



REPORT ON THE 2021 BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM (BRFSS) IN LOUISIANA

**Prepared for the Louisiana
Department of Health**

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Introduction

The Behavioral Risk Factor Surveillance System (BRFSS) is an annual study administered by the federal Centers for Disease Control and Prevention and the public state departments of health that encompasses telephone surveys in each state, the District of Columbia, and three U.S. territories. BRFSS data can be used to monitor health problems and behaviors, and be used to aid legislative action.

By isolating predictive risk factors, health conditions, and behavior among adults, public health officials can explore preventative strategies for demographic groups. Moreover, BRFSS data allows us to track health changes, and identify the overall health of Louisiana residents.

In addition to annual sections of the survey, the 2021 BRFSS included rotating sections on fruit and vegetable consumption. This year's survey in Louisiana also included optional modules hepatitis treatment; occupation and industry of employment; sex at birth; sexual orientation and gender identity; and COVID-19.

Louisiana is often categorized as an at-risk state in many public health studies. Persistent poverty and low educational attainment, compared to peers in other states, leaves Louisianians in a position of vulnerability to several health conditions. As this report will detail, many conditions are correlated with age, education, and household income.

Note: Table cells in this report displaying '---' indicate no respondents provided the particular response or too few respondents did so to permit estimates of confidence intervals or population counts.

1. Subjective Health Evaluation

Analysis of Section 1 ("Health Status") of the 2021 BRFSS Questionnaire

When asked to describe their health in general, most adult Louisiana residents (79.4%) describe their health as "good" or better, which is a slight decrease from 2020 (79.9%), while 20.2% of Louisiana adults report having "fair" or "poor" health.

In general, subjective health assessments appear to correlate with age. Looking at adults reporting "good" or better health, the frequency decreases as the age of the respondent increases. For example, 90.7% of 18-24-year-olds report have "good" or better health, while that percentage gradually decreases until we get to the oldest age group (65-year-olds and older), where only 67.3% of those residents describe their health as "good" or better. Data also suggests as age increases, the reports of "fair" or "poor" health increases. Apart from the 18-24-year-olds and the 25-34-year-olds, as age increases, the share of respondents with "fair" or "poor" health increases.

Continuing the trend from 2020, a larger share of men (80.3%) describes their health as "good" or better, compared to their female counterpart (78.6%). And, intuitively, we see the opposite for those with "fair" or "poor" health, with men

(19.3%) being the smaller share to women (21.0%).

Compared to 2020 data, there is a slight decrease (2.6%) in the percent of White, Non-Hispanic respondents that reported having "good" or better health. However, the share of Black, Non-Hispanic respondents reporting "good" or better health slightly increased, and there is a large increase (8%) among Hispanics.

Socio-economic status also reveals differences among Louisiana adults' health self-assessment. For both education and household income, as education or income increase, the number of respondents reporting "good" or better health also increases. For example, those without a high school diploma are among the smallest share (61.3%) of those reporting "good" or better health, as compared to those with a 4-year college degree or higher (91.9%).

Similarly, at the lowest income bracket (less than \$25,000), we see the smallest share of respondents (60.3%) self-reporting "good" or better health, while those reporting an income of \$75,000 or more, are among the largest share (91.4%) of respondents reporting "good" or better health.

Table 1: Subjective assessment of own health								
	"Good" or better health			"Poor" or "Fair" health			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	79.4	[77.9,80.8]	2,841,022	20.2	[18.8,21.7]	723,147.56	0.4	[0.2,0.7]
AGE								
18-24	90.7	[85.7,94.1]	388,456	9.3	[5.9,14.3]	39,692	---	---
25-34	91.1	[87.8,93.5]	578,658	8.8	[6.3,12.1]	55,946	0.1	[0.0,0.9]
35-44	82.1	[78.1,85.5]	494,433	17.5	[14.2,21.4]	105,578	0.4	[0.1,2.6]
45-54	79.2	[75.5,82.4]	424,731	20.0	[16.9,23.6]	107,368	0.8	[0.2,2.8]
55-64	72.3	[68.7,75.6]	421,381	27.3	[24.0,30.9]	159,251	0.4	[0.1,1.1]
65 and over	67.3	[64.1,70.3]	533,363	32.2	[29.2,35.4]	255,313	0.5	[0.2,1.1]
GENDER								
Male	80.3	[78.1,82.3]	1,384,163	19.3	[17.4,21.5]	333,582	0.4	[0.2,0.8]
Female	78.6	[76.5,80.6]	1,456,859	21.0	[19.1,23.1]	389,566	0.4	[0.2,1.0]
RACE-ETHNICITY								
White, Non-Hispanic	81.1	[79.4,82.7]	1,689,262	18.6	[17.0,20.3]	386,414	0.3	[0.2,0.8]
Black, Non-Hispanic	74.5	[71.1,77.7]	792,816	25.3	[22.2,28.8]	269,594	0.1	[0.0,0.6]
Hispanic	86.3	[80.0,90.8]	166,503	13.7	[9.2,20.0]	26,541	---	---
Other, Non-Hispanic	86.1	[79.6,90.7]	115,850	13.6	[9.0,20.1]	18,356	0.3	[0.0,2.1]
Don't know/No answer	74.1	[63.3,82.6]	76,591	21.5	[14.1,31.4]	22,243	4.4	[1.4,13.3]
EDUCATION								
Did not graduate HS	61.3	[55.4,66.8]	318,164	37.7	[32.3,43.6]	196,036	1.0	[0.4,2.7]
HS diploma/equivalent	78.2	[75.5,80.6]	942,435	21.5	[19.2,24.2]	259,833	0.3	[0.1,1.1]
Some college/2-year college degree	80.4	[77.7,82.9]	832,615	19.3	[16.8,22.0]	199,714	0.3	[0.1,0.8]
4-year college degree or higher	91.9	[90.4,93.2]	739,901	8.0	[6.7,9.5]	64,236	0.1	[0.0,0.4]
Don't know/No answer	60.2	[30.1,84.2]	7,063	28.4	[9.9,58.9]	3,329	11.4	[1.6,50.6]
HOUSEHOLD INCOME								
Less than \$25,000	60.3	[55.9,64.5]	415,481	39.3	[35.0,43.7]	270,733	0.4	[0.2,1.1]
\$25,000-\$49,999	77.7	[74.4,80.7]	597,276	21.9	[19.0,25.2]	168,424	0.4	[0.1,1.8]
\$50,000-\$74,999	87.3	[83.9,90.1]	348,538	12.6	[9.8,16.0]	50,131	0.1	[0.0,0.6]
\$75,000 or more	91.4	[87.6,94.1]	287,986	8.3	[5.6,12.0]	26,063	0.4	[0.0,2.5]
Don't know/No answer	84.8	[82.5,86.8]	1,191,741	14.8	[12.8,17.0]	207,796	0.4	[0.2,1.1]

2. Health Related Quality of Life

Analysis of Section 2 ("Healthy Days") of the 2021 BRFSS Questionnaire

PHYSICAL HEALTH

On average, Louisiana adult residents had an average of 4 (4.4) days in the last thirty days when physical health was "not good." Except for 25-34-year-olds, the older the respondent, the more days with poor physical health. For example, 18-24-year-olds had an average of 3.6 days when their physical health was not good, while 66-64-year-olds (6.0) and 65-year-olds and older (5.9) had more days with poor physical health. Interestingly, 18-24-year-olds reported a higher mean of poor physical health days than 25-34-year-olds, and 35-44-year-olds.

