

Lancaster County COVID-19 Survey: About Half of Residents Want Vaccination

LANCASTER, Pa. -- Less than half, 48 percent, of Lancaster County residents are willing to get vaccinated against COVID-19 while 28 percent cite a lack of information about testing locations as a barrier to getting tested for the virus, according to a newly released survey by the United Way of Lancaster County and Franklin & Marshall College's Center for Sustainable Engagement with Lancaster.

The survey, a sampling of Lancaster residents' general COVID-19 attitudes and behaviors, was conducted this fall, from September through November, via phone and internet interviews.

Other results showed that 94 percent of respondents say they wear a mask and 62 percent avoid public spaces, gatherings or crowds.

On the pandemic's economic effect, 39 percent of the respondents reported their household lost income because of COVID-19. Of those, 58 percent said they made up for lost income by using credit cards or financial loans, 28 percent by using personal savings, and 14 percent by borrowing money from family or friends.

To the question on whether anyone in the household lost work since March 2020, 38 percent of households reported some sort of job loss. The most common type of job loss was being laid off temporarily without pay or benefits (30 percent), followed by having hours reduced.

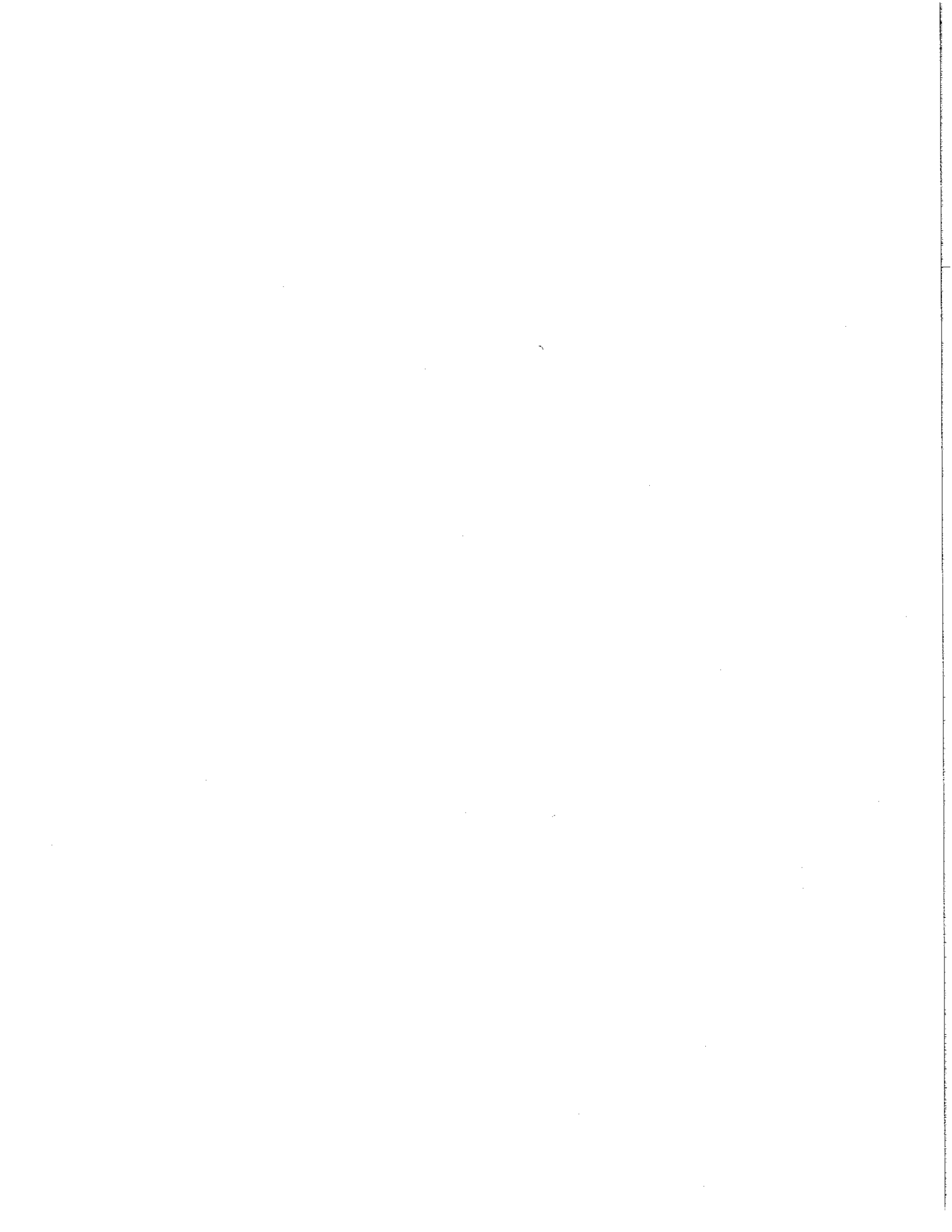
The majority of those surveyed did not think they would lose their job or business if public health officials ordered another shut down (60 percent reported very unlikely and 20 percent reported somewhat unlikely).

The survey was completed by 2,094 individuals: 648 residing in Lancaster City and 1,446 residing in Lancaster County. Twenty percent of the sample had completed some college, while 34 percent had a college degree or higher; the remainder of the sample (46 percent) had a high school degree or less.

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**Report for the Center for Sustained Engagement with Lancaster for the project
“Social and Economic Impacts of COVID-19 in Lancaster, PA”**

Prepared by Jessica Cox, Emily Marshall, Jennifer Meyer, Harriet Okatch and Wei-Ting Yen

The project “Collaborative Research on COVID-19 and its economic and social impact in Lancaster County” (Co-PIs Jessica Cox, Emily Marshall, Jennifer Meyer, Harriet Okatch, and Wei-Ting Yen) began with meeting with 12 local community organizations, including providers of healthcare, of economic, food, and housing assistance, and of adult English classes. Those meetings informed the development of our project proposal and survey, which were approved by our principal community partner, United Way of Lancaster, and F&M’s Internal Review Board for working with human subjects in July 2020. We then piloted the survey, refined survey questions based on pilot results, and coordinated with F&M’s Center for Opinion Research as they trained their phone interviewers on our survey. The Center for Opinion Research completed the first wave of data collection from a representative sample of Lancaster County residents (N=2,094 respondents: 648 respondents from the city of Lancaster and 1,446 from other municipalities in Lancaster County) from September 28 to November 8, 2020. We are currently processing that data; we report preliminary findings below and in the attached Appendix, which we also shared with United Way to distribute to their partner organizations (United Way directly funds approximately 75 organizations that in turn work with 200+ local businesses and organizations).

