



July 13, 2020

2019 Community Cancer Survey Results

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Ohio HONORS Program Summer Research Apprentice

Introductions/History

- Vinton County Cancer Research Group and Ohio University Partnership
 - July 10, 2018
 - Randy Yates contacted Ohio University Office of Research
 - Andrea Gibson, Director of Research Communications, emailed Dr. Mike Boyle and Dr. Rox Male'-Brune regarding Randy's inquiry
 - Dr. Boyle contacted Dr. Melissa Thomas
 - August 2, 2018
 - Drs. Boyle and Thomas attended next meeting and shared preliminary survey results

Report: Vinton County has highest cancer incidence rates in Ohio

By SYDNEY DAVES Courier Staff Journalist Nov 21, 2018 Updated Nov 22, 2018



By SYDNEY DAVES/Courier Staff Journalist

Note: This story appears in the Wednesday, Nov. 21 newspaper on Page A1.

McARTHUR — The Ohio Department of Health published its 2018 Cancer Report and found that Vinton County has the highest age-adjusted cancer incidence rate in the entire state.

Vinton County also has the second-highest cancer mortality rate of the 88 counties, trailing behind Lawrence County.

Survey Overview

- Survey included 4 main sections:
 - Self-identified cancer cases
 - Behavioral risk factors
 - Environmental risk factors
 - Demographics

Limitations

- Self-reported data
 - Could fill it out for someone else
- Small sample size
- Convenient sample, not random or generalizable
- Misunderstanding about the environmental and behavioral questions
- Option to leave questions blank

Results

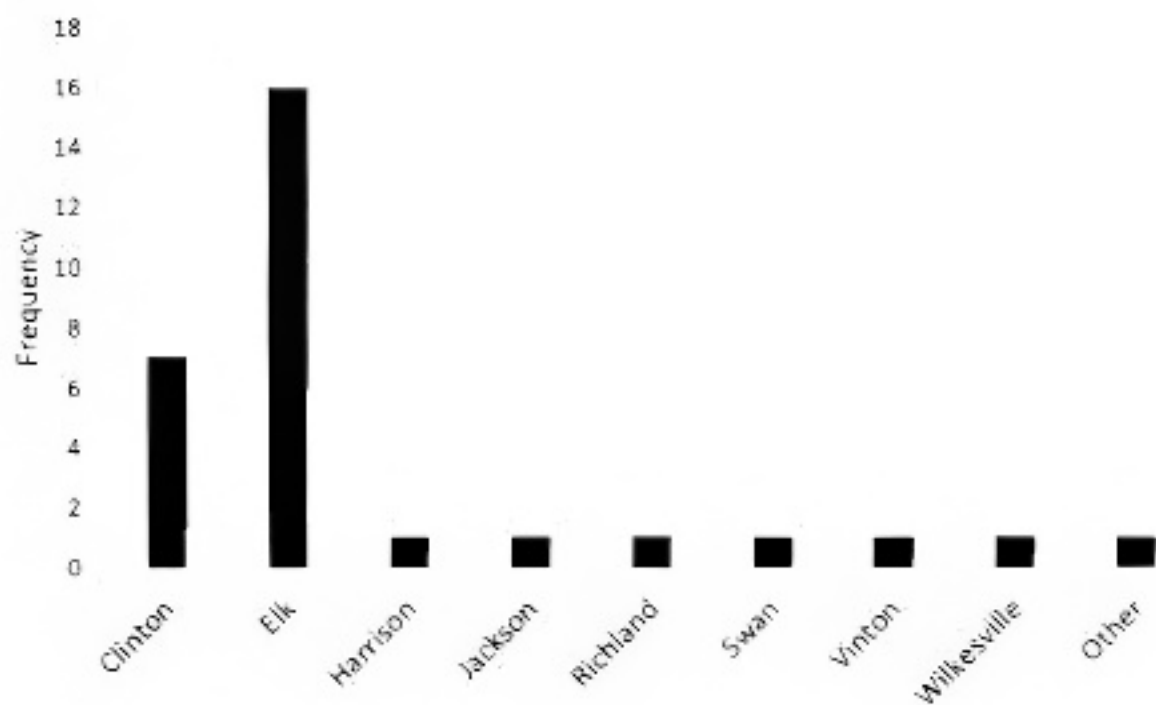
- 107 Responses Total
- Cleaning the Data:
 - Deleted entries that were completely blank (5)/didn't know anyone who had cancer (15)
 - Duplicate Entries: Kept the one that was reported by individual or family member over research person or other individual; combined entries when some questions were empty; deleted duplicates (3)
 - After checking for duplicates and deleting empty entries: **Total entries: 84**

