed the collected data using three steps. The first step is to use univariate analysis
to describe all the variables. I created a frequency distribution for the dependent variable, each
independent variable, and control variables to describe their shape, center, and spread and assess
degree of normality, skewness, or kurtosis. In addition, measuring the center of the distribution is
performed by examining the mean and median of each variable to analyze averages. Last, the
spread of the distribution describes the range, variance, and standard deviation. The range gives
the highest and lowest point of each variable, the variance averages the squared distances from the mean, and the standard deviation gives the dispersion of the data from the mean. The frequency distribution has all possible values for the variables with the number of observations in each interval. Using this analysis will help garner information to make sure variable measurements meet the assumptions of ordinary least squares (OLS). Descriptive analysis was used to summarize, explore, and describe data using graphical and numerical techniques (Agresti & Finlay, 1999).

For the second step I used analysis of variance (ANOVA) to test for bivariate associations and for any significant difference between the means of two or more groups, also known as a hypothesis test. A hypothesis test consists of a null hypothesis and an alternative hypothesis. The null hypothesis assumes the distribution is normal: “The greater the variability between the sample means and the smaller the variability within each group of sample observations, the stronger the evidence that the null hypothesis of equal means is false” (Agresti & Finlay 1999, 439). If any of the observations from the groups indicate a significant difference, then the null hypothesis would be rejected, indicating that some observation mean is different from others. I used an ANOVA to test the significance of the variation of the means between and within my variables, to compare whether mean scores are the same among groups, and looked at the variable mean scores over two points in time (pre- and post-move).

For my third step I used OLS regression to generate regression estimates. I used OLS regression to test my hypotheses on a prediction of my variables. OLS regression is the technique used to measure independent and dependent variables when estimating the probability of a prediction. In addition, OLS focuses on reducing the sum of all residuals, which is the difference between the observed and predicted values of the response variables (Agresti & Finlay 1999).
Last, OLS is used when the dependent and independent variables are interval/ratio and assume a causal relationship.

**Ordinary Least Squares—Models**

For Hypotheses 1 and 3, I regressed community attachment as a function of tenure and as a function of distance to needed services in my first model. I regressed the dependent variable \( y = \text{CommAttach1} \) against the independent variables (\( \text{HowLongLive} \) and \( \text{Distance1} \)) to see if my hypotheses are correct that for all three groups (Palmer, Roosevelt, and Cosby Spears) longer tenure in public housing and shorter distances to needed services equals higher community attachment at Time 1.

**Figure 1. Regression Model 1**

For Hypotheses 2 and 4, I regressed community attachment as a function of tenure and as a function of distance to needed services in my second model. I regressed community attachment (\( \text{Community Attach 2} \)) against the independent variables of tenure and distance to needed services Time 2 to see if my hypothesis is correct that after relocation Palmer and Roosevelt residents would have lower community attachment due to shorter tenure and greater distances from needed services than Cosby Spears residents, who were able to age in place.
Based on Hypothesis 2 and 4

\[ y = a + b_1 \text{HowLongLive} + b_2 \text{Distance}^2 \]

Independent variables
- HowLongLive — time lived in public housing
- Distance2 — distance to services post-move

Dependent Variable
- CommAttach2 — community attachment post-move

**Figure 2. Regression Model 2**

Last, I regressed community attachment on all independent and control variables for Model 3. I regressed the dependent variable \( y = \text{CommAttach2} \) against the independent variables (HowLongLive and Distance2) and control variables (age, income, and health) as outlined in Model 3.

\[ y = a + b_1 \text{Tenure} + b_2 \text{Distance}^2 + b_3 \text{Age} + b_4 \text{Income} + b_5 \text{Health} \]

Independent variables
- HowLongLive — time lived in public housing
- Distance2 — distance to services post-move

Dependent Variable
- CommAttach2 — community attachment post-move

Control variables
- Age
- Income
- Health

**Figure 3. Regression Model 3**

**Assumptions**

When running ANOVA, it is assumed that the null hypotheses of the means are equal. Four ANOVA assumptions are needed to ensure that the means are equal and the variance is not biased. These assumptions follow:

- The dependent variable is either interval or ratio,
• the samples were obtained randomly and independently,
• the populations are normal, and
• the variances for each group are equal.

If homoscedasticity does not occur, I would reject the null hypothesis that at least one group is different.

**Estimation and Interpretation of Coefficients**

OLS estimation was used for unknown parameters of \( a \) and \( b \) to minimize the sum of the squares of error by reducing the observed value of \( y \) and the estimated value of \( y \). The estimated minimum sum of squared errors estimates the intercept of the line and provides the estimate of \( a \), and its slope provides the estimate of \( b \) (Sykes 1988). The OLS estimation produces the estimated coefficient and the estimated standard error. The coefficient \( b \) is computed by the regression tool and represents the strength of the explanatory variable to the dependent variable by \( R^2 \) (coefficient of determination). \( R^2 \), which is generated by SPSS, shows the amount of variation between the variables and ranges from 0 to +1; the closer the variation to 1, the greater the strength of variables. The pattern of the coefficient indicates whether the relationship between variables is positive or negative. Also, \( b \) represents the rate of change of the dependent variable (\( y \)) as a function of changes in the independent variable (\( x \)); as the independent variable increases (positive) or decreases (negative) by one unit, the dependent variable will increase or decrease by one unit.

**Assessing Model Fit**

The \( R^2 \) value determines the goodness of fit for the OLS regression models. The \( R^2 \) value explains or predicts the variation of the predicted probabilities from the observed probabilities to determine significance at \( p > .05 \).
RESULTS

Baseline Characteristics: Pre-move

Table 4 shows descriptive statistics for the sample population of residents who relocated and those who did not. For those who lived in Palmer and Roosevelt House pre-move, the majority of the sample population is African American at 94%, with women leading at 51%. The average age of the sample residents is 62 years old with 44% of the sample between 45 and 61 years of age; another 49% between the ages of 62 and 98, and 7% below the age of 45. Forty-three percent reported having a high school diploma and 97% reported not working due to retirement or disability (See Table 4). Forty-five percent of the sample population reported having excellent to very good health, while 55% reported having fair to poor health. The average monthly income was reported at $500 to $749 a month with only 10% reporting income $1,000 or more. The average time lived in public housing is 8 years with 78% of the sample population living 1 to 9 years in public housing and 22% living in public housing 10 years or more. Forty-eight percent of the sample population has a high degree of community attachment for their neighborhood with 26% having an extremely high degree of community attachment for their neighborhood. Thirteen percent has a moderate degree of community attachment for their neighborhood and 13% has a low degree of community attachment for their neighborhood. Overall, 74% of residents at Palmer and Roosevelt house pre-move had a high degree of community attachment for their neighborhood. Residents from Palmer and Roosevelt house reported an average 15-30 minutes to get to needed services such as public transportation, grocery store, medical services, and church or temple. Fifty-nine percent reported it takes them 15-30 minutes to get to needed services; 27% reported it takes them less than 15 minutes and 14% reported it takes 31-45 minutes to get to
needed services. Basically, the majority of residents reported it takes 30 minutes or less to get to needed services.

**Table 4. Descriptive Analysis**

<table>
<thead>
<tr>
<th>Variables</th>
<th>Baseline Sample</th>
<th>6 month re-interview Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Roosevelt/Palmer</td>
<td>Cosby Spears</td>
</tr>
<tr>
<td>Community Attachment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disagree</td>
<td>124 5%</td>
<td>70 5%</td>
</tr>
<tr>
<td>Moderate</td>
<td>16 13%</td>
<td>12 17%</td>
</tr>
<tr>
<td>Agree</td>
<td>60 48%</td>
<td>34 49%</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>32 26%</td>
<td>12 17%</td>
</tr>
<tr>
<td>Distance to services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 15 min</td>
<td>92 3%</td>
<td>53 8%</td>
</tr>
<tr>
<td>15-30 min</td>
<td>25 27%</td>
<td>21 40%</td>
</tr>
<tr>
<td>31-45 min</td>
<td>54 59%</td>
<td>26 49%</td>
</tr>
<tr>
<td>Separated/Divorce</td>
<td>124 1%</td>
<td>43 44%</td>
</tr>
<tr>
<td>Not Working</td>
<td>117 .23%</td>
<td>97 .45%</td>
</tr>
<tr>
<td>Fair/Poor Health</td>
<td>124 .50%</td>
<td>55 .71%</td>
</tr>
<tr>
<td>Income $500-$479</td>
<td>124 2%</td>
<td>64 51%</td>
</tr>
<tr>
<td>African-American*</td>
<td>123 .50%</td>
<td>94 .69%</td>
</tr>
<tr>
<td>Female*</td>
<td>124 .50%</td>
<td>51 .71%</td>
</tr>
<tr>
<td>High School Diploma*</td>
<td>124 1%</td>
<td>41 52%</td>
</tr>
<tr>
<td>Age*</td>
<td>124 13%</td>
<td>71 10%</td>
</tr>
<tr>
<td>Less than 45 years</td>
<td>11 7%</td>
<td>2 3%</td>
</tr>
<tr>
<td>45-61 years</td>
<td>53 44%</td>
<td>40 57%</td>
</tr>
<tr>
<td>62-98 years</td>
<td>60 49%</td>
<td>29 40%</td>
</tr>
</tbody>
</table>

*question was not asked at 6 month interview.

For those who lived in Cosby Spears pre-move, the majority of the sample population is African American at 88% with females leading at 52%. The highest rate of marital status is separated or divorced at 52%, never married at 28%, widowed at 17% and currently married at 3%. The average age of the sample residents is 60 years old with 57% of the sample between 45 and 61 years of age; another 40% between the ages of 62 and 98, and 3% below the age of 45. Forty-four percent reported having a high school diploma and 90% reported not working due to retire-
ment or disability. Forty-eight percent of the sample population reported having excellent to very good health, while 52% reported having fair to poor health. The average monthly income was reported at $500 to $749 a month with only 15% reporting income of $1,000 or more. The average time lived in public housing was 8 years with 82% of the sample population living 1 to 9 years in public housing and 18% living in public housing 10 years or more. Forty-nine percent of the sample population has a high degree of community attachment for their neighborhood with 17% having an extremely high degree of community attachment for their neighborhood. Seventeen percent has a moderate degree of community attachment with their neighborhood while 17% has a low degree of community attachment with their neighborhood. Overall, 66% of residents at Cosby Spears had a high degree of community attachment with their neighborhood. Residents from Cosby Spears reported an average 15-30 minutes to get to needed services such as public transportation, grocery store, medical services, and church or temple. Forty-nine percent reported it takes them 15-30 minutes to get to needed services; 40% reported it takes less than 15 minutes and 11% reported it takes 31-45 minutes to get to needed services. Basically, the majority of residents reported it takes 30 minutes or less to get to needed services.

Population characteristics at baseline for both populations are quite similar with Roosevelt and Palmer residents having a slightly higher degree of community attachment with their neighborhood than Cosby Spears resident. Also, Cosby Spears residents reported slightly closer distances to needed services than Palmer and Roosevelt residents.

**Post-move Characteristics and 6-Month Subsequent Interviews**

After relocation 49% of former Palmer and Roosevelt housing residents has a high degree of community attachment for their neighborhood with 27% having an extremely high degree of
community attachment for their neighborhood. Twelve percent has a moderate degree of community attachment for their neighborhood and 12% has a low degree of community attachment for their neighborhood. Overall, 76% of residents from Palmer and Roosevelt house had a high degree of community attachment with their neighborhood post relocation. Relocated residents from the sample population reported an average 15-30 minutes to get to needed services such as public transportation, grocery store, medical services, and church or temple. Seventy-four percent reported it takes them 15-30 minutes to get to needed services; 7% reported it takes them less than 15 minutes and 19% reported it takes 31-45 minutes to get to needed services. The majority of the sample population reported the highest rate of marital status as either separated or divorced at 40%, never married at 30%, widowed at 24% and currently married at 6%. Forty percent of the sample population reported having excellent to very good health, while 60% reported having fair to poor health. The average monthly income was reported at $500 to $749 a month and only 15% reporting income of $1,000; 97% reported being retired or disabled.

The residents who did not relocate (Cosby Spears housing) and were able to age in place were interviewed again 6 months later. Fifty-eight percent of Cosby Spears residents have a high degree of community attachment for their neighborhood with 16% having an extremely high degree of community attachment for their neighborhood. Fifteen percent has a moderate degree of community attachment for their neighborhood and 15% has low degree of community attachment for their neighborhood. Overall, 74% of residents from Cosby Spears had a high degree of community attachment with their neighborhood. Residents from the sample population reported an average 15–30 minutes to get to needed services such as public transportation, grocery store, medical services, and church or temple. Sixty-two percent reported it takes them 15-30 minutes to get to needed services; 28% reported it takes them less than 15 minutes and 10% said it takes
31-45 minutes to get to needed services. The majority of the sample population reported the highest rate of marital status as either separated or divorced at 44%, never married at 34%, widowed at 16% and currently married at 6%. Fifty-three percent of the sample population reported having excellent to very good health, while 47% reported having fair to poor health. The average monthly income was reported at $500 to $749 a month with and 28% reported income of $1,000 or more; 89% reported being retired or disabled.

Population characteristics 6 months later for both populations are quite similar, with Roosevelt and Palmer residents having about the same community attachment with their neighborhood as Cosby Spears residents. Both populations’ distances to needed services increased about 15%, but the majority of the residents still reported that it takes 15 to 30 minutes to get to needed services.

<table>
<thead>
<tr>
<th>Table 5. ANOVA Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
</tr>
<tr>
<td>Cosby Spears</td>
</tr>
<tr>
<td>Roosevelt &amp; Palmer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sum of squares</th>
<th>Degrees of freedom</th>
<th>Mean square</th>
<th>F value</th>
<th>p value</th>
</tr>
</thead>
<tbody>
<tr>
<td>.001</td>
<td>1</td>
<td>.001</td>
<td>.000</td>
<td>.995</td>
</tr>
<tr>
<td>5778.680</td>
<td>152</td>
<td>38.018</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**One-Way Analysis of Variance (ANOVA)**

Using SPSS, I analyzed the means of the two groups using one-way ANOVA. I tested to understand whether the change in community attachment differed significantly between Cosby Spears residents who were able to age in place, and Palmer and Roosevelt residents who were forced to relocate. Using community attachment (Time 2 post-move – Time 1 pre-move) as my
dependent variable, descriptive statistics show that after relocation, Cosby Spears residents had the highest average of community attachment at .049 with a standard deviation of 4.7, followed by Roosevelt and Palmer residents with community attachment of .043 with a standard deviation of 6.9. The Levene test for heterogeneity of variances tests to assess if variances among the two groups are significantly different in order to accept or reject the null hypothesis. The Levene statistic for community attachment is significant at .020; thus I reject the null hypothesis and assume that population variances among my groups are not equal. Rejecting the null hypothesis violates the assumption of homogeneity of variance. Therefore I used the alternative Brown–Forsyth test that looks at the median statistics of groups from the absolute deviations (Stern 2010). The test was not significant at .995 so I fail to reject the null hypothesis and assume that the variances are equal in the population. The ANOVA is not significant at p < .05; therefore I fail to reject the null hypothesis that community attachment had an effect on either group after relocation.

**Correlations and Ordinary Least Squares Regression**

Table six through eight show correlation and regression of changes in community attachment for those residents who relocated and those residents who were able to age in place. I used SPSS to run correlations and multiple regressions on the amount of time lived in public housing and distances to needed services on the population sample of all residents who resided in Atlanta senior public housing. I added a dummy variable for Cosby Spears residents versus Palmer and Roosevelt residents to distinguish between the two populations. Also, to compare across all models to see if community attachment was affected by tenure and distance to needed services pre- and post-move, I included only those participants who were able to participate in
the 6-month second interview (8% of former public housing residents could not be located and 6% of former public housing residents had died), and those who answered the questions related to distance to needed services N = 99. Due to the small sample size, I do not have enough power to determine significance at p < .05; therefore I used p < .10 for determining significance.

**Table 6: Correlations of Community Attachment Pre-move**

<table>
<thead>
<tr>
<th></th>
<th>N=99</th>
<th>Comm Attach Pre-move</th>
<th>Tenure</th>
<th>Distance to services–Time 1</th>
<th>Cosby Spears</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comm Attach Pre-move</td>
<td>1.000</td>
<td>-.080</td>
<td>-.163</td>
<td>.111</td>
<td></td>
</tr>
<tr>
<td>Tenure</td>
<td>-.80</td>
<td>1.000</td>
<td>.017</td>
<td>.093</td>
<td></td>
</tr>
<tr>
<td>Distances to Needed services – Time 1</td>
<td>-.163</td>
<td>.017</td>
<td>1.000</td>
<td>.125</td>
<td></td>
</tr>
<tr>
<td>CosbySpears=1</td>
<td>.111</td>
<td>.093</td>
<td>.125</td>
<td>1.000</td>
<td></td>
</tr>
</tbody>
</table>

In Table 6, comparing Roosevelt and Palmer to Cosby Spears residents pre-move, Cosby Spears residents had a positive relationship and higher community attachment with tenure and distance to needed services at .093 and .125 respectively, whereas Roosevelt and Palmer residents had a negative relationship with community attachment with tenure and distance to needed services at -.080 and -.163 respectively. Results indicated a negative and weak correlation between tenure and community attachment for Roosevelt and Palmer residents’ pre-move, which suggested that the amount of time lived in public housing does not account for increased community attachment. Thus, Roosevelt and Palmer residents’ did not have increased community attachment based on longer tenure in public housing. Distance to needed services and community attachment was also negative with a weak correlation, which suggests that proximity to needed services does not account for increased community attachment for Roosevelt and Palmer residents pre-move, even though residents reported it takes them less time in getting to needed services, which increased their community attachment.
There is a positive and weak correlation between tenure and community attachment for Cosby Spears residents’ pre-move, which suggest that the amount of time lived in public housing does not account for increased community attachment, even though Cosby Spears residents’ have increased community attachment based on longer tenure in public housing. Distance to needed services and community attachment was also positive with a weak correlation, which suggests that proximity to needed services does not account for increased community attachment. Cosby Spears residents reported that it takes them more time to get to needed services, which increased their community attachment.

