

# CICOA Aging and In-Home Solutions 2017

Geographic Subgroup Comparisons

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# CASOA™

**Community Assessment Survey  
for Older Adults™**



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## CASOA™ Subgroup Comparisons



NRC is a charter member of the AAPOR Transparency Initiative, providing clear disclosure of our sound and ethical survey research practices.

# Survey Background

## About the Community Assessment Survey for Older Adults™

The CICOA Aging and In-Home Solutions contracted with National Research Center, Inc. (NRC) to conduct an assessment of the strengths and needs of its older residents. The Community Assessment Survey for Older Adults (CASOA™) is a statistically valid survey of older adults used by staff, elected officials and other stakeholders to plan for older adult services, programs and facilities. The ultimate goal of the assessment is to create an empowered community that supports a vibrant older adult population in the community.

The survey and its administration are standardized to assure high quality survey methods and comparable results across CASOA™ communities. Participating older adult households were selected at random and the household member who responded was selected without bias. Multiple mailings gave each household more than one prompt to participate with a self-addressed and postage paid envelope. Results were statistically weighted to reflect the proper demographic composition of older adults in the entire community.

Communities conducting CASOA™ can choose from a number of optional services to customize the reporting of survey results. CICOA's Report of Geographic Subgroup Comparisons is part of a larger project for the agency and additional reports are available under separate cover.

One of the add-on options that CICOA chose was to have crosstabulations of survey questions by respondents' county of residence. This report contains the results of these analyses.

### “Don't Know” Responses

On many of the questions in the survey respondents may answer “don't know.” The proportion of respondents giving this reply is shown in the full set of responses included in Appendix B of the full report. However, these responses have been removed from the analyses presented in this appendix. In other words, the tables display the responses from respondents who had an opinion about a specific item.

### Understanding the Tables

In this report, comparisons between demographic subgroups are shown. For most of the questions, we have shown only one number for each question. We have summarized responses to show only the proportion of respondents giving a certain answer; for example, the percent of respondents who rated the quality of life as “excellent” or “good,” or the percent of respondents who participated in an activity at least once.

The subgroup comparison tables contain the crosstabulations of survey questions by selected respondent characteristics. Chi-square or ANOVA tests of significance were applied to these breakdowns of survey questions. A “p-value” of 0.05 or less indicates that there is less than a 5% probability that differences observed between groups are due to chance; or in other words, a greater than 95% probability that the differences observed in the selected categories of the sample represent “real” differences among those populations. Statistical testing was not performed on multiple response questions (questions 8 and 17).

For each pair of subgroups that has a statistically significant difference, an upper case letter denoting significance is shown in the category with the larger column proportion. The letter denotes the category with the smaller column proportion from which it is statistically different. Differences were marked as statistically significant if the probability that the differences were due to chance alone were less than 5%. Categories were not used in comparisons when a column proportion was equal to zero or one.

Items that have no upper case letter denotation in their column and that are also not referred to in any other column were not statistically different.

It should be noted that when a table for a question that only permitted a single response does not total to exactly 100%, it is due to the common practice of percentages being rounded to the nearest whole number.

### Precision of Estimates

It is customary to describe the precision of estimates made from surveys by a “level of confidence” (or margin of error). A traditional level of confidence, and the one used here, is 95%. The margin of error for the CICOA’s overall was plus or minus 4% around any given percent for the entire sample (488 completed surveys). Where estimates are given for subgroups, they are less precise. Generally the 95% confidence interval is plus or minus 10 percentage points for samples of 100, and for smaller sample sizes (i.e., 50), the margin of error rises to plus or minus 14%. The significance testing for the following comparisons is more precise than the general rule of thumb. The eight counties served by CICOA were tracked for comparison and the number of completed surveys for each are in the table below.

