

# Summary of Linn County

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## Demographic Information

- The average age of respondents to the survey were within the 65-84 age group with 34.8%, followed by the age group of 45-64 with 33%, and 22.6% from the 25-44 year age group. Most of the respondents to the survey were female with 57.4%, while 40.9% were male.
- Residents of Linn County reported that 38.5% of family members have group health insurance, 24.4% have Medicare with supplemental insurance, and 13.8% have private insurance.
- Overall, 98.3% responded that their ethnicity was white. Hispanic or Latino was reported by .9%.
- Of the respondents, 92.1% did not respond to the question of membership in a cultural community. The Mennonite community was reported by .9%, while 7% reported other.
- The most common response for education level was high school with 39.1%. Some level of college was attended by 32.2%, while 22.6% reported attaining a college degree or higher. Less than a high school education was reported by 6.1%.
- The annual household income level was reported by 33% as \$25,001-\$40,000. An earned income of \$10,000-\$25,000 was reported by 25.2%, while 15.7% reported \$40,001-\$55,000.

## Health Concerns

### Lifestyle Health Risks

- The major **important** issues indicated were: illegal drug use at 83.5%, underage drinking at 78.3%, and teen pregnancy at 76.5%.
- The most common responses for issues that are **not important** were: lead in homes at 11.3%, helmet use at 9.6%, and condom use at 7.8%.
- In the needs **being adequately met** category, 67.8% responded yes for adequate immunizations, and 53.9% replied yes for both child safety seat use and seatbelt use.
- The most common responses for needs **not adequately being met** were: 55.7% for underage drinking, 52.2% for illegal drugs, and 48.7% for tobacco use.

### Diseases

- The most common responses for **important** risks were: cancer at 80.9%, heart disease at 76.5%, plus both Alzheimer's disease and high cholesterol at 73.9%.

- The most common responses for issues that are **not important** were: HIV/AIDS at 11.3%, and pulmonary disease at 7.8%.
- For needs **adequately being met**, 38.3% of respondents replied with a yes for both arthritis and osteoporosis, 39.1% for influenza, and 40% for high blood pressure.
- The issues that respondents felt were **not adequately being met** were: depression at 38.3%, cancer at 33.9%, and dental problems at 31.3%.

### Environmental Health

- The three concerns with the largest percentage of respondents marking **important** were: drinking water quality at 82.6%, crime prevention at 76.5%, and restaurant inspection at 70.4%.
- The issues that were indicated most as **not important** include: bioterrorism at 18.3%, and onsite sewage inspection at 13.9%.
- The three concerns with the largest percentage of respondents marking that the needs were **being adequately met** were: trash disposal with 63.5%, drinking water quality with 41.7%, and workplace safety/health with 40.9%.
- The two concerns with the largest percentage of respondents marking that the needs were **not adequately being met** were: recycling at 41.7%, and domestic animal control at 32.2%.

### **Affordable Health Care**

- Prescription drugs (51.3%), health insurance (45.2%), and urgent/emergency care (43.5%) had the highest percentages of respondents in the not affordable category.
- In the response category of affordable, vision with 16.5%, and dental care with 14.8% had the most respondents.

### **Local Health Care**

- Services most commonly rated excellent were private physician at 34.8%, and county health department at 33%.
- Services most commonly rated as poor were the local hospital at 26.1%, and private physicians at 13%.
- The services that were marked as used in the last year were: private physician at 70.4%, and local hospital at 46.1%.
- The most frequent reasons for not using these services were under the categories of went to a larger city with more medical services at 29.6%, and both do not provide services my family needs and other at 11.3%.