In general, women reported having more days of poor physical health, compared to men, with a 0.7-point difference. While there is some variation with race-ethnicity, There is not a clear correlation between race-ethnicity and poor physical health, however, Black, Non-Hispanics (4.2) report the fewest days when physical health was not good.

Socio-economic status shows variation in self-reported poor physical health, too. Education has a positive effect on physical health. The data shows as education increased the number of poor physical health days decreases. This trend repeats with household income. For example, the lowest income group reports 7.3 days of poor physical health, while the highest income group reports 3.3 days.

MENTAL HEALTH

Mental health tells a slightly different story for adult Louisiana residents. The overall average of days of self-reported poor mental health is at 5.5, which is 1.1 days more than poor physical health. Contrary to physical

health, we see the opposite trend with age and mental health. The younger the age group, the more days poor mental health are reported, with 18-24-year-olds averaging 7.4 days of poor mental health, with those 65-year-olds and older reporting 3.4 days.

Like physical health, females (6.4 days) report more days of poor mental health, compared to males (4.5 days). Among racial-ethnic groups, Hispanics report the fewest days of poor mental health (5.0 days), while Other, Non-Hispanics (6.5 days) and "don't know/no answer" regarding race-ethnicity (7.6 days) report the greatest number of days of poor mental health.

We see a similar trend from physical health to mental health regarding socio-economic factors. In general, as education increases, the number of days with poor mental health decrease. Those that did not finish high school report more day of poor mental health, than those with a 4-year college degree or higher (7.8 days vs. 4.2 days). Those with a reported household income of less than \$25,000 report 8.2 days of poor mental health, while those in the highest income bracket (\$75,000+) report 3.3 days of poor mental health.

HEALTH AFFECTING ACTIVITIES

While residents face poor physical and mental health, these conditions may or may not keep them from usual activities. On average, poor mental or physical health kept residents from their usual activities for 5.5 days of the last 30 days. In general, the older the respondent the more days poor mental or physical health kept residents from their usual activities. Females (5.8 days) reported more days affected, compared to males (5.2

days). Education and income continue to show a clear correlation—the lower the education and the lower the income, the more days affected. Those who did not finish high school report an average of 8.3 days of mental or physical health affecting activity, while those with a 4-year degree or higher self-

report 4.2 days. For income, those with a reported household income less than \$25,000 report 8.0 days of poor mental or physical health affecting activities, while those with a reported household income of \$75,000 or more, report 4.2 days of the last 30 days being affected.

Table 2: Health days in past month

	Days physical health not good in last month		Days mental health not good in last month		Days poor health kept from activities	
	Mean	95% CI	Mean	95% CI	Mean	95% CI
Total	4.4	[4.1, 4.7]	5.5	[5.2, 5.9]	5.5	[5.1, 6.0]
AGE						
18-24	3.6	[2.3, 4.8]	7.4	[6.0, 8.9]	4.1	[2.6, 5.5]
25-34	2.8	[2.1, 3.5]	6.3	[5.4, 7.2]	4.5	[3.5, 5.4]
35-44	3.2	[2.5, 3.9]	6.5	[5.6, 7.4]	4.8	[3.8, 5.8]
45-54	4.3	[3.6, 5.0]	5.5	[4.7, 6.3]	5.6	[4.6, 6.5]
55-64	6.0	[5.2, 6.8]	5.1	[4.4, 5.9]	8.3	[7.1, 9.5]
65 and over	5.9	[5.2, 6.6]	3.4	[2.9, 4.0]	6.2	[5.3, 7.1]
GENDER						
Male	4.0	[3.6, 4.5]	4.5	[4.0, 5.0]	5.2	[4.6, 5.9]
Female	4.7	[4.3, 5.2]	6.4	[5.9, 6.9]	5.8	[5.2, 6.4]
RACE-ETHNICITY						
White, Non-Hispanic	4.5	[4.1, 4.9]	5.4	[5.0, 5.9]	5.6	[5.1, 6.2]
Black, Non-Hispanic	4.2	[3.5, 4.9]	5.5	[4.7, 6.2]	5.4	[4.4, 6.3]
Hispanic	4.7	[3.0, 6.4]	5.0	[3.5, 6.5]	4.7	[2.6, 6.9]
Other, Non-Hispanic	3.8	[2.4, 5.2]	6.4	[4.8, 7.9]	4.8	[2.8, 6.8]
Don't know/No answer	5.4	[3.4, 7.5]	7.6	[4.9, 10.3]	8.0	[5.3, 10.7]
EDUCATION						
Did not graduate HS	7.6	[6.3, 8.9]	7.8	[6.4, 9.3]	8.3	[6.8, 9.9]
HS diploma/equivalent	4.6	[4.0, 5.2]	5.2	[4.7, 5.8]	5.6	[4.8, 6.3]
Some college/2-year college degree	4.1	[3.5, 4.7]	5.7	[5.2, 6.3]	5.2	[4.3, 6.0]
4-year college degree or higher	2.6	[2.3, 2.9]	4.2	[3.8, 4.6]	4.1	[3.5, 4.6]
Don't know/No answer	1.3	[-0.7, 3.2]	2.9	[-0.5, 6.3]	2.7	[-0.7, 6.0]
HOUSEHOLD INCOME						
Less than \$25,000	7.3	[3.4, 8.2]	8.2	[7.2, 9.2]	8.0	[6.9, 9.0]
\$25,000-\$49,999	4.0	[3.4, 4.6]	6.0	[5.2, 6.8]	5.1	[4.3, 6.0]
\$50,000-\$74,999	3.6	[2.8, 4.4]	3.9	[3.2, 4.7]	4.3	[3.3, 5.2]
\$75,000 or more	3.3	[2.3, 4.4]	3.3	[2.5, 4.1]	4.2	[2.9, 5.5]
Don't know/No answer	3.7	[3.2, 4.2]	4.9	[4.3, 5.4]	5.0	[4.2, 5.8]

3. Access to Care

Analysis of Section 3 ("Health Care Access") of the 2021 BRFSS Questionnaire

Most adult Louisiana residents (18-64-year-olds) have health care coverage (67.5%); however this is a significant decline compared to 2020. The 2020 data shows 85.3% of residents had health care coverage, so there is a 17.8% decrease in health care coverage. 18-24-year-olds report the lowest share of coverage, with 77.6% having health care coverage, while 55-64-year-olds (90.8%) maintain the largest shares of adults with coverage. A larger share of women reported coverage (68.5%), compared to men (66.5%). White, Non-Hispanics (66%) are among the lowest share of Louisiana residents without coverage, while Other, Non-Hispanics (73%) are among the largest share of adult residents with coverage. Socio-economic status shows variation among those with health care coverage, too. The data reveals, as education increases, the share of residents with coverage increases. For example, of residents reporting healthcare coverage, 55% did not finish high school, while 75.1% have a 4-year college degree or higher. A similar trend is seen with household income. As income increases, the percent of adult Louisiana residents with health coverage increases.

