

# Jewell County Assisted Living Needs Assessment



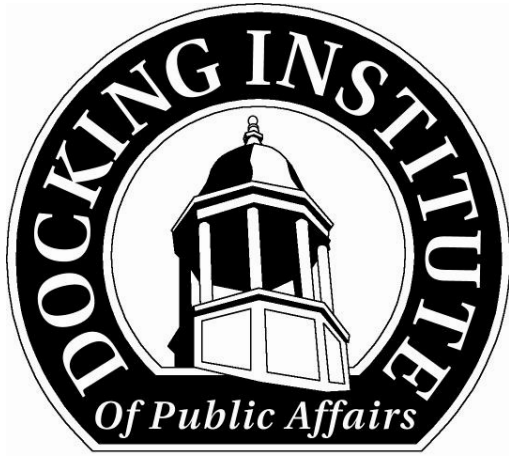
Prepared For

**Jewell County Community Development Association**

By

**The Docking Institute of Public Affairs**

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Fort Hays State University  
600 Park Street  
Hays, Kansas 67601-4099  
Telephone: (785) 628-4197  
FAX: (785) 628-4188  
[www.fhsu.edu/docking](http://www.fhsu.edu/docking)

Gary D. Brinker, PhD  
Director

Michael S. Walker, MS  
Assistant Director

Jian Sun, PhD  
Research Scientist

Bradley Pendergast, MPA  
Survey Center Manager

Lynette Ottley  
Administrative Associate

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# Jewell County Assisted Living Needs Assessment

## **Prepared By:**

Gary Brinker, Ph.D  
Director,  
Docking Institute of Public Affairs

Ryan L Swayne  
Student Research Supervisor  
Docking Institute of Public Affairs

## **Prepared For:**

Jewell County Community Development Association

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## Executive Summary

- The analysis has shown that, of the 142 respondents over the age of 75 residing in Jewell County, 19 (13.4%) are considered “Highly Likely Candidates” for assisted living services (Met all 5 Demand Indicators). Another 54 (38%) respondents met 4 of the 5 Demand Indicators, making them “Somewhat Likely Candidates” for assisted living services. Combined, they represent 73 “Likely Candidates” for assisted living identified in Jewell County.
- Almost one-third (142 respondents) of the 435 Jewell County Residents over the age of 75 (US Census) responded to the survey. It is difficult to determine the likely demand for assisted living services among the two-thirds (293) of residents over age 75 in Jewell County who did not respond to the survey. Since perceived need for assisted living services would be a natural incentive for taking the survey, it is unlikely that the demand among the 293 non-respondents over age 75 is as high as demand among the 142 respondents who completed the survey. We can anticipate that the demand is somewhat higher than measured in the study, but no empirical data exist for reliable estimates on demand among residents 75 and over who did not respond to the survey. There is also additional potential demand outside Jewell County that was not captured by the study.
- All 268 respondents to the survey met the first Demand Indicator of living within Jewell County. A total of 142 subjects (53% of total sample) met the second Demand Indicator, being 75 years of age or older.
- Fifty-two subjects (19% of total sample) met the third Demand Indicator, the Frailty Factor, which meant the quantity and degree of assistance they required with the various “Activities of Daily Living” met a minimum threshold.
- Thirty-seven percent (99 subjects) of respondents met the fourth Demand Indicator, the “Income Qualification,” meaning they have the financial means to live in an assisted living facility. This Indicator was calculated using four factors: subject’s income, home ownership, number of elderly people in household, and financial assistance from family.
- Forty percent (107 subjects) of respondents met the fifth Demand Indicator, “Living Alone,” meaning they either live alone or with one other person over the age of 75.
- Among the “Likely Candidates” for assisted living services (met at least 4 of 5 Demand Indicators), the median response for both “Fair Cost” for assisted living and “Maximum Affordable Cost” for assisted living was between \$2,000 and \$2,999 per month, but estimates for “Maximum Affordable Cost” were slightly higher.

- “Highly Likely Candidates” tended to rate their opinion of “Fair Cost” and “Maximum Affordable Cost” much more highly than “Somewhat Likely Candidates.” “Likely Candidates” who reported higher “Annual Personal Income” tended to report much higher perceptions of “Fair Cost” and “Maximum Affordable Cost” than “Likely Candidates” who reported lower incomes.
- Almost two-thirds (38 subjects) of the 59 “Likely Candidates” answering the question indicated the maximum cost per month they could afford was at least \$2,000 per person. Thirty-nine percent (23 subjects) of the 59 who reported their maximum cost per month said they could afford \$3,000 or higher.
- The most commonly desired amenities in a potential assisted living facility by “Likely Candidates” were Housekeeping Services (65), Meals Provided (64), and Apartment-Style Living (64). The least commonly desired were Money Management Assistance (11), Dormitory-Style Living (12), and an On-Site Physician (15).
- The most common “Activities of Daily Living” with which “Likely Candidates” required assistance were Light Housework (35) and Preparing Meals (33). The least common “Activities of Daily Living” with which “Likely Candidates” required assistance were Getting Out of Bed (11) and Getting Out of a Chair (11).
- The mean “Activity of Daily Living Score” for “Likely Candidates” was 5.82, meaning they required assistance, on average, with 3 to 6 activities. Nearly forty percent (27 “Likely Candidates”) reported needing no assistance with any “Activities of Daily Living.”
- Similar levels of overall perceived need for assisted living facilities in Jewell County between respondents over and under age 75 suggests that demand for an assisted living facility in Jewell County will remain stable in the near future.

## Methodology

The purpose of the study was to assess the likely demand for an assisted living facility in Jewell County, as well as to determine what amenities would be desired in such a facility.

The Jewell County Community Development Association contracted the Docking Institute of Public Affairs at Fort Hays State University to construct a paper survey to be mailed to all households in Jewell County. The Docking Institute obtained a comprehensive list of names and addresses of all households located in Jewell County from its sampling vendor, Scientific Telephone Samples, Inc.

On June 23<sup>rd</sup>, 2016, 1,400 surveys were mailed out in an envelope containing a cover letter, the survey, and a business reply envelope for the respondent to return the completed survey at no cost to them. Data collection ended on July 28<sup>th</sup>, 2016, after three days passed without receiving any new surveys.

In total, 228 completed surveys were received. This results in a response rate of 16.29% (228/1,400). Forty of the 228 completed surveys accounted for 2 or more respondents, with separate responses for each, for a total of 268 respondents. A total of 260 of these responses were from Jewell County Residents ages 65 and older, and 142 of these were from residents ages 75 and older. According to the 2010 United States Census, approximately 28% of the population of Jewell County is 65 years of age or older; this 28% is much higher than the national average of 14.5%. The census reports that approximately 435 residents of Jewell County are age 75 or older (the target population), so a total of 32.64% (142/435) of the target population responded to the survey. Since the entire population was surveyed, and no random sample was drawn, there is no margin of error.

The Jewell County Assisted Living Needs Assessment Questionnaire measured five key indicators that were used to determine the demand for an assisted living facility in Jewell County. Persons potentially eligible for assisted living will be referred to as subjects. The respondent (person who completed the questionnaire) may be the subject, or the subject's



primary caregiver. Each subject achieved a score of either one or zero on each of the five indicators, depending on whether or not they met the criterion for that indicator. Subjects who scored a 5, meaning they qualified for each indicator, are considered “Highly Likely Candidates” for assisted living, and subjects who scored a 4 are considered “Somewhat Likely Candidates” for assisted living. Both groups together are referred to as “Likely Candidates.” The following section shows the number and percentage of subjects that qualified for each category, providing an estimate of the overall demand for assisted living in Jewell County. Preferences for specific amenities, opinions of fair cost, and maximum cost subjects are willing to pay for assisted living are shown in the analysis section for subjects who scored a four or five (“Likely Candidates”).

## **Demand Analysis Methodology**

### **Indicator 1: Live in Jewell County**

If the subject lives in Jewell County, they received a “1” for this indicator. All subjects met this criterion.

### **Indicator 2: Age Qualification**

As referenced in *Senior Living Challenge: Capturing the Demand for Assisted Living Services*, written by Meredith Benedict, Stephanie Johnson, and Lisa Legeer, “The 2009 Overview of Assisted Living reports the median age of residents admitted into assisted living is 87 years old” (3). Because the U.S. Census Bureau reports statistics on the percentage of elderly requiring assistance with Activities of Daily living for ages 75 and above, The Docking Institute chose to consider any subject age 75 or older a potential candidate for assisted living. If the subject is 75 years of age or older, they received a “1” for this indicator.

### **Indicator 3: Frailty Factor**

Each of the thirteen Activities of Daily Living are scored with a number, with “0” meaning requires no assistance, “1” requires some assistance, and “2” requires much assistance to complete a given Activity of Daily Living. If the subject’s sum of all thirteen Activities of Daily Living equals 4 or greater, the subject received a “1” for this indicator.

### **Indicator 4: Income Qualification**

There are three factors that play a role in determining the subject’s ability to afford an assisted living facility and meet the income qualification: annual personal income, home ownership, and family assistance. According to the 2009 Overview of Assisted Living [Report], the median monthly service fee per unit in a freestanding ALF [Assisted Living Facility] is \$2,660 for a unit occupied by one resident and \$3,675 for a unit occupied by two related residents (Benedict, Johnson, and Legeer 3). This equates to an approximate yearly cost of \$31,920 for one person, or \$44,100 for two people. The Docking Institute followed the methodology of Dixon Hughes

Goodman, LLP in assuming that subjects with an annual income of \$25,000 for one person, or \$35,000 per year for two people, can afford assisted living from their income alone.

