OLMSTED COUNTY COVID-19 IMPACT SURVEY SUPPLEMENTAL DOCUMENT

Created by Olmsted County Public Health Services, April 2021

CONTENTS

Survey Methodology	1
Survey Instrument	
Survey Demographics	
Survey Frequencies	
CHIP Priority Cross Tabs (Mailed Survey Only)	

SURVEY METHODOLOGY

RANDOM MAILED

SURVEY INSTRUMENT

The COVID-19 Impact Survey was developed by a team from Olmsted County and Mayo Clinic Research. Questions were based on previous Community Health Needs Assessment surveys and other national COVID-19 impact surveys. Technical assistance was provided by Mayo Clinic Research. The survey was formatted by the survey vendor, as a scannable, self-administered, English questionnaire.

SAMPLE

A two-stage sampling strategy was used for obtaining a probability sample of adults living in Olmsted County. For the first stage of sampling, a random sample of Olmsted County residential addresses was purchased from a national sampling vendor. An address-based sampling was used so that all households would have an equal chance of being sampled for the survey. For the second stage of sampling, the 'most recent birthday' method of within-household respondent selection was used to specify one adult from each selected household to complete the survey.

SURVEY ADMINISTRATION

An initial survey packet was mailed to 2,000 sampled households in Olmsted County in January 2021. This packet included a cover letter, the survey instrument, and a postage-paid return envelope. Ten days after the first survey packets were mailed, a postcard was sent to all sampled households, reminding those who had not yet returned a survey to do so, and thanking those who had already responded. Two weeks after the reminder postcards were mailed, another full survey packet was sent to all households that had still not returned the survey. The remaining completed surveys were received over the next four weeks, with the final date for the receipt of surveys being in March 2021.

DATA WEIGHTING AND ANALYSIS

To ensure that the county-level survey results are representative of the adult population in Olmsted County, the data was weighted when analyzed. The weighting accounts for the sample design by adjusting for the number of adults living in each sampled household. The weighting also includes a post-stratification adjustment so that the gender and age distribution of the survey respondents mirrors the gender and age distribution of the adult population in Olmsted

County according to the US Census Bureau 2010 estimates. All descriptive and associative data analysis was completed using SPSS – Statistical Package for the Social Sciences.

CONVENIENCE SURVEY

SURVEY INSTRUMENT

The convenience surveys used the same instrument as the random mailed survey. Online surveys were also translated into Spanish and Somali.

SURVEY ADMINISTRATION

In early 2021, nineteen survey sites in Olmsted County administered convenience surveys. Many of these survey sites were service providers and developed their method for administering the survey at their site. In addition to the survey sites, a survey link was shared with community partners to include in their newsletters, Facebook, and websites.

DATA ENTRY AND ANALYSIS

The responses from the completed surveys were scanned into an electronic file by SSI.

All descriptive and associative data analysis was completed using SPSS – Statistical Package for the Social Sciences. For the overall summary, only Olmsted County residents were included. Each participating survey site also received a customized report with their results.