Interestingly, of the tables in this report, health care coverage had the most "don't know or refused" responses (27%). Put another way, of all questions in the interview, most respondents, for this question, said they did not know if they had health care coverage, or they refused to answer the question.

While most Louisiana adults (84.8%) have one person or a group of doctors as their primary care provider, age does reveal some variation. The younger the age, the smaller the share of respondents claiming to have a primary health care provider. For example, 72.7% of 18-24-

year-olds report having a primary health care provider, while 96.2% of residents 65-years-old and older, report having a primary health care provider. More women (90.3%) report having a primary health care provider, which is 11.5% higher than males reporting having a health care provider. There is some variation among different race-ethnicities, with Black, Non-Hispanics (86%) holding the largest share of reports of having a primary health care provider, while Hispanics (77.6%) are among the smaller shares. In general, as educational attainment increases, share of residents with a primary health care provider increases too. A similar trend is seen for household income as well. In general, as income increases, reports of having a primary health care provider increase.

78.2% of Louisiana adults visited a doctor for a routine checkup in the past year. Having a routine checkup is associated with age, gender, and race. As age increased, shares of adults having a routine checkup, increased. Specifically, younger adults (18-24-year-olds), were among the smallest share of residents having a checkup, compared to the eldest adults (62.5% vs. 93.3%). More women reported having a routine checkup, compared to men. Hispanics (69.8%) are disproportionately among the smallest group of residents that had a routine checkup. Black, Non-Hispanics (84.3%) made up the largest share of residents, followed by White, Non-Hispanics (77.2%).

While health care coverage may assist in medical care costs, the BRFSS also asks if residents did not seek health care due to cost. When asked "Was there a time in the past 12 months when you needed to see a doctor but could not because you could not afford it?"

11.5% of adult Louisiana residents answered “yes”. Interestingly, 25-44-year-olds were among the largest shares of residents who said they could not afford to see a doctor due to cost. 18-24-year-olds, and those 65-years-old and older reported the smallest shares of unaffordability. In general, women (12.1%) reported being unable to see a doctor due to cost, more, than men (10.9%). While most White, Non-Hispanics could afford to see a doctor, 10.1% of Whites could not, this is the smallest share among racial-ethnic groups, while Other, Non-Hispanics (17.7%) were

among the largest share of not being able to afford to see a doctor. Socio-economic factors affect doctor visit affordability as well. As educational attainment increased, reports of unaffordability decreased. Similarly, as household income increased, the likelihood of being unable to afford to see a doctor decreased. For example, 19.7% of residents with a household income of less than \$25,000, could not see a doctor due to cost, while only 5.9% of residents with a household income of \$75,000 or more were unable to see a doctor due to cost.

Table 3A: Respondents aged 18 to 64 with health care coverage

	Has coverage			No coverage			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	67.5	[65.8,69.2]	2,415,297	5.5	[4.6,6.5]	195,631.06	27.0	[25.5,28.6]
AGE								
18-24	77.6	[70.9,83.1]	332,051	8.5	[4.9,14.4]	36,319	14.0	[9.9,19.3]
25-34	88.3	[84.5,91.3]	561,345	8.7	[6.2,12.2]	55,432	2.9	[1.6,5.2]
35-44	90.0	[86.8,92.5]	542,160	7.5	[5.3,10.4]	45,022	2.5	[1.5,4.2]
45-54	84.0	[80.6,86.8]	450,509	5.9	[4.1,8.3]	31,520	10.2	[7.9,13.0]
55-64	90.8	[88.4,92.7]	529,233	4.7	[3.4,6.5]	27,338	4.5	[3.2,6.4]
65 and over	---	---	---	---	---	---	---	---
GENDER								
Male	66.5	[63.9,68.9]	1,145,824	7.7	[6.1,9.6]	132,473	25.9	[23.8,28.1]
Female	68.5	[66.2,70.6]	1,269,473	3.4	[2.6,4.4]	63,158	28.1	[26.1,30.3]
RACE-ETHNICITY								
White, Non-Hispanic	66.0	[64.0,68.0]	1,374,916	4.7	[3.7,5.9]	97,093	29.3	[27.5,31.2]
Black, Non-Hispanic	70.7	[67.2,74.0]	752,165	5.4	[3.6,7.9]	57,067	23.9	[21.1,27.0]
Hispanic	71.4	[62.1,79.2]	137,874	10.3	[5.9,17.5]	19,908	18.3	[12.0,26.7]
Other, Non-Hispanic	73.0	[65.9,79.2]	98,325	9.6	[5.9,15.2]	12,924	17.4	[12.6,23.4]
Don't know/No answer	50.3	[38.0,62.6]	52,018	8.4	[3.2,20.2]	8,639	41.3	[30.4,53.2]
EDUCATION								
Did not graduate HS	55.0	[48.9,61.0]	285,675	9.7	[6.5,14.4]	50,597	35.3	[29.9,41.0]
HS diploma/equivalent	65.9	[62.8,68.9]	794,674	5.7	[4.1,7.8]	68,870	28.4	[25.7,31.2]
Some college/2-year college degree	70.4	[67.5,73.1]	728,956	5.6	[4.2,7.3]	57,779	24.0	[21.6,26.6]
4-year college degree or higher	75.1	[72.9,77.3]	604,816	2.3	[1.6,3.3]	18,386	22.6	[20.6,24.7]
Don't know/No answer	10.0	[3.0,28.4]	1,177	---	---	---	90.0	[71.6,97.0]
HOUSEHOLD INCOME								
Less than \$25,000	64.6	[60.5,68.6]	445,463	6.0	[4.2,8.5]	41,507	29.3	[25.8,33.2]
\$25,000-\$49,999	64.3	[60.7,67.8]	494,506	7.1	[5.2,9.5]	54,271	28.6	[25.5,31.9]
\$50,000-\$74,999	70.7	[65.7,75.3]	282,377	7.7	[4.4,13.1]	30,784	21.5	[18.2,25.4]
\$75,000 or more	74.0	[68.6,78.8]	233,295	3.0	[1.4,6.4]	9,413	23.0	[18.5,28.1]
Don't know/No answer	68.3	[65.5,70.9]	959,657	4.2	[3.0,5.9]	59,656	27.5	[25.1,30.0]