### **Other Needs**

- Consumer insurance education programs received a poor rating by 36.5% of those who responded. Chronic disease support groups and skin cancer screenings also received a rating of poor by 35.7% and 29.6% respectively.
- In the rating of excellent, immunizations for children received 33.9%, flu shots received 29.6%, and physical therapy received 27.8%.
- Flu shots (64.3%), blood pressure screenings (63.5%), immunizations for children (61.7%), physical therapy (61.7%), respite/hospice (60.9), immunizations for adults (60.0%), and cholesterol screenings were rated as the services **needed** most.
- Nutrition counseling/education (11.3%), physical therapy (10.4%), and consumer insurance education (10.4%) were the most common responses to services the county does **not need**.

# Linn County Data Results

Report for Linn County      Number of Respondents - 115      Response Rate – 18.49%

## I. Demographic Information

### A. Age of person responding to survey:

<i>Age</i>	<i>Number</i>	<i>Percent</i>
18-24	3	2.6
25-44	26	22.6
45-64	38	33.0
65-84	40	34.8
85+	6	5.2

### B. Sex of person responding to survey:

<i>Sex</i>	<i>Number</i>	<i>Percent</i>
Male	47	40.9
Female	66	57.4

### C. Number of people living in household of respondent: 283

	<i>Age 0-5</i>	<i>Age 6-17</i>	<i>Age 18-24</i>	<i>Age 25-44</i>	<i>Age 45-64</i>	<i>Age 65-84</i>	<i>Age 85+</i>
Female(s)	14	26	9	28	34	39	5
Male(s)	11	21	7	24	30	33	2

### D. Type of health coverage of members of the household:

<i>Type of Health Coverage</i>	<i>Number</i>	<i>Percent</i>
		+
None	27	9.5
Private Insurance	39	13.8
Group Insurance	109	38.5
Medicare with supplement	69	24.4
Medicare without supplement	11	3.8
Medicaid	8	2.8
MC+	7	2.5

\*Percentages were calculated using the total of individuals living in the household as the denominator (item C), regardless of whether the respondent left an entry blank or counted two types of health insurance for the same individual (item D).

### E. Ethnicity of person responding to survey:

<i>Ethnicity</i>	<i>Number</i>	<i>Percent</i>
White	113	98.3
Black	0	0
American Indian or Alaskan Native	0	0
Asian	0	0
Hispanic or Latino	1	0.9
Native Hawaiian or other Pacific Islander	0	0
Other	0	0

### F. Membership in cultural community:

<i>Cultural Community</i>	<i>Number</i>	<i>Percent</i>
Amish	0	0
Mennonite	1	0.9
Other	8	7.0

**G. Education level of person responding:**

<i>Education Level</i>	<i>Number</i>	<i>Percent</i>
Less Than High School	7	6.1
High School Diploma	45	39.1
Some College	37	32.2
College Degree or Higher	26	22.6

**H. Annual household income level:**

<i>Income Level</i>	<i>Number</i>	<i>Percent</i>
Under \$10,000	4	3.5
\$10,000-\$25,000	29	25.2
\$25,001-\$40,000	38	33.0
\$40,001-\$55,000	18	15.7
\$55,001-\$70,000	8	7.0
\$70,000+	12	10.4

**II. Health Concerns:** In your opinion, how important are the following health/safety issues in your community? Also, please indicate if you think adequate services are available.