#### Annual Income

If the subject earns an annual income of at least \$25,000 for one person, or \$35,000 for two people, the subject received a “1” for this indicator.

#### Maximum Monthly Cost Per Person

If the subject did not indicate their annual income on the survey, but did provide their maximum monthly affordable cost of assisted living, this figure was used instead. In order to afford assisted living, a subject would need to be able to afford at least \$2,083 per month ( $\$25,000/12$ ). This cost was rounded down to \$2,000 per month. Therefore, if the subject did not report an annual income, and reported a maximum monthly affordable cost of assisted living of \$2,000 or greater, the subject received a “1” for this indicator.

#### Home Ownership

If the subject owns a home, it was assumed they could sell off that asset to help cover the cost of assisted living. Non-income qualified seniors may utilize other financial means, such as proceeds from the sale of their home or other assets, in order to assist with the cost of care (Benedict, Johnson, and Legeer 3). Using this methodology, if the subject owns a home and has an annual income of at least \$15,000 for one person, or \$25,000 for two people, the subject will receive a “1” for this indicator.

#### Family Assistance

The Docking Institute of Public Affairs chose a model that takes into account the amount of financial assistance a subject might receive from his or her family. Subjects were asked to indicate the amount of monthly assistance they anticipate receiving from their family to help cover the cost of assisted living on the following scale: “Less than \$500,” “\$500 to \$1,000,” “\$1,000 to \$2,999,” or “3,000 or More”.

To calculate family assistance, midpoint values were used. If the subject reported monthly family assistance of “Less than \$500,” it was assumed that their monthly support would be the midpoint of \$250, multiplied by twelve months, equaling \$3,000 per year. If the subject reported “\$500 to \$1,000,” it was assumed that their monthly support would be the midpoint of \$750, multiplied by twelve months, equaling \$9,000 per year. If the subject reported “\$1,000 to \$2,999,” it was assumed that their monthly support would be the midpoint of \$1,500 per month, multiplied by twelve months, equaling \$18,000 per year.

If the subject reported monthly family assistance of \$3,000 or more, it was assumed that the supporting family members would pay the full cost of assisted living per month, thus meeting the income qualification and receiving a “1” for this indicator. If the subject’s annual income was at least \$15,000, and they receive a yearly family assistance of at least \$5,000 for one person, or \$10,000 for two people, the subject received a “1” for this indicator. If the subject’s annual income was less than \$15,000, and they own a home, and they receive a yearly family assistance of at least \$7,500 for one person, or \$16,500 for two people, the subject received a “1” for this indicator.

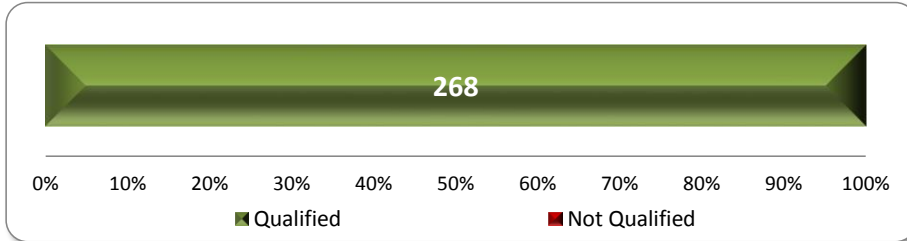
### **Indicator 5: Living Alone**

According to the U.S. Census Bureau’s 2015 Current Population Survey, about 31% of Kansas residents age 65 or older reported living alone. In addition, 57% indicated a family size of two. Subjects who live alone or with another subject over the age of 75 received a “1” for this indicator.

## Section I: Demand Analysis

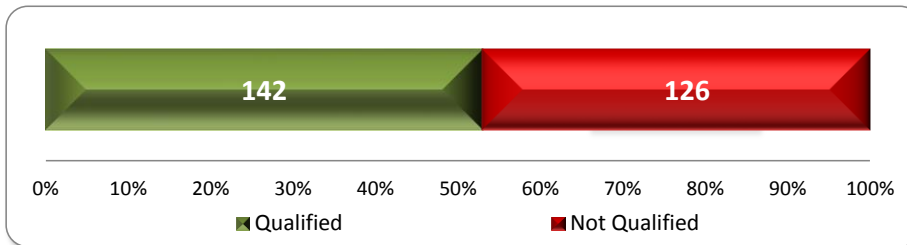
All subjects (268) met the first indicator. To qualify, a subject must live in Jewell County, or be under the care of a relative who lives in Jewell County (Figure 1).

**Figure 1: Indicator 1: Live in Jewell County**



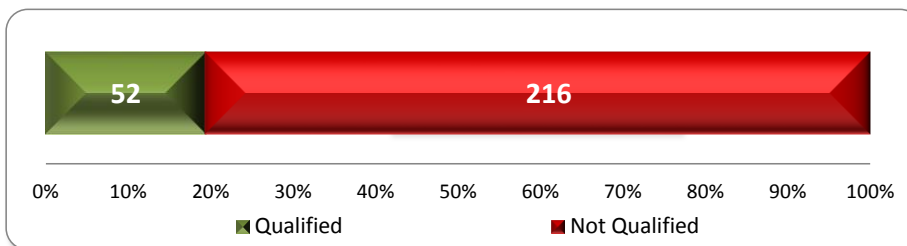
The green bar on the graph shows that fifty-three percent of subjects (142) met the second indicator, the age qualification. To qualify, a subject must be at least 75 years of age or older (Figure 2).

**Figure 2: Indicator 2: Age Qualification**



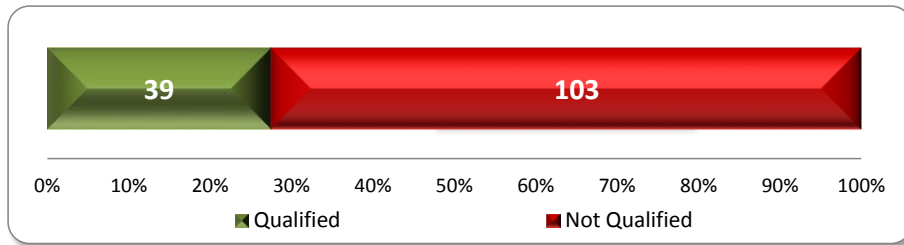
Nineteen percent (52) of all subjects met Indicator 3, the Frailty Factor (Figure 3).

**Figure 3: Indicator 3: Frailty Factor**



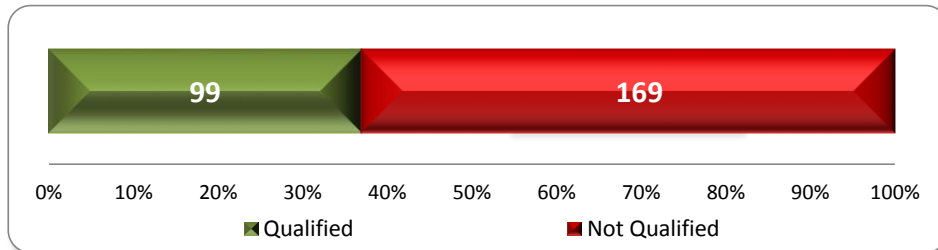
Nearly thirty percent (27.5% or 39 subjects) of the 142 age-qualified subjects (Age 75+) met the third indicator, the Frailty Factor (Figure 4).

**Figure 4: Indicator 3: Frailty Factor for Subjects Ages 75+**



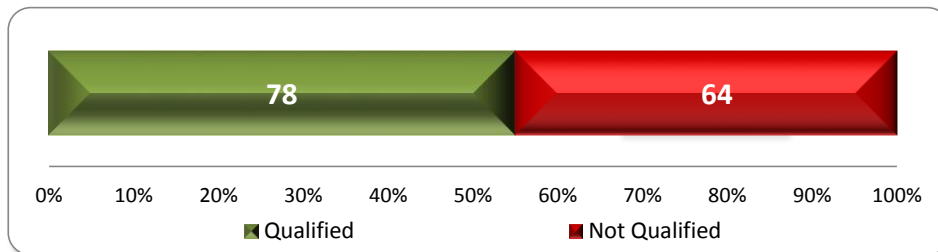
Nearly forty percent (36.9%, or 99 subjects) of all subjects met Indicator 4, the Income Qualification (Figure 5).

**Figure 5: Indicator 4: Income Qualification**



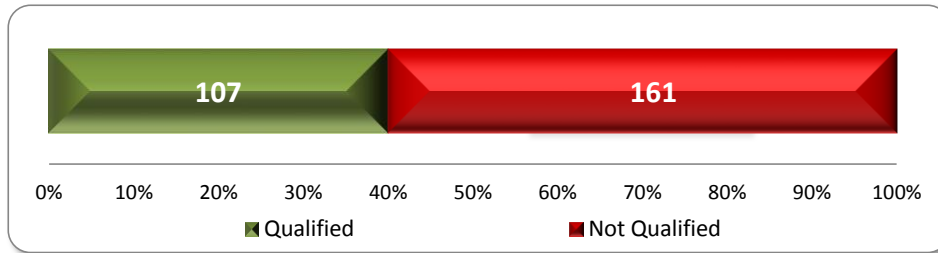
More than half (54.9%, or 78 subjects) of the 142 age-qualified subjects (Age 75+) met the Income Qualification (Figure 6).