Additionally, we contracted with Church World Service for interpretation and translation services and they have translated the survey into Swahili, Arabic, Nepalese, Burmese, Kinyarwanda and Russian (the Center for Opinion Research prepared a Spanish translation). Translated paper surveys will be made available at key community organizations for respondents who prefer that format over a phone survey. We have hired two consultants to conduct phone surveys with our targeted sample of hard-to-reach populations (people with lower English proficiency and the homeless); we project that data collection from the targeted sample will be completed by February 28, 2021. Finally, we have scheduled the Center for Opinion Research to conduct the second wave of data collection from a subsample of 700 of the first wave of respondents in February 2021. After that data has been collected and processed, we will conduct longitudinal analyses and, in conjunction with United Way, host events to disseminate our results with the general public. As for scholarly production, Drs. Cox and Okatch will present on research methodologies of community-engaged research during COVID-19 at the American Association for Applied Linguistics (online) annual conference in March 2021 and Dr. Marshall has submitted two abstracts to the Population Association of America, to be held online in April 2021. We expect to produce additional conference presentations and publications once we have the complete dataset.

The COVID-19 pandemic has resulted in over 70 million cases and 1.5 million deaths globally. The impacts of COVID-19 are far reaching and hence we sought to identify the impact of COVID-19 in Lancaster County, Pennsylvania, USA. We surveyed 2,094 individuals to understand the social and economic impacts of COVID-19. Of our sample, 53% were female and 47% were male; 8% were of Hispanic/Latinx ethnicity; 90% were white, 4% were black/African American, 2% were Asian and 3% identified as other races.

Knowledge levels about COVID-19 were high; 76% correctly identified that there is no vaccine currently available;¹ 88% correctly identified people with asthma as being at higher risk; 83% identified that wearing a mask prevents the spread of COVID-19 and 80% identified this statement as false ‘Drinking water can

¹ Respondents answered this question before December 2020 when the first vaccine was made available in the U.S.

flush the coronavirus into your stomach, where acid kills it'. A majority of the sample reported adhering to public health preventive measures; 94% wore masks or a face covering at least some of the time; 70% avoided contact with people who could be high risk and 62% (71% in the City and 59% elsewhere in the county) avoided public spaces, gatherings and crowds.

Almost 2 of 3 respondents (65%) stated that they personally felt that COVID was a serious or somewhat serious problem. Additionally, health risk concerns were expressed by those who used public transport and those who had their children in childcare or in schools. 64% of those who used public transportation were 'very worried' or 'somewhat worried' about COVID-19 related health risks while taking public transportation, and 51% were 'very worried' or 'somewhat worried' about health risks with having their child or children in childcare or school. With regards to getting a COVID-19 test, only 16% of respondents cited cost as a barrier to testing (93% of the respondents reported having health insurance), however, more respondents (28%) cited being unsure of where to get tested as a barrier to testing.

COVID-19 has undoubtedly created difficulties for families; 8% of the non-City respondents and 20% of the City respondents reported being unable to purchase enough food. With regards to rent/mortgage payments, 7% of the respondents experienced a significant amount of strain paying their rent/mortgage in the past month compared to 3% of respondents who reported that paying their rent/mortgage was a strain prior to COVID-19. Accessing childcare during the pandemic presented additional challenges; 15% of the families reported significant financial strain due to school and childcare closures. In fact, 9% of the families reported that one member of the family had to give up their job to manage childcare responsibilities. Overall, 9% of the respondents reported experiencing significant financial strain.

Over one third (38%) of the respondents reported losing work during the pandemic; of these 16% were laid off permanently, 32% were laid off temporarily without pay or benefits, 21% were laid off temporarily with benefits but without pay; and 28% had their hours reduced. Almost two thirds (63%) of the respondents attempted to register for unemployment yet only 17% of the households had received unemployment benefits. 18% of the respondents thought it was likely or somewhat likely that they would lose their job if businesses were mandated to shut down again.

Perceptions of COVID-19 Risk and Behaviors

D12. Thinking about the COVID-19 pandemic right now, how serious a problem is it...

D12a. For you personally?

	City	County (non-city)	Total
Very serious	44%	30%	33%
Somewhat serious	34%	32%	32%
Not too serious	16%	23%	21%
Not serious at all	6%	16%	14%

D12b. For people in your community?

	City	County (non-city)	Total
Very serious	50%	27%	32%
Somewhat serious	32%	40%	38%
Not too serious	13%	22%	20%
Not serious at all	3%	8%	7%
Do not know	2%	3%	3%

D13. On a scale of one to seven, where one means “not important at all” and seven means “extremely important”, how important is it for you to do the following things to prevent the spread of COVID-19?