Results: Demographics

3b iv. Township - Selected

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Clinton	7	8.3	23.3	23.3
	Elk	16	19.0	53.3	76.7
	Harrison	1	1.2	3.3	80.0
	Jackson	1	1.2	3.3	83.3
	Richland	1	1.2	3.3	86.7
	Swan	1	1.2	3.3	90.0
	Vinton	1	1.2	3.3	93.3
	Wilkesville	1	1.2	3.3	96.7
	Other	1	1.2	3.3	100.0
	Total	30	35.7	100.0	
Missing	System	54	64.3		
Total		84	100.0		

Results: Demographics-Township

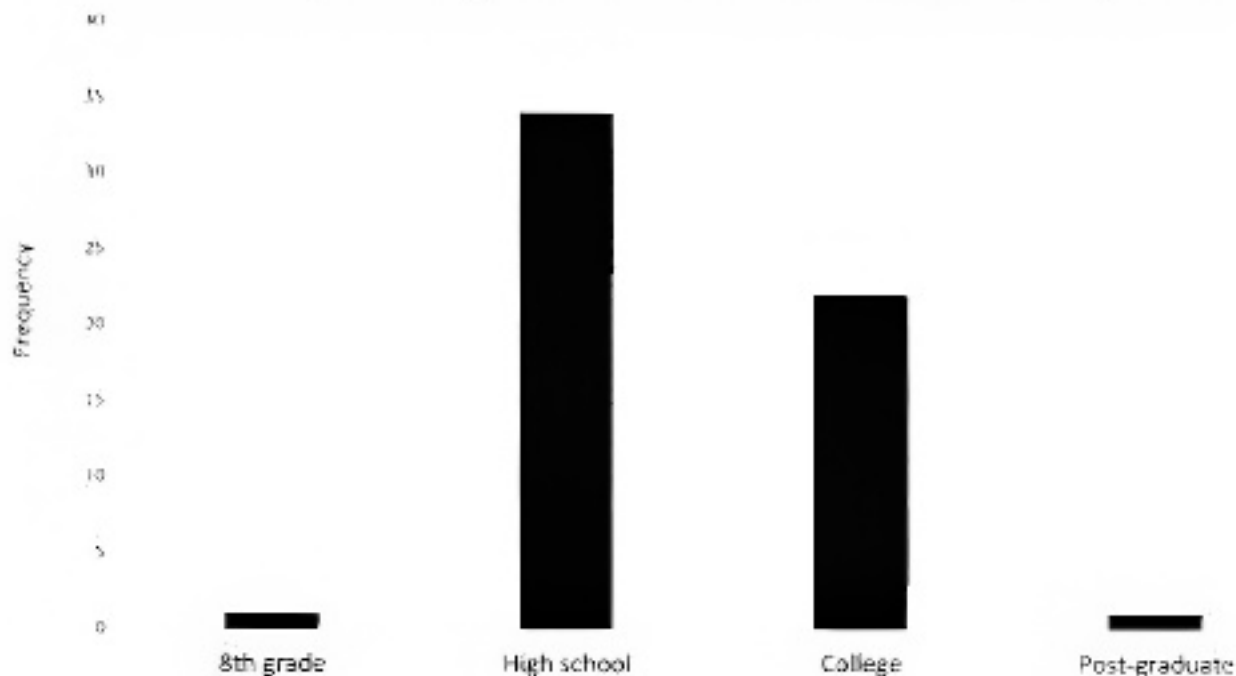


Results: Demographics

- 37 Female, 21 Male, 1 Non-binary/third gender, 1 prefer to self-describe
- Age at diagnosis ranged from 3 to 92
- Most had either high school or college as highest education
- Most were either employed or retired