**Figure 6: Indicator 4: Income Qualification for Subjects Ages 75+**



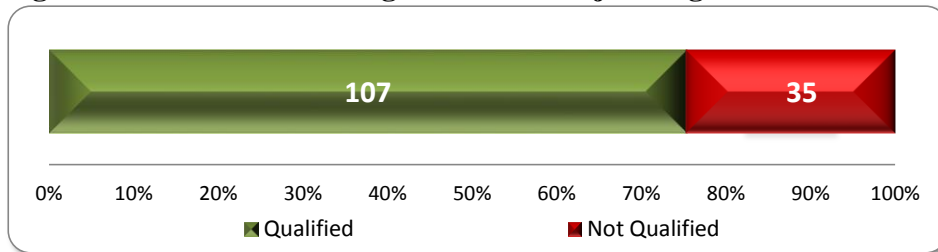
About forty percent (37.2%, or 107 subjects) of all subjects met the fifth Indicator, Living Alone.

**Figure 7: Indicator 5: Living Alone**



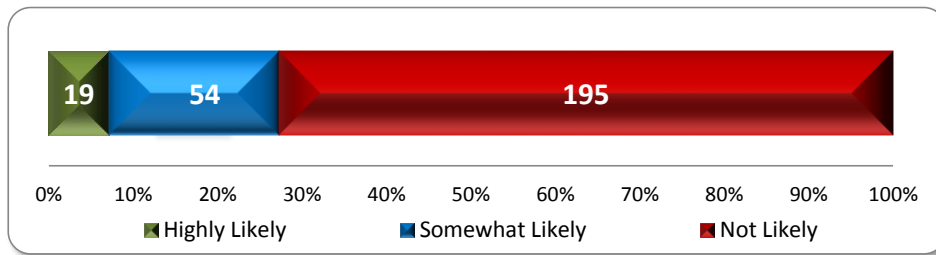
More than three-fourths (75.4%, or 107 subjects) of the 142 age-qualified subjects (Age 75+) met the fifth indicator, Living Alone.

**Figure 8: Indicator 5: Living Alone for Subjects Ages 75+**



Nearly three-quarters of all subjects (72.2%, or 195 subjects) are considered “Not Likely Candidates” for assisted living services, meaning they met less than four of the five indicators. About twenty percent (20.1%, or 54 subjects) of all subjects are considered “Somewhat Likely Candidates”, meaning they met four of the five indicators, and 7.1% (19 subjects) are considered “Highly Likely Candidates” for assisted living services (Figure 9).

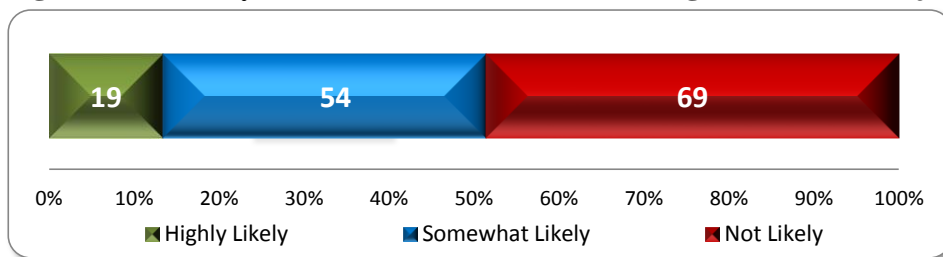
**Figure 9: “Likely Candidates” for Assisted Living Services**



A total of 38.0% (54) of the 142 subjects over the age of 75 are considered “Somewhat Likely Candidates” for assisted living services, and 13.4% (19) are considered “Highly Likely Candidates” for assisted living services, for a grand total of 73 “Likely Candidates” for assisted living services (Figure 10).

Similar numbers in Figure 9 and 10, for “Highly Likely Candidates” and “Somewhat Likely Candidates”, indicate that no one under 75 years of age in Jewell County is a Likely Candidate for assisted living services.

**Figure 10: “Likely Candidates” for Assisted Living Services of Subjects Ages 75+**



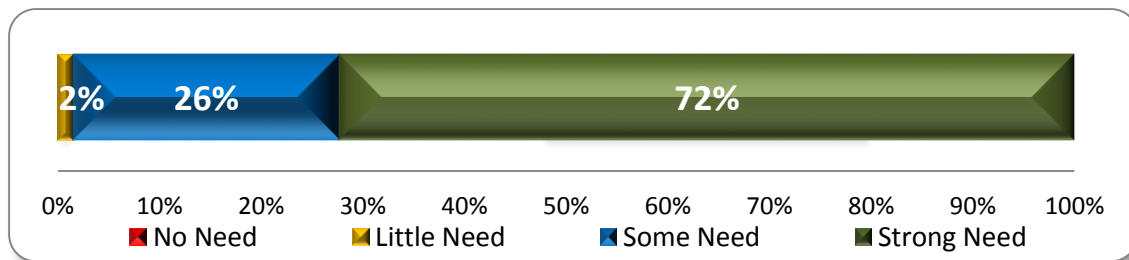


## Section II: Report of Findings of “Likely Candidates”

This section provides analysis of the data provided by the 73 “Likely Candidates”, shown in Figures 9 and 10 in Section I. A “Likely Candidate” met at least 4 out of the 5 indicators described in Section I.

Subjects were asked to report their perceptions of the need for an assisted living facility in Jewell County. No qualified subject felt that there was “No Need” for an assisted living facility in Jewell County. Nearly three-quarters (72.3%) of “Likely Candidates” felt that there is a “Strong Need” for an assisted living facility in Jewell County, 26.2% felt that there was “Some Need,” while only 1.5% felt that there was “Little Need.” (Figure 11).

**Figure 11: Overall Perceived Level of Need for Assisted Living Facility in Jewell County by “Likely Candidates”**

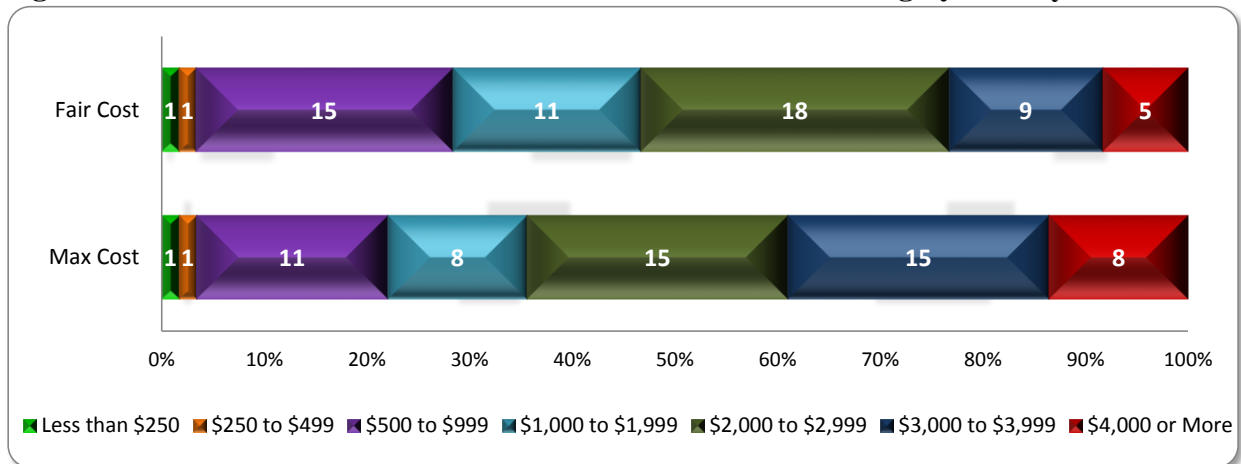


Respondents were asked to indicate what they believed was a Fair Cost per month to pay for an assisted living facility. Figure 12 shows that nearly one-third (30%) of “Likely Candidates” felt that between \$2,000 and \$2,999 (the green bar) was a fair cost to pay for assisted living services. One-fourth (25%) believed that between \$500 and \$999 per month was a fair cost for assisted living services, nearly twenty percent (18.3%) felt that between \$1,000 and \$1,999 per month was a fair cost, 15% said that between \$3,000 and \$3,999 per month was a fair cost, 8.3% felt that \$4,000 or more per month was a fair cost, and only 1.7% each felt that between \$250 and \$499, and less than \$250 was a fair cost to pay for assisted living services.

Respondents were asked to indicate the maximum cost per month they could afford for an assisted living facility. Figure 12 shows that “Likely Candidates” tended to rate the Maximum Affordable Cost for assisted living services slightly higher than the Fair Cost. More than a quarter (25.4%) reported that between \$3,000 and \$3,999 (the dark blue bar) was the maximum cost they could afford per month, another 25.4% reported that between \$2,000 and \$2,999 was the maximum cost they could afford, 18.6% indicated between \$500 and \$999 was their maximum affordable cost, and 13.6% each reported \$4,000 or More and \$1,000 to \$1,999 as their maximum affordable cost. Again, only 1.7% each reported Less than \$250 and \$250 to \$499 as their maximum affordable cost for assisted living services.

It should be noted that about one-third (35.6%) of “Likely Candidates” reported the maximum cost they could afford is less than \$2,000 per month, while according to Senior Living Challenge, published by Dixon-Hughes Goodman, LLP, estimates the national average cost per month for assisted living at \$2,660 for one person and \$3,675 for two people (3).

**Figure 12: Fair and Maximum Cost Per Month for Assisted Living by “Likely Candidates”**



About 14 “Likely Candidates” did not answer these questions.