Table 3B: Respondent has primary health care provider

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	84.8	[83.2,86.2]	3,032,614	14.2	[12.9,15.7]	508,364	1.0	[0.6,1.6]
AGE								
18-24	72.7	[66.2,78.4]	311,383	23.8	[18.6,30.0]	102,081	3.4	[1.4,8.3]
25-34	73.9	[68.9,78.4]	469,661	25.0	[20.6,30.0]	159,109	1.0	[0.5,2.3]
35-44	80.7	[76.5,84.3]	485,926	18.8	[15.3,22.8]	112,960	0.6	[0.1,3.9]
45-54	86.2	[83.1,88.9]	462,677	12.6	[10.0,15.7]	67,618	1.2	[0.5,2.5]
55-64	92.8	[90.4,94.6]	540,694	6.6	[4.9,8.9]	38,684	0.6	[0.2,1.8]
65 and over	96.2	[94.8,97.2]	762,273	3.5	[2.5,4.9]	27,912	0.3	[0.1,0.8]
GENDER								
Male	78.8	[76.3,81.2]	1,359,110	19.5	[17.2,22.0]	336,154	1.7	[0.9,2.9]
Female	90.3	[88.6,91.7]	1,673,503	9.3	[7.9,11.0]	172,209	0.4	[0.2,0.8]
RACE-ETHNICITY								
White, Non-Hispanic	85.6	[83.8,87.2]	1,783,373	13.2	[11.7,14.9]	275,537	1.2	[0.7,2.0]
Black, Non-Hispanic	86.0	[82.8,88.7]	915,282	13.3	[10.7,16.4]	141,554	0.7	[0.2,2.9]
Hispanic	77.6	[68.1,84.9]	149,791	21.8	[14.6,31.3]	42,064	0.6	[0.1,4.3]
Other, Non-Hispanic	80.0	[72.9,85.6]	107,628	19.8	[14.2,26.9]	26,670	0.2	[0.0,1.7]
Don't know/No answer	74.0	[61.4,83.6]	76,540	21.8	[12.8,34.7]	22,539	4.2	[1.8,9.6]
EDUCATION								
Did not graduate HS	76.7	[70.8,81.8]	398,394	21.5	[16.6,27.4]	111,673	1.8	[0.8,4.0]
HS diploma/equivalent	84.8	[82.1,87.2]	1,022,810	14.3	[12.0,16.9]	172,456	0.9	[0.3,2.2]
Some college/2-year college degree	84.3	[81.5,86.8]	872,931	14.6	[12.3,17.3]	151,306	1.1	[0.4,2.9]
4-year college degree or higher	90.4	[88.6,92.0]	727,887	9.0	[7.5,10.9]	72,816	0.5	[0.2,1.2]
Don't know/No answer	83.1	[50.7,95.9]	9,747	1.0	[0.1,7.1]	113	16.0	[3.6,49.3]
HOUSEHOLD INCOME								
Less than \$25,000	83.9	[80.2,87.1]	578,478	15.1	[12.1,18.8]	104,381	0.9	[0.4,2.0]
\$25,000-\$49,999	81.2	[77.6,84.3]	624,024	17.8	[14.7,21.3]	136,590	1.1	[0.4,2.8]
\$50,000-\$74,999	87.3	[82.9,90.7]	348,407	12.5	[9.1,16.9]	49,881	0.2	[0.0,1.5]
\$75,000 or more	90.3	[86.1,93.3]	284,574	9.4	[6.4,13.6]	29,653	0.3	[0.0,1.8]
Don't know/No answer	85.2	[82.6,87.4]	1,197,131	13.4	[11.3,15.8]	187,858	1.5	[0.7,2.9]

Table 3C: Had a routine checkup in past year

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	78.2	[76.2,79.8]	2,798,444	20.1	[18.6,21.8]	720,421	1.7	[1.2,2.3]
AGE								
18-24	62.5	[55.3,69.2]	267,716	32.7	[26.4,39.7]	140,008	4.8	[2.4,9.4]
25-34	65.4	[60.1,70.4]	415,739	32.3	[27.4,37.6]	205,111	2.3	[1.2,4.3]
35-44	73.6	[69.4,77.3]	443,074	25.1	[21.5,29.1]	151,309	1.3	[0.5,3.5]
45-54	81.5	[78.1,84.4]	437,102	17.6	[14.7,20.9]	94,378	0.9	[0.4,2.2]
55-64	84.9	[82.0,87.4]	495,059	14.0	[11.6,16.8]	81,765	1.0	[0.5,2.4]
65 and over	93.3	[91.7,94.6]	739,754	6.0	[4.8,7.6]	47,849	0.6	[0.3,1.3]
GENDER								
Male	73.2	[70.6,75.7]	1,262,718	24.3	[21.9,26.9]	419,145	2.5	[1.6,3.8]
Female	82.8	[80.7,84.8]	1,535,726	16.3	[14.3,18.4]	301,275	0.9	[0.6,1.4]
RACE-ETHNICITY								
White, Non-Hispanic	77.2	[75.1,79.1]	1,607,342	21.4	[19.6,23.4]	446,576	1.4	[0.9,2.1]
Black, Non-Hispanic	84.3	[81.1,87.1]	896,797	13.9	[11.3,16.9]	147,567	1.8	[0.9,3.8]
Hispanic	69.8	[59.4,78.5]	134,799	29.2	[20.6,39.6]	56,407	1.0	[0.2,4.7]
Other, Non-Hispanic	72.1	[64.7,78.5]	97,122	24.9	[18.8,32.2]	33,522	2.9	[1.3,6.7]
Don't know/No answer	60.3	[46.4,72.8]	62,384	35.2	[22.8,49.9]	36,349	4.5	[1.6,11.8]
EDUCATION								
Did not graduate HS	76.2	[70.4,81.2]	395,865	22.8	[17.8,28.6]	118,319	1.0	[0.3,3.0]
HS diploma/equivalent	78.4	[75.2,81.2]	944,862	19.6	[16.8,22.7]	236,046	2.1	[1.2,3.4]
Some college/2-year college degree	76.9	[73.8,79.8]	796,255	21.2	[18.5,24.1]	219,272	1.9	[1.0,3.8]
4-year college degree or higher	80.8	[78.5,83.0]	650,462	18.2	[16.1,20.5]	146,548	1.0	[0.5,1.8]
Don't know/No answer	86.6	[51.2,97.5]	10,156	2.0	[0.4,8.7]	236	11.4	[1.6,50.6]
HOUSEHOLD INCOME								
Less than \$25,000	79.7	[75.7,83.2]	549,310	19.1	[15.7,23.1]	131,978	1.1	[0.6,2.3]
\$25,000-\$49,999	75.9	[72.3,79.2]	583,722	21.9	[18.8,25.3]	168,056	2.2	[1.1,4.4]
\$50,000-\$74,999	78.5	[73.8,82.7]	313,472	19.8	[15.8,24.5]	79,058	1.7	[0.7,4.1]
\$75,000 or more	78.9	[72.4,84.2]	248,639	20.4	[15.1,26.9]	64,186	0.7	[0.3,1.9]
Don't know/No answer	78.5	[75.7,81.0]	1,103,302	19.7	[17.3,22.4]	277,143	1.8	[1.0,3.1]