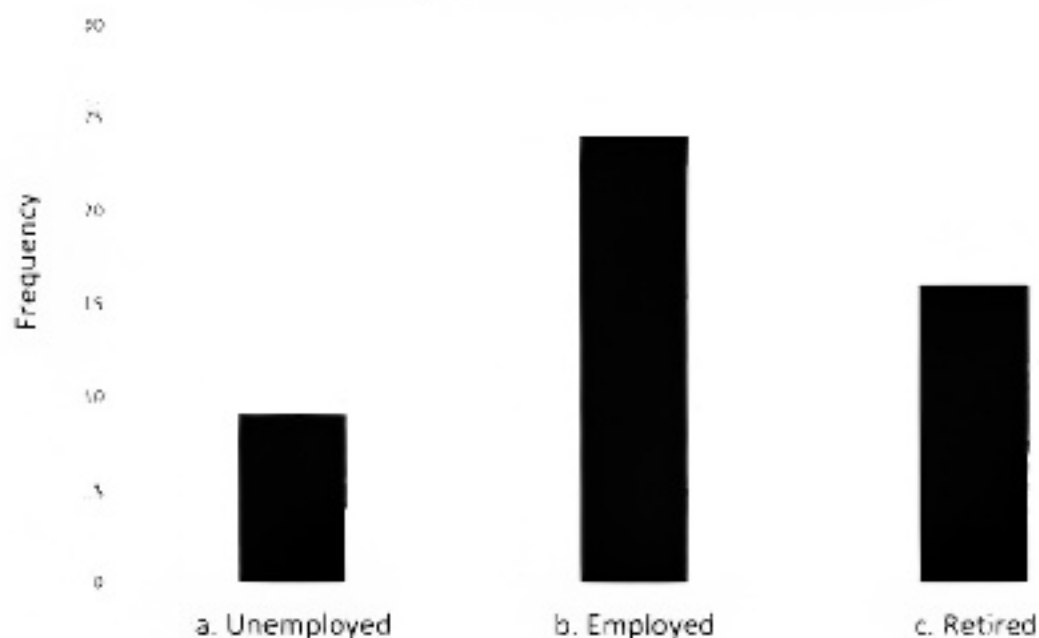
Results: Demographics

What is your highest level of education completed?



Results: Demographics

What is your employment status?



Results: Status

4. Please state the current status of the cancer/community member.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	a. The cancer is in remission.	15	17.9	20.8	20.8
	b. The cancer is currently being treated.	19	22.6	26.4	47.2
	c. The individual is deceased (list month/date/year) :	38	45.2	52.8	100.0
	Total	72	85.7	100.0	
Missing	System	12	14.3		
Total		84	100.0		