**Table 7: Correlations of Community Attachment Post-move**

<table>
<thead>
<tr>
<th>N=99</th>
<th>Comm Attach Postmove</th>
<th>Tenure</th>
<th>Distance to services–Time 2</th>
<th>Cosby Spears</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comm Attach Postmove</td>
<td>1.000</td>
<td>-.016</td>
<td>-.116</td>
<td>.163</td>
</tr>
<tr>
<td>Tenure</td>
<td>-.016</td>
<td>1.000</td>
<td>.087</td>
<td>.093</td>
</tr>
<tr>
<td>Distances to Needed services – Time 2</td>
<td>-.116</td>
<td>.087</td>
<td>1.000</td>
<td>.197</td>
</tr>
<tr>
<td>CosbySpears = 1</td>
<td>.163</td>
<td>.093</td>
<td>.197*</td>
<td>1.000</td>
</tr>
</tbody>
</table>

*P < .10 (two-tail test)

Six months later, residents from Roosevelt and Palmer who relocated and residents from Cosby Spears who were able to age in place were interviewed again. When comparing former Roosevelt and Palmer residents to Cosby Spears residents 6 months later (see Table 7), tenure stayed positively associated with community attachment for Cosby Spears residents at .093 as well as negatively associated with for Roosevelt and Palmer residents at -.016; therefore, for every year lived in Cosby Spears community attachment increased, but for those who relocated every year lived in public housing community attachment decreased. Interestingly, post-move, Roosevelt and Palmer residents’ correlation between tenure and community attachment increased
which suggests that residents have higher community attachment at their new location than previous location. Not surprising, the correlation between tenure and community attachment remained exactly the same for Cosby Spears residents’ who were able to age in place. The correlation between community attachment and distance to needed services remained positive for Cosby Spears residents 6 months later, but increased to .197 indicating that community attachment decreased (lower scores for distance to needed services equals higher community attachment).

Roosevelt and Palmer residents’ community attachment and distance to needed services remained negative but increased to -.116 indicating that community attachment also decreased for them at Time 2.

<table>
<thead>
<tr>
<th>VARIABLES</th>
<th>Model 1 (Baseline)</th>
<th>Model 2 (6-month)</th>
<th>Model 3 (6-month)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Attachment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tenure</td>
<td>Coeff.</td>
<td>Coeff.</td>
<td>Coeff.</td>
</tr>
<tr>
<td></td>
<td>-.009</td>
<td>-.002</td>
<td>.001</td>
</tr>
<tr>
<td></td>
<td>(.010)</td>
<td>(.011)</td>
<td>(.011)</td>
</tr>
<tr>
<td>Distance to Services</td>
<td>-.349</td>
<td>-.330</td>
<td>-.292</td>
</tr>
<tr>
<td></td>
<td>(.197)</td>
<td>(.221)</td>
<td>(.225)</td>
</tr>
<tr>
<td>CosbySpears (1=Cosby)</td>
<td>.015</td>
<td>.021*</td>
<td>.020*</td>
</tr>
<tr>
<td></td>
<td>(.017)</td>
<td>(.011)</td>
<td>(.011)</td>
</tr>
<tr>
<td>Age</td>
<td></td>
<td>.058</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(.053)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td>.197</td>
<td></td>
<td>(.268)</td>
</tr>
<tr>
<td>Health (1 = Poor Health)</td>
<td></td>
<td>.444</td>
<td>(.011)</td>
</tr>
<tr>
<td>Constant</td>
<td>25.08</td>
<td>24.517</td>
<td>19.494</td>
</tr>
<tr>
<td>Pseudo R²</td>
<td>.052</td>
<td>.050</td>
<td>.068</td>
</tr>
</tbody>
</table>

*P < .10 (two-tail test)
Note: Standard error in parenthesis.
Looking at Table 8 Model 1, for residents of senior public housing in Atlanta, a 1-year increase in tenure is associated with a .009 decline in community attachment, but the effect is not significant. Essentially, longer tenure in senior public housing did not increase community attachment pre-move. A one unit increase in distance to needed services is associated with a .349 decline in community attachment and the effect is not significant. Model 1 shows that proximity to needed services does increase community attachment pre-move. The linear regression was weak at \( r = .228 \) and not significant for the overall model. The overall model’s relative strength is low in explaining tenure and distance to needed services for community attachment. The \( R^2 \) was .05, which indicates that community attachment accounts for only .05% of the variance in tenure and distance to needed services during Wave 1 pre-move. This suggests that variation between the variables is very low and not related. Tenure and distance to needed services are weak in predicting community attachment pre-move for all residents. Residents living in Cosby Spears were the strongest predictor of community attachment, followed by tenure and distances to needed services. The overall model results are not statistically significant at \( p < .05 \) so I cannot generalize the sample to the population. The equation for predicting community attachment from years lived in senior public housing and distance to needed services pre-move is \( Y = 25-.009x_1-.349x_2+.015x_3 \).

For residents of senior public housing in Atlanta 6 months later (Model 2) a 1-year increase in tenure is associated with a .002 decline in community attachment. Essentially, longer tenure in senior public housing did not increase community attachment post-move. A one unit increase in distance to needed services is associated with a .330 decline in community attachment; as distance to needed services decreased, community attachment increased. The linear regression was weak at \( r = .223 \) and the overall model relative strength was low in explaining ten-
ure and distance to needed services for community attachment. The $R^2$ was .05, which indicates that community attachment accounts for only .05% of the variance in tenure and distance to needed services. This suggests that variation between the variables is very low and not related, thus tenure and distance to needed services are weak in predicting community attachment 6 months later. Residents’ living in Cosby Spears was the strongest predictor of community attachment, followed by tenure and distances to needed services. The overall model results are statistically significant at $p < .10$, so there is a significant difference between Cosby Spears residents and those that relocated. The equation for predicting community attachment from years lived in senior public housing and distance to needed services 6 months later is $Y = 24-.002x_1-.330x_2+.021x_3$.

When comparing Models 1 (pre-move) and 2 (post-move), residents of Cosby Spears remained positively associated with community attachment, while tenure and distance to needed services remained negatively associated with community attachment. Even though tenure remained negatively associated with community attachment in Model 2 post-move, it still increased slightly which suggest that longer tenure in an Atlanta senior high-rise does not increase community attachment for those who relocated. For Model 1, for every year not lived in senior public housing, community attachment increased as well as for Model 2; for every year not lived in senior public housing, community attachment increased. Ultimately, tenure at Time 1 and Time 2 negatively affected community attachment. Distance to needed services remained negatively associated with community attachment at Time 1 and Time 2 with a slight increase of .19 at Time 2, which suggests that community attachment decreased. For Model 1 and 2 as distance to needed services decreased, community attachment increased and this is not surprising
considering that most seniors indicated that “the neighborhood was not as important as convenience to location” (Oakley et al., 2011) because of their dependence on public transportation.

To see if prior or intervening variables would have an effect on the outcome of the dependent variable, I introduced controls. I regressed community attachment against all independent variables and control variables. The association between community attachment and tenure is positive, so a 1-year increase in community attachment is a .001 standard deviation incremental increase in tenure, when controlling for Age, Income, and Health. The association between community attachment and distance to needed services is negative, so a one unit increase in distance to needed services is a -.292 standard deviation increment increase in community attachment when controlling for Age, Income, and Health. Health is the highest predictor of community attachment at .444, with distances to needed services being the lowest at -.292. Income, Age, and Health are both positively associated with community attachment, whereas distance to needed services is negatively associated with community attachment. As age increased, so does a person’s community attachment, and this is consistent with the literature that an older person who has aged in place, would have higher community attachment than a younger person (Haley 2008, Kontos 1998, Masotti 2006, McAuley 1998, Newman 2006, Oakley 2009, Rowles 1983). The multiply linear regression is weak at $r = .260$ and the relative strength is low in tenure and access to needed services on community attachment when controlling for Age, Income, and Health. The overall model results are statistically significant at $p < .10$, so there is a significant difference between Cosby Spears residents and those that relocated. The equation for predicting community attachment for tenure and distance to needed services in senior public housing 6 months later is

$$Y = 19+.001x_1-.292x_2 +.020x_3+.058x_4+.197 x_5+.444x_6.$$

Residents of Cosby Spears remain positively associated with community attachment and distance to needed services remains negatively associated with community attachment. The overall model relative strength increased to $R^2 = .68$, which indicates that community attachment accounts for .07% of the variance in tenure and distance to needed services when controlling for Age, Income, and Health. Even though the variation is low, it is the highest among the three models.

**DISCUSSION**

<table>
<thead>
<tr>
<th>Table 9: Hypothesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. At baseline, longer tenure in senior public housing is associated with greater community attachment for all three groups (Palmer, Roosevelt, and Cosby Spears).</td>
</tr>
<tr>
<td>2. After relocation Palmer and Roosevelt senior public housing residents will be associated with lower community attachment than Cosby Spears residents, due to shorter tenure.</td>
</tr>
<tr>
<td>3. At baseline, proximity to needed services will be associated with greater community attachment for all three groups in senior public housing.</td>
</tr>
<tr>
<td>4. After relocation, Palmer and Roosevelt senior public housing residents will be associated with lower community attachment than Cosby Spears residents, due to greater distances from needed services.</td>
</tr>
</tbody>
</table>

The findings did not support my first hypothesis that at baseline for all residents longer tenure is associated with greater community attachment. Cosby Spears residents’ community at-
attachment increased every year they lived in public housing in the regression model, which is consistent with the literature that longer tenure is associated with community attachment and therefore aging in place (Ekstrom 1994, Haley 2008, Lees 2003, Newman 2006, Oakley 2009, Smith 2009, Tester 2011). In contrast, Roosevelt and Palmer residents’ community attachment decreased every year lived in public housing. This finding is contrary to existing literature on community attachment. Differences in the buildings and communities of Cosby Spears and Roosevelt and Palmer may contribute to this finding. One possible reason may be that Roosevelt and Palmer residents’ senior housing was due for demolition because of severe maintenance neglect and deterioration. Both of these senior public-housing buildings were more than 40 years old (Cosby Spears was only 26 years old) and due to the cost-containment phase in the 1980s, suffered severe maintenance neglect. In addition, 49% of Roosevelt and Palmer residents reported that the current condition of their home was fair/poor, whereas only 24% of Cosby Spears residents reported that the current condition of their home was fair/poor (UHI 2011). Future research may need to look at community attachment and variability in building quality for senior public housing residents.

My findings also did not support my third hypothesis that at baseline for all residents, closer distance to needed services was associated with greater community attachment. The findings showed that for Palmer and Roosevelt residents, community attachment increased as units to needed services deceased, which is consistent with the literature that proximity to needed services is associated with community attachment and therefore aging in place (Gilleard 2007, Greene 2007, Manzo 2008, Peace 2005, Peace 2006, Perez 2001, UHI 2011). For Cosby Spears residents, as community attachment increased, so did units to needed services. This finding is contradictory to the literature and more difficult to explain. Cosby Spears is located in prominent
midtown Atlanta whereas Roosevelt and Palmer residents are located in urban downtown Atlanta. Perhaps, distances to needed services was more important to Roosevelt and Palmer residents than to Cosby Spears residents but further research in how important distance to needed services are for seniors in public housing is warranted.

Findings did support my second hypothesis that after relocation, Palmer and Roosevelt residents would be associated with lower community attachment than Cosby Spears residents who were able to age in place. Six months later Cosby Spears residents’ community attachment was higher than that of Roosevelt and Palmer residents, at .093 and -.016, respectively. Even though community attachment increased for Roosevelt and Palmer residents’ post-relocation, it was not higher than Cosby Spears residents who were able to age in place. Roosevelt and Palmer residents’ tenure remained negatively associated with community attachment post-move but surprisingly increased from -.080 to -.016; this may be because of the deterioration of the senior high-rise buildings pre-move and the satisfaction with their new home post-move. Some seniors indicated that their new home was a big improvement over their previous public-housing homes, with some mentioning a significant decrease in pests, roaches, and broken appliances (Oakley, Reid, & Ruel, 2011). As expected, Cosby Spears residents who did not relocate and were able to age in place, community attachment remained the same 6 months later.

My findings did not support my fourth hypothesis that after relocation Palmer and Roosevelt residents would be associated with lower community attachment than Cosby Spears residents who were able to age in place due to greater distance to needed services. When comparing Palmer and Roosevelt residents to Cosby Spears residents, the correlation between community attachment and distance to needed services was higher for Roosevelt and Palmer residents at -.116 than Cosby Spears residents at .197 (lower scores for distance to needed services equal
higher community attachment). Distances to needed services remained negatively associated with community attachment for Roosevelt and Palmer residents’ pre- and post-move; Cosby Spears residents’ distances to needed services remained positively associated with community attachment 6 months later but became statistically significant. As mentioned earlier, future research on importance of distance to needed services for seniors in public housing is necessary.

For all residents, descriptive characteristics for community attachment and tenure were quite similar pre- and post-move, with Cosby Spears residents having slightly higher community attachment with their neighborhood than Roosevelt and Palmer residents post-move. Community attachment and distance to needed services were also similar pre- and post-move; however both populations did report a slight increase in distance to needed services 6 months later. I expected an increase in distance to needed services for Roosevelt and Palmer residents due to their relocation, but was surprised at the results for Cosby Spears residents, who were able to age in place. Because 85% of residents at Cosby Spears use public transportation or Services for Seniors transportation services, it is not clear why there was an increase in distance to needed services. In 2008-2009 MARTA eliminated 40 bus routes from their fleet due to budgetary issues from the 2007 recession (MARTA 2010). Perchance the bus route schedule most frequently use by residents was changed/cut or the Services for Seniors transportation scheduling was changed or disrupted. The reasoning for this needs to be further explored.

When reviewing the ANOVA table, there is a slight increase in community attachment for Cosby Spears residents compared to Roosevelt and Palmer residents post-move, but the results are not statistically significant; thus community attachment did not affect or differ for either group 6 months later. The correlation findings indicated that Roosevelt and Palmer residents’ community attachment increased post-move for tenure but decreased post-move for distance to
needed services. The negative correlation between community attachment and tenure remain negatively correlated but increased slightly, whereas the negative correlation between community attachment and distance to needed services increased and remained negative. Essentially, even though community attachment and tenure remain negatively associated post-move, it did increase slightly which suggest that an extended amount of time lived in public housing did not account for increased community attachment. Perhaps, the relocated residents liked their new location so much that they started to immediately attach to their neighborhood irrespective of the short 6 month tenure. As expected, longer distances to needed services did account for decreased community attachment post-move. At Time 1 and Time 2 further distances to needed services is negatively correlated with community attachment. Closer distances to needed services in order to perform selective optimization with compensation effectively are associated with higher community attachment and therefore aging in place.

Cosby Spears residents’ community attachment remained the same for tenure at Time 1 and Time 2, and decreased at Time 2 for distance to needed services. As noted earlier, there was an increase in distance to needed services at Time 2 for Cosby Spears residents which caused their community attachment to decrease slightly. Community attachment and tenure did differ between Palmer and Roosevelt residents and Cosby Spears residents 6 months later and the difference was small but significant. Distance to needed services also differed for Palmer and Roosevelt residents and Cosby Spears residents, but not as I hypothesized. Roosevelt and Palmer residents’ community attachment was higher than Cosby Spears residents post-move, even though they were further from needed services.

The regression table showed results similar to those for tenure; at time 1 as community attachment increases tenure decreases as well as for time 2; as community attachment increases
tenure decreases. Therefore, tenure does not account for increased community attachment pre and post-move for all residents. For distances to needed services at Time 1 and Time 2, shorter distances to needed services were associated with higher community attachment. Thus, shorter distances to needed services to perform selective optimization with compensation do account for increased community attachment pre and post-move. Overall, the regression Models 1 and 2 are quite weak and suggest that tenure and distance to needed services does not predict community attachment. Even when adding controls in Model 3, the variance stays weak with very low reliability between the variables. Models 2 and 3 were significant at $p < .10$.

The findings only supported my second hypothesis that relocated former public-housing residents would have lower community attachment than those who were able to age in place, due to less tenure. Even though community attachment did increase for Roosevelt and Palmer residents post-move, it was not higher than that of Cosby Spears residents who were able to age in place. The other three hypotheses were not supported. At baseline, longer tenure and shorter distances to needed services did not increase community attachment for all three groups. Community attachment based on longer tenure did not increase for everyone when taken with other factors, such as housing condition. Also, further distances to needed services for those who relocated did decrease community attachment, but this was not lower than those who were able to age in place, and this was unexpected. I presumed that the satisfaction with the new housing environment may be the cause, but further research in this area is needed. Ultimately, tenure and distances to needed services to perform selective optimization with compensation is very low in predicting community attachment for all residents in senior public housing in Atlanta. These results are surprising, considering that the literature states that longer tenure and proximity to needed services are associated with higher community attachment and therefore aging in place,
but the research available is limited in specifically targeting seniors in Section 202 housing. Atlanta was the first city to demolish Section 202 housing and, as of 2005, only 1% of 202 housing was targeted for demolition (GAO-06-163, 2005); research in the area of Section 202 housing and aging in place is much needed. In addition, 6 month interviews only indicate immediate post-relocation results; therefore, researchers need to determine if findings would be the same at 12 months or 24 months.