Table 3D: There was a time in past year when could not see a doctor due to cost

	Could not afford care			Could afford care			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	11.5	[10.4,12.7]	411,458	87.7	[86.4,89.0]	3,138,904	0.8	[0.4,1.5]
AGE								
18-24	7.1	[4.8,10.3]	30,226	90.7	[85.3,94.3]	388,489	2.2	[0.4,10.9]
25-34	17.4	[13.9,21.7]	110,873	81.9	[77.6,85.6]	520,679	0.6	[0.2,2.3]
35-44	17.3	[13.9,21.2]	103,902	82.0	[77.9,85.4]	493,634	0.8	[0.2,3.5]
45-54	11.1	[8.8,13.8]	59,356	88.1	[85.3,90.5]	472,946	0.8	[0.3,2.2]
55-64	11.0	[8.7,13.8]	64,187	88.7	[85.9,91.0]	517,129	0.3	[0.1,1.1]
65 and over	5.4	[4.1,7.1]	42,915	94.1	[92.4,95.5]	746,028	0.5	[0.1,1.5]
GENDER								
Male	10.9	[9.2,12.8]	187,947	87.8	[85.7,89.7]	1,514,592	1.3	[0.5,2.9]
Female	12.1	[10.6,13.7]	223,511	87.6	[85.9,89.1]	1,624,312	0.3	[0.1,0.7]
RACE-ETHNICITY								
White, Non-Hispanic	10.1	[8.8,11.5]	210,289	89.4	[87.9,90.7]	1,861,664	0.5	[0.2,1.1]
Black, Non-Hispanic	12.9	[10.5,15.7]	136,918	86.9	[84.0,89.3]	924,593	0.2	[0.0,1.6]
Hispanic	13.0	[8.4,19.5]	25,130	86.2	[79.5,91.0]	166,445	0.8	[0.1,5.2]
Other, Non-Hispanic	17.7	[12.1,25.1]	23,834	80.8	[73.0,86.8]	108,777	1.5	[0.2,9.7]
Don't know/No answer	14.8	[8.1,25.5]	15,288	74.9	[58.4,86.4]	77,425	10.3	[2.5,34.4]
EDUCATION								
Did not graduate HS	15.7	[12.1,20.2]	81,729	83.1	[78.6,86.9]	431,797	1.1	[0.4,2.8]
HS diploma/equivalent	11.8	[9.8,14.2]	142,846	86.8	[84.0,89.1]	1,045,997	1.4	[0.5,4.0]
Some college/2-year college degree	12.7	[10.6,15.2]	131,567	87.2	[84.7,89.3]	902,786	0.1	[0.0,0.5]
4-year college degree or higher	6.7	[5.3,8.4]	53,926	93.0	[91.3,94.4]	748,601	0.3	[0.1,1.0]
Don't know/No answer	11.8	[1.7,51.6]	1,390	75.7	[40.7,93.4]	8,878	12.5	[2.0,49.5]
HOUSEHOLD INCOME								
Less than \$25,000	19.7	[16.4,23.4]	135,720	80.1	[76.3,83.4]	551,932	0.2	[0.1,0.9]
\$25,000-\$49,999	15.9	[13.2,19.1]	122,388	83.2	[79.9,86.0]	639,471	0.9	[0.3,2.9]
\$50,000-\$74,999	7.0	[4.7,10.4]	27,886	93.0	[89.6,95.3]	371,263	---	---
\$75,000 or more	5.9	[3.7,9.5]	18,702	93.9	[90.4,96.2]	296,021	0.1	[0.0,1.0]
Don't know/No answer	7.6	[6.2,9.3]	106,762	91.1	[88.9,92.8]	1,280,218	1.3	[0.5,3.3]

4. Exercise

Analysis of Section 4 (“Exercise”) of the 2021 BRFSS Questionnaire

When asked if they participated in physical activity or exercises outside of their usual work, most Louisiana adult residents (70.5%) answered “yes.” Regular exercise is important for overall health and is known to decrease the likelihood of being diagnosed with other health conditions.

In general, exercise does not vary greatly across age groups, but the data suggests 35-44-year-olds are the most active age group (78.6%), while those 65-year-olds and older are least active (59.4%). Maintaining the findings from the 2020 data, males (74.3%) self-report exercising more than their female (66.9%) counterparts. In general, Hispanics

(79%), and Other, Non-Hispanics (76.9%) report higher shares of exercise compared to White, Non-Hispanics (71.2%), and Black, Non-Hispanics (66.8%).

Socio-economic demographics also reveal as education increases, reported exercise also increases. For example, 55.3% of residents that did not graduate high school report exercise, while 85.5% of residents with a 4-year college degree or higher report exercise outside of their usual work. Moreover, as household income increases, reports of exercise also increase. These trends also align with the 2020 data.

Table 4: Has engaged in physical activity other than job in past month

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	70.5	[68.7,72.2]	2,521,724	29.3	[27.6,31.1]	1,049,196	0.2	[0.1,0.4]
AGE								
18-24	75.5	[67.9,81.8]	323,100	24.5	[18.2,32.1]	105,048	---	---
25-34	74.8	[69.7,79.4]	475,538	25.0	[20.5,30.1]	158,758	0.2	[0.0,1.3]
35-44	78.6	[74.6,82.1]	473,382	21.4	[17.9,25.4]	128,899	---	---
45-54	74.1	[70.4,77.4]	397,399	25.4	[22.1,29.1]	136,440	0.5	[0.2,1.7]
55-64	65.5	[61.7,69.1]	381,621	34.2	[30.6,38.0]	199,311	0.3	[0.1,1.1]
65 and over	59.4	[56.1,62.6]	470,683	40.5	[37.3,43.7]	320,741	0.2	[0.0,0.9]
GENDER								
Male	74.3	[71.7,76.7]	1,280,613	25.4	[23.0,28.0]	438,085	0.3	[0.1,0.7]
Female	66.9	[64.5,69.3]	1,241,111	33.0	[30.6,35.4]	611,111	0.1	[0.0,0.3]
RACE-ETHNICITY								
White, Non-Hispanic	71.2	[69.1,73.1]	1,482,694	28.6	[26.7,30.7]	596,678	0.2	[0.1,0.5]
Black, Non-Hispanic	66.8	[63.0,70.5]	711,091	33.0	[29.3,36.8]	350,904	0.2	[0.1,0.6]
Hispanic	79.0	[67.5,87.2]	152,551	20.9	[12.7,32.4]	40,345	0.1	[0.0,0.5]
Other, Non-Hispanic	76.9	[69.4,83.0]	103,473	23.1	[17.0,30.6]	31,140	---	---
Don't know/No answer	69.6	[58.2,78.9]	71,915	29.1	[20.0,40.3]	30,128	1.3	[0.2,8.7]
EDUCATION								
Did not graduate HS	55.3	[49.1,61.3]	287,085	44.7	[38.7,50.9]	232,256	---	---
HS diploma/equivalent	63.6	[60.3,66.8]	766,758	36.1	[32.9,39.5]	435,770	0.3	[0.1,0.8]
Some college/2-year college degree	74.7	[71.7,77.5]	773,414	25.1	[22.3,28.1]	259,631	0.2	[0.1,0.7]
4-year college degree or higher	85.5	[83.5,87.3]	688,499	14.4	[12.7,16.4]	116,271	0.0	[0.0,0.1]
Don't know/No answer	43.7	[18.5,72.5]	5,123	44.9	[18.0,75.1]	5,268	11.4	[1.6,50.6]
HOUSEHOLD INCOME								
Less than \$25,000	58.6	[54.0,63.1]	403,768	41.3	[36.9,46.0]	284,923	0.1	[0.0,0.5]
\$25,000-\$49,999	65.8	[61.9,69.4]	505,443	34.1	[30.5,38.0]	262,273	0.1	[0.0,0.7]
\$50,000-\$74,999	78.4	[74.1,82.2]	313,049	21.6	[17.8,25.9]	86,101	---	---
\$75,000 or more	82.0	[77.3,85.8]	258,328	18.0	[14.2,22.7]	56,837	---	---
Don't know/No answer	74.1	[71.2,76.7]	1,041,136	25.5	[22.9,28.4]	359,063	0.4	[0.2,0.9]

5. Hypertension and Cholesterol

Analysis of Sections 5 & 6 (“Hypertension Awareness” and “Cholesterol Awareness”) of the 2021 BRFSS Questionnaire

High blood pressure and high cholesterol are risk factor indicators for other major health conditions.