SURVEY INSTRUMENT

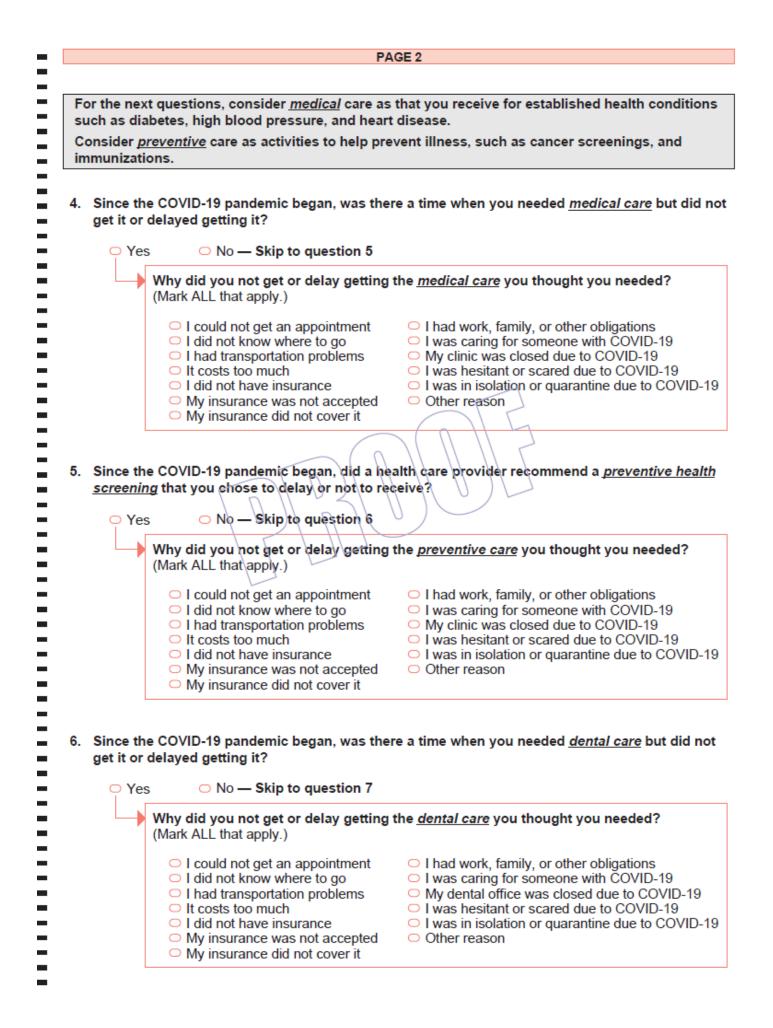






Olmsted County Community Health Assessment and Planning COVID-19 Impact Survey

MARKING INSTRUCTIONS			
Use a No. 2 pencil or a blue or black ink pen only. • Make solid	marks that fill th ay marks on thi		e completely.
CORRECT: INCORRECT:			
Please give this survey to the adult (age 18 or o who has most recently had a bir		ouseho	ld
For this survey, the definition of the COVID-19 pande	mic is since	March	1, 2020.
	_		
HEALTH STATUS AND HEALTH C	ARE		
 In general, would you say that your overall health is: Excellent Very good Good Fair 	Poor		
Have you ever been told by a doctor or other health			Yes, but
professional that you had any of the following health conditions? (Mark one response per line.)	Yes	No	only during pregnancy
	\sim	\sim	\sim
Diabetes Prediabetes		0	0
High blood pressure/hypertension	0	0	0
Overweight	0	0	U
Obesity	0	0	
Heart problems (angina)	0	0	
Stroke or stroke-related health issues	0	0	
High cholesterol or triglycerides	0	0	
Cancer	\bigcirc	0	
Asthma	0	0	
Respiratory allergies	0	\circ	
Chronic lung disease (including COPD, chronic bronchitis,			
or emphysema)	0	0	
Depression	0	0	
Anxiety or panic attacks	0	0	
Any other mental health issues	0	0	
 Since the COVID-19 pandemic began, has your physical health Gotten better Remained the same Gotten 	: en worse		
PLEASE DO NOT WRITE IN THIS AREA			
	0	SERI/	



7. For each of the following statements, please mark which is the closest to how you have been feeling over the last 2 weeks.

(Mark one response per line.)	All of the time	Most of the time	More than half of the time	Less than half of the time	Some of the time	At no time
I have felt cheerful and in good spirits	0	0	0	0	0	0
I have felt calm and relaxed	0	0	0	0	0	0
I have felt active and vigorous	0	0	0	0	0	0
I woke up feeling fresh and rested	0	0	0	0	0	0
My daily life has been filled with things that interest me	0	0	0	0	0	0

- Since the COVID-19 pandemic began, has your mental health:
 - Gotten better

Remained the same

Gotten worse

9. Since the COVID-19 pandemic began, was there a time when you needed mental health care but did not get it or delayed getting it?