A final important insight is that aging in place and community attachment is complex and not consistent for long-term public-housing seniors because of other factors that can influence it. For example, longer time lived in senior public housing does not increase community attachment when the housing development is in severe deterioration and maintenance upkeep is substandard. In particular, the longer a senior citizen lives in substandard housing, the more their community attachment decreases. Community attachment and aging in place does promote greater community attachment for seniors, but only if the actual housing environment is satisfactory, as with Cosby Spears housing, which was not due for demolition. Also, further distances to needed services do not decrease community attachment if the housing is satisfactory and alternatives to public transportation are available.

**Implications**

I have three implications for future research. First, my central argument has been that older minorities residing in Section 202 housing with longer tenure and closer distances to needed services will have higher community attachment, which is essential to aging in place. Only my second hypothesis was proven because this is not necessarily the case because other factors related to the neighborhood and the individual person can also influence community attachment.
For example, age, income, and health did have a slight influence on community attachment and should be explored further and this is consistent with existing literature (Baltes and Carstensen 1996, Belsky 1999, Curley 2010, Duryea 2006, Ekstrom 1994, Haley and Gray 2008, Holland and Kellaher 2005, Manzo et al. 2008, McAuley 1998, Newman and Wyly, Perez et al. 2001, Rowles 1983, 2006, Skinner 1992, Smith’s 2009, Tester et al. 2011). Second, substandard housing with pests, roaches, broken appliances, and leaky roofs may affect community attachment and aging in place and should be explored. Due to historically discriminatory practices against African Americans, few alternatives to living arrangements were available, so community attachment became significant regardless of substandard housing. Perhaps the need to fix up their housing was preferred to relocation; however, when faced with new housing, relocated residents liked it and started to form community attachment. Residents who were able to age in place did not experience a comparison model (moving to a new residence that is brand new), so their community attachment remained the same. Finally, community attachment and aging in place are more complex than originally hypothesized, especially for minority residents. Tenure and distances to needed services is only one aspect of unique aging for minority residents of public housing. Other factors should be measured when considering aging-in-place policies and tenants of 202 housing. Tenure and closer distances to needed services does increase community attachment, but other factors can cause it to decrease. Future research on aging in place may need to recognize that minority seniors living in Section 202 housing have unique aging experience.

Although research in the area of senior relocation is limited and aging in place and community attachment are complex issues, I have three policy suggestions based on my findings. First, HUD should continue to provide supportive services such as transportation for seniors of Section 202 housing. In 2012, HUD increased supportive services by $91 million (Fiscal Year
2012 Program 2011) due to the increase in senior applications for services. Community attachment decreased for both Roosevelt and Palmer residents that relocated and Cosby Spears residents that were able to age in place because of further distances away from needed services, and this is consistent with the literature that proximity to needed services is associated with community attachment and therefore aging in place (Gilleard 2007, Greene 2007, Manzo 2008, Peace 2005, Peace 2006, Perez 2001, UHI 2011). Distances to needed services increased for all residents 6 months later, which may have cause residents to have less reliance on public transportation and more reliance on supportive services transportation. Second, there should be an increase in U.S. Department of Housing and Urban Development (HUD) funds for maintenance and repair of Section 202 housing. In 2012 the HUD fiscal budget was cut by $68 million and most of that was to the operating cost (Fiscal Year 2012 Program 2011). Relocated residents community attachment increased post-move, perhaps because of their satisfaction with their new home and their dissatisfaction with their previous home due to its severe deterioration. In summary, continued funds for research on aging-in-place initiatives and community attachment will assist policy makers in addressing the rising number of older adults residing in public housing. According to the Seniors Commission Report (2002), by 2020 there will be a predicted 1.3 million elderly people who will need assistance with housing and activities of daily living. That staggering figure alone should alert policy makers to enact administrative and legislative reform.

**Limitations**

My research has several limitations. First, the Urban Health Initiative used randomly chosen and non-randomly chosen respondents which can create sampling bias. To compensate, differences between random and non-random portions of the sample were tested and no significant
differences were found (Ruel et al., 2012). Also sampling weights were used to adjust for the complex sampling design. In addition, due to the small sample size used for my study of older residents, I did not have enough power to determine significance at p < .05; therefore I changed my significance level to p < .10 for determining significance. Second, I only documented 6 months relocation results and UHI is a longitudinal study still in progress. Aging in place is a concept that describes long-term effects therefore 12 months or 24 months may give more precise results. To finish, a disadvantage with using secondary data is not being able to create specific questions related to my study. Even though I was able obtain data for distances to needed services, I was not able to obtain data on how seniors of public housing are able to transport themselves to needed services to compensate for age-based changes.

CONCLUSION

In 1966, Atlanta built its first Section 202 housing for older residents and disabled adults, and in 2009 it demolished two senior high-rise buildings along with other family project housing. Due to the predicted increase in the older population in the next few decades, the housing of senior citizens will become a prominent issue facing policy makers. Aging-in-place initiatives should seriously be considered. Successful aging-in-place programs minimize the provision of inappropriate care and promote independent living, which is the ultimate goal of Section 202 senior housing. Maintaining independence, familiarity with the neighborhood, and the ability to access needed services can assist an older adult in overcoming limitations as a result of adapting to changes associated with aging. Using longitudinal data from the GSU Urban Health Initiative, I looked at relocated and non-relocating senior public housing residents’ community attachment as it relates to tenure and distance to needed services pre and post-move to explore if community
attachment was influenced. Findings reveal that community attachment and aging in place are more complex than originally realized. Tenure and distances to needed services is only one aspect of unique aging for senior minority residents in public housing. This study has contributed to the study of older minorities that reside in section 202 housing. Since Atlanta was the first to demolish and relocate older residents, my study is hopefully the beginning of more research in the area of Senior 202 public housing relocation.
REFERENCES


Atlanta Housing Authority. 2009. *Quality of Life Fact Sheet*. Atlanta, Georgia: Atlanta Housing Authority.


Colello, Kristen. 2007. “Supportive Services Programs to Naturally Occurring Retirement Communities.” *Congressional Research Service Report for Congress*. Order Code RL34289


Oakley, Deidre. Reid, Lesley and Ruel, Erin. 2011. “Is the Grass Always Greener? Destination characteristics and former public housing residents’ views six months after relocation.” Georgia State University Health Initiative. Department of Sociology, Georgia State University. Atlanta, GA.


APPENDICES

Appendix A. GSU Public Housing Questionnaire Wave 1

Working Design File (English)

Q1w1. Please enter the interviewer's 4 digit code. __ __ __ __

Q2w1. Please enter the respondent's ID number. __ __ __ __

In order to determine how the planned relocations will affect all aspects of your life, we need to gather a lot of important information about your life. Nothing you say can be traced back to you, nor can your participation affect any housing subsidy you may be receiving. Your name will never be linked to your answers. To show our appreciation to you for completing this long survey, we would like to offer you $10.00. **Remember that you do not have to answer any questions that you do not want to answer and can stop at any time.**
Your Neighborhood

1aw1. This neighborhood is a good place to raise kids. Do you.... (Choose one)

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1bw1. People around here are willing to help neighbors. Do you.... (Choose one)

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1cw1. People in this neighborhood generally don't get along with each other. Do you.... (Choose one)

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1dw1. People in this neighborhood can be trusted. Do you.... (Choose one)

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1ew1. People in this neighborhood do not share the same values. Do you.... (Choose one)

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2aw1. When I'm in my neighborhood I feel I'm in a place that is my home. Do you.... (Choose one)

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2bw1. When I'm in my neighborhood I feel I'm in a place that holds a lot of meaning to me. Do you.... (Choose one)

1  Strongly Disagree
2  Disagree
3  No Opinion
4  Agree
5  Strongly Agree
7  Don't Know
8  Refuse to Answer

2cw1. When I'm in my neighborhood I feel I'm in a place where I belong. Do you.... (Choose one)

1  Strongly Disagree
2  Disagree
3  No Opinion
4  Agree
5  Strongly Agree
7  Don't Know
8  Refuse to Answer

2dw1. When I'm in my neighborhood I feel I'm in a place I'd miss if I had to leave. Do you.... (Choose one)

1  Strongly Disagree
2  Disagree
3  No Opinion
4  Agree
5  Strongly Agree
7  Don't Know
8  Refuse to Answer

2ew1. When I'm in my neighborhood I feel I'm in a place I'm proud of. Do you.... (Choose one)

1  Strongly Disagree
2  Disagree
3  No Opinion
4  Agree
5  Strongly Agree
7  Don't Know
8  Refuse to Answer

2fw1. When I'm in my neighborhood I feel I'm in a place that's important to me. Do you.... (Choose one)

1  Strongly Disagree
2  Disagree
3  No Opinion
4  Agree
5  Strongly Agree
7  Don't Know
8  Refuse to Answer
2w1. Which of the following statements best describes how satisfied you are with your neighborhood? Would you say you are... (Choose one)

1 Very Satisfied
2 Somewhat Satisfied
3 In the Middle
4 Somewhat Dissatisfied
5 Very Dissatisfied
777 Don't Know
888 Refuse to Answer

I am going to name some neighborhood conditions, please let me know if you agree or disagree that it takes place in your neighborhood.

3aw1. People do not respect rules or the law here. Do you... (Choose one)

1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable

3b. There is too much crime and violence in this neighborhood. Do you... (Choose one)

1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable

3c. Too many abandoned or run-down buildings here. Do you... (Choose one)

1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable

3d. The police are usually not available around here when you actually need them. Do you... (Choose one)

1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable
3e. There is not enough public transportation in this area. Do you... (Choose one)
1. Strongly Disagree
2. Disagree
3. No Opinion
4. Agree
5. Strongly Agree
7. Don’t Know
8. Refuse to Answer
9. Not Applicable

3f. Parents do not supervise their children around here. Do you... (Choose one)
1. Strongly Disagree
2. Disagree
3. No Opinion
4. Agree
5. Strongly Agree
7. Don’t Know
8. Refuse to Answer
9. Not Applicable

3h. Too many people here cannot find jobs. Do you... (Choose one)
1. Strongly Disagree
2. Disagree
3. No Opinion
4. Agree
5. Strongly Agree
7. Don’t Know
8. Refuse to Answer
9. Not Applicable

For this set of questions, we ask your opinion about how likely or unlikely it is that your neighbors would respond to the following situations. In other words, how likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem.

4a. If local children were skipping school and hanging out on a nearby street corner? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one)
1. Very Unlikely
2. Somewhat Unlikely
3. A 50-50 Chance
4. Somewhat Likely
5. Very Likely
777. Don’t Know
888. Refuse to Answer

4b. If children were spray-painting on a local building? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one)
1. Very Unlikely
2. Somewhat Unlikely
3. A 50-50 Chance
4. Somewhat Likely
5. Very Likely
777. Don’t Know
888. Refuse to Answer
4c. If children were showing disrespect to an adult? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one)

1. Very Unlikely
2. Somewhat Unlikely
3. A 50-50 Chance
4. Somewhat Likely
5. Very Likely
777 Don't Know
888 Refuse to Answer

4d. If a fight broke out in front of their house? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one)

1. Very Unlikely
2. Somewhat Unlikely
3. A 50-50 Chance
4. Somewhat Likely
5. Very Likely
777 Don't Know
888 Refuse to Answer

4e. If the fire station closest to this complex was threatened with budget cuts? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one)

1. Very Unlikely
2. Somewhat Unlikely
3. A 50-50 Chance
4. Somewhat Likely
5. Very Likely
777 Don't Know
888 Refuse to Answer

Now I want to ask you some questions about fear of crime in your neighborhood. People differ in terms of how much they fear becoming a victim of a crime. Please tell me, in general, how much you fear the following in your neighborhood:

5a. Having someone break into your home while you are away? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
777 Don't Know
888 Refuse to Answer

5b. Having someone break into your home while you are at home? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
777 Don't Know
888 Refuse to Answer
5c. Having something taken from you by force? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer

5d. Being threatened with a weapon? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer

5e. Being beaten by a stranger? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer

5f. Having your car stolen? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer
9 Not Applicable

5h. Finding out that someone was robbed near your home? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer

5i. Being robbed or mugged on the street? (Choose one)

1. Not at all afraid
2. Not very afraid
3. Somewhat afraid
4. Afraid
5. Very Afraid
877 Don't Know
888 Refuse to Answer

Next, we would like to ask you some questions about the home you live in now.

6. Overall how would you describe the condition of your current home? Would you say it was excellent, good, fair, or poor condition? (Choose one)

1. Excellent
2. Good
3. Fair
4. Poor
877 Don't Know
888 Refuse to Answer
7. Not including bathrooms and hallways, how many rooms are there in your home?

<table>
<thead>
<tr>
<th>Rooms</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>98</td>
<td></td>
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</tbody>
</table>

8. How long have you lived in your current home? (Fill in years and months in text box)

9. What was your housing situation just before you moved into this public housing community?
(Choose one)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>01</td>
<td>Another public housing community</td>
</tr>
<tr>
<td>02</td>
<td>Own your own home</td>
</tr>
<tr>
<td>03</td>
<td>Rent an apartment on your own in the private market</td>
</tr>
<tr>
<td>04</td>
<td>Live with family or friends and pay part of the rent or mortgage</td>
</tr>
<tr>
<td>05</td>
<td>Live with family or friends and did not pay rent</td>
</tr>
<tr>
<td>06</td>
<td>Live in a group shelter</td>
</tr>
<tr>
<td>07</td>
<td>Live in some other housing arrangement</td>
</tr>
<tr>
<td>777</td>
<td>Don’t Know</td>
</tr>
<tr>
<td>888</td>
<td>Refuse to Answer</td>
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</tbody>
</table>

If 9 is not equal to 7, then skip to 11.

10. Please Specify what other housing arrangement.
11. What made you choose or come to live in public housing? (Is there a series of events that ended with you living in public housing?)
12. Was a health problem for you or a family member part of the reason why you moved into public housing?

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<td>1</td>
<td>Yes</td>
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<tr>
<td>7</td>
<td>Don't Know</td>
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<td>8</td>
<td>Refuse to Answer</td>
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<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
13. What kind of health problem and for who?

14. Did you ever live in public housing when you were growing up (prior to age 16)?

15. Altogether, in the month just past, what did you pay as rent (per month)?

16a. A leaky roof or ceiling?
16b. Is there a sink, toilet, hot water heater, or other plumbing that doesn’t work in your apartment?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
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</table>

16c. Are there broken windows in your apartment?

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<thead>
<tr>
<th></th>
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<th>No</th>
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16d. Are there exposed electrical wires or other electrical problems in your apartment?

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<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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16e. Are there pests, such as rats, mice or cockroaches, in or around your apartment?

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<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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16g. Is there a working smoke detector in your apartment?

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<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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</table>

16i. During the last 12 months, has there been water damage to the floors or walls, or ceiling from leaks, broken pipes, heavy rain or floods?

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<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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16j. If yes, was the water damage corrected?

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<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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16l. Is there a stove or refrigerator that doesn’t work in your apartment?

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<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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16m. Is there peeling paint in your apartment or on its exterior?

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<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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16n. Is there a furnace or heater that works poorly or doesn’t work at all?

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<th></th>
<th>Yes</th>
<th>No</th>
<th>Don’t Know</th>
<th>Refuse to Answer</th>
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</tbody>
</table>
17. What is special or important to you about your home?

Now, I would like to ask some questions about your household's finances. During the last 12 months, how often...

18a. Did your household have to borrow money to pay bills? Would you say... (Choose one)

1. Never
2. Rarely
3. Occasionally
4. Frequently
5. All the time
6. Don't Know
7. Refuse to Answer
18b. How often did your household put off buying something you need because you didn't have money? Would you say... (Choose one)

1 Never
2 Rarely
3 Occasionally
4 Frequently
5 All the time
6 Don't Know
7 Refuse to Answer

18d. How often did the food you buy run out, but you didn't have money to get more. Would you say... (Choose one)

1 Never
2 Rarely
3 Occasionally
4 Frequently
5 All the time
6 Don't Know
7 Refuse to Answer

18e. How often did you cut the size of your family's meals or skip meals because there wasn't enough money for food? Would you say... (Choose one)

1 Never
2 Rarely
3 Occasionally
4 Frequently
5 All the time
6 Don't Know
7 Refuse to Answer

18f. How often did your family get emergency food from a church, a food pantry, a food bank, or eat in a soup kitchen? Would you say... (Choose one)

1 Never
2 Rarely
3 Occasionally
4 Frequently
5 All the time
6 Don't Know
7 Refuse to Answer

19. People sometimes have trouble paying their bills on time. During the last 12 months were you ever more than 15 days late paying your rent?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer

20. During the last 12 months have you been threatened with eviction or received an eviction notice for late rent payment?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer

21. During the last 12 months have you been evicted or received an eviction notice for any other reason? (including relocation)

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
22. During the past 12 months, at the end of most months, what was your household's financial situation? (Choose one)
   1 we had more than enough money left over
   2 we had some money left over
   3 we had just enough to make ends meet
   4 we did not have enough to make ends meet
   7 Don't Know
   8 Refuse to Answer

23. In the last 12 months, was your family authorized to receive Food Stamps?
   1 Yes
   0 No
   7 Don't Know
   8 Refuse to Answer

24. In the last 12 months, did anyone in your family (in your household) participate in the women, infant, and children (WIC) nutrition program or the Elderly Nutrition Program?
   1 Yes
   2 No
   7 Don't Know
   8 Refuse to Answer
   9 Not Applicable

25. In what year were you born?  __ __ __ __ yyyy
   0077 Don't Know (Year)
   0088 Refuse to Answer (Year)

26. Are you Male or Female?
   1 Male
   2 Female
   7 Don't Know
   8 Refuse to Answer
   9 Not Applicable

27. Are you Hispanic or Latino?
   1 Yes
   0 No
   7 Don't Know
   8 Refuse to Answer

28. Which one of these groups would you say best represents your race? (Choose one)
   1 White
   2 Black or African American
   3 Asian
   4 American Indian or Alaska Native
   5 Other (Specify)
   777 Don't Know
   888 Refuse to Answer

If 28 is not equal to 5, then skip to 29.