Blood Pressure

Excluding women told they have high blood pressure during pregnancy, 40.1% of adult Louisiana residents have been told they have high blood pressure. Data reveals as age increases likelihood of having high blood pressure also increases. For example, 11.3% of 18-24-year-olds report being told they have high blood pressure, while 68.8% of those 65 and older have been told they have high pressure. Men (41.1%), more than women (39.1%) report being told they have high pressure. White, Non-Hispanics (38.4%), and Black, Non-Hispanics (46.2%) are among the largest shares of racial-ethnic groups told they have high blood pressure. Data suggests, in general as education increases, and household income increases, reports of high blood pressure decreases, except for residents with a household income of \$50,000-\$74,999.

Cholesterol

Of adult Louisiana residents, 37.4% of residents who had cholesterol checked within the past 5 years, have been told their cholesterol was high. Like seen in other health conditions, as age increases, reports of high cholesterol also increase. There is not great variation between genders for high cholesterol, with 38.5% of males reporting high cholesterol, compared to the 36.5% of females reporting high cholesterol. White, Non-Hispanics (40.7%) make up the largest share of adults reporting high cholesterol. This is 5.9% more than the next largest share group, which are Black, Non-Hispanics (34.8%). Hispanics (25%) maintain the lowest share of self-reports of high cholesterol. Continuing the trend seen in the high blood pressure statistics, the data suggests, for both education and household income, as each increase, reports of high cholesterol decreases.

Table 5A: Adults told they have high blood pressure (excludes women with high blood pressure only during pregnancy)

	No			Yes			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	59.5	[57.7,61.3]]	2,128,980	40.1	[38.3,41.9]	1,433,898	0.4	[0.2,0.7]
AGE								
18-24	88.4	[81.0,93.2]	378,660	11.3	[6.5,18.8]	48,204	0.3	[0.1,1.3]
25-34	82.4	[77.9,86.1]	523,487	17.2	[13.5,21.6]	109,390	0.4	[0.1,1.8]
35-44	70.2	[65.9,74.2]	423,077	29.4	[25.4,33.7]	177,067	0.4	[0.1,1.2]
45-54	56.2	[52.1,60.2]	301,295	43.3	[39.3,47.3]	232,095	0.6	[0.2,1.6]
55-64	44.1	[40.4,47.8]	256,862	55.3	[51.5,59.0]	322,139	0.7	[0.2,2.1]
65 and over	31.0	[28.1,34.0]	245,598	68.8	[65.8,71.6]	545,002	0.3	[0.1,0.8]
GENDER								
Male	58.3	[55.6,61.0]	1,005,598	41.1	[38.4,43.8]	708,389	0.6	[0.3,1.2]
Female	60.6	[58.2,63.0]	1,123,382	39.1	[36.8,41.6]	725,509	0.3	[0.1,0.5]
RACE-ETHNICITY								
White, Non-Hispanic	61.4	[59.3,63.4]	1,278,464	38.4	[36.4,40.4]	799,546	0.2	[0.1,0.5]
Black, Non-Hispanic	53.5	[49.6,57.4]	568,977	46.2	[42.4,50.1]	491,945	0.3	[0.1,1.2]
Hispanic	67.2	[57.1,75.9]	129,705	32.4	[23.7,42.5]	62,558	0.4	[0.1,2.8]
Other, Non-Hispanic	72.3	[64.7,78.8]	97,350	25.4	[19.3,32.7]	34,222	2.3	[0.6,8.1]
Don't know/No answer	52.7	[40.0,65.1]	54,484	44.1	[31.8,57.3]	45,627	3.2	[1.2,8.2]
EDUCATION								
Did not graduate HS	49.9	[43.7,56.1]	259,095	49.5	[43.4,55.7]	257,189	0.6	[0.1,2.6]
HS diploma/equivalent	56.8	[53.5,60.2]	685,336	42.7	[39.4,46.1]	515,440	0.4	[0.2,1.0]
Some college/2-year college degree	60.5	[57.2,63.7]	626,311	39.1	[36.0,42.4]	404,905	0.4	[0.2,0.9]
4-year college degree or higher	68.6	[66.0,71.0]	551,915	31.3	[28.9,33.9]	252,312	0.1	[0.0,0.3]
Don't know/No answer	53.9	[25.3,80.1]	6,323	27.3	[10.2,55.4]	3,207	18.8	[5.0,50.3]
HOUSEHOLD INCOME								
Less than \$25,000	48.4	[43.8,53.0]	333,500	51.1	[46.5,55.7]	352,228	0.5	[0.2,1.6]
\$25,000-\$49,999	59.0	[55.2,62.7]	453,539	40.9	[37.2,44.7]	314,281	0.1	[0.0,0.4]
\$50,000-\$74,999	68.0	[63.4,72.2]	271,358	32.0	[27.8,36.6]	127,791	---	---
\$75,000 or more	61.8	[56.0,67.4]	194,892	38.2	[32.6,44.0]	120,273	---	---
Don't know/No answer	62.3	[59.4,65.1]	875,692	36.9	[34.1,39.8]	519,325	0.8	[0.4,1.4]

Table 5B: Adults with cholesterol checked within the past 5 years and have been told that it was high*