**Table I: Geographic Areas**

	Percent	Number
Boone County	12%	N=56
Hamilton County	9%	N=46
Hancock County	10%	N=46
Hendricks County	11%	N=55
Johnson County	12%	N=57
Marion County	25%	N=119
Morgan County	13%	N=61
Shelby County	9%	N=44
Total	100%	N=483

## Comparisons by County

**Table 2: Question 1**

Percent of respondents who rated the following as "excellent" or "good":	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
How do you rate your community as a place to live?	90% FH	96% FGH	97% FGH	97% FGH	85%	77%	79%	73%	85%
How do you rate your community as a place to retire?	66%	85% AFGH	70%	85% AEFGH	68%	61%	62%	59%	68%

**Table 3: Question 2**

Percent of respondents who rated the following as "excellent" or "good":	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Opportunities to volunteer	80%	93% FG	89% G	80%	81%	74%	69%	79%	80%
Employment opportunities	50% G	71% CEFGH	47% G	51% G	43%	46% G	23%	35%	45%
Opportunities to enroll in skill-building or personal enrichment classes	45% G	70% ADEGH	48% G	41% G	42% G	54% G	18%	37%	45%
Recreation opportunities (including games, arts and library services, etc.)	59%	83% ACDEFGH	56%	61%	54%	65% G	47%	54%	60%
Fitness opportunities (including exercise classes and paths or trails, etc.)	71% G	81% EFGH	67% G	75% GH	59%	63% G	42%	51%	63%
Opportunities to attend social events or activities	70% G	77% DEFGH	71% G	54% G	52% G	54% G	31%	56% G	57%
Opportunities to attend religious or spiritual activities	92% FG	96% FG	89% F	85%	86%	75%	77%	82%	84%
Opportunities to attend or participate in meetings about local government or community matters	67% G	85% CDEFGH	60%	57%	50%	56%	45%	61%	59%
Availability of affordable quality housing	29%	51% A	50% A	56% A	44%	51% A	40%	46%	46%
Variety of housing options	30%	56% AG	58% AG	55% AG	47%	43%	34%	40%	45%
Availability of long-term care options	43%	61% G	49% G	54% G	50% G	43% G	25%	54% G	46%

Percent of respondents who rated the following as "excellent" or "good":	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Availability of daytime care options for older adults	17%	43% A G	21%	35%	28%	30%	19%	49% A C F G	30%
Availability of information about resources for older adults	38% G	51% D E G	33%	28%	25%	36% G	17%	40% G	33%
Availability of financial and legal planning services	50%	73% A C D E F G H	49%	43%	41%	34%	34%	45%	44%
Availability of affordable quality physical health care	55%	81% A C D E F G H	52%	60% E G	38%	54% G	36%	47%	53%
Availability of affordable quality mental health care	33%	58% A C E G H	27%	45% G	34%	43% G	18%	31%	37%
Availability of preventive health services (e.g., health screenings, flu shots, educational workshops)	66% G	78% E G H	66%	77% E G H	54%	67% G	48%	54%	64%
Availability of affordable quality food	61%	84% A E F G H	65%	72% H	55%	56%	58%	48%	61%
Availability of support services for those providing care for family/friends	42% G	65% C E F G H	21%	41%	37%	40% G	19%	40%	38%
Sense of community	69% E F G	74% C D E F G	48%	49%	43%	39%	41%	54%	50%
Openness and acceptance of the community towards older residents of diverse backgrounds	47%	68% A E G	46%	49%	41%	55% G	32%	52%	49%
Ease of travel by public transportation (bus, rail, on-demand/senior transportation) in your community	15%	11%	35% A B D G	3%	29% B D G	34% A B D G	7%	21%	21%
Ease of walking in your community	69% E G H	66% E G H	55%	66% E G H	38%	55% E	44%	43%	55%
Ease of getting to the places you usually have to visit	76% E	80% E H	83% E G H	81% E G H	58%	67%	63%	60%	70%
Overall feeling of safety in your community	86% E F H	81% F H	80% F	83% E F H	64%	56%	70% F	61%	70%
Valuing older residents in your community	51%	73% A E F G	65%	65%	47%	53%	48%	60%	56%
Neighborliness of your community	61%	73% D F H	56%	51%	54%	46%	55%	49%	54%
Cost of living in your community	39%	48%	68% A E F	54%	42%	44%	55%	49%	49%