28a. Please Specify
29. Have you ever served on active duty in the United States Armed Forces either in the regular military or in a National Guard or military reserve unit? *Active duty does not include training for the reserves or national guard, but does include activation for example for the Persian Gulf War.*

1  Yes
0  No
7  Don't Know
8  Refuse to Answer

30. Are you currently... (Choose one)

1  Married
2  Divorced
3  Widowed
4  Separated
5  Never married
6  Living with someone, but not married
7  Don't Know
8  Refuse to Answer

31. How many children under 18 years of age live in your household? (Children that you are rearing full time)

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<thead>
<tr>
<th></th>
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<th>Children</th>
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<tbody>
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<td>00</td>
<td>zero</td>
<td>Skip to 34</td>
</tr>
<tr>
<td>77</td>
<td>Don't Know</td>
<td>Skip to 34</td>
</tr>
<tr>
<td>88</td>
<td>Refuse to Answer</td>
<td>Skip to 34</td>
</tr>
</tbody>
</table>

32. Do any of the children living in your household need full time care due to a mental or physical health disability?

1  Yes
0  No
7  Don't Know
8  Refuse to Answer

*Skip to 34*
33. For what health reason does a child in your household need full time health care?

__________________________
__________________________
__________________________
__________________________
__________________________
__________________________
__________________________
__________________________

34. How many adults beside yourself live in your household?

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<thead>
<tr>
<th></th>
<th>Adults</th>
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<td>zero</td>
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<tr>
<td>777</td>
<td>Don't Know</td>
</tr>
<tr>
<td>888</td>
<td>Refuse to Answer</td>
</tr>
</tbody>
</table>

If 34 is greater than 50, then skip to 37.

35. Do any of the other adults living in your household need full time care due to a mental or physical health disability?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
</tbody>
</table>

Skip to 37
36. For what health reason does the adult living in your household need full time health care?

37. What is the highest grade or year of school you completed?

38. Do you have a high school diploma or GED? (Choose one)
39. Are you currently working full or part time? (Choose one)

1  Yes, working full time (35 hours/week or more)
2  Yes, working part time
3  No, not working
888  Refuse to Answer

If 39 is not equal to 3, then skip to instruction before 41.

40. If you are not currently working, are you (Choose one)

1  a homemaker
2  retired
3  student
4  unable to work
5  unemployed and looking for work, OR
6  unemployed and not looking for work
7  something else, please specify
8  Refuse to Answer

If 40 is not equal to 7, then skip to instruction before 41.

40a. Please specify other

If 39 is equal to 3, then skip to instruction before 42.

41. Is your monthly earnings (before taxes)…? (Choose one)

01  Less than $250
02  between $250 and $499
03  between $500 and $749
04  between $750 and $999
05  between $1,000 and $1,249
06  between $1,250 and $1,499
07  between $1,500 and $1,999
08  between $2,000 and $2,499
09  between $2,500 and $2,999
10  More than $3,000
777  Don't Know
888  Refuse to Answer

If 41 is not equal to 10, then skip to 43.

42. About how much is that?

If 41 is not equal to 10, then skip to 43.
43. Is your total monthly income (before taxes)…? (Including Earnings, SSI, Child Support, Public Assistance, and any other sources of money) (Choose one)

<table>
<thead>
<tr>
<th></th>
<th>Choice</th>
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<tbody>
<tr>
<td>01</td>
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<tr>
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*If 43 is not equal to 10, then skip to 45.*

44. About how much is that?

45. Does anyone in your household own a car, van or truck that runs?

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Answer

46. How long does it take you to get to the nearest bus or MARTA station? (Choose one)

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<td>46 Minutes to an Hour</td>
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<td>More than an Hour</td>
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<td>8</td>
<td>Refuse to Answer</td>
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</table>

*If 39 is greater than 2, then skip to 48.*

47. How long does it take you to get to work? (Choose one)

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48. How long does it take you to get to the grocery store? (Choose one)

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<tr>
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<td>5</td>
<td>More than an Hour</td>
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<td>7</td>
<td>Don't Know</td>
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<td>8</td>
<td>Refuse to Answer</td>
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</table>
49. How long does it take to get to your doctor or the place where you most often get health care? (Choose one)

1. Less than 15 Minutes
2. 15-30 Minutes
3. 31-45 Minutes
4. 46 Minutes to an Hour
5. More than an Hour
6. Don’t Know
7. Refuse to Answer

50. How long does it take to get to your church (or temple)? (Choose one)

1. Less than 15 Minutes
2. 15-30 Minutes
3. 31-45 Minutes
4. 46 Minutes to an Hour
5. More than an Hour
6. Don’t Know
7. Refuse to Answer
8. Not Applicable

Now, I would like to ask some general questions about your health. During the last 12 months...

51. Would you say your health is excellent, very good, good, fair or poor? (Choose one)

1. Excellent
2. Very Good
3. Good
4. Fair
5. Poor
6. Don’t Know
7. Refuse to Answer

52. During the past 4 weeks, how often would you say your mental health was poor? (Choose one)

1. Very Often
2. Often
3. Somewhat Often
4. Not Very Often
5. Not At All
6. Don’t Know
7. Refuse to Answer

53. During the past 4 weeks, how often would you say you have felt worried, tense or anxious? (Choose one)

1. Very Often
2. Often
3. Somewhat Often
4. Not Very Often
5. Not At All
6. Don’t Know
7. Refuse to Answer

54. During the past 4 weeks, how often would you say you have felt depressed, sad or blue? (Choose one)

1. Very Often
2. Often
3. Somewhat Often
4. Not Very Often
5. Not At All
6. Don’t Know
7. Refuse to Answer
55. About how much do you weigh without shoes? (In Pounds) __ __ __ Pounds 
777 Don’t Know 
888 Refuse to Answer

56. About how tall are you without your shoes? (In Inches -- Please convert feet to inches) __ __ __ Inches 
97 Don’t Know 
98 Refuse to Answer

57. (Ask of Women Only) Are you currently pregnant? 
1 Yes 
0 No 
7 Don’t Know 
8 Refuse to Answer

57. During the past 4 weeks, has your health limited your ability to lift or carry groceries a lot, a little, or not at all? (Choose one) 
1 A Lot 
2 A Little 
3 Not At All 
777 Don’t Know 
888 Refuse to Answer 
999 Not Applicable

58. During the past 4 weeks, has your health limited your ability to climb a flight of stairs a lot, a little, or not at all? (Choose one) 
1 A Lot 
2 A Little 
3 Not At All 
777 Don’t Know 
888 Refuse to Answer 
999 Not Applicable

59. During the past 4 weeks have you been able to walk around the neighborhood without help or equipment of any kind? (Choose one) 
1 Yes 
2 No -- none or only some 
7 Don’t Know 
8 Refuse to Answer

60. Have you ever been told by a doctor that you have diabetes? (Choose one) 
1 YES 
2 YES, but only during pregnancy 
3 NO 
4 NO, Pre-Diabetes or Borderline Diabetes 
7 Don’t Know 
8 Refuse to Answer

If 60 is greater than 1, then skip to 63.

61. In order to control your diabetes, are you now taking medication? 
1 Yes 
0 No 
7 Don’t Know 
8 Refuse to Answer

Skip to 63
62. How old were you when you began taking this medication?  

   __ __ Age
   97  Don't Know
   98  Refuse to Answer
   99  Not Applicable

63. Have you ever been told by a doctor, nurse or other health professional that you have high blood pressure? (Choose one)

   1  Yes
   2  YES, but only during pregnancy
   3  NO
   4  NO, Borderline High or Pre-Hypertension
   777  Don't Know
   888  Refuse to Answer

If 63 is greater than 1, then skip to 66.

64. In order to control your high blood pressure, are you now taking medication?

   1  Yes
   0  No  Skip to 66
   7  Don't Know
   8  Refuse to Answer

65. How old were you when you began taking this medication?  

   __ __ Age
   97  Don't Know
   98  Refuse to Answer
   99  Not Applicable

66. Have you ever been told by a doctor, nurse or other health professional that you have asthma?

   1  Yes  Skip to 69
   0  No
   7  Don't Know
   8  Refuse to Answer

67. In order to control your asthma, are you now taking medication?

   1  Yes  Skip to 69
   0  No
   7  Don't Know
   8  Refuse to Answer

68. How old were you when you first began taking this medication?  

   __ __ Age
   97  Don't Know
   98  Refuse to Answer

69. Have you ever been told by a doctor, nurse or other health professional that you have or had coronary heart disease, a heart attack, myocardial infarction or angina?

   1  Yes  Skip to 72
   0  No
   7  Don't Know
   8  Refuse to Answer
70. In order to control your heart condition, are you now taking medication?
   1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer

71. How old were you when you first began taking this medication?  __ __ Age
   97  Don’t Know
   98  Refuse to Answer

72. Have you ever been told by a doctor, nurse or other health professional that you have had a stroke?
   1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer

73. Are you now taking medication to limit future strokes?  1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer

74. How old were you when you first began taking this medication?  __ __ Age
   97  Don’t Know
   98  Refuse to Answer

75. Have you ever been told by a doctor, nurse or other health professional that you have cancer?
   1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer

76. In order to control your cancer, are you now taking medication?
   1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer

77. How old were you when you first began taking this medication?  __ __ Age
   97  Don’t Know
   98  Refuse to Answer

78. Have you ever been told by a doctor, nurse or other health professional that you have arthritis or rheumatism?
   1  Yes
   0  No
   7  Don’t Know
   8  Refuse to Answer
79. **In order to control your arthritis or rheumatism, are you now taking medication?**
   
   |   |  
   |---|---|
   | 1 | Yes |
   | 0 | No  |
   | 7 | Don't Know |
   | 8 | Refuse to Answer |

   *Skip to 81*

80. **How old were you when you first began taking this medication?**
   
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<td>---</td>
<td>Age</td>
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<tr>
<td>97</td>
<td>Don't Know</td>
</tr>
</tbody>
</table>

81. **Are you currently taking any medication for a mental health condition?**
   
   |   |  
   |---|---|
   | 1 | Yes |
   | 0 | No  |
   | 7 | Don't Know |
   | 8 | Refuse to Answer |

82. **About how much do you spend in a typical month on prescription medicine? (after insurance)**
   
   **(Choose one)**
   
   |   |  
   | 00 | Nothing -- zero dollars |
   | 01 | $1.00 - $20.00 |
   | 02 | $21.00 - $40.00 |
   | 03 | $41.00 - $60.00 |
   | 04 | $61.00 to $80.00 |
   | 05 | $81.00 - $100.00 |
   | 06 | $101.00 - $150.00 |
   | 07 | $151.00 or more |
   | 777 | Don't Know |
   | 888 | Refuse to Answer |

83. **Prescription medication can be expensive. Has there ever been a month when you were not able to afford medicine needed for a medical condition?**
   
   |   |  
   |---|---|
   | 1 | Yes |
   | 2 | No  |
   | 7 | Don't Know |
   | 8 | Refuse to Answer |

84. **Have you smoked at least 100 cigarettes (5 packs) in your entire life?**
   
   |   |  
   |---|---|
   | 1 | Yes |
   | 0 | No  |
   | 7 | Don't Know |
   | 8 | Refuse to Answer |
   | 9 | Not Applicable |

85. **Do you now smoke cigarettes every day, some days, or not at all?**
   
   **(Choose one)**
   
   |   |  
   |---|---|
   | 1 | Every Day |
   | 2 | Some Days |
   | 3 | Not At All |
   | 7 | Don't Know |
   | 8 | Refuse to Answer |
86. During the last 4 weeks, have you had at least one drink of any alcoholic beverage such as beer, wine, a malt beverage, or liquor?
   1  Yes
   2  No
   7  Don't Know
   8  Refuse to Answer
   9  Not Applicable

87. During the last 4 weeks, how many days per week did you have at least one drink of any alcoholic beverage?
   __ __ Days
   777  Don't Know
   888  Refuse to Answer
   99   Not Applicable

88. Considering all types of alcoholic beverages, how many times during the last 4 weeks did you have 5 or more drinks on a single occasion?
   __ __ Times
   97   Don't Know
   98   Refuse to Answer

We are interested in how the relocations may affect your access to health care. To gauge this, we need to know about your current health care practices.

89. Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs or government plans such as medicare, peachcare, or veterans administration?
   0  No
   7  Don't Know
   8  Refuse to Answer

90. Is there a place where you usually go to when you are sick or need advice about your health? (Choose one)
   1  Yes
   2  There is no place
   3  There is more than one place
   777 Don't Know
   888 Refuse to Answer

If 90 is equal to 2, then skip to 92.

91. What kind of place is it? A clinic, doctor's office, emergency room, or some other place? (if more than one place, probe for the one the respondent goes to most often) (Choose one)

01 Clinic or health center
02 Doctors office or HMO
03 Grady Emergency Room
04 Some Other Hospital emergency room
05 Hospital outpatient department
06 Some other place
07 Doesn't go to one place most often
97 Don't Know
98 Refuse to Answer
92. About how long has it been since you last visited a doctor for a routine checkup? A routine check up is a general physical exam. (Choose one)
   1 Within the past year (anytime less than 12 months ago)
   2 Within past 2 years (over 1 year but less than 2 years ago)
   3 Within past 5 years (over 3 years but less than 5 years ago)
   4 5 or more years ago
   5 Never
   6 Don't Know
   8 Refuse to Answer

93. There are many reasons people do not get medical care. During the past 12 months, did you or your children not get care because you couldn't afford it?
   1 Yes
   0 No
   7 Don't Know
   8 Refuse to Answer
   9 Not Applicable

94. During the past 12 months, did you or your children not get health care because you didn't have transportation?
   1 Yes
   0 No
   7 Don't Know
   8 Refuse to Answer
   9 Not Applicable

Please tell me how much you agree or disagree with the statements listed below?
   95a. I feel that I'm a person of worth, at least on an equal basis with others. (Choose one)
       1 Strongly Disagree
       2 Disagree
       3 No Opinion
       4 Agree
       5 Strongly Agree
       7 Don't Know
       8 Refuse to Answer

   95b. I feel I do not have much to be proud of. (Choose one)
       1 Strongly Disagree
       2 Disagree
       3 No Opinion
       4 Agree
       5 Strongly Agree
       7 Don't Know
       8 Refuse to Answer

   95c. I feel that I have a number of good qualities. (Choose one)
       1 Strongly Disagree
       2 Disagree
       3 No Opinion
       4 Agree
       5 Strongly Agree
       7 Don't Know
       8 Refuse to Answer
95d. All in all, I am inclined (leaning towards feeling) to feel that I am a failure. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95e. I am able to do things as well as most other people. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95f. I certainly feel useless at times. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95g. I take a positive attitude toward myself. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95h. I wish I could have more respect for myself. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95i. At times I think I am no good at all. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer

95j. On the whole, I am satisfied with myself. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
6 Don't Know
7 Refuse to Answer
For the items listed below, indicate how often you have felt that way during the last 7 days, including today.