Figure 13 shows a breakdown of what amenities would be desired by “Likely Candidates” in a potential assisted living facility. The most commonly desired amenities were Housekeeping Services (65), Provided Meals, (64), and Apartment-Style Living (64). Other services in high demand were Medication Management Assistance (57), Transportation (54), and Single-Room Occupancy (49).

Nearly all “Likely Candidates” (89%) desire Housekeeping Services, 87.7% desire meals to be provided, 87.7% desire Apartment-Style Living arrangements, 78.1% desire Medication Management Assistance, and 74% desire some form of Transportation to be provided. Slightly more than two-thirds (67.1%) desire a Single Room Occupancy option, 61.6% desire Off-Site Leisure Trips, 60.3% desire a Hair Dresser on-site, 58.9% would desire the facility to be Located Near a Hospital, 46.6% would desire Controlled Access for Dementia Patients, and 43.8% desire recreational facilities. More than one-third (37%) desire an option for Double Room Occupancy, 35.6% desire a Chapel, and 20.5% desire a Physician to be On-Site. Only 16.4% desire Dormitory-Style Living, and 15.1% desire Money Management Assistance.

**Figure 13: Desired Amenities in Assisted Living Facility by “Likely Candidates”**

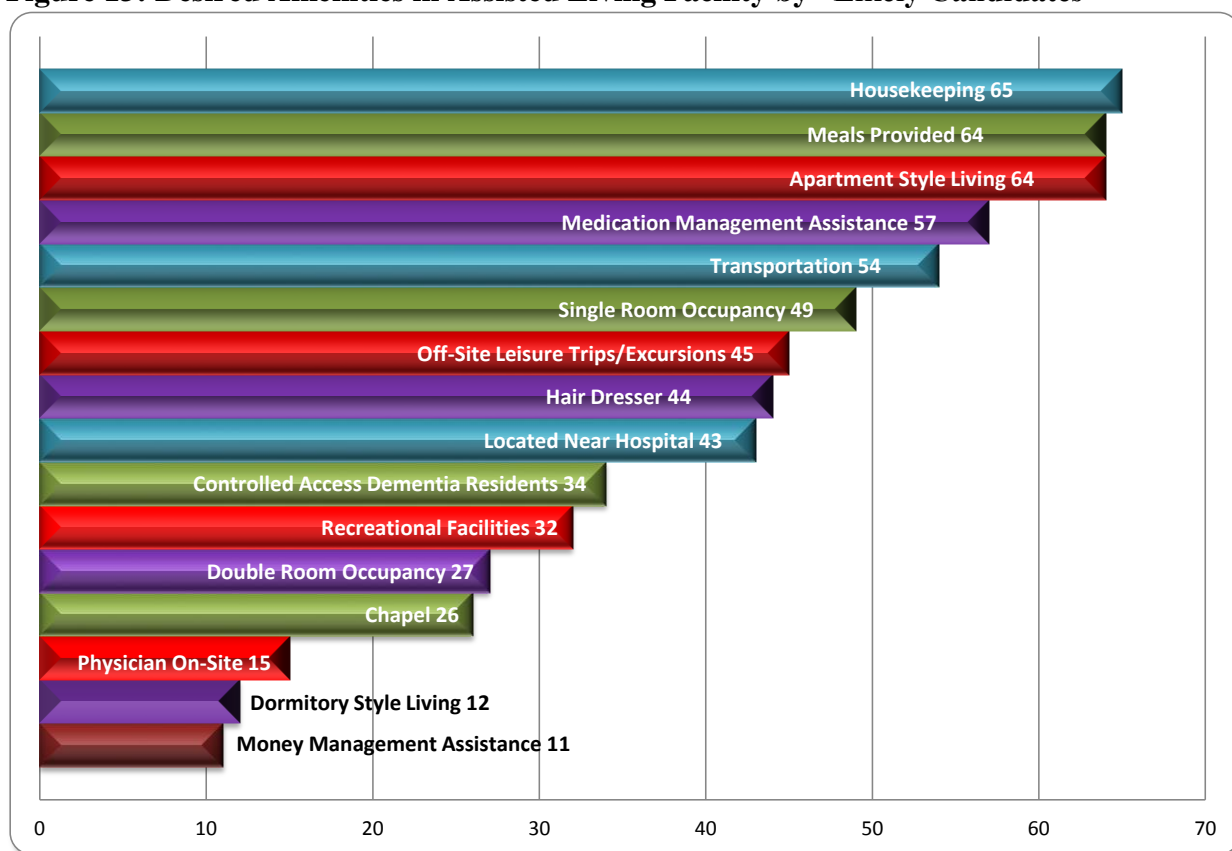
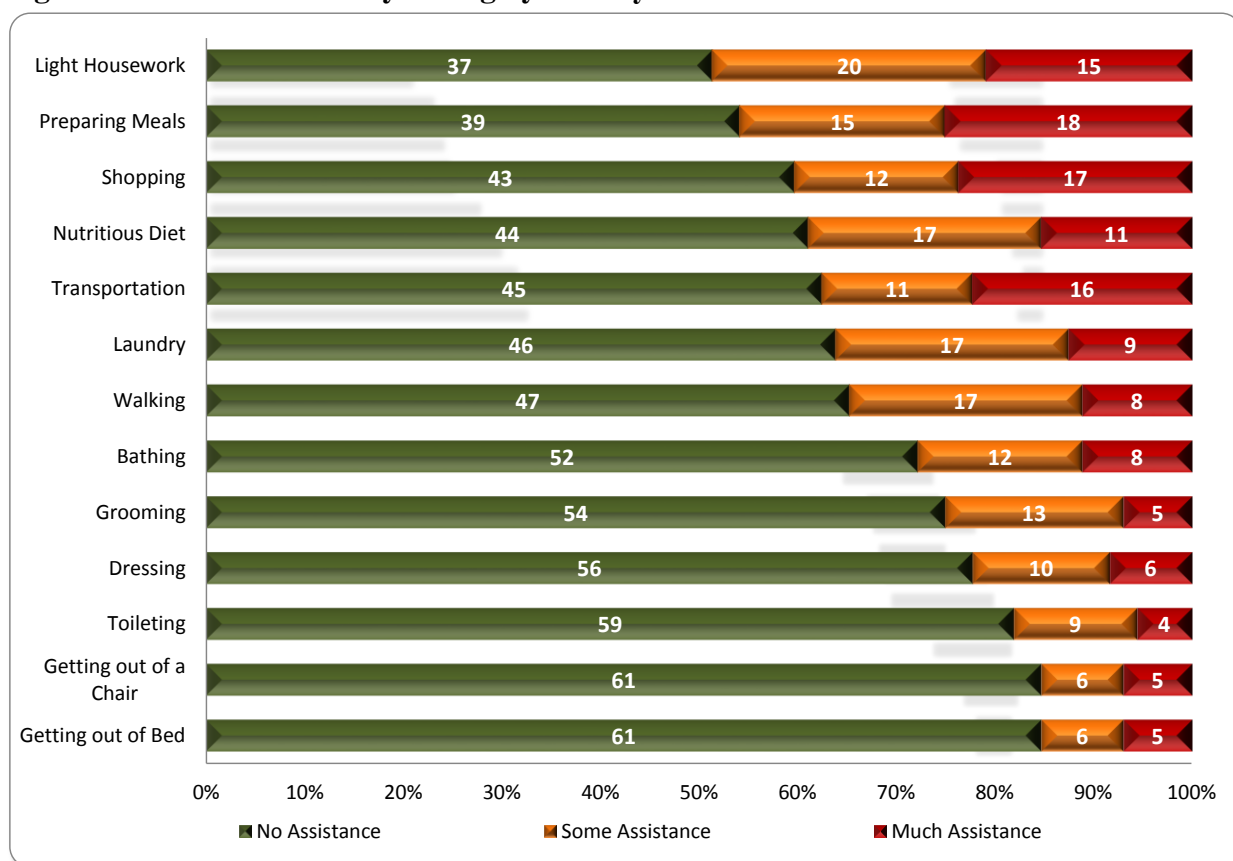


Figure 14 shows “Likely Candidates” responses to their level of assistance required with the Activities of Daily Living listed. The most common Activities of Daily Living with which “Likely Candidates” required assistance were Light Housework and Preparing Meals. The least common Activities of Daily Living with which “Likely Candidates” required assistance were Getting Out of Bed and Getting out of a Chair.

Nearly Half (48.6%) require at least Some Assistance with Light Housework, 45.8% require at least Some Assistance Preparing Meals, 40.3% require at least Some Assistance Maintaining a Nutritious Diet, 37.5% require at least Some Assistance with Transportation, and 36.1% require at least Some Assistance with Laundry. More than one-third (34.7%) require at least Some Assistance Walking, 27.8% require at least Some Assistance Bathing, 25% require at least Some Assistance Grooming, 22.2% require at least Some Assistance Dressing, 18.1% require at least Some Assistance Toileting, 15.2% require at least Some Assistance Getting out of a Chair, and 15.2% require at least Some Assistance Getting out of Bed. Figure 15 on the following page shows a table with the frequencies and percentages of responses by “Likely Candidates” for each of the Activities of Daily Living ranked in order of assistance required (Some + Much Assistance added together).