D13a. Wearing a face mask

	City	County (non-city)	Total
Mean (SD)	6.3 (1.5)	5.6 (2.1)	5.7 (2.1)
1=Not important at all	3%	11%	10%
2	3%	5%	5%
3	2%	4%	3%
4	2%	5%	4%
5	6%	8%	8%
6	7%	7%	7%
7=Extremely important	78%	61%	64%

D13b. Praying

	City	County (non-city)	Total
Mean (SD)	4.1 (2.7)	4.7 (2.5)	4.6 (2.5)
1=Not important at all	36%	22%	25%
2	6%	7%	7%
3	5%	4%	4%
4	2%	6%	5%
5	6%	10%	9%
6	5%	5%	5%
7=Extremely important	40%	45%	44%

D13c. Avoiding public spaces, gatherings, or crowds

	City	County (non-city)	Total
Mean (SD)	5.9 (1.6)	5.1 (2.0)	5.2 (2.0)
1=Not important at all	5%	9%	8%
2	1%	7%	6%
3	3%	8%	7%
4	6%	8%	8%
5	18%	16%	16%
6	16%	16%	16%
7=Extremely important	51%	36%	39%

D13d. Avoiding contact with people who could be high risk

	City	County (non-city)	Total
Mean (SD)	6.4 (1.2)	6.0 (1.5)	6.1 (1.5)
1=Not important at all	2%	3%	3%
2	1%	2%	2%
3	1%	4%	3%
4	3%	5%	5%
5	9%	12%	11%
6	10%	14%	14%
7=Extremely important	75%	59%	62%

COVID-19 Knowledge and Testing

A1. I will read a series of statements about COVID-19. For each statement, please tell me if you think the statement is true or false.

A1a. People with asthma are at higher risk for COVID-19

	City	County (non-city)	Total
True	88%	88%	88%
False	7%	5%	5%
Do not know	5%	7%	7%

A1b. Nothing we do will stop the spread of the virus; we are all going to get COVID-19 eventually

	City	County (non-city)	Total
True	13%	17%	17%
False	82%	74%	75%
Do not know	5%	9%	8%

A1c. Wearing a face covering when out in public can help prevent the virus from spreading

	City	County (non-city)	Total
True	92%	81%	83%
False	5%	14%	12%
Do not know	2%	5%	5%

A1d. There is currently no cure for COVID-19

	City	County (non-city)	Total
True	77%	76%	76%
False	15%	15%	15%
Do not know	8%	8%	8%

A1e. Drinking water can flush the coronavirus into your stomach, where acid kills it

	City	County (non-city)	Total
True	6%	4%	4%
False	82%	79%	80%
Do not know	12%	17%	16%

A2. Using a scale of one to seven where one means “very easy” and seven means “very difficult”, how easy or difficult do you think it would be for you personally to get tested for COVID-19 if you wanted to have a test?

	City	County (non-city)	Total
Mean (SD)	3.1 (1.9)	3.0 (1.9)	3.1 (1.9)
1=Very easy	32%	31%	32%
2	11%	11%	11%
3	15%	13%	13%
4	14%	13%	13%
5	13%	13%	13%
6	3%	4%	4%
7=Very difficult	8%	7%	7%
Do not know	4%	8%	7%

n=1,022

A3. Would any of the following barriers keep you from getting a COVID-19 test?

A3a. Transportation

	City	County (non-city)	Total
Yes	9%	6%	7%
No	91%	94%	93%
Do not know	9%	6%	7%

A3b. Cost

	City	County (non-city)	Total
Yes	22%	15%	16%
No	72%	78%	77%
Do not know	6%	7%	7%

A3c. Lack of primary care physician

	City	County (non-city)	Total
Yes	18%	8%	10%
No	82%	91%	89%
Do not know	0%	1%	1%

A3d. Unsure of where to get tested

	City	County (non-city)	Total
Yes	31%	28%	28%
No	68%	69%	69%
Do not know	1%	3%	3%

Beliefs/Knowledge about COVID-19 Risk

CV1. Have you been diagnosed with COVID-19, or not?

	City	County (non-city)	Total
Yes	4%	2%	2%
No	96%	98%	98%

n=2,048

CV2. How likely do you think you are to get COVID-19 in the next three months?

	City	County (non-city)	Total
Very likely	3%	3%	3%
Somewhat likely	37%	28%	29%
Not very likely	36%	47%	45%
Not likely at all	18%	13%	14%
Do not know	6%	10%	9%

CV3. Using a scale from one to seven where one means “it would be no worse than getting the cold or flu” and seven means “you could get very sick and possibly die from COVID-19”, how seriously would getting COVID-19 harm your own health?

	City	County (non-city)	Total
Mean (SD)	4.9 (2.0)	4.5 (2.2)	4.6 (2.2)
1=No worse than cold or flu	11%	15%	14%
2	5%	10%	9%
3	6%	7%	7%
4	13%	11%	11%
5	22%	13%	15%
6	7%	10%	9%
7=Very sick and possibly die	33%	30%	31%
Do not know	3%	3%	3%

CV4. Have any of your immediate family members or close friends contracted COVID-19?

	City	County (non-city)	Total
Yes	32%	32%	32%
No	66%	67%	67%
Do not know	1%	1%	1%

n=626

CV5. Have any of your immediate family members or close friends died from COVID-19?

	City	County (non-city)	Total
Yes	20%	13%	14%
No	80%	87%	86%

Behaviors

INTCV. The following is a list of activities you may have done.
 In the last seven days, have you:

CVa. Gone out to a restaurant, bar, club or other place where people gather?

	City	County (non-city)	Total
Yes	45%	47%	47%
No	55%	52%	53%

CVc. Gone to the grocery store or pharmacy?

	City	County (non-city)	Total
Yes	86%	86%	86%
No	14%	14%	14%

CVd. Gone to a friend, neighbor or relative's house?

	City	County (non-city)	Total
Yes	50%	61%	59%
No	50%	39%	41%

CVf. Gone to an in-person gathering with more than 10 people such as a reunion, wedding, funeral, party, concert, or religious service?

	City	County (non-city)	Total
Yes	25%	37%	35%
No	75%	63%	65%

C10. In the past 7 days, did you do any of the following to keep safe from COVID-19? Did you...

C10a. Wear a mask or other face covering

	City	County (non-city)	Total
Yes	99%	92%	94%
No	1%	8%	6%

C10b. Avoid contact with people who could be high risk

	City	County (non-city)	Total
Yes	78%	68%	70%
No	18%	26%	24%
Do not know	4%	6%	5%

C10c. Avoid public spaces, gatherings, or crowds

	City	County (non-city)	Total
Yes	71%	59%	62%
No	27%	40%	38%

C10d. Pray

	City	County (non-city)	Total
Yes	49%	58%	56%
No	50%	42%	43%
Do not know	1%	0%	1%

C11. If a COVID-19 vaccine was available, would you get it?