### 96a. I felt that I was just as good as other people
(Choose one)

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<th>Some or a little of the time</th>
<th>Occasionally or a moderate amount of time</th>
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### 96b. I was happy.
(Choose one)

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### 96c. I felt hopeful about the future.
(Choose one)

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### 96d. I had trouble keeping my mind on what I was doing.
(Choose one)

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### 96e. I felt depressed.
(Choose one)

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### 96f. My sleep was restless.
(Choose one)

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<td>96g. I could not get going. (Choose one)</td>
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| 96h. I had crying spells. (Choose one) | 1 | Rarely or none of the time |
|                                      | 2 | Some or a little of the time |
|                                      | 3 | Occasionally or a moderate amount of time |
|                                      | 4 | Most of the time |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |

| 96i. I enjoyed life. (Choose one) | 1 | Rarely or none of the time |
|                                      | 2 | Some or a little of the time |
|                                      | 3 | Occasionally or a moderate amount of time |
|                                      | 4 | Most of the time |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |

| 96j. I felt that everything I did was an effort. (Choose one) | 1 | Rarely or none of the time |
|                                      | 2 | Some or a little of the time |
|                                      | 3 | Occasionally or a moderate amount of time |
|                                      | 4 | Most of the time |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |

| 96k. I felt people disliked me. (Choose one) | 1 | Rarely or none of the time |
|                                      | 2 | Some or a little of the time |
|                                      | 3 | Occasionally or a moderate amount of time |
|                                      | 4 | Most of the time |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |

| 96l. People were unfriendly. (Choose one) | 1 | Rarely or none of the time |
|                                      | 2 | Some or a little of the time |
|                                      | 3 | Occasionally or a moderate amount of time |
|                                      | 4 | Most of the time |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |

For each of the following statements, which response best reflects your level of agreement?

| 97a. There is really no way I can solve some of the problems I have. (Choose one) | 1 | Strongly Disagree |
|                                      | 2 | Disagree |
|                                      | 3 | No Opinion |
|                                      | 4 | Agree |
|                                      | 5 | Strongly Agree |
|                                      | 7 | Don't Know |
|                                      | 8 | Refuse to Answer |
97b. Sometimes I feel that I am being pushed around in life. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer

97c. I have little control over the bad things that happen to me. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer

97d. I can do just about anything I really set my mind to. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer

97e. I often feel helpless in dealing with the problems of life. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer

97f. What happens to me in the future mostly depends on me. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer

97g. There is little I can do to change many of the important things in my life. (Choose one)
1 Strongly Disagree
2 Disagree
3 No Opinion
4 Agree
5 Strongly Agree
7 Don't Know
8 Refuse to Answer
Social Relationships

98. Is there a person in your family with whom you can really share your very private feelings and concerns?

1   Yes
0   No
7   Don't Know
8   Refuse to Answer

99. Is there a friend outside your family with whom you can really share your very private feelings and concerns?

1   Yes
0   No
7   Don't Know
8   Refuse to Answer

The following questions are about friends, neighbors and relatives other than spouse, children or parents.

100a. How often do they make you feel loved and cared for? (Choose one)

1   Never
2   Rarely
3   Occasionally
4   Frequently
5   All the time
7   Don't Know
8   Refuse to Answer

100b. How often do they make too many demands on you? (Choose one)

1   Never
2   Rarely
3   Occasionally
4   Frequently
5   All the time
7   Don't Know
8   Refuse to Answer

100c. How often are they willing to listen to you when you need to talk about your worries or problems? (Choose one)

1   Never
2   Rarely
3   Occasionally
4   Frequently
5   All the time
7   Don't Know
8   Refuse to Answer

100d. How often are they critical of what you do? (Choose one)

1   Never
2   Rarely
3   Occasionally
4   Frequently
5   All the time
7   Don't Know
8   Refuse to Answer
101. How many of your friends live in your public housing community? (Choose one)  
1 None  
2 A few  
3 Most  
4 All  
5 Don’t Know  
6 Refuse to Answer

102. Have you given help with transportation, errands or shopping?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

103. Have you given help with housework, yard work, repairs, or other work around the house?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

104. Have you given help with advice, encouragement or moral support?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

105. Have you given help with baby-sitting or child care?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

Now we are interested in the help and support that you receive from people (Other than a spouse). We are interested in help that is not paid for. During the past month have you RECEIVED the following kinds of help from neighbors, friends or relatives living in the public housing community?  

106. Have you received help with transportation, errands or shopping?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

107. Have you received help with housework, yard work, repairs, or other work around the house?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

108. Have you received help with advice, encouragement or moral support?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer

If 31 is equal to 0, then skip to instruction before 110.

109. Have you received help with baby-sitting or child care?  
1 Yes  
0 No  
7 Don’t Know  
8 Refuse to Answer
110. Did the Atlanta Housing Authority come to your Public housing residents' meeting to tell you about their plan to demolish other public housing communities?
   
   1  Yes
   0  No             \textbf{Skip to 115}
   7  Don't Know
   8  Refuse to Answer

111. How many residents' meetings did AHA attend? (Choose one)
   
   0  None
   1  One
   2  Two
   3  3 or more times
   7  Don't Know
   8  Refuse to Answer

112. If AHA came to your community, did you attend any of the meetings with AHA?
   
   1  Yes
   2  No            \textbf{Skip to 115}
   7  Don't Know
   8  Refuse to Answer

113. Did AHA show you the HUD application for demolitions at the meeting?
   
   1  Yes
   0  No
   7  Don't Know
   8  Refuse to Answer

114. Did you feel that you were able to provide input to AHA about the relocations?
   
   1  Yes
   0  No
   7  Don't Know
   8  Refuse to Answer

115. Has AHA notified you that you might have to move in the future?
   
   1  Yes
   0  No            \textbf{Skip to 119}
   7  Don't Know
   8  Refuse to Answer

116. Are the buildings in your public housing community physically run-down beyond repair?
   
   1  Yes
   0  No
   7  Don't Know
   8  Refuse to Answer

117. In your opinion, should AHA dollars be spent on renovation of public housing or relocation of residents? (Choose one)
   
   1  Renovation
   2  Relocation
   3  Both
   4  Neither - some other plan
   7  Don't Know
   8  Refuse to Answer
118. Which would you prefer, to fix up your public housing community or to relocate? (Choose one)  
1 Fix Up Public Housing Community  
2 Relocate  
7 Don't Know  
8 Refuse to Answer

119. If given the choice, how ready are you to leave public housing right now? (Even though you DON'T have to move!) (Choose one)  
1 not at all ready  
2 somewhat ready  
3 ready  
4 very ready  
777 Don't Know  
888 Refuse to Answer

120. How confident are you that after the relocation residents will have a place to live that is as good or better than the home in which they are currently living? (Choose one)  
1 I am very confident that they will have such a home.  
2 I am somewhat confident that they will have such a home.  
3 I am not very confident that they will have such a home.  
4 I strongly doubt that they will have such a home.  
7 Don't Know  
8 Refuse to Answer

For the next statements, please tell me whether you think each aspect of the planned relocation program will or will not be a problem for residents that have to move.

121a. Have enough money for a down payment (deposit) on section 8 housing. Is this... (Choose one)  
1 Not a Problem  
2 Somewhat of a Problem  
3 A Big Problem  
777 Don't Know  
888 Refuse to Answer

121b. Be able to get to work from my new home. Is this... (Choose one)  
1 Not a Problem  
2 Somewhat of a Problem  
3 A Big Problem  
777 Don't Know  
888 Refuse to Answer

If 31 is equal to 0, then skip to 121d.

121c. Find good schools for my children. Is this... (Choose one)  
1 Not a Problem  
2 Somewhat of a Problem  
3 A Big Problem  
777 Don't Know  
888 Refuse to Answer

121d. Get to my doctor or health clinic from my new home. Is this... (Choose one)  
1 Not a Problem  
2 Somewhat of a Problem  
3 A Big Problem  
777 Don't Know  
888 Refuse to Answer
121e. Have neighbors who can help me in an emergency. Is this... (Choose one)

1     Not a Problem
2     Somewhat of a Problem
3     A Big Problem
777   Don't Know
888   Refuse to Answer

121h. Find a good job or keep my current job. Is this... (Choose one)

1     Not a Problem
2     Somewhat of a Problem
3     A Big Problem
777   Don't Know
888   Refuse to Answer

If 31 is equal to 0, then skip to instruction before 122a.

121i. Find good quality child care near my new home. Is this... (Choose one)

1     Not a Problem
2     Somewhat of a Problem
3     A Big Problem
777   Don't Know
888   Refuse to Answer

For each of the following statements, please tell me how you agree or disagree.

122a. Since hearing about the relocations of other public housing communities, my future feels very uncertain and insecure. (Choose one)

1     Strongly disagree
2     Disagree
3     No Opinion
4     Agree
5     Strongly Agree
777   Don't Know
888   Refuse to Answer

122b. I've been having trouble sleeping since I learned of the planned relocations of other public housing communities. (Choose one)

1     Strongly disagree
2     Disagree
3     No Opinion
4     Agree
5     Strongly Agree
777   Don't Know
888   Refuse to Answer

122h. I feel that AHA has done a very good job of planning the relocation of other public housing communities. (Choose one)

1     Strongly disagree
2     Disagree
3     No Opinion
4     Agree
5     Strongly Agree
777   Don't Know
888   Refuse to Answer
122i. I am worried that there are not enough subsidized homes available for all the relocated residents. (Choose one)

1 Strongly disagree  
2 Disagree  
3 No Opinion  
4 Agree  
5 Strongly agree  
777 Don't Know  
888 Refuse to Answer
123. Why do you think the relocations are taking place?
124. That's all the specific questions I have. Is there anything else that you would like to tell me about your home, experiences, the relocations or any suggestions that you might have for improving housing programs? __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __
Appendix B. 6-Month Post CAPI11-19-09 3

6 month post relocation design 09_25 EOD (English)

Q1. What is the ID number of the INTERVIEWER? __ __ __ __
Q2. What is the ID number of the RESPONDENT? __ __ __ __
Q3. Interviewer, please enter the group code (A or B). (completed pre-move survey then choose A, if did not complete a pre-move survey summer 2009 then choose B) (Choose one)

0 Completed premove
1 did not complete pre-move

Q4. This neighborhood is a good place to raise kids. Do you strongly disagree, disagree, have no opinoin, agree or strongly agree? (Choose one) (Choose one)

1 Strongly disagree
2 Disagree
3 No opinion
4 Agree
5 Strongly agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q5. People around here are willing to help neighbors. Do you.... (Choose one) (Choose one)

1 Strongly disagree
2 Disagree
3 No opinion
4 Agree
5 Strongly agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q6. People in this neighborhood generally don't get along with each other. Do you.... (Choose one) (Choose one)

1 Strongly disagree
2 Disagree
3 No opinion
4 Agree
5 Strongly agree
7 Don't Know
8 Refuse to Answer
9 Not Applicable
Q7. People in this neighborhood can be trusted. Do you.... (Choose one) (Choose one)

1  Strongly disagree
2  Disagree
3  No opinion
4  Agree
5  Strongly agree
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q8. People in this neighborhood do not share the same values. Do you.... (Choose one) (Choose one)

1  Strongly disagree
2  Disagree
3  No opinion
4  Agree
5  Strongly agree
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q9. When I'm in my neighborhood I feel I'm in a place that is my home. Do you.... (Choose one) (Choose one)

1  Strongly disagree
2  Disagree
3  No opinion
4  Agree
5  Strongly agree
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q10. When I'm in my neighborhood I feel I'm in a place that holds a lot of meaning to me. Do you.... (Choose one) (Choose one)

1  Strongly disagree
2  Disagree
3  No opinion
4  Agree
5  Strongly agree
7  Don't Know
8  Refuse to Answer
9  Not Applicable
Q11. When I'm in my neighborhood I feel I'm in a place where I belong. Do you.... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q12. When I'm in my neighborhood I feel I'm in a place I'd miss if I had to leave. Do you.... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q13. When I'm in my neighborhood I feel I'm in a place I'm proud of. Do you.... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q14. When I'm in my neighborhood I feel I'm in a place that's important to me. Do you.... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable
Q15. Which of the following statements best describes how satisfied you are with your neighborhood? Would you say you are... Very Satisfied, Somewhat Satisfied, In the Middle, Somewhat Dissatisfied, or Very Dissatisfied (Choose one) (Choose one)  

1 Very Satisfied  
2 Somewhat Satisfied  
3 In the Middle  
4 Somewhat Dissatisfied  
5 Very Dissatisfied  
6 Don’t Know  
7 Refuse to Answer  
8 Not Applicable  

Q16. People do not respect rules or the law here. Do you... Strongly Disagree, Disagree, Have No Opinion, Agree, or Strongly Agree? (Choose one) (Choose one)  

1 Strongly disagree  
2 Disagree  
3 No opinion  
4 Agree  
5 Strongly agree  
6 Don’t Know  
7 Refuse to Answer  
8 Not Applicable  

Q17. There is too much crime and violence in this neighborhood. Do you... (Choose one) (Choose one)  

1 Strongly disagree  
2 Disagree  
3 No opinion  
4 Agree  
5 Strongly agree  
6 Don’t Know  
7 Refuse to Answer  
8 Not Applicable  

Q18. Too many abandoned or run-down buildings here. Do you... (Choose one) (Choose one)  

1 Strongly disagree  
2 Disagree  
3 No opinion  
4 Agree  
5 Strongly agree  
6 Don’t Know  
7 Refuse to Answer  
8 Not Applicable
Q19. The police are usually not available around here when you actually need them. Do you…..

(Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q20. There is not enough public transportation in this area. Do you... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q21. Parents do not supervise their children around here. Do you... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q22. Too many people here cannot find jobs. Do you... (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable
Q23. If local children were skipping school and hanging out on a nearby street corner? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) Very Unlikely, Somewhat Unlikely, 50-50 Chance, Somewhat Likely, or Very Likely (Choose one) (Choose one)

Q24. If children were spray-painting on a local building? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one) (Choose one)

Q25. If children were showing disrespect to an adult? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one) (Choose one)

Q26. If a fight broke out in front of their home? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one) (Choose one)
Q27. If the fire station closest to your home was threatened with budget cuts? (How likely is it that at least several of your neighbors would try to do something to improve the situation or reduce the problem?) (Choose one) (Choose one)

- Very Unlikely
- Somewhat Unlikely
- 50-50 Chance
- Somewhat Likely
- Very Likely
- Don't Know
- Refuse to Answer
- Not Applicable

Q28. Having someone break into your home while you are away? Not at all afraid, Not very afraid, Somewhat afraid, Afraid, or Very Afraid (Choose one) (Choose one)

- Not at all afraid
- Not very afraid
- Somewhat afraid
- Afraid
- Very afraid
- Don't Know
- Refuse to Answer
- Not Applicable

Q29. Having someone break into your home while you are at home? (Choose one) (Choose one)

- Not at all afraid
- Not very afraid
- Somewhat afraid
- Afraid
- Very afraid
- Don't Know
- Refuse to Answer
- Not Applicable

Q30. Having something taken from you by force? (Choose one) (Choose one)

- Not at all afraid
- Not very afraid
- Somewhat afraid
- Afraid
- Very afraid
- Don't Know
- Refuse to Answer
- Not Applicable
Q31. Being threatened with a weapon? (Choose one) (Choose one)
1 Not at all afraid
2 Not very afraid
3 Somewhat afraid
4 Afraid
5 Very afraid
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q32. Being beaten by a stranger? (Choose one) (Choose one)
1 Not at all afraid
2 Not very afraid
3 Somewhat afraid
4 Afraid
5 Very afraid
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q33. Having your car stolen? (Choose one) (Choose one)
1 Not at all afraid
2 Not very afraid
3 Somewhat afraid
4 Afraid
5 Very afraid
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q34. Finding out that someone was robbed near your home? (Choose one) (Choose one)
1 Not at all afraid
2 Not very afraid
3 Somewhat afraid
4 Afraid
5 Very afraid
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q35. Being robbed or mugged on the street? (Choose one) (Choose one)
1 Not at all afraid
2 Not very afraid
3 Somewhat afraid
4 Afraid
5 Very afraid
7 Don't Know
8 Refuse to Answer
9 Not Applicable
Q36. Finding out that someone was murdered near your home? (Choose one) (Choose one)

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<th>Not at all afraid</th>
<th>Not very afraid</th>
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Q37. Being murdered? (Choose one) (Choose one)

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<th>Not very afraid</th>
<th>Somewhat afraid</th>
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Q38. Having someone break into my home while I am away?? (Choose one) Certain it will not happen to me, It will not happen to me, it may or may not happen to me, it will happen to me, Certain it will happen to me (Choose one)

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<th>Certain it will not happen to me</th>
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<th>It may or may not happen to me</th>
<th>It will happen to me</th>
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Q39. Having someone break into my home while I am at home?(Choose one) (Choose one)

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<td>Q40. Having something taken from me by force?</td>
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| Q41. Being threatened with a weapon? | 0 | Certain it will not happen to me |
| (Choose one) (Choose one) | 1 | It will not happen to me |
| | 2 | It may or may not happen to me |
| | 3 | It will happen to me |
| | 4 | Certain it will happen to me |
| | 7 | Don't Know |
| | 8 | Refuse to Answer |
| | 9 | Not Applicable |

| Q42. Being beaten by a stranger? | 0 | Certain it will not happen to me |
| (Choose one) (Choose one) | 1 | It will not happen to me |
| | 2 | It may or may not happen to me |
| | 3 | It will happen to me |
| | 4 | Certain it will happen to me |
| | 7 | Don't Know |
| | 8 | Refuse to Answer |
| | 9 | Not Applicable |

| Q43. Having your car stolen? | 0 | Certain it will not happen to me |
| (Choose one) (Choose one) | 1 | It will not happen to me |
| | 2 | It may or may not happen to me |
| | 3 | It will happen to me |
| | 4 | Certain it will happen to me |
| | 7 | Don't Know |
| | 8 | Refuse to Answer |
| | 9 | Not Applicable |
### Q44. Finding out someone was robbed near your home?

(Choose one) (Choose one)

- 0: Certain it will not happen to me
- 1: It will not happen to me
- 2: It may or may not happen to me
- 3: It will happen to me
- 4: Certain it will happen to me
- 7: Don't Know
- 8: Refuse to Answer
- 9: Not Applicable

### Q45. Finding out someone was murdered near your home?

(Choose one) (Choose one)

- 0: Certain it will not happen to me
- 1: It will not happen to me
- 2: It may or may not happen to me
- 3: It will happen to me
- 4: Certain it will happen to me
- 7: Don't Know
- 8: Refuse to Answer
- 9: Not Applicable

### Q46. Being robbed or mugged on the street?

(Choose one) (Choose one)

- 0: Certain it will not happen to me
- 1: It will not happen to me
- 2: It may or may not happen to me
- 3: It will happen to me
- 4: Certain it will happen to me
- 7: Don't Know
- 8: Refuse to Answer
- 9: Not Applicable

### Q47. How many times has someone attacked you with a gun, knife, or other weapon since you have lived here?

(0-9999 times)

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<td>Not Applicable</td>
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### Q48. How many times has someone taken money or valuables from your home since you have lived here?