**Figure 14: Activities of Daily Living by “Likely Candidates”**



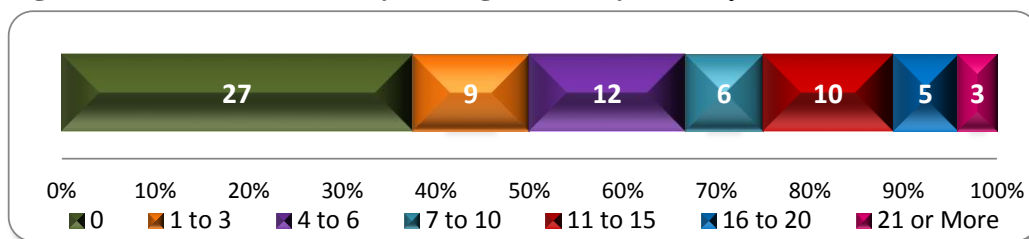
**Figure 15: Activities of Daily Living Table**

ADL	No Assistance	Some Assistance	Much Assistance	No Assistance	Some Assistance	Much Assistance
Light Housework	37	20	15	51.4%	27.8%	20.8%
Preparing Meals	39	15	18	54.2%	20.8%	25.0%
Shopping	43	12	17	59.7%	16.7%	23.6%
Nutritious Diet	44	17	11	61.1%	23.6%	15.3%
Transportation	45	11	16	62.5%	15.3%	22.2%
Laundry	46	17	9	63.9%	23.6%	12.5%
Walking	47	17	8	65.3%	23.6%	11.1%
Bathing	52	12	8	72.2%	16.7%	11.1%
Grooming	54	13	5	75.0%	18.1%	6.9%
Dressing	56	10	6	77.8%	13.9%	8.3%
Toileting	59	9	4	81.9%	12.5%	5.6%
Getting out of Bed	61	6	5	84.7%	8.3%	6.9%
Getting out of a Chair	61	6	5	84.7%	8.3%	6.9%

When scoring activities of daily living (ADL), if the respondent indicated they require No Assistance, they received a zero for that ADL. If the respondent indicated requiring Some Assistance, they received a score of 1, and if the respondent indicated requiring Much Assistance, they received a score of 2. Each subject’s scores were summed, and the distribution of those sums is shown in Figure 16 below. Subjects whose total ADL score was at least 4 received a 1 for this indicator in the Demand Analysis. The mean ADL score was 5.82, the median score was 3.50, and the highest score was 26.

Nearly forty percent (37.5%) of “Likely Candidates” reported needing no assistance with any activities of daily living. About thirteen percent (12.5%) scored between 1 and 3, not high enough to meet the qualification for this indicator. Nearly one-fifth (16.7%) scored between 4 and 6; 8.4% scored 7 to 10, 14% scored 11 to 15, 7% scored 16 to 20, and 4.2% scored 21 or higher (Figure 16). Fifty percent of “Likely Candidates” (36 subjects) met this indicator in the Demand Analysis.

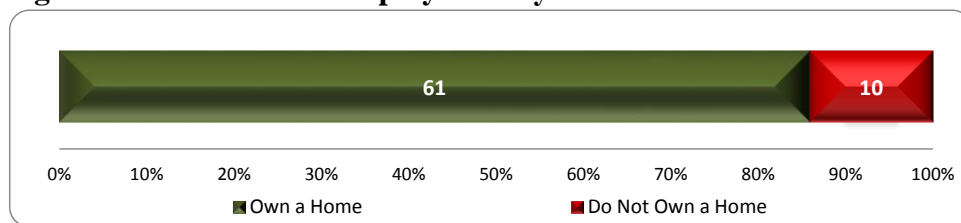
**Figure 16: Activities of Daily Living Scores by “Likely Candidates”**



In order to assess potential subjects' ability to afford the cost of assisted living care, all subjects were asked to indicate whether or not they own a home, their annual income, and the amount of monthly support they expect to receive from relatives.

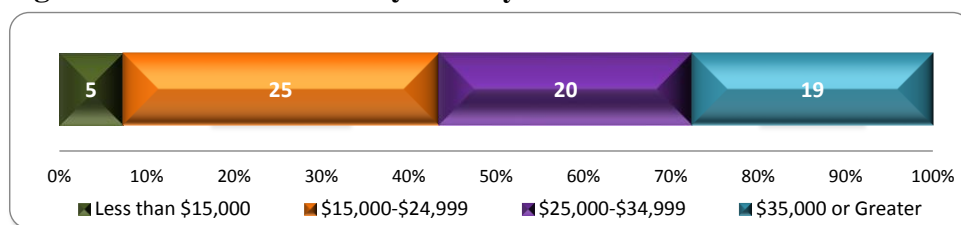
The majority (85.9%) of “Likely Candidates” indicated that they own a home, while 14.1% indicated they did not own a home. (Figure 19).

**Figure 19: Home Ownership by “Likely Candidates”**



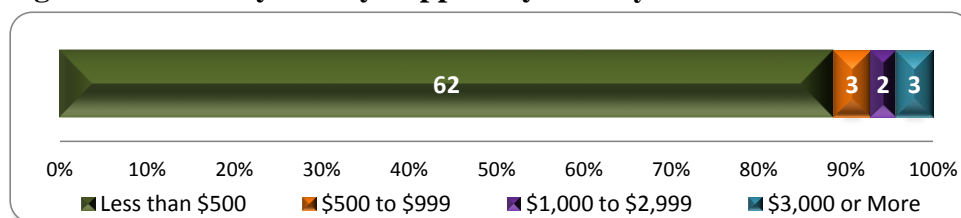
More than one-third of “Likely Candidates” (36.2%) indicated their annual personal income falls between \$15,000 and \$24,999. About thirty percent (29%) reported earning between \$25,000 and \$34,999 per year, 27.5% reported their annual income was \$35,000 or greater, and only 7.2% indicated their annual income was less than \$15,000. (Figure 20).

**Figure 20: Annual Income by “Likely Candidates”**



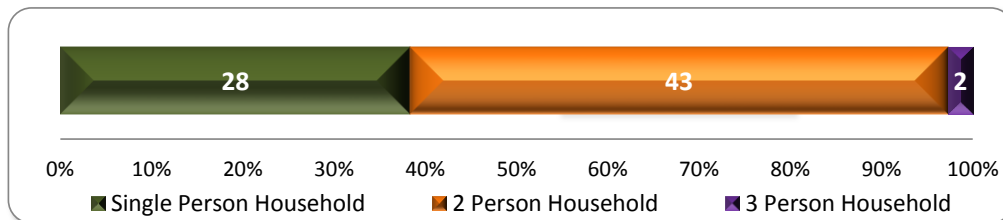
Most (88.6%) “Likely Candidates” indicated they expect to receive less than \$500 per month from their families to help cover the cost of assisted living services; this category includes subjects who indicated they would receive no financial support from their families. About five percent (4.3%) indicated they would expect to receive \$3,000 or more per month, 4.3% said they would expect to receive between \$500 and \$999 per month, and 2.9% indicated they would expect to receive between \$1,000 and \$2,999 per month from their families to help cover the cost of assisted living services. (Figure 21).

**Figure 21: Monthly Family Support by “Likely Candidates”**



As shown in Figure 22, nearly sixty percent (58.9%) of “Likely Candidates” live in a two-person household. About forty percent (38.4%) live in a single-person household, and 2.7% live in a three-person household.

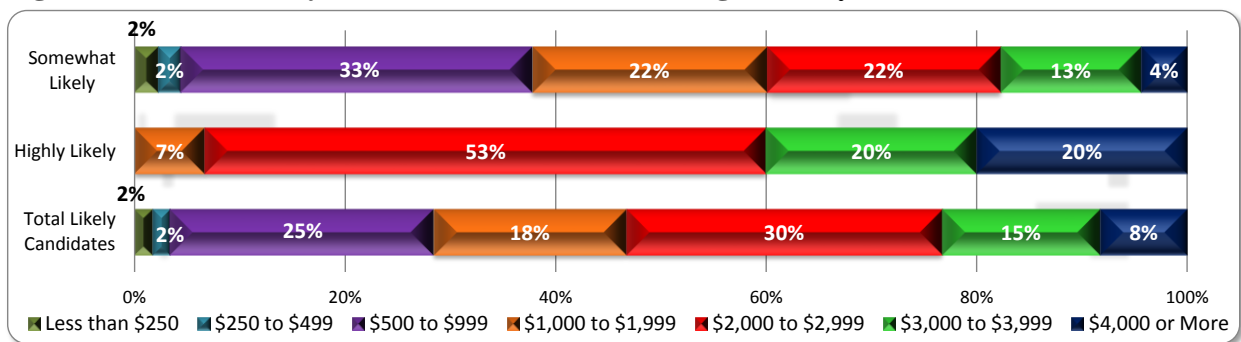
**Figure 22: Size of Household by “Likely Candidates”**



Figures 24-27 show crosstabulations of Fair Cost and Maximum Affordable Cost by Likelihood of Assisted Living and Annual Personal Income. The Gamma statistic was used to measure the strength of these relationships; the strength of the correlation is noted below each graph. A Gamma value of less than .30 is a weak correlation, .30-.59 is considered moderate, and a Gamma value of .60 and above is considered a strong correlation.

“Highly Likely Candidates” for assisted living services tended to report their belief of a Fair Cost for assisted living services to be much higher than “Somewhat Likely Candidates”, with 93% of “Highly Likely Candidates” indicating \$2,000 or greater as a fair cost, and only 39% of “Somewhat Likely Candidates” reporting the same. (Figure 24).