	City	County (non-city)	Total
Yes	52%	47%	48%
No	28%	34%	32%
Do not know	20%	20%	20%

Childcare

NumC. How many children under 18 years of age currently live in this household?

	City	County (non-city)	Total
0 children	71%	69%	70%
1-2 children	22%	22%	22%
3-4 children	7%	7%	7%
5 or more children	1%	1%	1%

Num12. How many of these children are under 13 years of age?

	City	County (non-city)	Total
0 children	8%	23%	20%
1-2 children	74%	61%	64%
3-4 children	18%	12%	13%
5 or more children	0%	4%	3%

L series: n=333

L2. Which BEST describes your situation? Disruptions to childcare or school from COVID-19...

	City	County (non-city)	Total
Made it impossible for me or a member of my household to keep our jobs,	17%	7%	9%
Made it difficult for me or a member of my household to do our jobs,	17%	11%	12%
Were a challenge, although members of my household were able to do our jobs	37%	34%	34%
Were not difficult for my household	19%	48%	42%
Do not know	10%	0%	2%

L4. Using a scale of 1 to 7 where 1 means “no strain at all” and 7 means “a great strain”, to what extent have school and childcare closures created a financial strain for your family?

	City	County (non-city)	Total
Mean (SD)	3.8 (2.5)	2.3 (2.0)	2.6 (2.2)
1=No strain at all	36%	57%	53%
2	3%	15%	12%
3	7%	5%	5%
4	6%	6%	6%
5	15%	5%	7%
6	8%	3%	4%
7=A great strain	25%	8%	11%
Do not know	0%	1%	1%

L5. Before COVID-19, did your household get any childcare subsidies (such as from the ELRC?)

	City	County (non-city)	Total
Yes	10%	2%	4%
No	85%	96%	94%
Do not know	6%	2%	3%

L6. One a scale of 1 to 7 where 1 means “very easy” and 7 means “very difficult”, how easy or hard has it been for you to find as much affordable child care as you needed in the last month?

	City	County (non-city)	Total
Mean (SD)	3.3 (2.5)	2.0 (2.0)	2.3 (2.2)
1=Very easy	40%	57%	54%
2	5%	5%	5%
3	9%	2%	3%
4	4%	3%	3%
5	3%	2%	2%
6	9%	1%	3%
7=Very difficult	19%	8%	10%
Do not know	10%	23%	21%

L10. How worried are you about health risks from having your child or children in childcare or school?

	City	County (non-city)	Total
Very worried	44%	19%	24%
Somewhat worried	31%	26%	27%
Not very worried	15%	14%	14%
Not worried at all	11%	38%	33%
Do not know	0%	3%	2%

Food security
 n=677

K4. Have you skipped or reduced your meals because of COVID-19?

	City	County (non-city)	Total
Yes	15%	7%	9%
No	85%	93%	91%

K3. Have any of the following made it harder to get enough food since the COVID-19 outbreak began?

K3a. I can't afford all the food I need

	City	County (non-city)	Total
Yes	20%	8%	11%
No	80%	91%	89%

K3b. I'm fearful of going to the store

	City	County (non-city)	Total
Yes	36%	11%	16%
No	63%	88%	83%
Do not know	1%	1%	1%

K3c. I have no way of getting to the store

	City	County (non-city)	Total
Yes	8%	5%	6%
No	92%	95%	94%

K5. Before COVID-19, did your household ever use a food bank?

	City	County (non-city)	Total
Yes	19%	4%	7%
No	81%	96%	93%

K6. Has your household used a food bank since the COVID-19 pandemic started in March?

	City	County (non-city)	Total
Yes	13%	4%	6%
No	87%	96%	94%

Housing Stability

n=738

M4. Do you currently rent your home, own your home, is it someone else's home, or is it some other type of place?

	City	County (non-city)	Total
Rent	45%	14%	20%
Own	49%	82%	76%
Someone else's home	6%	2%	3%
Other	0%	2%	1%

n=698

M3a. On a scale of 1 to 7 where 1 means "no strain at all" and 7 means "a lot of strain", how much of a strain did paying your [rent/mortgage] cause you prior to the COVID-19 pandemic?

	City	County (non-city)	Total
Mean (SD)	2.1 (1.7)	1.5 (1.2)	1.6 (1.3)
1=No strain at all	59%	78%	75%
2	14%	10%	11%
3	7%	3%	3%
4	6%	3%	4%
5	9%	3%	4%
6	2%	1%	1%
7=A lot of strain	3%	2%	2%
Do not know	0%	1%	0%

89%

11%

M3b. On a scale of 1 to 7 where 1 means "no strain at all" and 7 means "a lot of strain", how much strain did paying your [rent/mortgage] cause you last month?

	City	County (non-city)	Total
Mean (SD)	2.3 (2.0)	1.7 (1.5)	1.8 (1.6)
1=No strain at all	57%	75%	72%
2	12%	10%	10%
3	7%	4%	4%
4	3%	3%	3%
5	11%	2%	4%
6	4%	1%	2%
7=A lot of strain	6%	4%	5%
Do not know	0%	1%	1%

86%

14%

n=159

M2. Did you request a payment deferral from your landlord or financier?

	City	County (non-city)	Total
Yes, and it was granted	3%	11%	9%
Yes, but it was not granted	5%	4%	4%
No	89%	84%	86%
Do not know	3%	0%	1%

M3c. On a scale of 1 to 7 where 1 means “not at all worried” and 7 means “extremely worried”, how worried are you that you will not be able to pay your [rent/mortgage] next month?