O No - Skip to question 10 O Yes Why did you not get or delay getting the mental health care you thought you needed? (Mark ALL that apply.) I could not get an appointment I had work, family, or other obligations I did not know where to go I was caring for someone with COVID-19 I had transportation problems My clinic was closed due to COVID-19 It costs too much

- I did not have insurance
- My insurance was not accepted
- My insurance did not cover it
- I was hesitant or scared due to COVID-19
- I was in isolation or guarantine due to COVID-19
- Other reason

PAGE 4

HEALTH BEHAVIORS

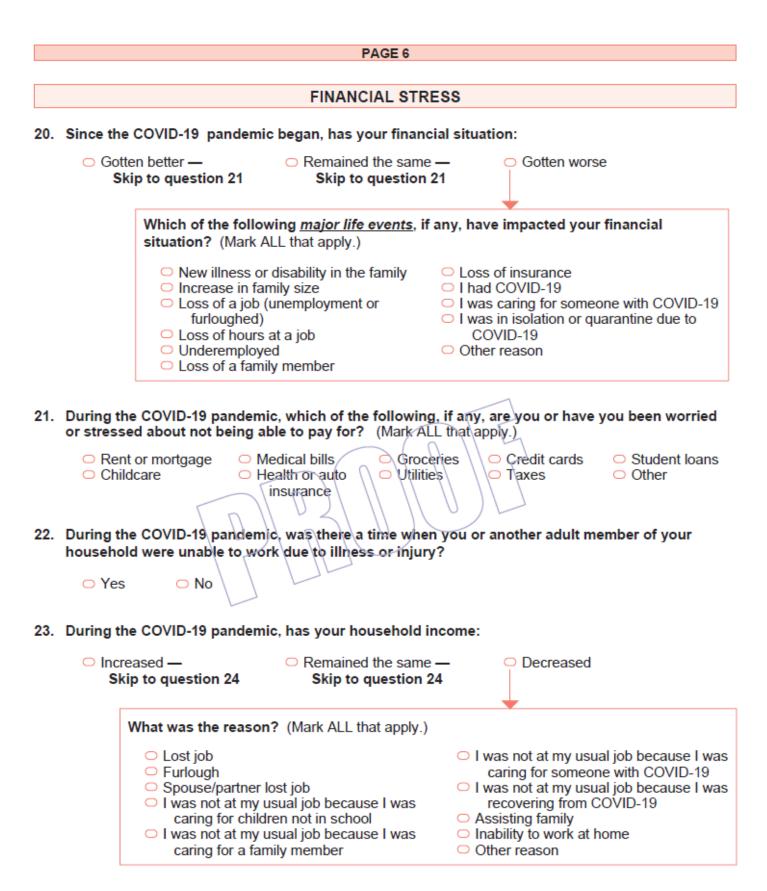
For the next few questions, please think about your substance use before the COVID-19 pandemic began and identify whether or not your use of that substance has changed during the COVID-19 pandemic. If you didn't use a substance before the COVID-19 pandemic began, and you don't use that substance now, please choose "No, remained the same."

10.	Has your (Mark one response per line.)	Yes, increased	No, remained the same	Yes, decreased
	alcohol use changed since the COVID-19 pandemic began?	0	0	0
	marijuana use changed since the COVID-19 pandemic began?	0	0	0
	tobacco use (cigarettes, e-cigarettes, pipes, snus, chewing tobacco, or others) changed since the COVID-19 pandemic began?	0	0	0
	other drug use (opioids, stimulants, hallucinogens, inhalants, or any other substance for non-medical purposes) changed since the COVID-19 pandemic began?] 0	0	0
11.	IF USE <u>INCREASED</u> FOR ANY SUBSTANCE: Which of the follow concern about your increase in substance use since the COVID-			lof
	Not at all concerned Somewhat concerned Very concerned	oncerned	 Extremely 	concerned
12.	IF USE <u>INCREASED</u> FOR ANY SUBSTANCE: Which of the follow increase in substance use since the COVID-19 pandemic began?			to your
	 Boredom Poor mental health Other, specify: Loneliness 			
	SOCIAL			
13.	Since the COVID-19 pandemic began, has your communication w	vith neight	oors:	
	 Increased Remained the same Decreased 			
14.	Since the COVID-19 pandemic began, has your communication w	vith family	and friends:	
	 Increased Remained the same Decreased 			
15.	During the COVID-19 pandemic, I felt (Mark one response per line.)	Strongly agree	Agree Disagr	Strongly disagree
	I had access to resources that I could use to help my family	0	0 0	0
	I had skills that I could use to help others	0	0 0	0
	I could count on my community to respond	0	0 0	0
	I could count on my community to fully recover	0	0 0	0