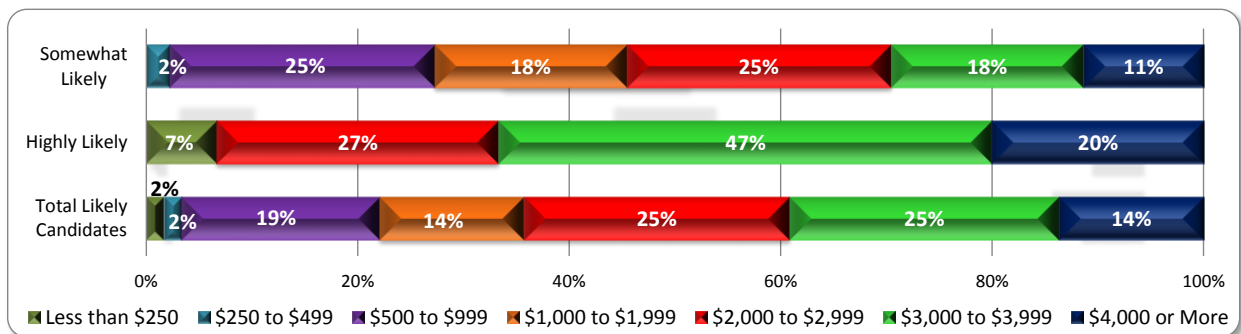
**Figure 24: Fair Cost by Likelihood of Assisted Living (“Likely Candidates”)**



Gamma: .686

“Highly Likely Candidates” also tended to report the maximum cost they could afford for assisted living services to be much higher than “Somewhat Likely Candidates,” with 93% of “Highly Likely Candidates” indicating \$2,000 or greater as their Maximum Affordable Cost, and only 54% of “Somewhat Likely Candidates” reporting the same. (Figure 25).

**Figure 25: Maximum Affordable Cost by Likelihood of Assisted Living (“Likely Candidates”)**

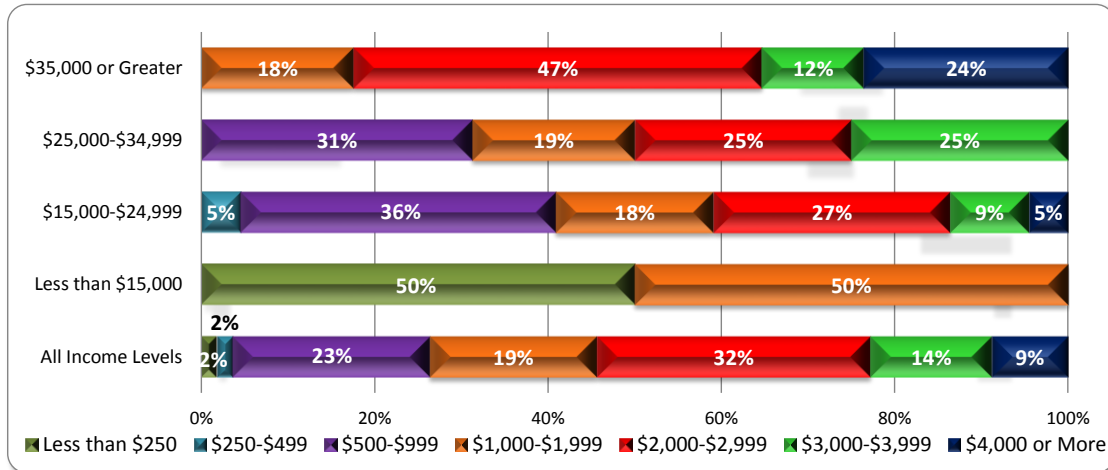


Gamma: .519



“Likely Candidates” who reported higher Annual Personal Incomes (upper rows) tended to report higher perceptions of Fair Cost for assisted living services (colors) than “Likely Candidates” who reported lower incomes. (Figure 26).

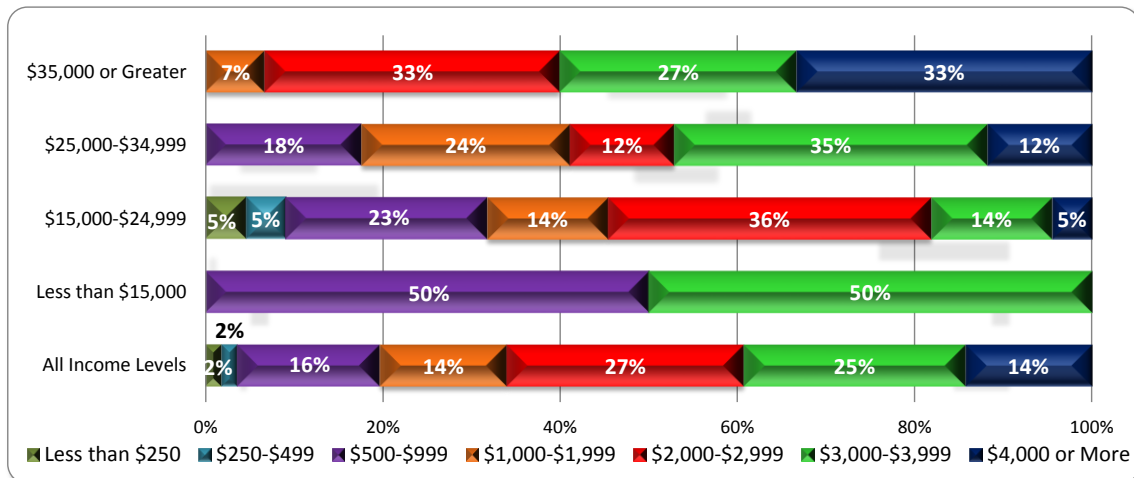
**Figure 26: Fair Cost by Annual Personal Income (“Likely Candidates”)**



Gamma: .485

“Likely Candidates” who reported higher Annual Personal Incomes (upper rows) were more likely to report their Maximum Affordable Cost (colors) for assisted living services as higher than “Likely Candidates” who reported lower incomes. (Figure 27).

**Figure 27: Maximum Affordable Cost by Annual Personal Income (“Likely Candidates”)**



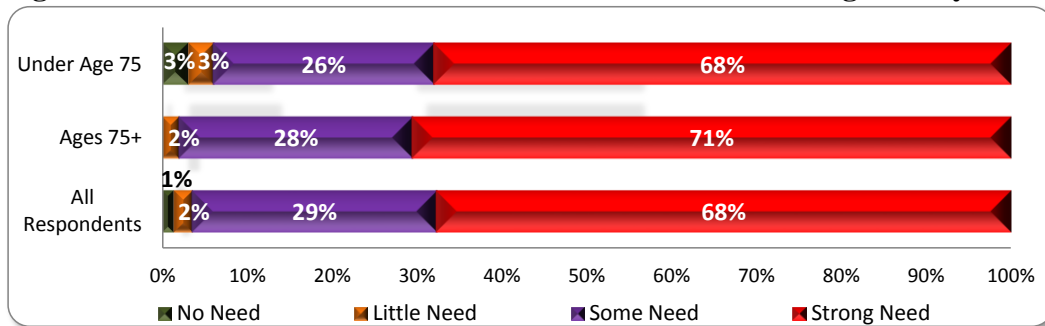
Gamma: .461

### Section III: Report of Findings of All Respondents by Age Category

This section shows responses for respondents ages 75 and older, respondents under age 75, and all respondents for selected survey questions. In total, there were 228 surveys returned. Forty surveys contained data for 2 or more respondents over the age of 75, with separate responses for each, for a total of 268 respondents; 142 of whom reported being age 75 or older, and 126 who were under the age of 75.

Respondents ages 75 and older were slightly more likely to indicate (98%) they felt there was at least “Some Need” for an assisted living facility in Jewell County than those under age 75, with 94% reporting the same. Overall, nearly all respondents (97%) felt there was at least “Some Need,” while two-thirds indicated a “Strong Need,” for an assisted living facility in Jewell County. Only 2% of all respondents felt there was “Little Need,” and 1% believed there was “No Need” (Figure 28).

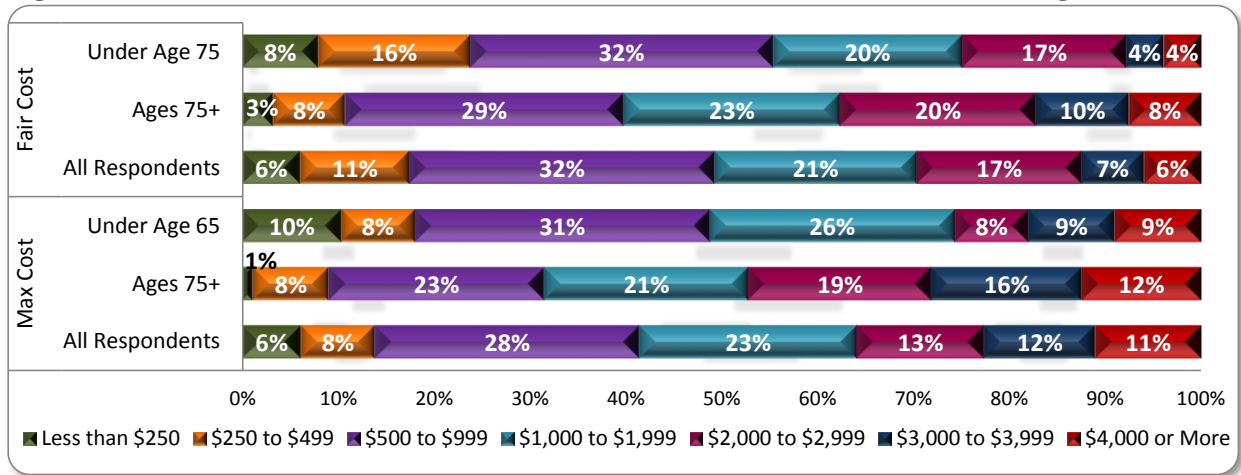
**Figure 28: Overall Perceived Level of Need for Assisted Living Facility in Jewell County**



Due to rounding, some distributions may not total to 100%

As shown in Figure 29, respondents ages 75 and older tended to report their perceived Fair Cost to be higher than those under age 75. Nearly forty percent (38%) of respondents age 75 or older indicated that they believe a Fair Cost would be at least \$2,000, while only 25% of respondents under age 75 reported the same. Nearly half (47%) of respondents age 75 or older reported their Maximum Affordable Cost to be at least \$2,000, but only 26% of respondents under age 75 reported the same.