	City	County (non-city)	Total
Mean (SD)	2.2 (1.7)	1.9 (1.8)	1.9 (1.7)
1=Not at all worried	58%	71%	68%
2	13%	12%	12%
3	7%	3%	4%
4	7%	3%	4%
5	10%	2%	4%
6	0%	3%	2%
7=Extremely worried	4%	6%	6%

16%

M5. Before March when the COVID-19 pandemic hit, were you considering buying a house within the next year? Would you say you were...

	City	County (non-city)	Total
Yes, strongly considering	15%	8%	9%
Yes, somewhat considering	8%	4%	5%
No, not considering buying a house within the next year	77%	88%	86%

n=84

M5y. Has COVID-19 caused you to put off buying a home?

	City	County (non-city)	Total
Yes	50%	40%	43%
No	50%	60%	57%

Transportation

n=673

N1a. Prior to the COVID-19 pandemic, did you use public transportation like buses and trains on a regular basis?

	City	County (non-city)	Total
Yes	14%	7%	8%
No	86%	93%	92%

n=61

N1b. On a scale of 1 to 7 where 1 means “never” and 7 means “always”, how often did limited service by buses and other public transportation during the COVID pandemic affect your ability to do things you needed to do, such as going to work or buying groceries?

	City	County (non-city)	Total
Mean (SD)	1.7 (1.8)	1.9 (1.8)	1.9 (1.8)
1=Never	81%	73%	76%
2	0%	5%	3%
3	10%	5%	7%
4	0%	1%	1%
5	0%	7%	5%
6	2%	5%	4%
7=Always	7%	4%	5%

N2a. Have you used public transportation like buses or trains since the COVID pandemic started?

	City	County (non-city)	Total
Yes, the same as before	0%	23%	16%
Yes, but less than usual	28%	26%	27%
No, not at all	72%	51%	57%

N2b. How worried are you about health risks from COVID-19 while taking public transportation?

	City	County (non-city)	Total
Very worried	24%	24%	24%
Somewhat worried	40%	40%	40%
Not very worried	16%	16%	16%
Not worried at all	20%	19%	19%
Do not know	0%	1%	1%

Employment & Economic Security

E1. At any point since March 2020, did anyone in your household lose work? This includes being laid off permanently or temporarily, being furloughed, having hours reduced, etc.

	City	County (non-city)	Total
Yes	47%	36%	38%
No	53%	64%	62%

n=687

E2. Did one person or more than one person lose work in your household?

	City	County (non-city)	Total
One person	80%	75%	76%
More than one person	20%	24%	23%

E3. [Was the person/Of those who lost work, was the person with the largest source of income]...

	City	County (non-city)	Total
Laid off permanently	27%	13%	16%
Laid off temporarily, without pay or benefits	31%	32%	32%
Laid off temporarily WITH benefits but without pay, or	14%	24%	21%
Did they have reduced hours	23%	29%	28%
Do not know	5%	2%	3%

E5. How long was this person's work affected?

	City	County (non-city)	Total
Less than 1 month	10%	21%	19%
1-3 months	33%	37%	36%
More than 3 months	55%	41%	45%
Do not know	1%	0%	1%

E6. Have you or anyone in your household attempted to register for unemployment since March 2020?

	City	County (non-city)	Total
Yes	74%	59%	63%
No	26%	41%	37%

n=415

E8. Using a scale of 1 to 7 where 1 means "very easy" and 7 means "very difficult", how easy or difficult was the unemployment registration process?

	City	County (non-city)	Total
Mean (SD)	4.2 (2.2)	3.5 (2.3)	3.7 (2.3)
1= Very easy	17%	27%	25%
2	11%	15%	14%
3	11%	12%	12%
4	7%	10%	9%
5	21%	10%	13%
6	11%	5%	7%
7= Very difficult	20%	20%	20%
Do not know	2%	1%	2%

n=246

E7. Why not?

	City	County (non-city)	Total
Ineligible	36%	35%	35%
Too complicated	7%	4%	5%
Don't need it	44%	42%	42%
Other	11%	16%	15%
Do not know	3%	3%	3%

E9. Are you or is anyone in your household receiving unemployment benefits from the government right now?

	City	County (non-city)	Total
Yes	11%	6%	7%
No	88%	94%	93%
Do not know	1%	0%	0%

n=1,943

E10. Have you or has anyone in your household received unemployment benefits from the government at any point since the COVID-19 pandemic reached Lancaster in mid-March?

	City	County (non-city)	Total
Yes	26%	15%	17%
No	74%	85%	83%
Do not know	0%	1%	1%

E11. Did you receive a COVID-19 stimulus check from the government?

	City	County (non-city)	Total
Yes	88%	86%	86%
No	12%	14%	14%

E12. Do you agree or disagree with the following statement?
 Considering high unemployment rates and the economic downturn, the government should provide...
 (Randomly assigned treatment 1 or 2)

n=1,016

E12T1. Multiple rounds of stimulus checks for taxpayers

	City	County (non-city)	Total
Strongly agree	47%	26%	30%
Somewhat agree	30%	32%	32%
Somewhat disagree	16%	17%	17%
Strongly disagree	6%	18%	16%
Do not know	1%	6%	5%

n=1,072

E12T2. Guaranteed minimum income for taxpayers

	City	County (non-city)	Total
Strongly agree	44%	21%	25%
Somewhat agree	40%	33%	34%
Somewhat disagree	5%	14%	12%
Strongly disagree	6%	26%	22%
Do not know	4%	6%	6%

E17. On a scale of 1 to 7, how well did your household income cover your household needs before COVID-19? 1 means “household income did not cover household needs, and there were great difficulties” and 7 means “household income covered household needs, and I can save a lot.”

	City	County (non-city)	Total
Mean (SD)	5.4 (1.7)	5.9 (1.4)	5.8 (1.4)
1= Income did not cover household needs, great difficulties	5%	2%	3%
2	1%	1%	1%
3	5%	3%	4%
4	13%	8%	9%
5	20%	16%	16%
6	21%	23%	23%
7= Income covered needs, can save a lot	34%	45%	43%
Do not know	1%	1%	1%

E17B. On a scale of 1 to 7, how well did your household income cover your household needs THIS PAST MONTH? 1 means “household income did not cover household needs, and there were great difficulties” and 7 means “household income covered household needs, and I can save a lot.”