**A. Lifestyle Health Risks**

	<i>Not Important</i>		<i>Somewhat Important</i>		<i>Important</i>		<i>Adequately being met?</i>					
							<i>Yes</i>		<i>No</i>		<i>Don't Know</i>	
	#	%	#	%	#	%	#	%	#	%	#	%
<b>Abuse/neglect:</b>												
<b>a. Child</b>	2	1.7	17	14.8	84	73.0	32	27.8	25	21.7	50	43.5
<b>b. Spouse</b>	4	3.5	26	22.6	67	58.3	33	28.7	15	13.0	54	47.0
<b>c. Elder</b>	1	0.9	26	22.6	72	62.6	31	27.0	13	11.3	58	50.4
<b>Adequate immunization</b>	5	4.3	9	7.8	87	75.7	78	67.8	6	5.2	21	18.3
<b>Condom use</b>	9	7.8	24	20.9	63	54.8	16	13.9	17	14.8	70	60.9
<b>Injury of elders in home</b>	8	7.0	26	22.6	65	56.5	25	21.7	12	10.4	66	57.4
<b>Lack of exercise</b>	3	2.6	40	34.8	64	55.7	30	26.1	37	32.2	38	33.0
<b>Lead in homes</b>	13	11.3	35	30.4	50	43.5	23	20.0	7	6.1	73	63.5
<b>Obesity</b>	6	5.2	21	18.3	80	69.6	28	24.3	53	46.1	28	24.3
<b>Oral hygiene/care</b>	2	1.7	27	23.5	75	65.2	35	30.4	36	31.3	36	31.3
<b>Prenatal care</b>	4	3.5	17	14.8	80	69.6	40	34.8	21	18.3	41	35.7
<b>Safety-vehicular:</b>												
<b>a. Helmet use</b>	11	9.6	26	22.6	67	58.3	41	35.7	27	23.5	37	32.2
<b>b. Child safety seat use</b>	5	4.3	15	13.0	87	75.7	62	53.9	23	20.0	23	20.0
<b>c. Seatbelt use</b>	8	7.0	21	18.3	79	68.7	62	53.9	26	22.6	20	17.4
<b>School violence</b>	6	5.2	14	12.2	72	62.6	39	33.9	16	13.9	46	40.0
<b>Substance use:</b>												
<b>a. Binge drinking</b>	8	7.0	17	14.8	81	70.4	17	14.8	39	33.9	50	43.5
<b>b. Illegal drug use</b>	1	0.9	11	9.6	96	83.5	21	18.3	60	52.2	29	25.2
<b>c. Tobacco use</b>	8	7.0	21	18.3	78	67.8	21	18.3	56	48.7	32	27.8
<b>d. Underage drinking</b>	2	1.7	15	13.0	90	78.3	14	12.2	64	55.7	30	26.1
<b>Suicide</b>	8	7.0	20	17.4	73	63.5	16	13.9	14	12.2	75	65.2
<b>Teen pregnancy</b>	2	1.7	17	14.8	88	76.5	12	10.4	47	40.9	51	44.3

**II. Health Concerns (cont.):** In your opinion, how important are the following health/safety issues in your community? Also, please indicate if you think adequate services are available.

**B. Diseases**

	<i>Not Important</i>		<i>Somewhat Important</i>		<i>Important</i>		<i>Adequately being met?</i>					
							<i>Yes</i>		<i>No</i>		<i>Don't Know</i>	
	#	%	#	%	#	%	#	%	#	%	#	%
<b>Alzheimer's disease</b>	3	2.6	22	19.1	85	73.9	22	19.1	27	23.5	58	50.4
<b>Arthritis</b>	3	2.6	37	32.2	70	60.9	44	38.3	19	16.5	45	39.1
<b>Asthma</b>	1	0.9	35	30.4	69	60.0	34	29.6	16	13.9	57	49.6
<b>Cancer</b>	0	0	18	15.7	93	80.9	32	27.8	39	33.9	40	34.8
<b>Dental problems</b>	3	2.6	36	31.3	70	60.9	31	27.0	36	31.3	42	36.5
<b>Depression</b>	2	1.7	31	27.0	74	64.3	12	10.4	44	38.3	52	45.2
<b>Hearing loss</b>	5	4.3	39	33.9	60	52.2	28	24.3	27	23.5	52	45.2
<b>Heart disease</b>	1	0.9	19	16.5	88	76.5	36	31.3	27	23.5	47	40.9
<b>High blood pressure</b>	1	0.9	23	20.0	84	73.0	46	40.0	22	19.1	41	35.7
<b>High cholesterol</b>	2	1.7	22	19.1	85	73.9	40	34.8	28	24.3	43	37.4
<b>HIV/AIDS</b>	13	11.3	16	13.9	75	65.2	15	13.0	29	25.2	65	56.5
<b>Influenza</b>	6	5.2	31	27.0	67	58.3	45	39.1	21	18.3	41	35.7
<b>Lung disease</b>	6	5.2	30	26.1	66	57.4	26	22.6	17	14.8	63	54.8
<b>Mental disorders</b>	7	6.1	24	20.9	74	64.3	21	18.3	33	28.7	52	45.2
<b>Osteoporosis</b>	3	2.6	31	27.0	73	63.5	26	22.6	27	23.5	53	46.1
<b>Pneumonia</b>	7	6.1	28	24.3	72	62.6	44	38.3	16	13.9	47	40.9
<b>Pulmonary disease (COPD)</b>	9	7.8	22	19.1	74	64.3	26	22.6	17	14.8	63	54.8
<b>Vision loss</b>	4	3.5	23	20.0	82	71.3	35	30.4	27	23.5	47	40.9
<b>Other</b>	1	0.9	3	2.6	11	9.6	1	0.9	4	3.5	11	9.6