6

PAGE 5 16. How often are you in situations where you feel unaccepted, unvalued, or unwelcomed? Why do you feel unaccepted, unvalued, or unwelcomed? O Daily At least once a week (Mark ALL that apply.) Once or twice a month A few times a year Discrimination Social-economic difference Racial difference Recent COVID-19 diagnosis Once a year or less often Not friendly Other, specify: O Never 17. During the COVID-19 pandemic, have you either personally experienced or witnessed an increase in discriminatory or hostile behavior due to your race/ethnicity? Yes O No 18. In the last 3 years, has someone you were dating, in a relationship with, or married to, physically hurt you (for example: being shoved, slapped, hit, kicked, punched, strangled, forced into sexual activity, or anything that could have caused injury)? Choose not to answer O Yes \odot No - Not applicable — Skip to question 19 Skip to question 19 Skip to question 19 Which of the following best describes when this behavior occurred in the last 3 years? Only before the bandemic began Only after the pandemic began Since the COVID-19 pandemic began, has Both before and after the pandemic began this behavior: Choose not to answer Gotten better Remained the same Gotten worse 19. In the last 3 years, has someone you were dating, in a relationship with, or married to, done any of the following: monitored your cell phone, called or texted you a lot to ask where you were, stopped you from doing things with friends, been angry if you were talking to someone else, or prevented you from going to school or work? Choose not to answer — Not applicable — O Yes ○ No — Skip to question 20 Skip to question 20 Skip to question 20 Which of the following best describes when this behavior occurred in the last 3 years? Only before the pandemic began Only after the pandemic began Since the COVID-19 pandemic began, has Both before and after the pandemic began this behavior: Choose not to answer н Gotten better Remained the same

- Remained the s
- Gotten worse



24. Since the COVID-19 pandemic began, has your confidence in being able to continue to live in your current home:

Increased

Remained the same

Decreased

25.	Since March 1	, 2020, have	you experie	nced any of the	following inside
		,,,			

your home? (Mark one response per line.)	Yes	No
Extremely or uncomfortably cold inside the home	0	0
Extremely hot inside the home	0	0
Water from the outside leaking in from the roof, windows, basement, etc.	0	0
Water leaking from plumbing inside the home	0	0
Mold that you can see	0	0
Rodents	0	0
Cockroaches	0	0

- ABOUT YOU
- 26. In the last 12 months, how many times have you been tested for COVID-19?
 - Zero (0) Skip to question 27
 - Once (1)

In the last 12 months, have you tested positive for COVID-19?

Twice (2)
 More than two times (3+)

⊂ Yes ONo

27. During the COVID-19 pandemic, were you at any point considered an essential worker?

Yes ONO

28. What is your age?



29. Are you of Hispanic or Latinx origin?

Yes ONO

- 30. Which of the following best describes you? (Mark ALL that apply.)
 - African
 - American Indian or Alaskan Native
 - Asian
 - Black or African American
 - Native Hawaiian or Other Pacific Islander
 - White
 - Other, specify:

31. What is your gender identity?

- Female
 Male
 Transgender
 Not sure
 Other, specify:
- 32. What is your sexual orientation?
 - Heterosexual or straight
 - Gay, lesbian, or homosexual
 - Bisexual
 Other, specify:
- 33. Were you born in the United States?