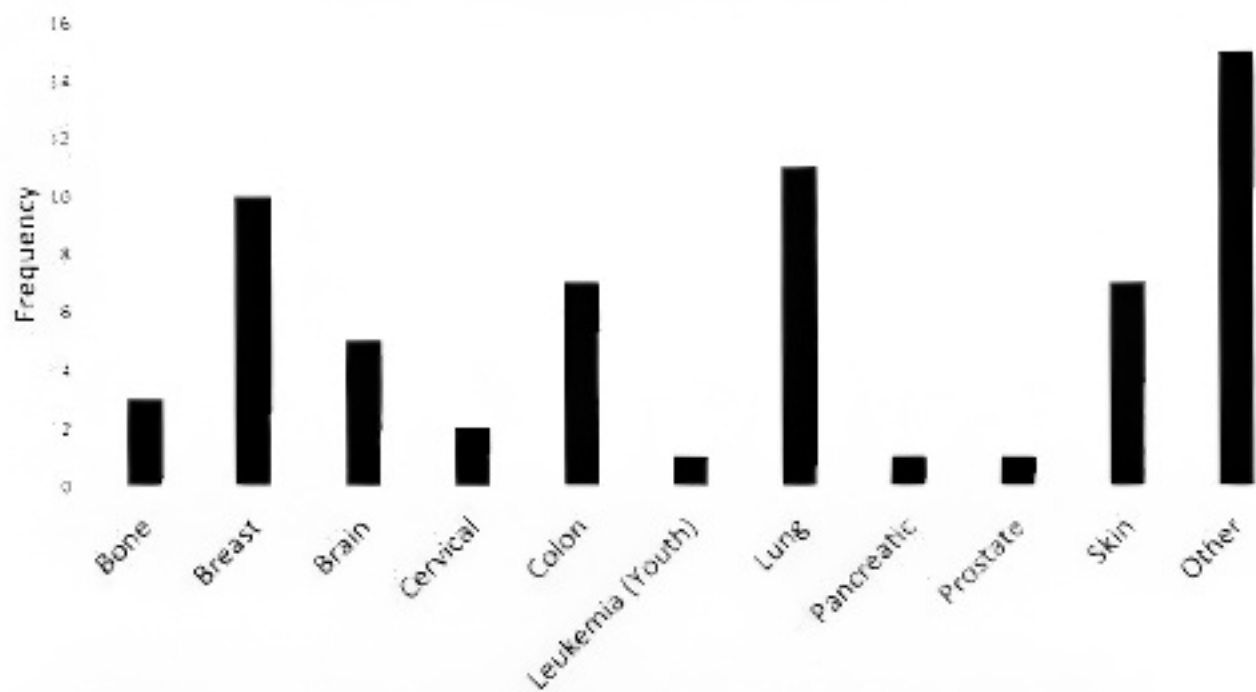
Results

5b i. What type of cancer?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Bone	3	3.6	4.8	4.8
	Breast	10	11.9	15.9	20.6
	Brain	5	6.0	7.9	28.6
	Cervical	2	2.4	3.2	31.7
	Colon	7	8.3	11.1	42.9
	Leukemia (Youth)	1	1.2	1.6	44.4
	Lung	11	13.1	17.5	61.9
	Pancreatic	1	1.2	1.6	63.5
	Prostate	1	1.2	1.6	65.1
	Skin	7	8.3	11.1	76.2
	Other	15	17.9	23.8	100.0
	Total	63	75.0	100.0	
Missing	System	21	25.0		
Total		84	100.0		