**II. Health Concerns (cont.):** How important are services on the following issues in your community? Also, please indicate if you think adequate services are available.

**C. Environmental Health**

	<i>Not Important</i>		<i>Somewhat Important</i>		<i>Important</i>		<i>Adequately being met?</i>					
							<i>Yes</i>		<i>No</i>		<i>Don't know</i>	
	#	%	#	%	#	%	#	%	#	%	#	%
<b>Bioterrorism</b>	21	18.3	38	33.0	43	37.4	24	20.9	18	15.7	64	55.7
<b>Community safety</b>	5	4.3	33	28.7	68	59.1	47	40.9	16	13.9	41	35.7
<b>Crime prevention</b>	3	2.6	17	14.8	88	76.5	40	34.8	34	30.0	33	28.7
<b>Domestic animal control</b>	13	11.3	46	40.0	48	41.7	42	36.5	37	32.2	29	25.2
<b>Drinking water quality</b>	1	0.9	11	9.6	95	82.6	48	41.7	35	30.4	28	24.3
<b>Hazardous materials handling</b>	9	7.8	23	20.0	75	65.2	25	21.7	15	13.0	67	58.3
<b>Housing safe and adequate</b>	7	6.1	38	33.0	62	53.9	38	33.0	19	16.5	50	43.5
<b>Indoor air quality</b>	11	9.6	40	34.8	57	49.6	37	32.2	15	13.0	56	48.7
<b>Lead poisoning inspection</b>	14	12.2	34	29.6	56	48.7	24	20.9	22	19.1	59	51.3
<b>Onsite sewage inspection</b>	16	13.9	32	27.8	59	51.3	23	20.0	16	13.9	66	57.4
<b>Outdoor air quality</b>	12	10.4	31	27.0	63	54.8	33	28.7	17	14.8	56	48.7
<b>Pest control (insects, rats)</b>	10	8.7	33	28.7	63	54.8	39	33.9	16	13.9	53	46.1
<b>Recreational water quality</b>	7	6.1	43	37.4	59	51.3	33	28.7	13	11.3	61	53.0
<b>Recycling</b>	12	10.4	37	32.2	59	51.3	19	16.5	48	41.7	39	33.9
<b>Restaurant inspection</b>	3	2.6	22	19.1	81	70.4	26	22.6	26	22.6	57	49.6
<b>Trash disposal</b>	5	4.3	25	21.7	77	67.0	73	63.5	13	11.3	23	20.0
<b>Workplace safety/health</b>	5	4.3	23	20.0	74	64.3	47	40.9	16	13.9	42	36.5
<b>Other</b>	1	0.9	2	1.7	5	4.3	1	0.9	2	1.7	5	4.3