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<td>Refuse to Answer</td>
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<td>99999</td>
<td>Not Applicable</td>
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</table>
Q49. How many times has someone taken money or valuables from you personally (not your home) since you have lived here?

(0-9999 times) __ __ __ __ __

99997 Don't Know
99998 Refuse to Answer
99999 Not Applicable

Q50. How many times has someone damaged or destroyed your property since you have lived here?

(0-9999 times) __ __ __ __ __

99997 Don't Know
99998 Refuse to Answer
99999 Not Applicable

Q51. How many times has someone attacked you with a gun, knife, or other weapon since you have lived here?

__ __ __ __ __

99997 Don't Know
99998 Refuse to Answer
99999 Not Applicable

Q52. How many times has someone threatened to beat you up or attack you since you have lived here?

__ __ __ __ __

99997 Don't Know
99998 Refuse to Answer
99999 Not Applicable

Q53. How many times has someone hurt you to the point that you had bruises, cuts, broken bones, or otherwise physically injured you since you have lived here?

__ __ __ __ __

99997 Don't Know
99998 Refuse to Answer
99999 Not Applicable
Q54. What is your current living situation? Are you living in... (Choose one)

00  Public Housing
01  renting a house with a voucher
02  renting an apartment with a voucher
03  renting a house without a voucher
04  renting an apartment without a voucher
05  Living with family or relatives not paying rent (no voucher)
06  Living with family or relatives and paying rent (no voucher)
07  Living with friends and not paying rent (no voucher)
08  Living with friends and paying rent (no voucher)
09  Living in a hotel or extended stay hotel (no voucher)
10  subsidized section 8 rental (don't need a voucher)
11  Other (please specify in next screen)
97  Don't Know
98  Refuse to Answer
99  Not Applicable

*If Q54 is less than 11 or Q54 is greater than 12, then skip to Q56.*
Q55. Please specify living situation.
Q56. Overall how would you describe the condition of your current home? Would you say it was excellent, good, fair, or poor condition? (Choose one) [Note to interviewer: defined as where they live now regardless of circumstances.] (Choose one)

1 Excellent
2 Good
3 Fair
4 Poor
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q57. Not including bathrooms and hallways, how many rooms are there in your home?

________
97 Don't Know
98 Refuse to Answer
99 Not Applicable

Q58. Altogether, in the month just past, what was the total rent due for your home (not just how much you pay, Include your voucher amount and what you paid). (round to nearest dollar)

9997 Don't Know
9998 Refuse to Answer
9999 Not Applicable

Q59. Altogether, in the month just past, what was your share of the rent--what did you pay out of pocket? (if in public housing, it should be the same as previous question.) (round to nearest dollar)

9997 Don't Know
9998 Refuse to Answer
9999 Not Applicable

Q60. Altogether in the month just past, what did you pay for your gas bill?

________
9997 Don't Know
9998 Refuse to Answer
9999 Not Applicable

Q61. Altogether in the month just past, what did you pay for your electric bill?

________
9997 Don't Know
9998 Refuse to Answer
9999 Not Applicable

Q62. Altogether in the month just past, what did you pay for your water bill?

________
9997 Don't Know
9998 Refuse to Answer
9999 Not Applicable
Q63. Are you receiving any help from the Atlanta Housing Authority to pay your utilities (electric, gas, or water)?

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| 1 | Yes
| 0 | No  
| 7 | Don't Know
| 8 | Refuse to Answer
| 9 | Not Applicable

*Skip to instruction before Q65*
Q64. What kind of help did you receive for paying your utilities?
| Q65. A leaky roof or ceiling? Yes or No. | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q66. Is there a sink, toilet, hot water heater, or other plumbing that doesn't work in your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q67. Are there broken windows in your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q68. Are there exposed electrical wires or other electrical problems in your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q69. Are there mice or rats in or around your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q70. Are there pests, such as cockroaches, in or around your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
| Q71. Is there a working smoke detector in your apartment or home? | 1  Yes  
|                                      | 0  No  
|                                      | 7  Don't Know  
|                                      | 8  Refuse to Answer  
|                                      | 9  Not Applicable  |
Q72. During the last 12 months, has there been water damage to the floors or walls, or ceiling from leaks, broken pipes, heavy rain or floods?

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable  

Skip to Q75

Q73. Was the water damage due to the September 2009 flood?

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Skip to Q75

Q74. If yes, was the water damage corrected? (not to interviewer: whether damage was from the 9/2009 floods or any other reason)

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q75. Is there a stove or refrigerator that doesn't work in your apartment or home?

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q76. Is there peeling paint in your home or on its exterior?

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q77. Is there a furnace or heater that works poorly or doesn't work at all?

1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable
Q78. What is special or important to you about your new home?
Q79. Since relocating to your new home, did your household have to borrow money to pay bills? Would you say... Never, Rarely, Occasionally, Frequently, or All the Time? (Choose one)

(Choose one)

1. Never
2. Rarely
3. Occasionally
4. Frequently
5. All the Time
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q80. Since relocating to your new home, how often did your household put off buying something you need because you didn't have money? Would you say... (Choose one) (Choose one)

(Choose one)

1. Never
2. Rarely
3. Occasionally
4. Frequently
5. All the Time
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q81. Since relocating to your new home, how often did the food you buy run out, but you didn't have money to get more. Would you say... (Choose one) (Choose one)

(Choose one)

1. Never
2. Rarely
3. Occasionally
4. Frequently
5. All the Time
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q82. Since relocating to your new home, how often did you cut the size of your family's meals or skip meals because there wasn't enough money for food? Would you say... (Choose one) (Choose one)

(Choose one)

1. Never
2. Rarely
3. Occasionally
4. Frequently
5. All the Time
7. Don't Know
8. Refuse to Answer
9. Not Applicable
Q83. Since relocating to your new home, did you rely on only a few kinds of low-cost foods to feed your household because you were running out of money to buy food? OFTEN TRUE, SOME-TIMES TRUE, NEVER TRUE (Choose One) (Choose one)

1 Often true
2 Sometimes true
3 Never true
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q84. Since you relocated to your new home, did {you/you or other adults in your household} ever not eat for a whole day because there wasn't enough money for food? Yes or No

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Skip to Q86

Q85. How often did this happen? would you say, almost every month, some months but not every month, or In only 1 or 2 months? (Choose One) (Choose one)

1 almost every month
2 some months but not every month
3 In only 1 or 2 months
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Skip to Q86

Q86. Since you relocated, how often did your family get emergency food from a church, a food pantry, a food bank, or eat in a soup kitchen? Would you say... (Choose one) (Choose one)

1 Never
2 Rarely
3 Occasionally
4 Frequently
5 All the Time
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q87. People sometimes have trouble paying their bills on time. Since you relocated to your new home, were you ever more than 15 days late paying your rent? Yes or No.

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable
Q88. Since you relocated to your new home, have you been threatened with eviction or received an eviction notice for late rent payment?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q89. Since you relocated, have you been evicted or received an eviction notice for any other reason? (including relocation)

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q90. Since you relocated, at the end of most months, what was your household's financial situation?
We had more than enough money left over, We had some money left over, We had just enough to make ends meet, We did not have enough to make ends meet (Choose one) (Choose one)

1 we had more than enough money left over
2 we had some money left over
3 we had just enough to make ends meet
4 we did not have enough to make ends meet
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q91. Since relocating to your new home, did you or anyone in your family (in your household) participate in the women, infant, and children (WIC) nutrition program or the Elderly Nutrition Program?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q92. {Are you/Is PERSON NAME} now authorized to receive help from this program?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

**Skip to instruction before Q94**
Q93. About how much do you get each month in food stamp benefits?

| ___ ___ ___ ___ | Don’t Know
| 99997          | Refuse to Answer
| 99998          | Not Applicable

Q94. Are you currently... (Choose one) Married, Divorced, Widowed, Separated, Never married, Living with someone, but not married (Choose one)

1     Married
2     Divorced
3     Widowed
4     Separated
5     Never Married
6     Living with someone, but not married
7     Don’t Know
8     Refuse to Answer
9     Not Applicable

Q95. What is your birthdate?

| ___ ___ / ___ ___ / ___ ___ ___ | mm / dd / yyyy
| 2097                          | Don’t Know (Year)
| 2098                          | Refuse to Answer (Year)
| 2099                          | Not Applicable (Year)

Q96. How many children under 18 years of age live in your household? (Children that you are rearing full time)

| ___ ___ | Skip to Q98
| 00      | zero
| 77      | Don’t Know
| 88      | Refuse to Answer
| 99      | Not Applicable

Q97. Do any of your children have health conditions or problems?

| ___ ___ | Skip to Q98
| 1       | Yes
| 0       | No
| 7       | Don’t Know
| 8       | Refuse to Answer
| 9       | Not Applicable

Q98. How many adults beside yourself live in your household?

| ___ ___ | Skip to Q101
| 00      | zero
| 77      | Don’t Know
| 88      | Refuse to Answer
| 99      | Not Applicable
Q99. Do any of the other adults living in your household need full time care due to a mental or physical health disability? Yes or No

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| 0 | No  | *Skip to Q101*
| 7 | Don't Know |
| 8 | Refuse to Answer |
| 9 | Not Applicable | *Skip to Q101*

Q100. For what health reason does the adult living in your household need full time health care?

*Blank space for answer*
Q101. Have you completed any schooling in the last 12 months? Yes or No

1 Yes
0 No  Skip to Q104
7 Don't Know
8 Refuse to Answer
9 Not Applicable  Skip to Q104

Q102. If yes, what schooling have you completed? (Do not read responses: pick the one that the respondent says. If it is not on the list, choose other and fill in the next question--)

Choose one:
1 High school degree
2 GED
3 One Year of College
4 Job Training Program
5 Other
7 Don't Know
8 Refuse to Answer
9 Not Applicable

If Q102 is less than 5, then skip to Q104.

Q103. Please specify other

Q104. Are you currently working full or part time? (Choose one)

Choose one:
1 Yes, working full time (35 hours/week or more)
2 Yes, working part time
3 No, not working
7 Don't Know
8 Refuse to Answer
9 Not Applicable

If Q104 is less than 3, then skip to instruction before Q107.
Q105. If you are not currently working, are you (Choose one) a homemaker, retired, student, unable to work, unemployed and looking for work, OR, unemployed and not looking for work, or something else, (please specify) (Choose one)

1    Homemaker
2    Retired
3    Student
4    Unable to work
5    Unemployed and looking for work
6    Unemployed and not looking for work
7    Something else (please specify)
8    Refuse to Answer
9    Not Applicable

If Q105 is less than 7, then skip to instruction before Q107.

Q106. Please specify other

If Q104 is equal to 3, then skip to Q109.

Q107. Is your monthly earnings (meaning a paycheck and before taxes) . . . ? (Choose one) Less than $250, between $250 and $499, between $500 and $749, between $750 and $999, between $1,000 and $1,249, between $1,250 and $1,499, between $1,500 and $1,999, between $2,000 and $2,499, between $2,500 and $2,999, More than $3,000 (Choose one)

01    Less than $250
02    Between $250 and $499
03    Between $500 and $749
04    Between $750 and $999
05    Between $1,000 and $1,249
06    Between $1,250 and $1,499
07    Between $1,500 and $1,999
08    Between $2,000 and $2,499
09    Between $2,500 and $2,999
10    More than $3,000
777    Don’t Know
888    Refuse to Answer
999    Not Applicable

If Q107 is less than 10 or Q107 is greater than 10, then skip to Q109.
Q108.  About how much is that?  __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __
Q109. Is your total monthly income (before taxes)...? (Including Earnings, SSI, Child Support, Public Assistance, and any other sources of money)  (Choose one) Less than $250, between $250 and $499, between $500 and $749, between $750 and $999, between $1,000 and $1,249, between $1,250 and $1,499, between $1,500 and $1,999, between $2,000 and $2,499, between $2,500 and $2,999, More than $3,000  (Choose one)

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*If Q109 is less than 10 or Q109 is greater than 10, then skip to Q111.*
Q110. About how much is that? __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __
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Q111. Does anyone in your household own a car, van or truck that runs?

1. Yes
0. No
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q112. How long does it take you to get to the nearest bus or MARTA station? (Choose one) Less than 15 Minutes, 15-30 Minutes, 31-45 Minutes, 46 Minutes to an Hour, More than an Hour (Choose one)

1. Less than 15 minutes
2. 15-30 minutes
3. 31-45 minutes
4. 46 minutes to an hour
5. More than and hour
7. Don't Know
8. Refuse to Answer
9. Not Applicable

*If Q104 is greater than 2, then skip to Q114.*

Q113. How long does it take you to get to work? (Choose one) (Choose one)

1. Less than 15 minutes
2. 15-30 minutes
3. 31-45 minutes
4. 46 minutes to an hour
5. More than and hour
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q114. How long does it take you to get to the grocery store? (Choose one) (Choose one)

1. Less than 15 minutes
2. 15-30 minutes
3. 31-45 minutes
4. 46 minutes to an hour
5. More than and hour
7. Don't Know
8. Refuse to Answer
9. Not Applicable
Q115. How long does it take to get to your doctor or the place where you most often get health care?  
(Choose one) (Choose one)  
1 Less than 15 minutes  
2 15-30 minutes  
3 31-45 minutes  
4 46 minutes to an hour  
5 More than an hour  
7 Don't Know  
8 Refuse to Answer  
9 Not Applicable  

Q116. How long does it take to get to your church (or temple)? (Choose one) (Choose one)  
1 Less than 15 minutes  
2 15-30 minutes  
3 31-45 minutes  
4 46 minutes to an hour  
5 More than an hour  
7 Don't Know  
8 Refuse to Answer  
9 Not Applicable  

Q117. What is the full name of the Church (Synagogue, Temple or other religious institution) you attend?  

Q118. How would you compare your ability to get around town from your new home compared to your old home? (Choose one) Would you say it is: Much Easier, Somewhat easier, About the same, Somewhat Harder, Much Harder (Choose one)  
1 Much easier  
2 Somewhat easier  
3 About the same  
4 Somewhat harder  
5 Much harder  
7 Don't Know  
8 Refuse to Answer  
9 Not Applicable
Q119. Would you say your health is excellent, very good, good, fair or poor? (Choose one) Excellent, Very Good, Good, Fair, Poor (Choose one)

1. Excellent
2. Very Good
3. Good
4. Fair
5. Poor
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q120. During the past 4 weeks, how often would you say you have felt worried, tense or anxious? (Choose one) Very Often, Often, Somewhat Often, Not Very Often, Not At All (Choose one)

1. Very often
2. Often
3. Somewhat Often
4. Not Very Often
5. Not at all
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q121. During the past 4 weeks, how often would you say you have felt depressed, sad or blue? (Choose one) (Choose one)

1. Very often
2. Often
3. Somewhat Often
4. Not Very Often
5. Not at all
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q122. About how much do you weigh without shoes? (In Pounds)

---

777 Don't Know
888 Refuse to Answer
999 Not Applicable
Q123. Would you say that in the last 6 months you've gained some weight, lost some weight or stayed about the same? (Choose One) Gained, Lost, Stayed the same (Choose one)

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Q124. (Ask of Women Only) Are you currently pregnant? (press Not Applicable for men)

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Q125. During the past 4 weeks, has your health limited your ability to lift or carry groceries a lot, a little, or not at all? (Choose one) A Lot, A Little, Not At All (Choose one)

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Q126. During the past 4 weeks, has your health limited your ability to climb a flight of stairs a lot, a little, or not at all? (Choose one) A Lot, A Little, Not At All (Choose one)

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Q127. During the past 4 weeks, has your health limited your ability to walk around the neighborhood with help of equipment of any kind? a lot, a little, or not at all? (Choose one)

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Q128. During the past 12 months have you had any allergy symptoms or an allergy attack? Yes or No.

1  Yes
0  No  *Skip to Q130*
7  Don't Know
8  Refuse to Answer
9  Not Applicable  *Skip to Q130*

Q129. If yes, during the last 12 months did you visit the emergency room or urgent care center because of your allergies? Yes or No.

1  Yes
0  No
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q130. During the past 12 months did a doctor or other health professional tell you that you had a sinus infection? Yes or No.

1  Yes
0  No  *Skip to Q132*
7  Don't Know
8  Refuse to Answer
9  Not Applicable  *Skip to Q132*

Q131. If yes, during the last 12 months did you visit the emergency room or urgent care center because of your sinus infection? Yes or No.

1  Yes
0  No
7  Don't Know
8  Refuse to Answer
9  Not Applicable  *Skip to Q132*

Q132. During the last 12 months have you had an episode of asthma or an asthma attack? Yes or No.

1  Yes
0  No  *Skip to Q134*
7  Don't Know
8  Refuse to Answer
9  Not Applicable  *Skip to Q134*

Q133. If yes, during the last 12 months did you visit the emergency room or urgent care center because of your asthma? Yes or No.

1  Yes
0  No
7  Don't Know
8  Refuse to Answer
9  Not Applicable
Q134. Do you usually cough on most days for 3 consecutive months or more during the year?
Yes or No.

| 1  | Yes |
| 0  | No  | Skip to Q136 |
| 7  | Don't Know |
| 8  | Refuse to Answer |
| 9  | Not Applicable | Skip to Q136 |

Q135. For how many years have you had this cough?