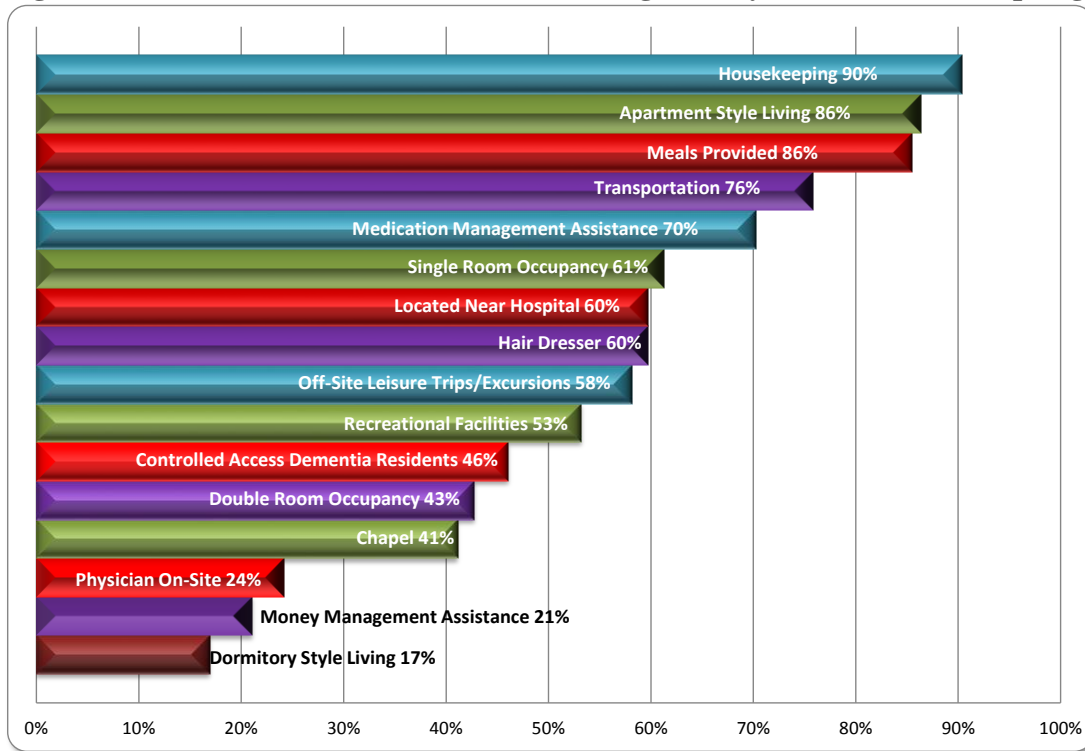
**Figure 29: Fair and Maximum Affordable Cost Per Month for Assisted Living**



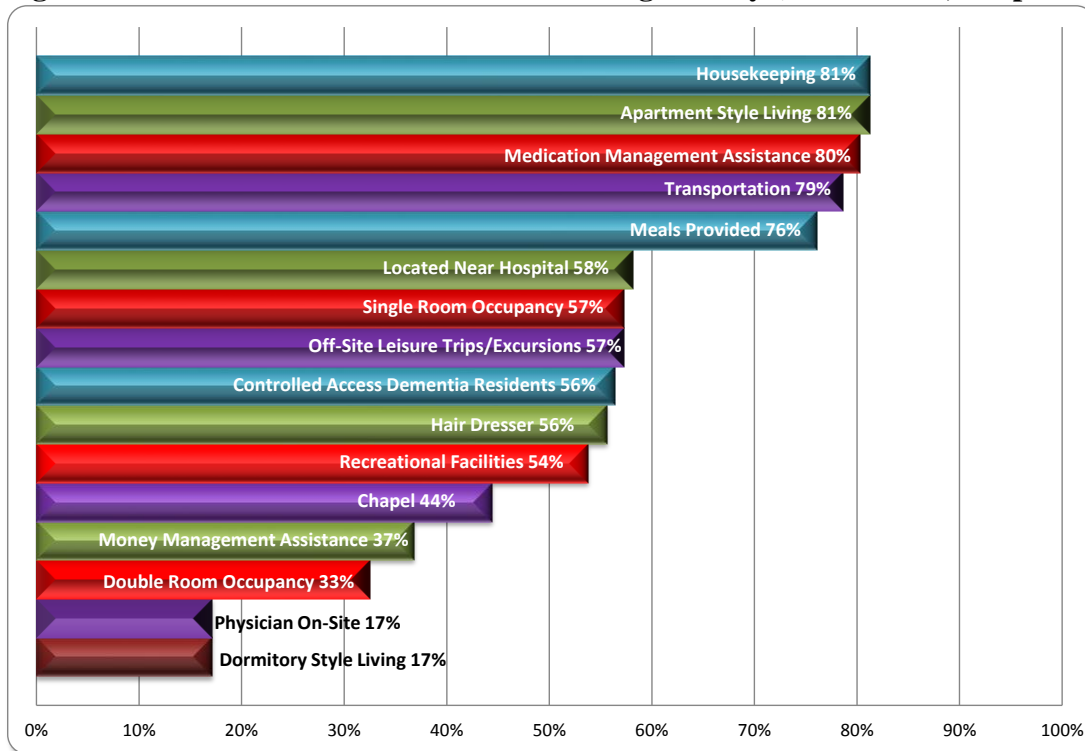
As shown in Figures 30-32 on the following pages, both respondents ages 75 and older and respondents under age 75 generally tended to rate the amenities desired in the same order of most desired to least desired, with a few exceptions. The most desired amenities for both age groups were Housekeeping Services and Apartment-Style Living. The 3<sup>rd</sup> most desired amenity by respondents over age 75 was Meals Provided, followed by Transportation, and Medication Management Assistance. The 3<sup>rd</sup> most desired amenity by respondents under age 75 was Medication Management Assistance, followed by Transportation, and Meals Provided.

The Least desired amenity for both age groups was Dormitory-Style Living. Respondents over age 75 felt it was slightly less desirable to have Money Management Assistance than a Physician On-Site, while respondents under age 75 were less likely to desire a Physician On-Site.

**Figure 30: Desired Amenities in Assisted Living Facility (Percent Yes, Resp. Ages 75+)**



**Figure 31: Desired Amenities in Assisted Living Facility (Percent Yes, Resp. Under Age 75)**



**Figure 32: Desired Amenities in Assisted Living Facility (Percent Yes, All Respondents)**

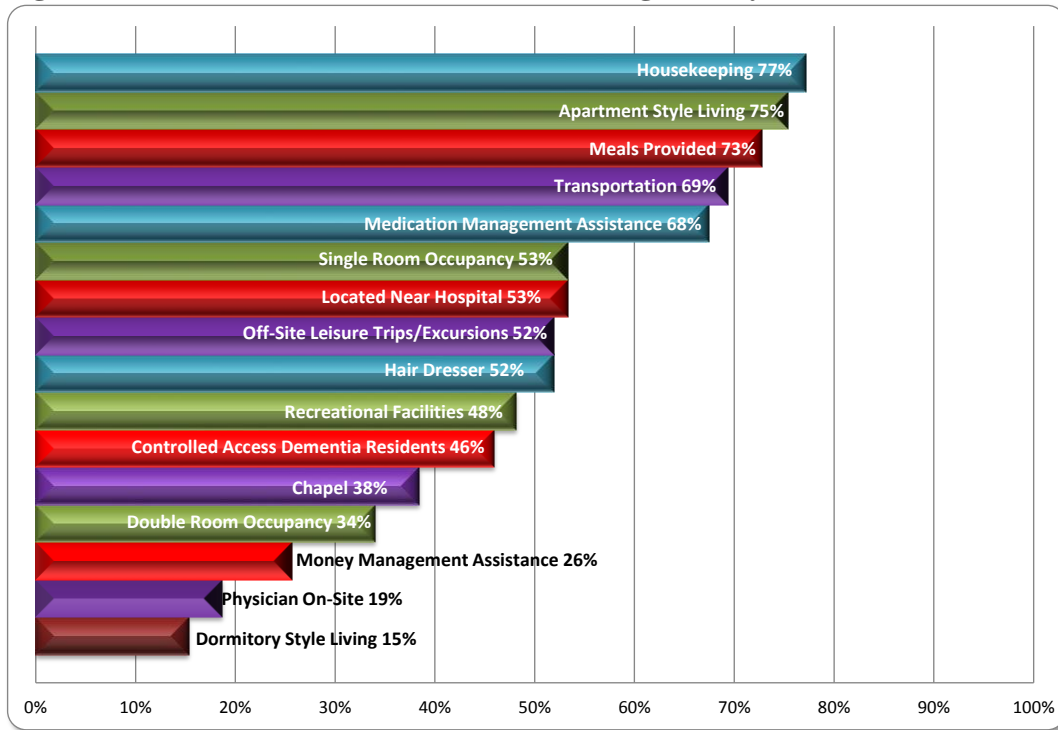
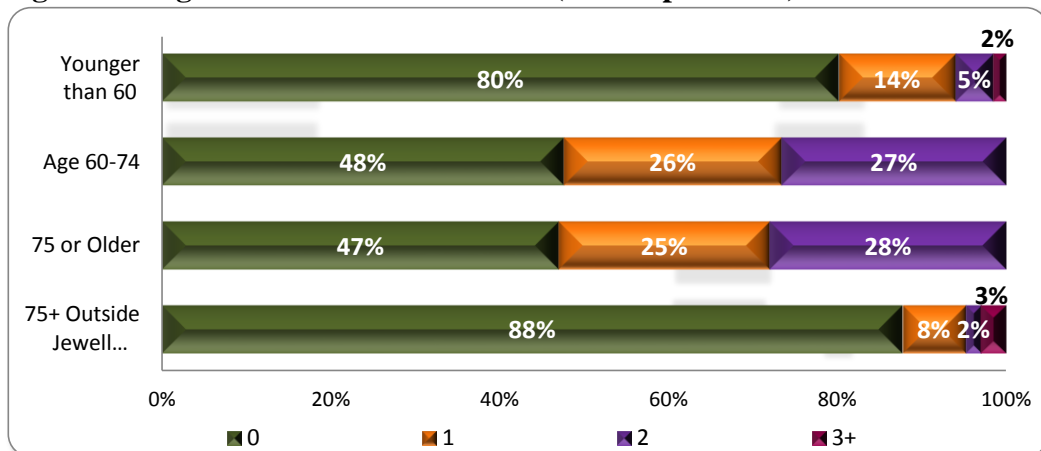