**III. Affordable Health Care:** In your opinion, how affordable are the following services in your community?

	<i>Not affordable</i>		<i>Somewhat affordable</i>		<i>Affordable</i>		<i>Don't Know</i>	
	#	%	#	%	#	%	#	%
<b>Dental care</b>	39	33.9	49	42.6	17	14.8	5	4.3
<b>Health insurance</b>	52	45.2	41	35.7	11	9.6	7	6.1
<b>Medical care</b>	45	39.1	50	43.5	15	13.0	3	2.6
<b>Mental health care</b>	37	32.2	25	21.7	2	1.7	43	37.4
<b>Prescription drugs</b>	59	51.3	45	39.1	7	6.1	2	1.7
<b>Preventative screenings</b>	29	25.2	41	35.7	15	13.0	24	20.9
<b>Urgent or emergency care</b>	50	43.5	38	33.0	17	14.8	5	4.3
<b>Vision</b>	33	28.7	53	46.1	19	16.5	6	5.2

**IV. Local Health Care:** How would you rate the services offered by the following health providers in your area? Also, indicate if you have received services from these providers during the last year.

	<i>Poor</i>		<i>Adequate</i>		<i>Excellent</i>		<i>Don't Know</i>		<i>Used in last year?</i>			
									<i>Yes</i>		<i>No</i>	
	#	%	#	%	#	%	#	%	#	%	#	%
<b>County Ambulance District</b>	5	4.3	56	48.7	21	18.3	25	21.7	19	16.5	78	67.8
<b>County Health Department</b>	4	3.5	44	38.3	38	33.0	21	18.3	37	32.2	54	47.0
<b>Community Health Clinic (other than Health Dept.)</b>	5	4.3	49	42.6	13	11.3	33	28.7	27	23.5	58	50.4
<b>Private Physician</b>	15	13.0	49	42.6	40	34.8	8	7.0	81	70.4	15	13.0
<b>Local Hospital</b>	30	26.1	54	47.0	13	11.3	10	8.7	53	46.1	42	36.5
<b>Telehealth Services</b>	9	7.8	14	12.2	5	4.3	66	57.4	3	2.6	66	57.4

If you have NOT used the above services, please check ALL the reasons that apply:

	#	%
<b>Not physically accessible</b>	0	0
<b>Have no means to pay for these services</b>	9	7.8
<b>These do not provide the services my family needs</b>	13	11.3
<b>Went to a larger city with more medical resources</b>	34	29.6
<b>Did not know these services were provided in my area</b>	11	9.6
<b>Medical provider did not speak my language</b>	7	6.1
<b>Open hours not convenient</b>	3	2.6
<b>Have no transportation</b>	5	4.3
<b>Other</b>	13	11.3

**V. Other Needs:** How well are the following services being met by the health providers in your area? Do you think these services should be available in your county?