	City	County (non-city)	Total
Mean (SD)	4.9 (1.9)	5.7 (1.6)	5.5 (1.7)
1= Income did not cover household needs, great difficulties	7%	3%	4%
2	7%	3%	4%
3	6%	6%	6%
4	15%	9%	10%
5	21%	17%	17%
6	14%	20%	19%
7= Income covered needs, can save a lot	29%	42%	40%

E14. On a scale of 1 to 7 where 1 means “not severe at all” and 7 means “very severe”, how severe are the financial challenges that you have experienced as a result of COVID-19?

	City	County (non-city)	Total
Mean (SD)	3.0 (2.0)	2.3 (1.8)	2.4 (1.8)
1= Not severe at all	39%	54%	51%
2	11%	13%	13%
3	10%	9%	9%
4	13%	8%	9%
5	14%	8%	9%
6	6%	3%	4%
7= Very severe	7%	4%	5%
Do not know	0%	1%	0%

n=1,069

E16. Did your household lose income as a result of the COVID-19 pandemic?

	City	County (non-city)	Total
Yes	46%	37%	39%
No	54%	62%	60%
Do not know	0%	1%	1%

n=370

E18. Which of the following, if any, have you done to make up loss of income during the COVID pandemic? Have you...

E18a. Used credit cards more than before or borrowed money from financial institutions like banks or payday lenders

	City	County (non-city)	Total
Yes	33%	27%	28%
No	67%	72%	71%
Do not know	0%	1%	1%

E18b. Used personal savings more than before

	City	County (non-city)	Total
Yes	63%	57%	58%
No	37%	42%	41%
Do not know	0%	1%	1%

E18c. Borrowed money from family or friends

	City	County (non-city)	Total
Yes	26%	10%	14%
No	74%	90%	86%

WORK. Work status

	City	County (non-city)	Total
Full-time	55%	42%	45%
Part-time	12%	13%	13%
Going to school	2%	1%	1%
Something else	7%	7%	7%
Unemployed and looking for work	5%	3%	3%
Disabled	4%	3%	3%
Retired	15%	31%	28%

Worker Safety

n=943

IndOcc. What is the primary industry or sector of your CURRENT employer?

	City	County (non-city)	Total
Accommodation and Food Services	10%	4%	5%
Administrative and Support and Waste Management and Remediation Services e.g. employment services, telephone call center	3%	2%	2%
Agriculture, Forestry, and Fishing	0%	7%	6%
Arts, Entertainment, and Recreation e.g. museums, promotions, performing arts companies, amusement and gambling industry	1%	3%	2%
Construction	3%	8%	7%
Educational Services	5%	4%	4%
Finance and Insurance	24%	20%	21%
Healthcare and Social Assistance	2%	2%	2%
Information e.g. media companies, telecommunications, and libraries)	0%	1%	1%
Management of Companies and Enterprises	10%	9%	9%
Manufacturing	0%	0%	0%
Mining	9%	7%	8%
Professional, Scientific, and Technical Services e.g. legal services, accounting, architecture, engineering, designer	1%	1%	1%
Public Administration	3%	2%	2%
Real Estate and Rental and Leasing	3%	6%	5%
Retail Trade	12%	6%	8%
Transportation and Warehousing	0%	2%	1%
Utilities	0%	1%	1%
Wholesale Trade	9%	8%	8%
Other Services e.g. repair and maintenance services, personal care services, civic organizations)	3%	6%	6%
Other	1%	1%	1%
Do not know	10%	4%	5%

E13. How worried are you about losing your job in the next three months?

	City	County (non-city)	Total
Extremely worried	8%	3%	4%
Somewhat worried	16%	14%	14%
Not very worried	25%	21%	22%
Not worried at all	50%	62%	59%
Do not know	2%	1%	1%

G2. Do you have paid sick leave at your job?

	City	County (non-city)	Total
Yes	61%	53%	55%
No	34%	45%	42%
Do not know	5%	2%	3%

G4. According to the PA state guidelines, are you an essential worker?

	City	County (non-city)	Total
Yes	59%	64%	63%
No	34%	29%	30%
Do not know	7%	7%	7%

G5. If you get sick with COVID-19 and have to stay home and can't work for 14 days, how likely or unlikely would you be to lose your job or business?

	City	County (non-city)	Total
Very likely	3%	3%	3%
Somewhat likely	9%	3%	4%
Somewhat unlikely	16%	12%	13%
Very unlikely	70%	81%	79%
Do not know	2%	1%	2%

G7a. In early March, before the COVID-19 pandemic, did you work from home...

	City	County (non-city)	Total
All the time	6%	7%	7%
Some of the time	14%	20%	19%
Never	80%	73%	74%

G7b. After March when the COVID-19 pandemic hit, did you work from home...

	City	County (non-city)	Total
All the time	26%	31%	30%
Some of the time	20%	23%	22%
Never	54%	46%	48%

n=625

G7c. Are you currently working from home...

	City	County (non-city)	Total
All the time	34%	40%	39%
Some of the time	37%	36%	37%
Never	29%	23%	24%

n=770

G8. When you think about working at your workplace (not working from home), how worried are you about getting sick with COVID-19 from being at work?

	City	County (non-city)	Total
Very worried	21%	9%	12%
Somewhat worried	42%	30%	33%
Not very worried	22%	25%	25%
Not worried at all	15%	35%	30%

CV4b. Have any of your coworkers contracted COVID-19?

	City	County (non-city)	Total
Yes	41%	29%	32%
No	52%	62%	60%
Do not know	7%	9%	8%

G10. If public health officials order businesses to shut down again because of COVID-19, how likely or unlikely is it that you would lose your job or business?