	No			Yes			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	61.8	[59.9,63.7]	1,809,998	37.4	[35.6,39.3]	1,095,567	0.8	[0.5,1.3]
AGE								
18-24	82.1	[70.5,89.7]	171,077	16.9	[9.4,28.5]	35,277	1.0	[0.1,6.9]
25-34	82.9	[78.0,86.9]	363,220	16.3	[12.4,21.2]	71,545	0.7	[0.2,3.4]
35-44	73.4	[68.9,77.4]	368,060	25.5	[21.5,29.9]	127,968	1.1	[0.3,3.6]
45-54	61.9	[57.8,65.9]	307,726	37.5	[33.6,41.6]	186,262	0.6	[0.2,1.4]
55-64	49.4	[45.5,53.3]	269,107	49.9	[46.0,53.8]	271,472	0.7	[0.3,1.8]
65 and over	44.7	[41.5,48.0]	330,808	54.5	[51.2,57.8]	403,044	0.8	[0.3,1.7]
GENDER								
Male	60.4	[57.6,63.2]	805,321	38.5	[35.8,41.4]	513,766	1.0	[0.6,1.9]
Female	62.9	[60.4,65.4]	1,004,677	36.5	[34.0,39.0]	581,801	0.6	[0.3,1.3]
RACE-ETHNICITY								
White, Non-Hispanic	58.8	[56.6,61.0]	998,550	40.7	[38.6,42.9]	692,043	0.5	[0.3,0.8]
Black, Non-Hispanic	64.1	[60.1,67.9]	573,779	34.8	[31.0,38.7]	311,476	1.2	[0.5,2.6]
Hispanic	75.0	[64.1,83.4]	122,268	25.0	[16.6,35.9]	40,822	---	---
Other, Non-Hispanic	67.5	[58.4,75.4]	70,505	30.4	[22.9,39.1]	31,730	2.1	[0.3,12.4]
Don't know/No answer	66.7	[55.6,76.3]	44,897	29.0	[20.1,39.8]	19,496	4.3	[1.3,12.9]
EDUCATION								
Did not graduate HS	55.5	[48.8,62.0]	225,009	42.5	[36.1,49.1]	172,256	2.0	[0.8,5.0]
HS diploma/equivalent	61.1	[57.6,64.5]	587,518	38.3	[34.9,41.8]	368,269	0.5	[0.2,1.5]
Some college/2-year college degree	61.8	[58.3,65.2]	516,570	37.6	[34.2,41.0]	313,788	0.6	[0.2,1.6]
4-year college degree or higher	66.5	[63.8,69.2]	478,958	33.1	[30.5,35.8]	238,284	0.3	[0.1,1.0]
Don't know/No answer	31.3	[10.4,64.3]	1,942	34.3	[11.8,67.1]	2,125	34.4	[9.9,71.3]
HOUSEHOLD INCOME								
Less than \$25,000	53.7	[48.7,58.6]	308,736	44.4	[39.5,49.4]	255,170	1.9	[0.8,4.4]
\$25,000-\$49,999	61.5	[57.5,65.4]	381,440	38.1	[34.3,42.2]	236,527	0.4	[0.1,1.3]
\$50,000-\$74,999	63.8	[58.9,68.4]	205,158	35.8	[31.2,40.7]	115,154	0.4	[0.1,1.5]
\$75,000 or more	64.2	[58.2,69.7]	183,349	35.4	[29.8,41.3]	100,995	0.4	[0.1,1.8]
Don't know/No answer	64.9	[62.0,67.7]	731,315	34.4	[31.6,37.3]	387,721	0.7	[0.4,1.3]

* Exclude statistics on adults who have never had cholesterol checked.

6. Asthma & Respiratory Health

Analysis of Section 7 ("Chronic Health Conditions") of the 2021 BRFSS Questionnaire

ASTHMA

Asthma is a health condition affecting inflammation of airways. About 10% (9.6%) of adult Louisiana residents are currently diagnosed with asthma. This is a slight increase of reports of residents with the condition, compared to 2020. In 2020, 7.8% of residents reported current diagnoses of asthma, which yields a 1.8% increase from 2020 to 2021.

Asthma is more prevalent in women than men. 12.3% of female respondents' self-report having a current diagnosis of asthma, which is nearly twice the report of male residents (6.7%). The explanation for this large gap is beyond the scope of this project.

White, Non-Hispanics report the lowest share of asthma diagnoses (7.9%), which is a 4% difference from Other, Non-Hispanics (12.7%), and Black, Non-Hispanics (12.3%) which make up the largest shares of racial-ethnic groups with asthma diagnoses.

Education and household income appear to disproportionally affect the less educated, and those among the lowest income groups. For example, as educational attainment increases, reports of asthma decreases. Moreover, as household income increases, reports of having asthma decreases (16.9% vs. 4.7%).

OTHER RESPIRATORY CONDITIONS

In Louisiana, 8.6% of adults suffer from other respiratory conditions such as chronic obstructive pulmonary disease (COPD), emphysema, or chronic bronchitis, which is 0.2% increase from 2020.

Respiratory conditions are related to age and socio-economic status. As one ages, risk of respiratory conditions significantly increases. Only 2.4% of 18-24-year-olds report having COPD, emphysema or chronic bronchitis, while those 5-years-old and older make up the largest shares of diagnoses (14.2% of 44-54-year-olds, and 13.7% of those 65-year-olds and older). There is not a large variation between men and women (8.3% vs. 8.9%) and race-ethnicity. Hispanics are among the smallest share of diagnoses, while White, Non-Hispanics are among the largest share (6.2% vs. 9.1%).

College graduates are more than 4 times less likely to have one of these chronic conditions, compared to those who did not finish high school (3.4% vs. 16.2%). A similar trend is found for household income. In Louisiana, 17.9% of residents with a household income of less than \$25,000 self-report having other respiratory conditions, which is nearly 6 times higher than those with a household income of \$75,000 or more, who only make up 3% of residents with COPD, emphysema, or chronic bronchitis.

Table 6A: Currently diagnosed with asthma								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	9.6	[8.5,10.9]	344,842	89.6	[88.4,90.7]	3,206,170	0.8	[0.5,1.1]
AGE								
18-24	13.7	[8.9,20.3]	58,448	86.2	[79.6,90.9]	369,064	0.1	[0.0,1.1]
25-34	9.7	[7.1,13.1]	61,471	89.4	[85.9,92.1]	567,965	0.9	[0.3,2.6]
35-44	8.5	[6.3,11.4]	51,214	90.6	[87.6,93.0]	545,801	0.9	[0.4,2.2]
45-54	9.8	[7.5,12.5]	52,358	89.6	[86.8,91.9]	480,835	0.6	[0.2,1.7]
55-64	10.3	[8.3,12.6]	59,758	89.2	[86.8,91.2]	519,765	0.6	[0.3,1.3]
65 and over	7.8	[6.2,9.7]	61,593	91.2	[89.2,92.9]	722,739	1.0	[0.5,2.1]
GENDER								
Male	6.7	[5.3,8.5]	116,033	92.4	[90.6,93.9]	1,593,017	0.9	[0.5,1.6]
Female	12.3	[10.7,14.1]	228,809	87.0	[85.2,88.6]	1,613,152	0.6	[0.4,1.1]
RACE-ETHNICITY								
White, Non-Hispanic	7.9	[6.8,9.1]	164,365	91.2	[89.9,92.3]	1,899,118	0.9	[0.6,1.5]
Black, Non-Hispanic	12.3	[9.9,15.1]	130,422	87.5	[84.6,89.9]	930,503	0.3	[0.1,0.9]
Hispanic	9.4	[5.2,16.3]	18,129	90.2	[83.3,94.4]	174,144	0.4	[0.1,2.8]
Other, Non-Hispanic	12.7	[7.8,20.1]	17,144	86.1	[78.7,91.3]	115,966	1.1	[0.2,5.0]
Don't know/No answer	14.3	[5.2,33.8]	14,783	83.6	[65.3,93.3]	86,439	2.1	[0.6,7.6]
EDUCATION								
Did not graduate HS	15.3	[11.4,20.3]	79,709	83.9	[78.9,87.8]	435,491	0.8	[0.2,2.6]
HS diploma/equivalent	8.9	[7.0,11.3]	107,259	90.3	[87.8,92.2]	1,088,255	0.8	[0.4,1.7]
Some college/2-year college degree	9.3	[7.6,11.4]	96,201	90.0	[87.9,91.8]	932,241	0.7	[0.3,1.4]
4-year college degree or higher	7.7	[6.3,9.3]	61,672	91.9	[90.3,93.3]	739,685	0.4	[0.2,1.0]
Don't know/No answer	---	---	---	82.3	[50.0,95.6]	9,653	17.7	[4.4,50.0]
HOUSEHOLD INCOME								
Less than \$25,000	16.9	[13.6,20.6]	116,156	82.6	[78.8,85.9]	569,419	0.5	[0.2,1.3]
\$25,000-\$49,999	9.8	[7.7,12.5]	75,621	89.5	[86.8,91.7]	688,110	0.6	[0.3,1.6]
\$50,000-\$74,999	7.2	[5.0,10.4]	28,913	91.5	[88.2,94.0]	365,335	1.2	[0.5,3.1]
\$75,000 or more	4.7	[3.1,7.1]	14,751	95.0	[92.5,96.7]	299,324	0.3	[0.0,2.4]
Don't know/No answer	7.8	[6.2,9.8]	109,401	91.3	[89.3,93.0]	1,283,980	0.9	[0.5,1.6]