Results

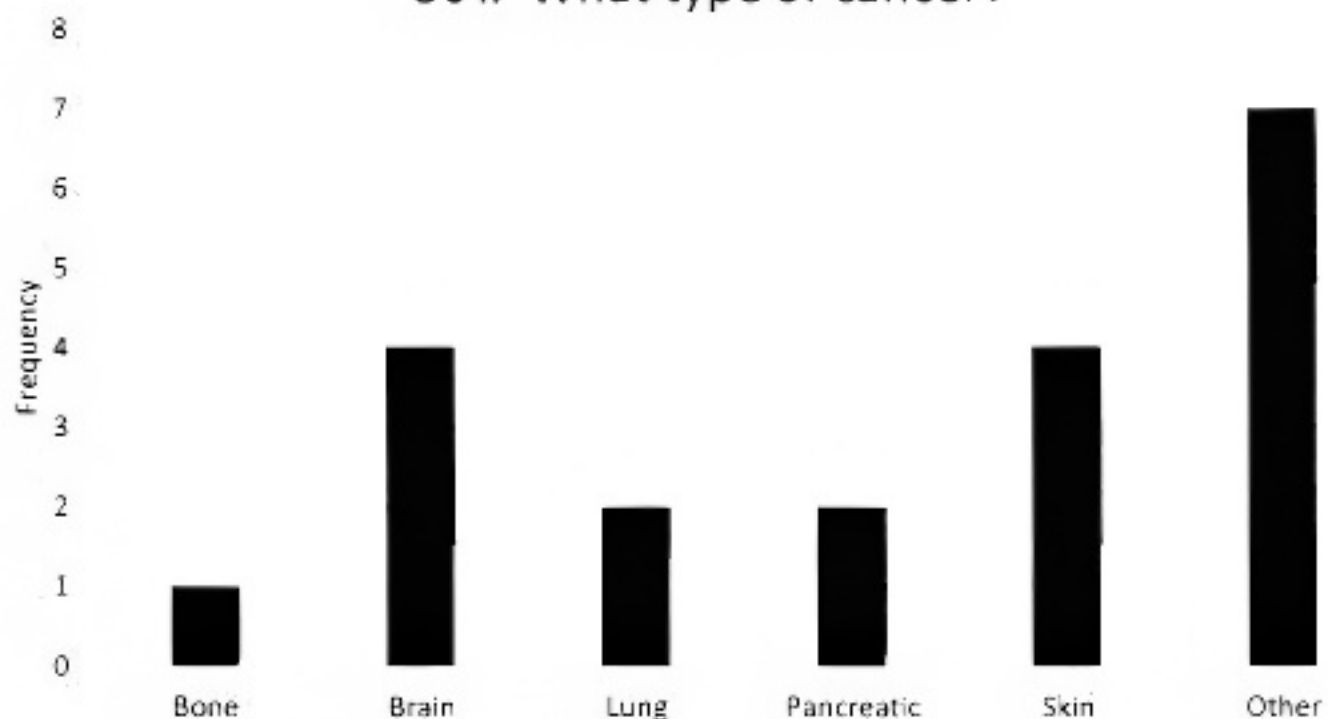
5bi. What type of cancer?