	City	County (non-city)	Total
Very likely	8%	6%	7%
Somewhat likely	14%	10%	11%
Somewhat unlikely	19%	20%	20%
Very unlikely	58%	60%	60%
Do not know	2%	3%	3%

Valuation/Experiment

(Randomly assigned treatment 1 or 2)

n=1,039

PT1. Lancaster ranks second highest in Pennsylvania for children with high levels of lead in their blood. High lead levels can cause physical and mental health problems, including lower IQs. Imagine there was a new voter referendum in Lancaster County which proposed to create a Public Health Department to improve community health. For example, the Health Department could give more lead testing and better education about lead. Imagine that having the Health Department would lower the number of children with high lead levels by 25% and promote better public health.

n=1,057

PT2. In August 2020, Lancaster County had over 6,500 confirmed cases of COVID-19. Over 400 people have died due to COVID-19 in Lancaster County. Imagine there was a new voter referendum in Lancaster County which proposed to create a Public Health Department to improve community health. For example, the Health Department could provide better contact tracing, testing and education about preventing COVID-19. Imagine that having the Health Department would lower the cases of COVID-19 by 25% and promote better public health.

P1. Imagine that if the referendum to create a Public Health Department passes, you and everyone else in Lancaster County will have to pay [fill \$] more in taxes every year. Given your current budget, would you vote for or against creating a Public Health Department?

% who would vote “For”

PT1 Group	City	County (non-city)	Total
\$50 (n=1,033)	72%	56%	60%
\$100 (n=661)	77%	74%	75%
\$250 (n=502)	65%	58%	60%
\$25 (n=347)	20%	20%	20%
\$5 (n=279)	35%	21%	23%

% who would vote “For”

PT2 Group	City	County (non-city)	Total
\$50 (n=1,054)	67%	53%	56%
\$100 (n=665)	78%	70%	71%
\$250 (n=502)	68%	54%	57%
\$25 (n=360)	33%	12%	15%
\$5 (n=303)	22%	16%	17%

Note. We would like to remind you that this proposed level of tax increase is purely hypothetical. Many counties create public health departments without significant tax increases. Your responses will allow us to assess the demand for these services in Lancaster.

Health, Stress & Social Support

H1. Would you say that in general your health is:

	City	County (non-city)	Total
Excellent	16%	16%	16%
Very good	35%	41%	40%
Good	24%	28%	27%
Fair	18%	12%	13%
Poor	7%	2%	3%

HINT. In the last month, how often have you felt...

H4. You were unable to control the important things in your life

	City	County (non-city)	Total
Always	9%	6%	6%
Often	17%	11%	12%
Sometimes	37%	29%	30%
Rarely	19%	25%	24%
Never	17%	28%	26%
Do not know	0%	1%	1%

H5. Confident in your ability to handle your personal problems

	City	County (non-city)	Total
Always	34%	44%	42%
Often	37%	34%	35%
Sometimes	23%	16%	17%
Rarely	4%	4%	4%
Never	1%	2%	2%

H6. Things were going your way

	City	County (non-city)	Total
Always	12%	11%	11%
Often	31%	38%	37%
Sometimes	37%	39%	39%
Rarely	13%	8%	9%
Never	5%	3%	3%
Do not know	1%	1%	1%

H7. Difficulties were piling up so high you could not overcome them

	City	County (non-city)	Total
Always	4%	1%	1%
Often	11%	7%	7%
Sometimes	25%	18%	19%
Rarely	32%	34%	34%
Never	26%	41%	38%

HINT2. When there is a lot of stress in my life...

H8. I tend to count to ten, take deep breaths, or practice other relaxation techniques.

	City	County (non-city)	Total
Always	18%	9%	11%
Often	21%	19%	19%
Sometimes	30%	33%	33%
Rarely	18%	19%	19%
Never	12%	19%	18%
Do not know	0%	1%	1%

H10. I turn to prayer or attending spiritual services of some kind.

	City	County (non-city)	Total
Always	24%	24%	24%
Often	15%	24%	22%
Sometimes	9%	18%	16%
Rarely	14%	11%	12%
Never	38%	23%	26%

H11. I tend to just stay in bed because I can't deal with my problems.

	City	County (non-city)	Total
Always	1%	0%	0%
Often	3%	2%	2%
Sometimes	16%	8%	9%
Rarely	25%	14%	16%
Never	55%	75%	72%

H12. I tend to throw myself into reckless behavior to get my mind off my problems.

	City	County (non-city)	Total
Always	1%	0%	0%
Often	3%	1%	1%
Sometimes	10%	6%	7%
Rarely	20%	14%	15%
Never	67%	79%	76%

H14. About how many close friends and relatives do you have whom you feel at ease with and can talk to about what is on your mind?

	City	County (non-city)	Total
0	2%	2%	2%
1-2	15%	11%	11%
3-4	21%	18%	19%
5-7	24%	23%	23%
8-10	7%	6%	6%
More than 10	15%	15%	15%

H15. If you have a financial problem, how many people outside your household can you ask for help if you need to borrow money?

	City	County (non-city)	Total
0	17%	20%	20%
1-2	34%	29%	30%
3-4	21%	17%	18%
5-7	11%	11%	11%
8-10	2%	1%	1%
More than 10	6%	4%	4%

Demographics

12. How many bedrooms are there in the place where you are living now?

	City	County (non-city)	Total
1 bedroom	16%	6%	8%
2 bedrooms	25%	19%	20%
3 bedrooms	43%	47%	46%
4 bedrooms	12%	22%	20%
5 or more bedrooms	5%	6%	6%

INTC. Which of the following best describes your daily internet access? Do you have reliable access to high-speed internet, do you have reliable internet access, but it is slow; do you have reliable internet access, but it is only through a smartphone, or do you NOT have reliable access to the internet?

	City	County (non-city)	Total
Have reliable access to high-speed internet	76%	73%	73%
Have reliable internet access, but it is slow	12%	10%	11%
Have reliable internet access, but only through a smartphone	5%	3%	4%
Do not have reliable access to the internet	7%	13%	12%
Do not know	0%	1%	1%

AGE. What was your age on your last birthday?