OYes -	— Skip to question 34
	How long have you lived in the United States (in years)?
	Years

	PAGE 8
34.	Are you currently O Married O Widowed O Never married O Never married O A member of an unmarried couple
35.	What is your highest level of education you have completed? (Mark only ONE.)
	 Did not complete 8th grade Did not complete high school High school diploma/GED Trade/vocational school Some college Associate degree Graduate or professional degree
36.	Do you own or rent your home?
	○ Own ○ Rent ○ Other arrangement
37.	Are you currently (Mark ALL that apply.)
	 Employed full-time Employed part-time, including seasonal work Self-employed Out of work for less than 1 year A homemaker A student Retired Unable to work due to disability
38.	What was your annual household income from all sources in 2019?
	 Less than \$15,000 \$15,000 - \$24,999 \$50,000 - \$74,999 \$100,000 - \$149,999 \$150,000 - \$199,999 \$25,000 - \$34,999 \$75,000 - \$99,999 \$200,000 or more
39.	Including yourself, how many adults live in your household?
	Number of adults age 18 and over: ① ② ④ ⑤ ⑦ 10 10 12+
40.	How many children (under age 18) live in your household?
	<u>Number of children under age 18</u> : ①
	What are the age ranges for those children? (Mark ALL that apply.)
	 Under five years old Five to 10 years old 11 to 14 years old 15 to 17 years old
	Thank you for completing this survey!
	©2020, Mayo Foundation for Medical Education and Research (MFMER). All rights reserved.

		Survey Demographics				
	Unweight	ted Mailed	Weighte	d Mailed	Convenience	
	Count	Percent	Count	Percent	Count	Percent
Gender						
Male	258	36%	344	48%	150	24%
Female	462	64%	372	52%	464	75%
Transgender or Other	5	1%	0	0%	9	1%
Sexual Orientation						
Heterosexual/straight	687	96%	684	96%	571	92%
Gay, Lesbian, or Homosexual	7	1%	9	1%	14	2%
Bisexual	12	1.7%	13	2%	17	3%
Other	9	1.3%	3	1%	21	3%
Age Group						
18-34	101	14%	212	30%	159	25%
35-49	129	18%	158	22%	160	26%
50-64	211	29%	193	27%	153	25%
65+	282	39%	153	21%	151	24%
Race/Ethnicity						
White	681	92%	659	92%	518	83%
Not White	56	8%	57	8%	105	17%
Hispanic	6	1%	4	1%	35	6%
American Indian	2	0%	1	0%	6	1%
Asian	28	4%	33	5%	28	5%
Black, African American	7	1%	8	0%	27	4%
African	9	1%	11	2%	45	7%
Native Hawaiian or Other Pacific Islander	4	1%	3	0%	4	1%
Other	8	1%	10	1%	25	4%
Birthplace						
Born in the United States	681	94%	660	92%	515	92%
Born outside the United States	47	7%	56	8%	108	17%
Marital Status						
Married	432	59%	487	68%	377	61%
Divorced	83	11%	49	7%	61	10%
Widowed	86	12%	31	4%	25	4%
Separated	7	1%	6	1%	7	1%
Never Married	82	11%	82	12%	0	0%
A member of an unmarried couple	43	6%	61	9%	152	24%

	Survey Demographics						
	Unweight	Unweighted Mailed Weighted Mailed			Convenience		
	Count	Percent	Count	Percent	Count	Percent	
Education							
Less than High School	9	1%	6	1%	28	5%	
High school/GED	86	12%	60	8%	88	14%	
Trade/vocational school, some college, Associate degree	227	31%	189	26%	164	26%	
Bachelor's degree	215	29%	252	35%	185	30%	
Graduate/professional degree	196	27%	209	29%	158	25%	
Income							
<\$15,000	33	5%	24	4%	66	11%	
\$15,000-\$24,999	32	5%	26	4%	71	11%	
\$25,000-\$34,999	62	9%	42	6%	58	9%	
\$35,000-\$49,999	95	14%	78	11%	63	10%	
\$50,000-\$74,999	116	17%	108	16%	120	19%	
\$75,000-\$99,999	101	15%	105	15%	71	11%	
\$100,000-\$149,999	131	19%	173	25%	105	17%	
\$150,000-\$199,999	52	8%	51	7%	41	7%	
\$200,000 or more	69	10%	81	12%	28	5%	
Residence							
Rochester	607	83%	589	84%	555	89%	
Not Rochester	128	17%	118	16%	68	11%	