	<i>Poor</i>		<i>Adequate</i>		<i>Excellent</i>		<i>County Needs?</i>					
							<i>Yes</i>		<i>No</i>		<i>Don't Know</i>	
	#	%	#	%	#	%	#	%	#	%	#	%
<b>Cardiac rehabilitation</b>	22	19.1	53	46.1	10	8.7	60	52.2	8	7.0	29	25.2
<b>Cancer screenings:</b>												
<b>a. Colon</b>	29	25.2	51	44.3	9	7.8	67	58.3	6	5.2	21	18.3
<b>b. Prostate</b>	29	25.2	48	41.7	9	7.8	67	58.3	5	4.3	21	18.3
<b>c. Skin</b>	34	29.6	50	43.5	7	6.1	67	58.3	4	3.5	23	20.0
<b>Chronic disease support groups</b>	41	35.7	30	26.1	5	4.3	36	31.3	10	8.7	48	41.7
<b>Communicable disease control</b>	31	27.0	44	38.3	6	5.2	44	38.3	8	7.0	39	33.9
<b>Community health education</b>	20	17.4	52	45.2	10	8.7	46	40.0	9	7.8	36	31.3
<b>Daycare facility inspection</b>	15	13.0	48	41.7	11	9.6	44	38.3	3	2.6	46	40.0
<b>Family planning</b>	26	22.6	43	37.4	11	9.6	44	38.3	8	7.0	36	31.3
<b>Flu shots</b>	18	15.7	43	37.4	34	29.6	74	64.3	9	7.8	10	8.7
<b>Home visits for the elderly</b>	18	15.7	52	45.2	19	16.5	64	55.7	6	5.2	24	20.9
<b>Immunizations for adults</b>	17	14.8	58	50.4	16	13.9	69	60.0	4	3.5	19	16.5
<b>Immunizations for children</b>	9	7.8	47	40.9	39	33.9	71	61.7	6	5.2	15	13.0
<b>Investigating public health complaints</b>	26	22.6	39	33.9	6	5.2	47	40.9	5	4.3	42	36.5
<b>Issuing birth and death certificates</b>	7	6.1	53	46.1	24	20.9	55	47.8	9	7.8	30	26.1
<b>Lab services</b>	14	12.2	58	50.4	22	19.1	62	53.9	8	7.0	22	19.1
<b>Newborn home visits</b>	23	20.0	38	33.0	8	7.0	45	39.1	6	5.2	43	37.4
<b>Nutrition counseling/education</b>	21	18.3	48	41.7	8	7.0	47	40.9	13	11.3	35	30.4
<b>Physical therapy</b>	10	8.7	53	46.1	32	27.8	71	61.7	12	10.4	13	11.3
<b>Programs</b>												
<b>a. Consumer insurance education</b>	42	36.5	31	27.0	3	2.6	47	40.9	12	10.4	37	32.2
<b>b. Personal fitness/wellness</b>	29	25.2	44	38.3	13	11.3	64	55.7	11	9.6	21	18.3
<b>c. Respite/hospice</b>	14	12.2	53	46.1	23	20.0	70	60.9	8	7.0	18	15.7
<b>d. Support groups</b>	31	27.0	40	34.8	6	5.2	55	47.8	8	7.0	32	27.8
<b>Public health policy development</b>	24	20.9	38	33.0	4	3.5	40	34.8	8	7.0	48	41.7
<b>Radiology (X-ray)</b>	13	11.3	63	54.8	16	13.9	66	57.4	8	7.0	20	17.4
<b>Respiratory therapy</b>	19	16.5	51	44.3	10	8.7	57	49.6	8	7.0	29	25.2
<b>School health services</b>	14	12.2	60	52.2	13	11.3	61	53.0	9	7.8	26	22.6
<b>Screenings</b>												
<b>a. Blood pressure</b>	13	11.3	55	47.8	21	18.3	73	63.5	2	1.7	18	15.7
<b>b. Bone density</b>	23	20.0	53	46.1	11	9.6	65	56.5	6	5.2	23	20.0
<b>c. Cholesterol</b>	15	13.0	57	49.6	18	15.7	69	60.0	7	6.1	20	17.4
<b>d. Diabetic testing</b>	17	14.8	56	48.7	16	13.9	68	59.1	5	4.3	21	18.3
<b>STD testing/treatment</b>	23	20.0	28	24.3	13	11.3	43	37.4	5	4.3	46	40.0
<b>Women's health services</b>												
<b>a. Mammograms</b>	22	19.1	50	43.5	13	11.3	65	56.5	7	6.1	23	20.0
<b>b. Pap smear</b>	16	13.9	52	45.2	17	14.8	66	57.4	7	6.1	22	19.1
<b>c. Pregnancy testing</b>	7	6.1	54	47.0	18	15.7	59	51.3	6	5.2	30	26.1
<b>d. WIC</b>	11	9.6	45	39.1	25	21.7	60	52.2	7	6.1	28	24.3