**Table 4: Question 3**

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents who rated the overall quality of services to older adults as "excellent" or "good"	55% G	61% G	69% G	66% G	50% G	51% G	26%	59% G	53%

**Table 5: Question 4**

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents who felt "somewhat" or "very" informed about the services and activities for older adults	53%	62% F	66% F	55%	55%	40%	48%	72% F G	54%

**Table 6: Question 5**

Percent of respondents who rated the following as "excellent" or "good":	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
How do you rate your overall physical health?	70%	80% E F	62%	75%	60%	61%	65%	67%	67%
How do you rate your overall mental health/emotional well being?	85%	87%	72%	91% C E F	73%	78%	84%	84%	81%
How do you rate your overall quality of life?	78%	92% E F G	82%	90% E F G	71%	74%	72%	79%	79%

**Table 7: Question 6: Problems Faced by Older Adults**

Percent of respondents who reported at least a "minor" problem with the following:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Having housing to suit your needs	18%	19%	15%	19%	21%	21%	14%	17%	19%
Your physical health	64%	49%	63%	62%	61%	66% B	59%	72% B	63%
Performing regular activities, including walking, eating and preparing meals	36%	38%	36%	33%	33%	40%	33%	44%	37%
Having enough food to eat	19%	14%	15%	6%	16%	18%	11%	9%	14%
Doing heavy or intense housework	71%	57%	67%	55%	54%	64%	59%	62%	61%

Percent of respondents who reported at least a "minor" problem with the following:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Having safe and affordable transportation available	39% B D H	17%	23%	18%	40% B D H	27%	30%	21%	27%
No longer being able to drive	16%	17%	17%	17%	22%	19%	15%	15%	17%
Feeling depressed	53% G	39%	48% G	49% G	51% G	40%	27%	52% G	44%
Experiencing confusion or forgetfulness	33%	31%	45%	33%	34%	40%	42%	54% A B D E	39%
Maintaining your home	44%	44%	57%	46%	44%	46%	39%	46%	46%
Maintaining your yard	51%	48%	60%	46%	44%	51%	49%	51%	50%
Finding productive or meaningful activities to do	37%	27%	36%	38%	45%	31%	35%	40%	36%
Having friends or family you can rely on	34%	24%	34%	33%	28%	29%	34%	32%	31%
Falling or injuring yourself in your home	42% B D G	21%	26%	24%	35%	29%	19%	26%	28%
Finding affordable health insurance	43% C	37%	19%	30%	51% C D F	28%	34%	40% C	35%
Getting the health care you need	33% F	26%	21%	16%	43% B C D F	18%	32% F	26%	26%
Affording the medications you need	39% B G	19%	30%	34%	43% B G	29%	17%	33%	30%
Figuring out which medications to take and when	22% B C F G	2%	7%	11%	17% B	9%	6%	19% B G	11%
Getting the oral health care you need	27%	17%	21%	14%	39% B C D F G	23%	14%	33% D G	24%
Getting the vision care you need	24%	17%	22%	21%	36% B F G	16%	14%	30%	21%
Having enough money to meet daily expenses	39%	31%	26%	29%	46% C G	39% G	22%	30%	34%
Having enough money to pay your property taxes	25%	16%	12%	24%	27%	21%	14%	22%	20%
Staying physically fit	70% B	50%	65%	64%	66%	62%	60%	62%	62%
Maintaining a healthy diet	56% B	35%	52%	47%	55%	51%	51%	53%	50%
Having interesting recreational or cultural activities to attend	54%	43%	43%	55%	59% F	42%	52%	50%	49%
Having interesting social events or activities to attend	63% F	50%	47%	50%	56%	40%	52%	47%	49%
Feeling bored	46%	38%	38%	49%	57%	51%	41%	58%	48%
Feeling like your voice is heard in the community	67%	45%	56%	62%	79% B F G H	54%	57%	56%	59%