SURVEY FREQUENCIES

	% Random Mailed	% Convenience Survey
Health Status and Healthcare		
Good to excellent health	95%	88.9%
Physical health got worse	14.8%	25%
Mental health got worse	27.9%	36.3%
Have multiple chronic conditions	32%	42.7%
Any delay in healthcare	56%	42.9%
Any delay in mental healthcare	7.7%	13.3%
Mental Health		
Any mental health issues	29%	40%
Depression	20%	29.5%
Anxiety or panic attacks	19.8%	31.3%
Other mental health issues	8.2%	10.8%
l felt cheerful	60%	48.5%
I have felt calm and relaxed	56%	43.2%
I have felt active and vigorous	40%	31%
I woke-up feeling fresh and relaxed	39%	34
My daily life has been filled with things that interest me	47%	40.3%
Depression	8%	15.9%
Low-Mood	16%	19.3%
Above 50	76%	64.8%

	% Random Mailed	% Convenience Survey
Substance Use		
Any substance use increase	18.60%	17.8%
Alcohol increase	17%	15.8%
Tobacco increase	2%	0%
Marijuana increase	2%	2.5%
Other Drug increase	1%	1.2%
Any concern about increase	11%	8.8%
Financial Stress		
Financially stressed	34%	44%
Financial status worse	16.7%	23.4%
Household income decreased	21%	26.5%
Housing stability decreased	6%	11.6%
Social Factors		
Communication with neighbors decreased	51%	51.8%
Communication with friends and family decreased	47.3%	48.5%
Individual resiliency	76%	72%
Community resiliency	68%	65.2%
Feeling unaccepted or not welcomed	47%	40.3%

CHIP PRIORITY CROSS TABS (MAILED SURVEY ONLY)

MENTAL HEALTH

DEMOGRAPHICS

	% Any Mental Health Issues	% 50 or Below
Age Group		
18-34	34.85%	25.25%
35-49	28.57%	27.89%
50-64	30.65%	23.33%
65+	21.99%	17.93%
Race		
White, Non-Hispanic	30.72%	24.63%
Not White	20.31%	14.29%
Gender		
Female	37.53%	29.69%
Male	21.05%	18.44%
Children in the Household		
Yes	31.67%	26.85%
No	29.07%	22.39%
Birthplace		
Born in the United States	31.15%	25.12%
Foreign Born	12.96%	7.41%
Marital Status		
Married	26.78%	19.83%

	% Any Mental Health Issues	% 50 or Below
Not Married	35.81%	32.23%
Education		
No College	37.5%	28.13%
Some College	28.94%	23.39%
Residence		
Rochester	30.86%	24.20%
Not Rochester	24.11%	21.82%
Household Income		
<\$35,000	38.20%	33.71%
>\$35,000	28.67%	22.26%
Homeownership		
Rent	36.27%	33.03%
Own	28.41%	22.16%
Retired		
Yes	21.62%	16.56%
No	31.95%	25.91%

CONNECTIONS TO OTHER INDICATORS

	% Any Mental Health	% 50 or Below
	Issues	
Have Multiple Chronic Conditions		
Yes	49.02%	29.26%
No	17.44%	21.73%
Physical Health Gotten Worse		
Yes	48%	58.16%
No	26.64%	18.10%
Any Health Care Delay		
Yes	37.85%	30.46%
No	20.49%	15.25%
Mental Health Care Delay		
Yes	73.58%	69.81%
No	26.09%	19.77%
Mental Health Got Worse During the Pandemic		
Yes	48.86%	57.78%
No	22.72%	11.4%
Substance Use Increase During the Pandemic		
Yes	44.09%	34.15%
No	26.18%	21.40%
Concerned About Substance Use Increase		
Yes	50%	44.07%
No	30.67%	23.26%
Experienced Discrimination		
Yes	42.95%	31.61%