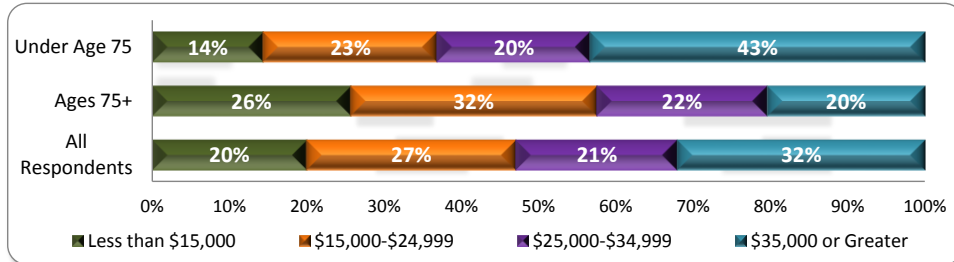
Figure 33 shows the number of members of each household that are within the given age groups for all respondents. Few respondents (13%) are the primary caregiver for someone over age 75 outside of Jewell County. About half (47%) of respondents indicated that there is no one in their household over the age of 75. Similarly, nearly half (48%) of respondents indicated there was no one in the household between the ages of 60 and 74. Eighty percent (80%) of respondents said there is no one in their household under the age of 60.

**Figure 33: Ages of Household Members (All Respondents)**



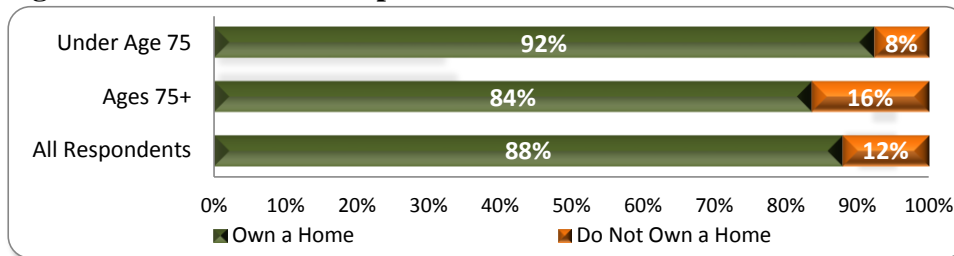
Not surprisingly, the annual personal income for respondents under the age of 75 tended to be much higher than those respondents who were age 75 and older, with 63% of respondents under age 75 indicating they earn \$25,000 per year or more, but only 42% of respondents ages 75 and older reporting the same (Figure 34).

**Figure 34: Annual Personal Income**



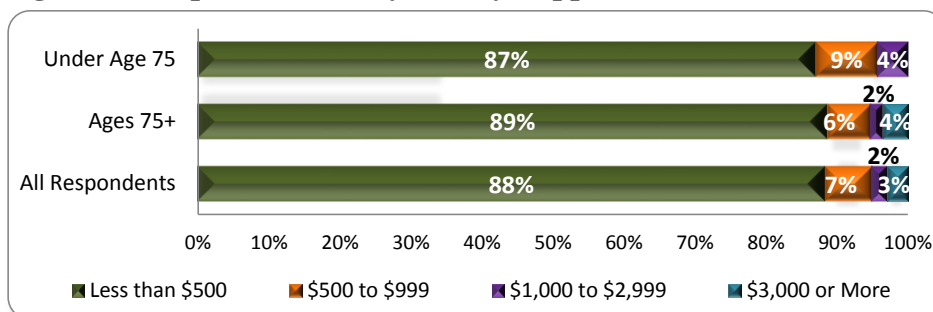
As shown in Figure 35, respondents ages 75 and older were slightly less likely (84%) to own a home than respondents under the age of 75 (92%).

**Figure 35: Home Ownership**



The amount of monthly financial support respondents would expect to receive from family to help cover the cost of assisted living did not differ very much between respondents over age 75 and those under age 75 (Figure 36).

**Figure 36: Expected Monthly Family Support**



## Appendix A: Survey Instrument



### Jewell County Assisted Living Needs Assessment

What do you feel is the overall level of need for an assisted living facility in Jewell County?

Strong Need      Some Need      Little Need      No Need

<p>How many people under age 60 live in your household? _____</p> <p>How many people between age 60 and 74 live in your household? _____</p> <p>How many people age 75 or older live in your household? _____</p> <p>How many additional people over age 75 are there outside of Jewell County whose welfare you are responsible for? _____</p>	<p>If it became necessary for the elderly members of your household to move into an assisted living facility, what cost would you consider fair? \$ _____ per month (per person)</p> <hr/> <p>If it became necessary for the elderly members of your household to move into an assisted living facility, what is the maximum cost you or your family would be willing to pay? \$ _____ per month (per person)</p>
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For the table below, regarding the oldest person in your household over the age of 75, please mark a "1" in the box next to each activity of daily living that best represents their current situation. If there is a second oldest person over age 75, please mark a separate response using a 2.

Activities of Daily Living	No Assistance Required	Some Assistance Required	Much Assistance Required
Bathing			
Dressing			
Grooming			
Toileting			
Eating a Nutritious Diet			
Getting out of Bed			
Getting out of a Chair			
Walking			
Transportation			
Laundry			
Light Housework			
Preparing Meals			
Shopping			

Are you over age 75? Yes \_\_\_ No \_\_\_

Are you the primary caregiver for someone in your household over the age of 75?

Yes \_\_\_ No \_\_\_

If yes, how many more years do you expect your family to be able to continue providing care for the oldest person in your household over the age of 75? \_\_\_\_\_

If there is a second oldest person over the age of 75 being cared for, how many more years do you expect your family to be able to continue providing care for them? \_\_\_\_\_

For the tables below, please indicate with a "1" each of the amenities you believe someone over age 75 would desire in an assisted living facility.

Amenities Desired in an Assisted Living Facility	
<input type="checkbox"/>	Apartment-Style Living (includes kitchen and living room)
<input type="checkbox"/>	Dormitory Style Living (private bedroom and bathroom only)
<input type="checkbox"/>	Controlled Access to the Outside for Residents with Dementia
<input type="checkbox"/>	Transportation
<input type="checkbox"/>	Meals Provided
<input type="checkbox"/>	Housekeeping
<input type="checkbox"/>	Hair Dresser

Amenities Desired in an Assisted Living Facility	
<input type="checkbox"/>	Single-Room Occupancy
<input type="checkbox"/>	Double-Room Occupancy
<input type="checkbox"/>	Physician On-Site
<input type="checkbox"/>	Chapel
<input type="checkbox"/>	Located Near Hospital
<input type="checkbox"/>	Recreational Facilities
<input type="checkbox"/>	Off-Site Leisure Trips/Excursions
<input type="checkbox"/>	Medication Management Assistance
<input type="checkbox"/>	Money Management Assistance

Please Circle the category below in which your annual personal income falls.

Less than \$15,000    \$15,000-\$24,999    \$25,000-\$34,999    \$35,000 or Greater

Do you own a home? Yes \_\_\_ No \_\_\_

If you are over 75, how much support (per month) would you anticipate receiving from your family to cover the cost of assisted living?

Less than \$500    \$500 to \$1,000    \$1,000 to \$2,999    \$3,000 or More

Thank you for taking the time to fill out the Jewell County Assisted Living Needs Assessment. The information you provided will be used to help improve the quality of life for seniors in Jewell County.



## Appendix B: Sources

“2009 Overview of Assisted Living.” *Assisted Living Federation of America*. 2009. Web.

Benedict, Meredith, Johnson, Stephanie, and Legeer, Lisa. “Senior Living Challenge: Capturing the Demand for Assisted Living Services.” *Dixon Hughes Goodman, LLP*. 2011: p.1-12. Print.

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