*23 of 84 were diagnosed with more than one cancer

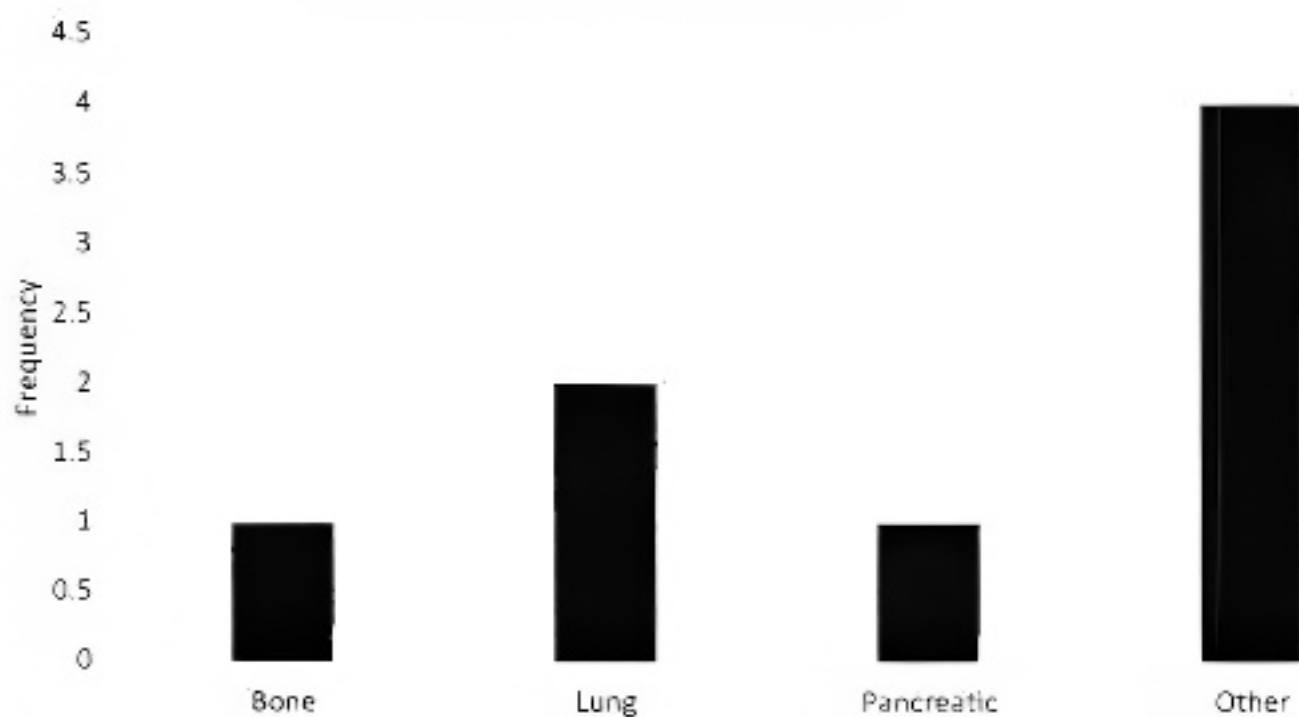
Results

5c i. What type of cancer?



Results

5d i. What type of cancer?



Results

- Other types of cancer included:
 - Bladder (3)
 - blood polycythemia (1)
 - Esophageal (3)
 - Kidney (1)
 - Melanoma (1)
 - Liver (5)
 - Neuroendocrine (1)
 - Stomach (4)
 - Thyroid (2)
 - Lymphoma (2)
 - Total Blockage Small Intestine (1)
 - Sister Mary Joseph (Belly Button) (1)

Results – Environmental

Water

- 35.7% Well Water
- 20.5% City Water
- 8.3% Bottled Water
- 0% cistern water

On Property:

- 2 have oil well
- 6 natural gas well
- 2 have fracking well
- 2 live near fracking well