______ (if less than 1 year enter 1)

| 97 | Don't Know |
| 98 | Refuse to Answer |
| 99 | Not Applicable |

Q136. In the past 12 months have you had wheezing or whistling in your chest? Yes or No

| 1  | Yes |
| 0  | No  | Skip to Q140 |
| 7  | Don't Know |
| 8  | Refuse to Answer |
| 9  | Not Applicable | Skip to Q140 |

Q137. In the past 12 months how many attacks of wheezing or whistling in your chest have you had?

______ (1 to 99)

| 997 | Don't Know |
| 998 | Refuse to Answer |
| 999 | Not Applicable |

Q138. In the past 12 months how many times have you gone to the doctor's office or the hospital emergency room for one or more of these attacks of wheezing or whistling?

________ (1 to 99)

| 997 | Don't Know |
| 998 | Refuse to Answer |
| 999 | Not Applicable |
Q139. During the past 12 months, how much did you limit your usual activities due to wheezing or whistling in your chest? Would you say…/ (Choose one) Not at all, A Little, A fair Amount, A moderate amount, A lot? (Choose one)

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Q140. During the past 12 months have you been on treatment for anemia, (tired blood) or Low blood)?

Yes or No

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Q141. In the last 12 months have you had any pain or discomfort in your chest?

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Q142. In the last six months have you had pain in your chest when you walk uphill or are in a hurry?

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Skip to Q144

Q143. How long does it take for the pain to go away? less than 10 minutes, 10 minutes or more (Choose one)

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Q144. In the past 12 months have you had shortness of breath while walking uphill or carrying groceries? Yes or No

1  Yes
0  No
7  Don’t Know
8  Refuse to Answer
9  Not Applicable

Q145. In a typical week, how many days do you exercise? (By this we mean, play ball, take a walk, ride a bicycle, swim, yoga, run, lift weights etc.)

___ __
00  zero  Skip to Q147
97  Don’t Know
98  Refuse to Answer
99  Not Applicable  Skip to Q147

Q146. On a day when you exercise, how much time do you spend working out? (Choose one)

1  Less than 15 minutes
2  15 to 30 minutes
3  31 to 45 minutes
4  1 hour or more
7  Don’t Know
8  Refuse to Answer
9  Not Applicable

Q147. Have you been told by a doctor that you have diabetes in the last 12 months? (Choose one) YES; YES, but only during pregnancy; NO; NO, Pre-Diabetes or Borderline Diabetes (Choose one)

2  Yes, but only during pregnancy
3  No
4  No, Pre-diabetes or Borderline Diabetes
7  Don’t Know
8  Refuse to Answer
9  Not Applicable

Q148. Have you been told by a doctor, nurse or other health professional that you have high blood pressure in the last 12 months? (Choose one)

1  Yes
2  Yes, but only during pregnancy
3  No
4  No, Borderline High or Pre-Hypertension
7  Don’t Know
8  Refuse to Answer
9  Not Applicable
Q149. Have you been told by a doctor, nurse or other health professional that you have asthma in the last 12 months?

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<td>Refuse to Answer</td>
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Q150. Have you been told by a doctor, nurse or other health professional that you have or had coronary heart disease, a heart attack, myocardial infarction or angina in the last 12 months?

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Q151. Have you been told by a doctor, nurse or other health professional that you have had a stroke in the last 12 months?

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Q152. Have you been told by a doctor, nurse or other health professional that you have cancer in the last 12 months?

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Q153. Have you been told by a doctor, nurse or other health professional that you have arthritis or rheumatism in the last 12 months?

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Q154. About how much do you spend in a typical month on prescription medicine? (after insurance)
   (Choose one) Nothing -- zero dollars, $1.00 - $20.00, $21.00 - $40.00, $41.00 - $60.00, $61.00 to $80.00, $81.00 - $100.00, $101.00 - $150.00, $151.00 or more (Choose one)

00 Nothing- zero dollars
01 $1.00-$20.00
02 $21.00-$40.00
03 $41.00-$60.00
04 $61.00-$80.00
05 $81.00-$100.00
06 $101.00-$150.00
07 $151.00 or more
777 Don't Know
888 Refuse to Answer
999 Not Applicable

Q155. Prescription medication can be expensive. Has there ever been a month when you were not able to afford medicine needed for a medical condition?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q156. Do you now smoke cigarettes every day, some days, or not at all? (Choose one) Every Day, Some Days, Not At All (Choose one)

1 Every day
2 Some days
3 Not at all
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q157. During the last 4 weeks, have you had at least one drink of any alcoholic beverage such as beer, wine, a malt beverage, or liquor? Yes or No

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Skip to instruction before Q160
Q158. During the last 4 weeks, how many days per week did you have at least one drink of any alcoholic beverage?

__ __Days

777 Don't Know
888 Refuse to Answer
99 Not Applicable

Q159. Considering all types of alcoholic beverages, how many times during the last 4 weeks did you have 5 or more drinks on a single occasion?

__ __Times

97 Don't Know
98 Refuse to Answer
99 Not Applicable

Q160. Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs or government plans such as medicare, peachcare, or veterans administration? Yes or No.

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Q161. If yes, can you tell me what your plan is.
Q162. Is there a place where you usually go to when you are sick or need advice about your health?
(Choose one) Yes, There is no place, or There is more than one place  (Choose one)

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Skip to Q164

Q163. What kind of place is it? A clinic, doctor's office, emergency room, or some other place? (if more than one place, probe for the one the respondent goes to most often)  (Choose one) Clinic or health center, Doctors office or HMO, Grady Emergency Room, Some Other Hospital emergency room, Hospital outpatient department, Some other place, Doesn't go to one place most often  (Choose one)

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<td>Grady Emergency Room</td>
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<td>Some other hospital emergency room</td>
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<td>Hospital outpatient department</td>
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<td>06</td>
<td>Some other place</td>
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<td>Doesn't go to one place most often</td>
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Skip to Q164

Q164. About how long has it been since you last visited a doctor for a routine checkup?  A routine check up is a general physical exam.  (Choose one) Within the past year (anytime less than 12 months ago), Within past 2 years (over 1 year but less than 2 years ago), Within past 5 years (over 3 years but less than 5 years ago), 5 or more years ago  (Choose one)

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<td>Within past 2 years (over 1 year but less than 2 years ago)</td>
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<td>Within past 5 years (over 3 years but less than 5 years ago)</td>
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Skip to Q167
Q165. Do you continue to see the same doctor/clinic that you saw prior to relocating? Yes or No

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*Skip to Q167*
Q166. If no, why did you change doctors/clinic?  

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Q167. There are many reasons people do not get medical care. Since you moved, did you or your children not get care because you couldn't afford it?

1 Yes
0 No
7 Don’t Know
8 Refuse to Answer
9 Not Applicable

Q168. Since you moved, did you or your children not get health care because you didn’t have transportation?

1 Yes
0 No
7 Don’t Know
8 Refuse to Answer
9 Not Applicable

Q169. How often do you think about your race? Would you say ..... (Choose one)

01 Never
02 Once a year
03 Once a month
04 Once a week
05 Once a day
06 Once an hour
07 Constantly
97 Don’t Know
99 Refuse to Answer
Q170. Within the last 12 months, when seeking health care, do you feel your experiences were worse than, the same as, or better than for people of other races? (NOTE TO INTERVIEWER: Offer answers D, E, and F only if the respondent does not pick A, B or C. If the respondent indicates that they do not know about other people's experiences when seeking health care, say: "This question is about your perceptions when seeking health care. It does not require specific knowledge about other people's experiences." (Choose one)

1. Worse than other races
2. The same as other races
3. Better than other races
4. Worse than some races, better than others
5. Only encountered people of same race
6. No health care in past 12 months
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q171. Within the last 30 days, have you experienced any physical symptoms, for example, a headache, an upset stomach, tensing of your muscles, or a pounding heart, as a result of how you were treated based on your race?

1. Yes
0. No
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q172. Within the past 30 days, have you felt emotionally upset, for example angry, sad or frustrated, as a result of how you were treated based on your race?

1. Yes
0. No
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q173. I feel that I'm a person of worth, at least on an equal basis with others. (Choose one) Strongly Disagree, Disagree, No Opinion, Agree, Strongly Agree (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
7. Don't Know
8. Refuse to Answer
9. Not Applicable
Q174. I feel I do not have much to be proud of. (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q175. I feel that I have a number of good qualities. (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q176. All in all, I am inclined (leaning towards feeling) to feel that I am a failure. (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable

Q177. I am able to do things as well as most other people. (Choose one) (Choose one)

1. Strongly disagree
2. Disagree
3. No opinion
4. Agree
5. Strongly agree
6. Don't Know
7. Refuse to Answer
8. Not Applicable
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<tr>
<th>Q178.</th>
<th>I certainly feel useless at times. (Choose one) (Choose one)</th>
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<tr>
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<td>1 Strongly disagree</td>
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<th>Q179.</th>
<th>I take a positive attitude toward myself. (Choose one) (Choose one)</th>
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<th>Q180.</th>
<th>I wish I could have more respect for myself. (Choose one) (Choose one)</th>
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<th>Q181.</th>
<th>At times I think I am no good at all. (Choose one) (Choose one)</th>
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<td>1 Strongly disagree</td>
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Q182. On the whole, I am satisfied with myself. (Choose one) (Choose one)

1 Strongly disagree
2 Disagree
3 No opinion
4 Agree
5 Strongly agree
6 Don't know
7 Refuse to answer
8 Not applicable

Q183. I felt that I was just as good as other people during the last 7 days. (Choose one) Rarely or none of the time, Some or a little of the time, Occasionally or a moderate amount of time, Most of the time (Choose one)

1 Rarely or none of the time
2 Some or a little of the time
3 Occasionally or a moderate amount of time
4 Most of the time
5 Don't know
6 Refuse to answer
7 Not applicable

Q184. I was happy during the last 7 days. would you say (Choose one) (Choose one)

1 Rarely or none of the time
2 Some or a little of the time
3 Occasionally or a moderate amount of time
4 Most of the time
5 Don't know
6 Refuse to answer
7 Not applicable

Q185. I felt hopeful about the future during the last 7 days. would you say ...(Choose one) (Choose one)

1 Rarely or none of the time
2 Some or a little of the time
3 Occasionally or a moderate amount of time
4 Most of the time
5 Don't know
6 Refuse to answer
7 Not applicable
Q186. I had trouble keeping my mind on what I was doing.  (Choose one)  (Choose one)

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<th>Occasionally or a moderate amount of time</th>
<th>Most of the time</th>
<th>Don't Know</th>
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Q187. I felt depressed.  (Choose one)  (Choose one)

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<th>Some or a little of the time</th>
<th>Occasionally or a moderate amount of time</th>
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Q188. My sleep was restless.  (Choose one)  (Choose one)

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Q189. I could not get going.  (Choose one)  (Choose one)

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Q190. I had crying spells.  (Choose one)  (Choose one)

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Q191. I enjoyed life. (Choose one) (Choose one)

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Q192. I felt that everything I did was an effort. (Choose one) (Choose one)

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Q193. I felt people disliked me. (Choose one) (Choose one)

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Q194. People were unfriendly. (Choose one) (Choose one)

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Q195. Faintness or dizziness during the last 7 days. would you say (Choose one) Not at all, A little bit, Moderately, Quite a bit, Extremely (Choose one)

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Q196. Nervousness or shakiness inside during the last 7 days. would you say... (Choose one)

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q197. Pains in heart or chest during the last 7 days. would you say... (Choose one)

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q198. Feeling tense or keyed up (Choose one)

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q199. Nausea or upset stomach (Choose one)

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q200. Suddenly scared for no reason (Choose one)

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
7 Don't Know
8 Refuse to Answer
9 Not Applicable
| Q201. | Trouble getting your breath  (Choose one) | 0 | Not at all |
|       |                                          | 1 | A little bit |
|       |                                          | 2 | Moderately |
|       |                                          | 3 | Quite a bit |
|       |                                          | 4 | Extremely |
|       |                                          | 7 | Don't Know |
|       |                                          | 8 | Refuse to Answer |
|       |                                          | 9 | Not Applicable |
| Q202. | Spells of terror or panic  (Choose one)   | 0 | Not at all |
|       |                                          | 1 | A little bit |
|       |                                          | 2 | Moderately |
|       |                                          | 3 | Quite a bit |
|       |                                          | 4 | Extremely |
|       |                                          | 7 | Don't Know |
|       |                                          | 8 | Refuse to Answer |
|       |                                          | 9 | Not Applicable |
| Q203. | Numbness or tingling in parts of your body (Choose one) | 0 | Not at all |
|       |                                          | 1 | A little bit |
|       |                                          | 2 | Moderately |
|       |                                          | 3 | Quite a bit |
|       |                                          | 4 | Extremely |
|       |                                          | 7 | Don't Know |
|       |                                          | 8 | Refuse to Answer |
|       |                                          | 9 | Not Applicable |
| Q204. | Feeling so restless you couldn't sit still (Choose one) | 0 | Not at all |
|       |                                          | 1 | A little bit |
|       |                                          | 2 | Moderately |
|       |                                          | 3 | Quite a bit |
|       |                                          | 4 | Extremely |
|       |                                          | 7 | Don't Know |
|       |                                          | 8 | Refuse to Answer |
|       |                                          | 9 | Not Applicable |
| Q205. | Feeling weak in parts of your body  (Choose one) | 0 | Not at all |
|       |                                          | 1 | A little bit |
|       |                                          | 2 | Moderately |
|       |                                          | 3 | Quite a bit |
|       |                                          | 4 | Extremely |
|       |                                          | 7 | Don't Know |
|       |                                          | 8 | Refuse to Answer |
|       |                                          | 9 | Not Applicable |
Q206. Feeling fearful  (Choose one)  
0  Not at all  
1  A little bit  
2  Moderately  
3  Quite a bit  
4  Extremely  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q207. There is really no way I can solve some of the problems I have. (Choose one) Strongly Disagree, Disagree, No Opinion, Agree, Strongly Agree  (Choose one)  
1  Strongly disagree  
2  Disagree  
3  No opinion  
4  Agree  
5  Strongly agree  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q208. Sometimes I feel that I am being pushed around in life. (Choose one)  (Choose one)  
1  Strongly disagree  
2  Disagree  
3  No opinion  
4  Agree  
5  Strongly agree  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable

Q209. I have little control over the bad things that happen to me. (Choose one)  (Choose one)  
1  Strongly disagree  
2  Disagree  
3  No opinion  
4  Agree  
5  Strongly agree  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable
Q210. I can do just about anything I really set my mind to. (Choose one) (Choose one)

1   Strongly disagree
2   Disagree
3   No opinion
4   Agree
5   Strongly agree
7   Don't Know
8   Refuse to Answer
9   Not Applicable

Q211. I often feel helpless in dealing with the problems of life. (Choose one) (Choose one)

1   Strongly disagree
2   Disagree
3   No opinion
4   Agree
5   Strongly agree
7   Don't Know
8   Refuse to Answer
9   Not Applicable

Q212. What happens to me in the future mostly depends on me. (Choose one) (Choose one)

1   Strongly disagree
2   Disagree
3   No opinion
4   Agree
5   Strongly agree
7   Don't Know
8   Refuse to Answer
9   Not Applicable

Q213. There is little I can do to change many of the important things in my life. (Choose one) (Choose one)

1   Strongly disagree
2   Disagree
3   No opinion
4   Agree
5   Strongly agree
7   Don't Know
8   Refuse to Answer
9   Not Applicable
Q214. Is there a person in your family with whom you can really share your very private feelings and concerns? Yes or no

1    Yes
0    No
7    Don't Know
8    Refuse to Answer
9    Not Applicable

Q215. Is there a friend outside your family with whom you can really share your very private feelings and concerns?

1    Yes
0    No
7    Don't Know
8    Refuse to Answer
9    Not Applicable

Q216. How often do they make you feel loved and cared for? (Choose one) Never, Rarely, Occasionally, Frequently, All the time (Choose one)

1    Never
2    Rarely
3    Occasionally
4    Frequently
5    All the time
7    Don't Know
8    Refuse to Answer
9    Not Applicable

Q217. How often do they make too many demands on you? (Choose one) (Choose one)

1    Never
2    Rarely
3    Occasionally
4    Frequently
5    All the time
7    Don't Know
8    Refuse to Answer
9    Not Applicable
Q218. How often are they willing to listen to you when you need to talk about your worries or problems? (Choose one) (Choose one)

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Q219. How often are they critical of what you do? (Choose one) (Choose one)

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Q220. How many of your friends and family from your prior public housing community live in your current neighborhood? Would you say … (Choose one) None, A few, Most, All (Choose one)

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Q221. Have you given help with transportation, errands or shopping? Yes or No

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Q222. Have you given help with housework, yard work, repairs, or other work around the house?

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Q223. Have you given help with advice, encouragement or moral support?

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Q224. Have you given help with baby-sitting or child care?

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Q225. Have you received help with transportation, errands or shopping?

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Q226. Have you received help with housework, yard work, repairs, or other work around the house?

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Q227. Have you received help with advice, encouragement or moral support?

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If Q96 is equal to 0, then skip to instruction before Q229.

Q228. Have you received help with baby-sitting or child care?

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<tr>
<th></th>
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<th>No</th>
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</table>
Q229. Looking back, how would you describe the relocation process? (probe was it stressful if they don't mention stress)
Q230. How many times have you moved since you relocated from (give name of former public housing community)?