Percent of respondents who reported at least a "minor" problem with the following:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Finding meaningful volunteer work	41% B	17%	30%	41% B	40% B	27%	44% B	39%	34%
Feeling physically burdened by providing care for another person	25%	24%	30%	23%	32%	21%	22%	20%	24%
Feeling emotionally burdened by providing care for another person	32%	26%	35%	24%	32%	25%	29%	24%	28%
Feeling financially burdened by providing care for another person	35% G H	23%	30%	20%	27%	24%	17%	12%	24%
Dealing with legal issues	40% B	20%	29%	21%	37%	28%	27%	28%	29%
Having adequate information or dealing with public programs such as Social Security, Medicare and Medicaid	55%	39%	41%	47%	68% B C D F G H	46%	43%	37%	47%
Finding work in retirement	24%	30%	17%	25%	36%	33%	29%	28%	29%
Building skills for paid or unpaid work	25%	27%	18%	23%	31%	35%	25%	31%	28%
Not knowing what services are available to older adults in your community	70%	72%	74%	69%	74%	63%	66%	57%	67%
Feeling lonely or isolated	48% C D G	31%	29%	28%	44%	33%	26%	37%	34%
Dealing with the loss of a close family member or friend	33%	36%	34%	32%	51% D G	45% G	27%	32%	38%
Being a victim of crime	9%	1%	8%	2%	16% B D	12% B D	12%	14%	10%
Being a victim of fraud or a scam	27% D	18%	19%	10%	32% D G	20%	15%	29% D	21%
Being physically or emotionally abused	6%	0%	0%	5%	21% A B C D F G H	7%	2%	5%	6%
Dealing with financial planning issues	46% C D G	41%	21%	23%	52% C D G H	48% C D G H	24%	29%	38%
Being treated unfairly or discriminated against because of your age	27%	22%	15%	16%	38% C D F G	23%	22%	23%	23%

**Table 8: Question 7**

Percent of respondents who spent at least 1 day...	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
As a patient in a hospital	38% E F G	22%	22%	23%	20%	22%	21%	21%	23%
In an emergency room	47% B F	25%	31%	35%	41%	28%	31%	34%	33%
In a nursing home or in-patient rehabilitation facility	5%	9%	2%	2%	13% C D H	7%	5%	3%	6%

**Table 9: Question 8**

Were you hospitalized in the past 12 months due to any of the following conditions? (Please check all that apply.)	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
Congestive heart failure	3%	5%	0%	2%	5%	1%	0%	9%	3%
Heart attack	2%	0%	0%	4%	2%	1%	0%	4%	2%
Pneumonia	0%	3%	0%	3%	5%	2%	2%	2%	2%
COPD	2%	0%	0%	2%	3%	2%	2%	0%	1%
None of these	94%	92%	100%	89%	90%	95%	97%	91%	94%

**Table 10: Question 9**

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents who had at least 1 fall in the past 12 months	56% B C D F G H	29%	34%	22%	41% D	33%	27%	31%	34%

**Table 11: Question 10**

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents "somewhat" or "very" likely to recommend living in community	79%	91% E F G H	90% E F G H	84%	72%	73%	68%	69%	77%

Table 12: Question 11

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents "somewhat" or "very" likely to remain in community throughout their retirement	81%	91%	92%	85%	85%	83%	78%	83%	84%

Table 13: Question 12

	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Percent of respondents who drive themselves "all" or "most" of the time	95%	98%	95%	96%	100% F	92%	94%	92%	95%