Results –

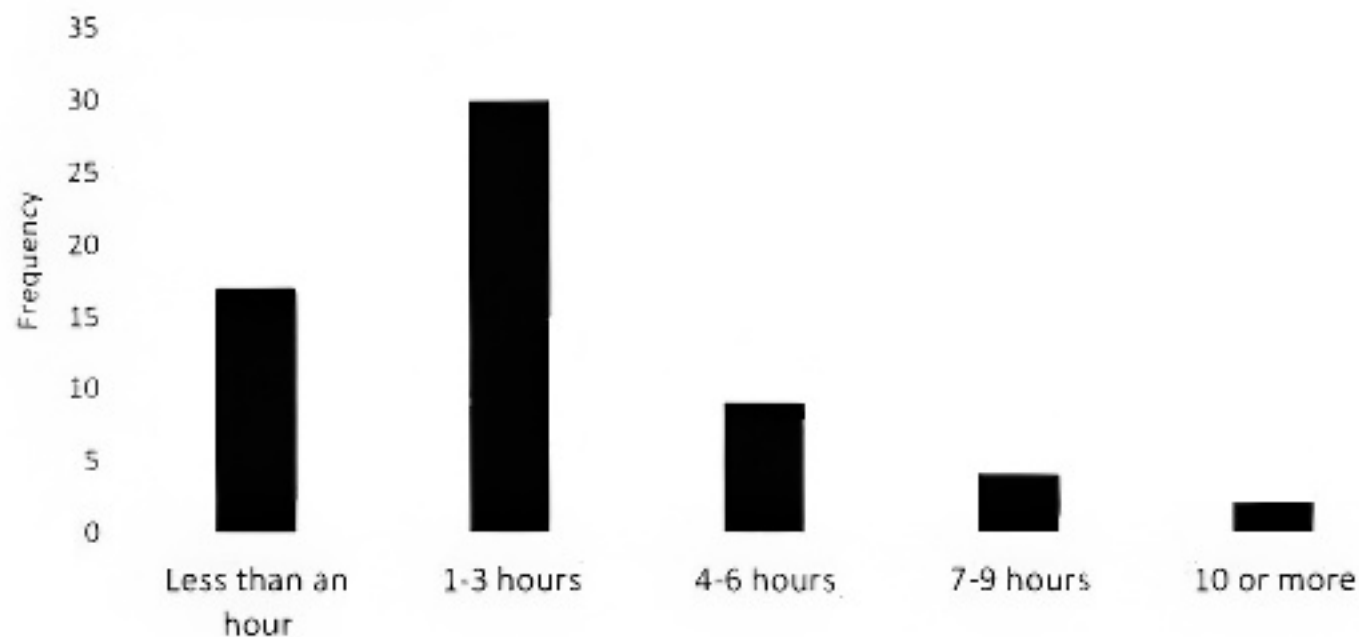
Behavioral/environmental

- 31% used to smoke
- 29.9% never smoked
- 19% parents smoked
- 11.9% currently smoke
- 10.7% live with someone who smokes
- 13 people have a farm
- 29 people have a garden
- Laundry:
 - 57 use washer/dryer
 - 10 hand wash/hang dry
 - 6 use laundromat
 - 2 dry clean
 - 1 uses clothesline

Results –

Behavioral/Environmental

12. How many hours do you spend outside on an average day?



Results – Environmental

- 16 people (19%) have had a job where they were exposed to hazardous materials
- 7 people (8.3%) have lived at a place where there were concerns of exposure to hazardous substances
 - 35.7% had not, 27.4% didn't know

Results: Existing Health Conditions

- High Blood Pressure (25)
 - Heart Disease (13)
 - Stroke (7)
 - Diabetes (14)
 - High Cholesterol (16)
 - Thyroid Disease (9)
 - Cancer (22)
 - Gallstones or kidney stones (9)
 - Ulcers (3)
 - Depression (11)
- Other:
- Arthritis (2)
 - Heart Problems (1)

Results

22. In the past year, have you had access to the usual source of care (ex. Primary care provider)?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	43	51.2	82.7	82.7
	No	9	10.7	17.3	100.0
	Total	52	61.9	100.0	
Missing	System	32	38.1		
Total		84	100.0		

Results

23. In the past year, have you postponed needed medical care?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes. What medical care did you need? List here:	9	10.7	18.0	18.0
	No	41	48.8	82.0	100.0
	Total	50	59.5	100.0	
Missing	System	34	40.5		
Total		84	100.0		

Results

24. In the past year, have you postponed getting prescribed or recommended medication?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes. What medication did you need? List here:	3	3.6	6.1	6.1
	No	46	54.8	93.9	100.0
	Total	49	58.3	100.0	
Missing	System	35	41.7		
Total		84	100.0		

What is your biggest health concern for Vinton County?

- Cancer (including cancer due to the water, high cancer rates)
- Availability of Quality Medical Care; distance to medical facilities; follow-ups; lack of primary, emergency and, urgent care
- Diabetes, Heart Disease, and Obesity
- Drug abuse and drug addiction
- Smoking habits and alcohol use
- Abusive relationships
- Poverty
- Contaminated water
- Tanning salons

What do you think is the biggest need for individuals with cancer in Vinton County?

- Awareness
- Transportation to medical resources; cancer clinics and hospitals closer to home: access to healthcare and medications
- Access to early detection and health screenings; access to treatment/treatment facilities
- Health education
- More affordable healthcare/medical facilities, financial support
- Support services, including for transportation
- Nurses
- Healthy water provider

Do you have any environmental concerns around where you live and/or work?

- Water, ground, and air quality; oil pollution; school water
- Saw mill, powder company, Goodyear, mold in office, Old campgrounds and CCC camp
- 2nd hand smoke exposure during home health visits
- Pollution from weed spray and burning trash
- Neighborhood weed killers/pesticides
- High levels of lead that aren't being investigated
- Meth lab abatement

Any other questions/comments?

- Prevalence of cancer in the area

Thoughts/Discussion

- Reaction to Survey Results
- Key Questions to Address

Next Steps?

- Vinton County Cancer Childhood Cancer Study

Contact Information



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