	City	County (non-city)	Total
18-34	53%	21%	27%
35-54	23%	30%	29%
55 or older	24%	49%	45%

EDUC. What was the highest level of schooling you have completed?

	City	County (non-city)	Total
High school or less	46%	46%	46%
Some college	24%	19%	20%
College degree or higher	30%	35%	34%

Hisp. Are you Hispanic or Latino, or not?

	City	County (non-city)	Total
Yes	25%	5%	8%
No	75%	95%	91%

23. Was English the first or one of the first languages that you learned as a child?

	City	County (non-city)	Total
Yes, it's my only first language	80%	88%	87%
Yes, along with another language(s)	11%	9%	9%
No	9%	3%	4%

n=141

23b. Besides English, what other language(s) did you learn at home as a child?

	City	County (non-city)	Total
Spanish	70%	30%	39%
German	0%	14%	11%
Dutch, PA Dutch	0%	34%	27%
French	0%	5%	4%
Greek	3%	0%	1%
Italian	10%	0%	2%
Other	16%	15%	15%

n=66

23c. What language(s) did you first learn at home as a child?

	City	County (non-city)	Total
Spanish	73%	11%	36%
German	3%	8%	6%
Dutch, PA Dutch	0%	47%	28%
French	4%	3%	3%
Russian	0%	11%	7%
Nepali	10%	0%	4%
Other	11%	20%	17%

n=65

24. Which of the following best describes your level of spoken English?

	City	County (non-city)	Total
Like a native speaker	18%	43%	33%
Advanced: I can talk about both everyday and more complex topics, like social and political issues.	35%	21%	27%
Intermediate: I can talk about everyday topics related to my daily life.	27%	32%	30%
Beginner: I know some words but have trouble holding conversations.	18%	3%	9%

MAR. What is your current marital status?

	City	County (non-city)	Total
Single, never married	40%	15%	19%
Married	35%	62%	57%
Separated	1%	1%	1%
Divorced	11%	7%	8%
Widow, widower	5%	12%	10%
Member of unmarried couple	9%	3%	4%

RACE. Which of the following categories best describes your racial background?

	City	County (non-city)	Total
White	76%	93%	90%
Black or African American	12%	3%	4%
Asian	4%	1%	2%
Native Hawaiian or Other Pacific Islander	1%	0%	0%
American Indian, Alaska Native	0%	0%	0%
Other	8%	2%	3%

NumA. Including yourself, how many adults 18 years of age or older currently live in this household?

	City	County (non-city)	Total
1 adult	29%	24%	25%
2 adults	52%	55%	55%
3 adults	12%	16%	15%
4 adults	5%	3%	3%
5+ adults	2%	2%	2%

INI. Do you have any kind of health care coverage, including health insurance from an employer or private, prepaid plans such as HMO's, state or federal health exchange, or government plans such as Medicare, Medicaid?

	City	County (non-city)	Total
Yes	93%	93%	93%
No	7%	7%	7%

IN1B. Which is it...health insurance from employer, private health insurance, a prepaid plan such as an HMO, a state or federal health exchange, Medicaid, Medicare, or something else?

	City	County (non-city)	Total
Health insurance from employer	54%	48%	49%
Private health insurance	10%	9%	9%
Medicaid	9%	5%	6%
Medicare	21%	32%	30%
Tricare	0%	1%	1%
Do not know	1%	0%	0%
Other	5%	4%	4%

INCOME Total family income per year

	City	County (non-city)	Total
Under \$25,000	20%	9%	11%
\$25,000-\$35,000	13%	11%	11%
\$35,000-50,000	15%	12%	13%
\$50,000-\$75,000	18%	22%	21%
\$75,000-\$100,000	16%	15%	15%
Over \$100,000	10%	23%	21%
Do not know	7%	8%	8%

GEND. Do you consider yourself male, female, transgender, or do you not identify with a specific gender?

	City	County (non-city)	Total
Male	48%	46%	47%
Female	51%	53%	53%
Transgender	0%	0%	0%
Do not identify	1%	0%	0%

SO. Do you consider yourself to be:

	City	County (non-city)	Total
Straight	90%	95%	94%
Lesbian or gay	4%	2%	2%
Bisexual	5%	1%	2%
Other	1%	0%	0%
Do not know	0%	1%	1%

General risk

21. On a scale of 1 to 10, where 1 is not willing to take risks at all and 10 is very willing to take risks, how willing are you to take risks in general?

	City	County (non-city)	Total
Mean (SD)	5.5 (2.6)	5.4 (2.3)	5.4 (2.4)
1= Not willing to take risks at all	11%	8%	8%
2	5%	5%	5%
3	9%	8%	8%
4	8%	9%	9%
5	20%	24%	23%
6	11%	13%	13%
7	14%	15%	15%
8	11%	10%	10%
9	3%	2%	3%
10= Very willing to take risks	9%	6%	6%

- 22a. On a scale of 1-10, where 1 is not willing to take risks at all and 10 is very willing to take risks, how willing are you to take risks related to...Financial matters

	City	County (non-city)	Total
Mean (SD)	4.0 (2.5)	4.2 (2.3)	4.2 (2.3)
1= Not willing to take risks at all	19%	13%	14%
2	14%	14%	14%
3	15%	14%	14%
4	10%	12%	12%
5	17%	19%	18%
6	8%	11%	11%
7	6%	8%	7%
8	3%	4%	4%
9	2%	1%	1%
10= Very willing to take risks	4%	3%	3%
Do not know	2%	1%	1%

- 22b. Health

	City	County (non-city)	Total
Mean (SD)	3.5 (2.5)	3.6 (2.3)	3.6 (2.4)
1= Not willing to take risks at all	33%	25%	26%
2	11%	16%	15%
3	13%	15%	14%
4	11%	9%	10%
5	11%	16%	15%
6	7%	5%	5%
7	5%	7%	7%
8	2%	3%	3%
9	2%	1%	1%
10= Very willing to take risks	4%	2%	3%
Do not know	0%	1%	1%