Table 14: Question 13

Percent of respondents who participated in or did the following at least once:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Used a senior center in your community	12%	6%	11%	13%	14%	16%	10%	28% A B C D G	14%
Used a recreation center in your community	28%	28%	27%	35%	25%	25%	22%	27%	27%
Used a public library in your community	60%	45%	50%	68% B F	62% F	44%	71% B C F H	51%	56%
Used bus, rail, on-demand/senior transportation or other public transportation instead of driving	7%	12%	9%	2%	3%	14% D E G	3%	16% D E G	9%
Visited a neighborhood park	67% E H	75% C E F G H	48%	68% C E F H	44%	51%	54%	43%	56%
Visited a nutrition/meal site	2%	7%	10% D	0%	12% A D	13% A D H	5%	2%	7%

Table 15: Question 14

Percent of respondents who attended or watched a local public meeting at least once:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Attended a local public meeting	15%	25%	18%	18%	16%	22%	38%	13%	21%
Watched (online or on television) a local public meeting	10%	16%	14%	13%	12%	29%	14%	19%	17%

Table 16: Question 15

Percent of respondents who spent at least 1 hour doing the following:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Participating in a club (including book, dance, game and other social)	22%	29%	41%	20%	29%	25%	37%	45%	30%
Participating in a civic group (including Elks, Kiwanis, Masons, etc.)	13%	8%	4%	10%	10%	11%	15%	22%	11%
Communicating/ visiting with friends and/or family	95%	100%	86%	97%	89%	87%	93%	100%	93%
Participating in religious or spiritual activities with others	61%	73%	60%	65%	80%	59%	64%	64%	65%
Participating in a recreation program or group activity	35%	35%	58%	30%	30%	45%	42%	42%	40%
Providing help to friends or relatives	83%	92%	77%	77%	76%	73%	76%	79%	78%
Volunteering your time to some group/activity in your community	36%	29%	38%	40%	31%	36%	31%	43%	35%

Table 17: Question 16: Hours Spent Providing Care

Percent of respondents who provided at least 1 hour of care to...	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
One or more individuals age 60 or older	46%	27%	42%	29%	37%	45%	58%	46%	42%
One or more individuals age 18 to 59	29%	37%	22%	25%	34%	25%	27%	29%	28%
One or more individuals under age 18	26%	33%	29%	23%	25%	24%	34%	26%	27%

Table 18: Question 17

Please indicate whether you or another adult age 60 or older in your household has any of the following health conditions.	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
Arthritis/rheumatic disease	81%	55%	58%	56%	65%	62%	61%	61%	62%
Diabetes	27%	26%	30%	32%	47%	34%	47%	43%	36%
Heart disease	32%	15%	20%	33%	36%	32%	29%	45%	31%
High blood pressure	69%	60%	70%	63%	65%	68%	71%	79%	68%
Lung disease (asthma, emphysema, bronchitis)	21%	22%	10%	26%	32%	23%	9%	31%	22%
Cancer	12%	7%	26%	11%	7%	10%	29%	8%	13%
Osteoporosis	31%	20%	36%	28%	37%	33%	36%	31%	32%
None/no health conditions in household	3%	8%	18%	10%	9%	11%	2%	4%	8%

Table 19: Question 18

Percent of respondents who always or usually do each of the following:	Boone County	Hamilton County	Hancock County	Hendricks County	Johnson County	Marion County	Morgan County	Shelby County	AAA Overall
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Eat at least 5 portions of fruits and vegetables a day	34%	41%	23%	46% C H	45% C	32%	34%	27%	35%
Participate in moderate or vigorous physical activity	40% E	38%	40%	38%	22%	28%	25%	33%	32%
Receive assistance from someone almost every day	34%	26%	42% D E G	21%	23%	30%	23%	29%	28%
Vote in local elections	84%	92% E	89%	85%	77%	85%	87%	78%	85%