- 0 zero
- 7 Don't Know
- 8 Refuse to Answer
- 9 Not Applicable

*Skip to instruction before Q232

If Q230 is equal to 1, then skip to Q233.
Q231. Can you tell me what the address was for the first place you moved after relocating and why you are no longer there?
If $Q230$ is equal to 2, then skip to $Q233$. 
Q232. Can you tell me what the address was for the second place you moved after relocating and why you are no longer there?
Q233. Would you say that your current home is an improvement, about the same, or worse compared to your public housing apartment? (Choose one)

1. An Improvement
2. About the same
3. Worse
4. Don't Know
5. Refuse to Answer
6. Not Applicable

Q234. Would you say there is more, less, or about the same amount of crime in your new neighborhood compared to your public housing neighborhood? (Choose one)

1. More
2. About the same
3. Less
4. Don't Know
5. Refuse to Answer
6. Not Applicable

Q235. Have you changed jobs, started a new job or are you still working at the same job since you relocated? (Choose one)

01. Changed Job
02. Started a New Job
03. Working at Same Job
04. Stopped working since relocation
05. Retired since relocation
06. Wasn't working a job then or now
07. Other Specify
97. Don't Know
98. Refuse to Answer
99. Not Applicable

If Q235 is equal to 3 or Q235 is equal to 6, then skip to Q237.
Q236. Please explain your work situation since relocating [Note to Interviewer: Probe if the relocation had any impact on the change in work situation if they don't bring it up. Things to probe for could include transportation, health issues, child care, elder care, etc. Please be as thorough as possible.]
Q237. During the relocation process, how much help did you receive from moving counselors made available by AHA? Would you say... (Choose one)

1. A lot of help
2. Some help
3. No help
4. Actually made moving harder.
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q238. How much help are you receiving NOW from moving counselors made available by AHA? Would you say... (Choose one)

1. A lot of help
2. Some help
3. No help
4. Actually making transition more difficult
7. Don't Know
8. Refuse to Answer
9. Not Applicable

Q239. Are you concerned that you may lose your new apartment or home because your landlord may be foreclosed on? Would you say... (Choose one)

1. Not at all concerned
2. Slightly Concerned
3. Somewhat concerned
4. Concerned
5. Very Concerned
7. Don't Know
8. Refuse to Answer
9. Not Applicable

If Q239 is less than 3, then skip to Q241.
Q240. What has made you concerned?
Q241. Did you receive a housing voucher from AHA when you relocated from public housing?

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<td>8</td>
<td>Refuse to Answer</td>
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<td>9</td>
<td>Not Applicable</td>
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</table>

*Skip to instruction before Q243*
Q242. Can you tell me why you didn't receive a voucher? (if difficult for respondent to answer, ask, did you think it was a fair process?)
If Q241 is equal to 0, then skip to Q247.

Q243. Since moving into your new home, have you lost your voucher or been threatened with the loss of your voucher for any reason?

1 Yes
0 No   Skip to instruction before Q245
7 Don't Know
8 Refuse to Answer
9 Not Applicable   Skip to instruction before Q245
Q244. Can you explain why you lost or were threatened with voucher loss? [Note to Interviewer: Please take down this response verbatim! PROBE: do you think it was a fair process? __ __ __ __ __ __

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If $Q54$ is greater than 2 or $Q54$ is less than 1, then skip to Q247.

Q245. Are you concerned that you may lose your voucher? Would you say... (There has been no overt threat, but the respondent may feel concerned anyway--that is what we want to get at.) (Choose one)

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<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
<td>Slightly Concerned</td>
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<td>3</td>
<td>Somewhat concerned</td>
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<td>4</td>
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<td>5</td>
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<td>7</td>
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<td>8</td>
<td>Refuse to Answer</td>
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<tr>
<td>9</td>
<td>Not Applicable</td>
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</table>
Q246. What has made you concerned you may lose your voucher? (PROBE: do you think this is a fair process?)

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Skipping instruction before Q248.

Q247. Do you think you will stay in this home for another year (renew your lease) or do you plan to move when your lease is up? Would you say... (Choose one)

1. Definitely stay another year
2. Mostly likely stay another year
3. Don't know yet
4. Most likely leave when lease is up.
5. Definitely move when lease is up
6. Don't Know
7. Refuse to Answer
8. Not Applicable

If Q247 is less than 4, then skip to Q249.
Q248. Is there any reason in particular that you are planning or wanting to move?
Q249. How do you like your current home and neighborhood so far? (probe for crime, quietness, amenities, convenience of transport and stores if they have little to say) __ __ __ __ __ __ __
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If Q96 is equal to 0, then skip to Q314.

If Q3 is equal to 0, then skip to Q312.

Q250. Is your oldest child in school?

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<td>7</td>
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<td>Refuse to Answer</td>
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<td>Not Applicable</td>
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Q251. What is your only / oldest child's birth date?

___ ___ / ___ ___ / ___ ___ mm / dd / yyyy

2097 Don't Know (Year)
2098 Refuse to Answer (Year)
2099 Not Applicable (Year)

Q252. Is this child male or female?

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Q253. What school does this child attend? (oldest child)

____________________________________________________________________________

Q254. What grade is this child (oldest) in? If child is in pre-school or kindergarten, enter 0. 1 = first grade--12 is a high school senior.

___ ___

97 Don't Know
98 Refuse to Answer
99 Not Applicable

Q255. How many of this child's friends' parents do you know? (Choose one)

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<td>2</td>
<td>Most of Them</td>
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<td>3</td>
<td>All of them</td>
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<td>Refuse to Answer</td>
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<td>Not Applicable</td>
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If Q96 is less than 2, then skip to instruction before Q310.
Q256. What is your second oldest child's birth date?

__ __ / __ __ / __ __ __ __

mm / dd / yyyy

2097 Don't Know (Year)
2098 Refuse to Answer (Year)
2099 Not Applicable (Year)

Q257. Thinking about your second oldest child, is this child male or female?

1 Male
0 Female
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q258. Is this child in school?

1 Yes
0 No
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Skip to instruction before Q262

Q259. What school does this child attend?

________________________________________

________________________________________

Q260. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1 = first grade--12 is a high school senior.

__ __

97 Don't Know
98 Refuse to Answer
99 Not Applicable

Q261. How many of this child's friends' parents do you know? (Choose one)

0 None of them
1 Some of them
2 Most of Them
3 All of them
7 Don't Know
8 Refuse to Answer
9 Not Applicable

If Q96 is less than 3, then skip to instruction before Q310.

Q262. What is your third oldest child's birth date?

__ __ / __ __ / __ __ __ __

mm / dd / yyyy

2097 Don't Know (Year)
2098 Refuse to Answer (Year)
2099 Not Applicable (Year)
Q263. Thinking about your third oldest child, is this child male or female?

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<tr>
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<td>Don't Know</td>
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<td>Refuse to Answer</td>
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Q264. Is this child in school?

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<td>7</td>
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<td>8</td>
<td>Refuse to Answer</td>
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<td>9</td>
<td>Not Applicable</td>
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Skip to instruction before Q268

Q265. What school does this child attend?

Q266. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1 = first grade--12 is a high school senior.

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<td>Refuse to Answer</td>
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Q267. How many of this child’s friends' parents do you know? (Choose one)

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<td>9</td>
<td>Not Applicable</td>
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If Q96 is less than 4, then skip to instruction before Q310.

Q268. What is your fourth oldest child's birth date?

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<tr>
<td>2097</td>
<td>Don’t Know (Year)</td>
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<tr>
<td>2098</td>
<td>Refuse to Answer (Year)</td>
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<tr>
<td>2099</td>
<td>Not Applicable (Year)</td>
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Q269. Thinking about your fourth oldest child, is this child male or female?

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<td>1</td>
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<td>Female</td>
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<td>7</td>
<td>Don’t Know</td>
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<td>8</td>
<td>Refuse to Answer</td>
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<tr>
<td>9</td>
<td>Not Applicable</td>
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</table>
Q270. Is this child in school?  
1 Yes  
0 No  
7 Don't Know  
8 Refuse to Answer  
9 Not Applicable  
*Skip to instruction before Q274*

Q271. What school does this child attend? 

Q272. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1= first grade--12 is a high school senior. 

<table>
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<tr>
<th>grade</th>
<th>response</th>
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<td>2097 Don't Know (Year)</td>
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<td>2</td>
<td>2098 Refuse to Answer (Year)</td>
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<tr>
<td>9</td>
<td>2099 Not Applicable</td>
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If Q96 is less than 5, then skip to instruction before Q310. 

Q273. How many of this child's friends' parents do you know? (Choose one) 

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<tr>
<th>choice</th>
<th>response</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None of them</td>
</tr>
<tr>
<td>1</td>
<td>Some of them</td>
</tr>
<tr>
<td>2</td>
<td>Most of Them</td>
</tr>
<tr>
<td>3</td>
<td>All of them</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Q274. What is your fifth oldest child's birth date? 

<table>
<thead>
<tr>
<th>date</th>
<th>response</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm/dd/yyyy</td>
<td>2097 Don't Know (Year)</td>
</tr>
<tr>
<td></td>
<td>2098 Refuse to Answer (Year)</td>
</tr>
<tr>
<td></td>
<td>2099 Not Applicable</td>
</tr>
</tbody>
</table>

Q275. Thinking about your fifth oldest child, Is this child male or female? 

<table>
<thead>
<tr>
<th>choice</th>
<th>response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Male</td>
</tr>
<tr>
<td>0</td>
<td>Female</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Q276. Is this child in school?  
1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable  
Skip to instruction before Q280  

Q277. What school does this child attend?  
____________________________________________________________________________________  

Q278. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1 = first grade--12 is a high school senior.  

__ __  
97  Don't Know  
98  Refuse to Answer  
99  Not Applicable  

Q279. How many of this child's friends' parents do you know? (Choose one)  
0  None of them  
1  Some of them  
2  Most of Them  
3  All of them  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable  

If Q96 is less than 6, then skip to instruction before Q310.  

Q280. What is your sixth oldest child's birth date?  
__ __ / __ __ / __ __ __ __  mm / dd / yyyy  
2097  Don't Know (Year)  
2098  Refuse to Answer (Year)  
2099  Not Applicable (Year)  

Q281. Thinking about your sixth oldest child, Is this child male or female?  
1  Male  
0  Female  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable  

Q282. Is this child in school?  
1  Yes  
0  No  
7  Don't Know  
8  Refuse to Answer  
9  Not Applicable  
Skip to instruction before Q286  

Skip to instruction before Q286
Q283. What school does this child attend?
________________________________________________________________________________________

Q284. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1 = first grade--12 is a high school senior.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>97</td>
<td>Don't Know</td>
</tr>
<tr>
<td>98</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>99</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Q285. How many of this child's friends' parents do you know? (Choose one)

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<table>
<thead>
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<tbody>
<tr>
<td>0</td>
<td>None of them</td>
</tr>
<tr>
<td>1</td>
<td>Some of them</td>
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<td>7</td>
<td>Don't Know</td>
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<tr>
<td>8</td>
<td>Refuse to Answer</td>
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<tr>
<td>9</td>
<td>Not Applicable</td>
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</table>

*If Q96 is less than 7, then skip to instruction before Q310.*

Q286. What is your seventh oldest child's birth date?

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<tbody>
<tr>
<td>2097</td>
<td>Don't Know (Year)</td>
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<tr>
<td>2098</td>
<td>Refuse to Answer (Year)</td>
</tr>
<tr>
<td>2099</td>
<td>Not Applicable (Year)</td>
</tr>
</tbody>
</table>

Q287. Thinking about your seventh oldest child, Is this child male or female?

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<tbody>
<tr>
<td>1</td>
<td>Male</td>
</tr>
<tr>
<td>0</td>
<td>Female</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
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</tbody>
</table>

Q288. Is this child in school?

<p>| | |</p>
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<tbody>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*Skip to instruction before Q292*

Q289. What school does this child attend?
________________________________________________________________________________________
Q290. What grade is this child in? If child is in pre-school or kindergarden, enter 0. 1= first grade--12 is a high school senior.

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<table>
<thead>
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<tbody>
<tr>
<td>97</td>
<td>Don't Know</td>
</tr>
<tr>
<td>98</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>99</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Q291. How many of this child's friends' parents do you know? (Choose one)

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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>None of them</td>
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<tr>
<td>1</td>
<td>Some of them</td>
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<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*If Q96 is less than 8, then skip to instruction before Q310.*

Q292. What is your youngest child's birth date?

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<tbody>
<tr>
<td>2097</td>
<td>Don't Know (Year)</td>
</tr>
<tr>
<td>2098</td>
<td>Refuse to Answer (Year)</td>
</tr>
<tr>
<td>2099</td>
<td>Not Applicable (Year)</td>
</tr>
</tbody>
</table>

Q293. Thinking about your youngest (8th) child, Is this child male or female?

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<thead>
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<tbody>
<tr>
<td>1</td>
<td>Male</td>
</tr>
<tr>
<td>0</td>
<td>Female</td>
</tr>
<tr>
<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
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</tbody>
</table>

Q294. Is this child in school?

<p>| | |</p>
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<tbody>
<tr>
<td>1</td>
<td>Yes</td>
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<tr>
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<td>No</td>
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<td>7</td>
<td>Don't Know</td>
</tr>
<tr>
<td>8</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>9</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*Skip to instruction before Q298*

Q295. What school does this child attend?

Q296. What grade is this child in? If child is in pre-school or kindergarden, enter 0. 1= first grade--12 is a high school senior.

<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>97</td>
<td>Don't Know</td>
</tr>
<tr>
<td>98</td>
<td>Refuse to Answer</td>
</tr>
<tr>
<td>99</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Q297. How many of this child's friends' parents do you know? (Choose one)

0  None of them
1  Some of them
2  Most of Them
3  All of them
7  Don't Know
8  Refuse to Answer
9  Not Applicable

If Q96 is less than 9, then skip to instruction before Q310.

Q298. What is your ninth child's birth date?  __ __ / __ __ / __ __ __ __  mm / dd / yyyy

2097  Don't Know (Year)
2098  Refuse to Answer (Year)
2099  Not Applicable (Year)

Q299. Thinking about your ninth child, Is this child male or female?

1  Male
0  Female
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q300. Is this child in school?  

1  Yes  
0  No  
7  Don't Know
8  Refuse to Answer
9  Not Applicable  

Skip to instruction before Q304

Q301. What school does this child attend?

____________________________________________________________________________________________

Q302. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1= first grade--12 is a high school senior.

__ __

97  Don't Know
98  Refuse to Answer
99  Not Applicable

Q303. How many of this child's friends' parents do you know? (Choose one)

0  None of them
1  Some of them
2  Most of Them
3  All of them
7  Don't Know
8  Refuse to Answer
9  Not Applicable
If Q96 is less than 10, then skip to instruction before Q310.

Q304. What is your youngest (or 10th) child's birth date? [Note to Interviewer: If there are more than 10 children, please use the paper roster to finish]

__ __ / __ __ / __ __ __ __  mm / dd / yyyy

2097 Don't Know (Year)
2098 Refuse to Answer (Year)
2099 Not Applicable (Year)

Q305. Thinking about your youngest (10th) child, Is this child male or female?

1 Male
0 Female
7 Don't Know
8 Refuse to Answer
9 Not Applicable

Q306. Is this child in school?

1 Yes
0 No  Skip to instruction before Q310
7 Don't Know
8 Refuse to Answer
9 Not Applicable  Skip to instruction before Q310

Q307. What school does this child attend?

________________________________________________________________________________________

Q308. What grade is this child in? If child is in pre-school or kindergarten, enter 0. 1= first grade--12 is a high school senior.

__ __ 97 Don't Know
98 Refuse to Answer
99 Not Applicable

Q309. How many of this child's friends' parents do you know? (Choose one)

0 None of them
1 Some of them
2 Most of Them
3 All of them
7 Don't Know
8 Refuse to Answer
9 Not Applicable

If Q250 is equal to 1 or Q258 is equal to 1 or Q264 is equal to 1 or Q270 is equal to 1 or Q276 is equal to 1 or Q282 is equal to 1 or Q288 is equal to 1 or Q294 is equal to 1 or Q300 is equal to 1 or Q306 is equal to 1, then skip to Q310.

Skip to Q314.
Q310. In general, on a scale of 1-5 (1 being extremely dissatisfied and 5 being extremely satisfied), how satisfied are you with your child/children's school(s) right now? (Choose one)

1  Extremely dissatisfied
2  Dissatisfied
3  Slightly satisfied
4  Satisfied
5  Extremely satisfied
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Q311. How involved are you in your child's/children's school(s)? (Choose one)

1  Not at all
2  A little
3  Somewhat
4  A great deal
7  Don't Know
8  Refuse to Answer
9  Not Applicable

Skip to Q314.

Q312. Since your move, have any of your children switched to a new school?

1  Yes
0  No  \(\text{Skip to Q314}\)
7  Don't Know
8  Refuse to Answer
9  Not Applicable  \(\text{Skip to Q314}\)
Q313. Can you tell me the name(s) of the old schools and then the names of the new school(s)? __ __
Q314. That's all the specific questions I have. Is there anything else you feel is important that we haven't touched on, such as any health care or food bank benefits you had with public housing that has changed your day-to-day living patterns?

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We are finished. Thank you so much for completing our survey. As I mentioned earlier, we would like to give you $25.00 for your time. We need you to sign a receipt for this money.