	% Any Mental Health Issues	% 50 or Below
No	30.67%	17%
Financial Stress		
Financially Stressed	41.35%	35.53%
Not Financially Stressed	23.53%	17.65%
Household Income Decreased During the Pandemic		
Yes	45.52%	34.72%
No	25.61%	20.46%
Housing Stability Decreased During the Pandemic		
Yes	36.84%	56.25%
No	29.23%	22.17%
Was an Essential Worker During the Pandemic		
Yes	32.28%	26.06%
No	72.35%	21.76%

SUBSTANCE USE

DEMOGRAPHICS

	% Any Substance Use Increase
Age Group	
18-34	26.67%
35-49	19.23%
50-64	16.84%
65+	9.22%
Race	
White, Non-Hispanic	19.30%
Not White	12.50%
Gender	
Female	19.50%
Male	17.72%
Children in the Household	
Yes	19.56%
No	18.18%
Birthplace	
Born in the United States	19.03%
Foreign Born	14.29%
Marital Status	
Married	18.22%
Not Married	19.45%
Education	
No College	18.75%
Some College	18.63%
Residence	
Rochester	18.19%
Not Rochester	20.87%
Household Income	

	% Any Substance Use Increase
<\$35,000	12.50%
>\$35,000	20.31%
Homeownership	
Rent	15.93%
Own	19.52%
Retired	
Yes	6.71%
No	21.92%

CONNECTIONS TO OTHER INDICATORS

	% Any Substance Use Increase
Have Multiple Chronic Conditions	
Yes	19.90%
No	19.76%
Physical Health Gotten Worse	
Yes	58.16%
No	18.10%
Any Health Care Delay	
Yes	21.51%
No	15.57%
Mental Health Care Delay	
Yes	57.78%
No	11.41%
Mental Health Got Worse During the Pandemic	
Yes	30%
No	14.73%
Any Mental Health Issues	
Yes	28.72%
No	15.33%
WHO Wellbeing	
50 or Below	27.10%
51 or Above	16.33%
Experienced Discrimination	
Yes	31.61%
No	16.99%
Financial Stress	
Financially Stressed	22.50%
Not Financially Stressed	16.56%
Household Income Decreased During the Pandemic	
Yes	17.43%
No	23.61%
Housing Stability Decreased During the Pandemic	
Yes	25%
No	18.42%
Was an Essential Worker During the Pandemic	
Yes	22.87%
No	14.72%

FINANCIAL STRESS

DEMOGRAPHICS

	% Financially Stressed
Age Group	
18-34	35.68%
35-49	41.77%
50-64	37.50%
65+	19.48%
Race	
White, Non-Hispanic	32.41%
Not White	48.48%
Gender	
Female	36.56%
Male	31.40%
Children in the Household	
Yes	45.41%
No	29.10%
Birthplace	
Born in the United States	32.42%
Foreign Born	52.73%
Marital Status	
Married	26.91%
Not Married	39.57%
Education	
No College	53.03%
Some College	32.15%
Residence	
Rochester	33.44%
Not Rochester	36.97%
Household Income	
<\$35,000	57.61%
>\$35,000	31.16%
Homeownership	
Rent	53.51%
Own	28.52%
Retired	
Yes	21.74%
No	37.59%

CONNECTIONS TO OTHER INDICATORS

	% Financially Stressed
Have Multiple Chronic Conditions	
Yes	36.76%
No	33.49%
Physical Health Gotten Worse	
Yes	44.23%
No	31.88%
Any Health Care Delay	
Yes	40.11%
No	27.67%
Mental Health Got Worse During the Pandemic	
Yes	47.57%
No	29.80%
Any Mental Health Issues	
Yes	48.51%
No	29.14%
WHO Wellbeing	
50 or Below	50.94%
51 or Above	28.77%
Any Substance Use Increase During the Pandemic	
Yes	41.86%
No	32.98%
Concerned About Increase	
Yes	50%
No	37%
Experienced Discrimination	
Yes	45.78%
No	23.95%
Household Income Decreased During the Pandemic	
Yes	72.79%
No	23.89%
Housing Stability Decreased During the Pandemic	
Yes	75%
No	31.36%
Was an Essential Worker During the Pandemic	
Yes	35.16%
No	36.23%