Table 6B: Diagnosed with chronic obstructive pulmonary disease (COPD), emphysema, or chronic bronchitis

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	8.6	[7.7,9.6]	308,150	90.6	[89.5,91.5]	3,240,113	0.8	[0.5,1.2]
AGE								
18-24	2.4	[0.9,5.9]	10,100	97.3	[93.8,98.9]	416,782	0.3	[0.0,2.1]
25-34	4.0	[2.3,7.0]	25,482	95.7	[92.7,97.5]	608,342	0.3	[0.0,1.8]
35-44	6.5	[4.5,9.4]	39,182	91.8	[88.8,94.1]	553,132	1.7	[0.8,3.5]
45-54	7.8	[5.9,10.1]	41,605	91.4	[89.0,93.4]	490,522	0.8	[0.3,2.2]
55-64	14.2	[11.7,17.2]	82,839	84.9	[81.8,87.6]	495,031	0.9	[0.3,2.4]
65 and over	13.7	[11.8,16.0]	108,942	85.3	[83.0,87.3]	676,305	0.9	[0.5,1.8]
GENDER								
Male	8.3	[7.0,9.8]	142,872	90.7	[89.1,92.1]	1,564,014	1.0	[0.6,1.8]
Female	8.9	[7.7,10.4]	165,278	90.4	[88.9,91.7]	1,676,100	0.7	[0.4,1.1]
RACE-ETHNICITY								
White, Non-Hispanic	9.1	[8.0,10.4]	190,144	90.5	[89.2,91.6]	1,884,550	0.4	[0.2,0.7]
Black, Non-Hispanic	8.2	[6.5,10.4]	87,627	90.4	[88.0,92.3]	961,507	1.4	[0.7,2.7]
Hispanic	6.2	[2.8,13.1]	11,900	93.8	[86.9,97.2]	181,144	---	---
Other, Non-Hispanic	6.8	[3.7,12.4]	9,217	92.0	[86.3,95.5]	123,882	1.1	[0.3,4.4]
Don't know/No answer	9.0	[4.9,15.9]	9,263	86.1	[77.7,91.7]	89,030	4.9	[2.0,11.7]
EDUCATION								
Did not graduate HS	16.2	[12.5,20.7]	84,211	82.1	[77.4,85.9]	426,181	1.7	[0.8,3.7]
HS diploma/equivalent	10.6	[8.9,12.5]	127,561	88.8	[86.7,90.5]	1,070,126	0.7	[0.3,1.4]
Some college/2-year college degree	6.7	[5.4,8.2]	69,108	92.6	[91.0,94.0]	958,960	0.7	[0.3,1.6]
4-year college degree or higher	3.4	[2.6,4.4]	27,158	96.3	[95.3,97.2]	775,522	0.3	[0.1,0.8]
Don't know/No answer	1.0	[0.1,7.1]	113	72.3	[38.9,91.4]	8,480	26.8	[8.0,60.6]
HOUSEHOLD INCOME								
Less than \$25,000	17.9	[15.0,21.2]	123,117	80.7	[77.2,83.7]	555,857	1.5	[0.8,2.9]
\$25,000-\$49,999	9.3	[7.4,11.7]	71,489	89.9	[87.4,91.9]	690,719	0.8	[0.4,2.0]
\$50,000-\$74,999	4.4	[2.9,6.5]	17,536	94.6	[92.1,96.4]	377,785	1.0	[0.3,3.4]
\$75,000 or more	3.0	[1.8,5.1]	9,528	96.9	[94.8,98.2]	305,397	0.1	[0.0,0.5]
Don't know/No answer	6.2	[4.9,7.7]	86,480	93.2	[91.6,94.5]	1,310,356	0.6	[0.3,1.3]

7. Diabetes

Analysis of Section 7 ("Chronic Health Conditions") of the 2021 BRFSS Questionnaire

Diabetes is a chronic condition that affects how the body turns food into energy. People with diabetes are at greater risk for a range of health-related problems.

The share of Louisiana adults diagnosed with diabetes is 13.6%, which is slightly lower than the 2020 data. Diabetes incidences appear to be associated with age, race, and socio-economic status.

The data suggests, diabetes diagnoses for those under 44-years-old is not as likely as being diagnosed at 45-years-old or older. Only 3.8% of 18-24-year-old adult Louisiana residents have ever been diagnosed with diabetes, however, this number nearly doubles for 35-44-year-olds. 6.5% of 35-44-year-olds have been diagnosed with diabetes, and this number only increases as age increases, with 25.5% of adults 65-years-old and older having been diagnosed with diabetes.

Gender does not appear to be correlated with a diabetes diagnosis, as 13.4% of men have

been diagnosed, while 13.8% of women have been diagnosed as well. However, race and socio-economic factors do seem to correlate with diabetes. There is a 4.9% difference between White, Non-Hispanics (12.4%), and Black, Non-Hispanics (17.5%) diagnosed with diabetes. 11% of Hispanics have been diagnosed, while 5.8% of Other, Non-Hispanic adults have been told they have diabetes.

There is a marked difference regarding the least educated and most educated adults and diabetes diagnoses. 16.8% of adults Louisiana residents that did not graduate high school have been diagnosed with diabetes, while 9.6% of residents with a 4-year college degree or higher received the same diagnosis.

On average, Louisiana adults with diabetes were first diagnosed around 46 years of age (45.9). Hispanic adults with diabetes tended to be diagnosed earlier (30 years) than White adults (49.3 years).

Table 7A: Ever diagnosed with diabetes

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	13.6	[12.4,14.9]	486,568	86.1	[84.8,87.3]	3,080,649	0.3	[0.2,0.6]
AGE								
18-24	3.8	[1.2,11.8]	16,318	96.2	[88.2,98.8]	411,830	---	---
25-34	4.1	[2.3,7.3]	26,009	95.4	[92.2,97.4]	606,424	0.5	[0.1,1.9]
35-44	6.5	[4.4,9.5]	39,041	93.5	[90.5,95.6]	563,240	---	---
45-54	13.1	[10.6,16.0]	70,136	86.2	[83.3,88.7]	462,546	0.7	[0.3,1.9]
55-64	22.8	[19.8,26.3]	133,160	76.8	[73.3,79.9]	447,636	0.4	[0.1,2.5]
65 and over	25.5	[22.8,28.3]	201,904	74.3	[71.4,77.0]	588,973	0.2	[0.1,0.6]
GENDER								
Male	13.4	[11.6,15.3]	230,491	86.2	[84.2,88.0]	1,485,993	0.4	[0.2,1.0]
Female	13.8	[12.3,15.5]	256,077	86.0	[84.3,87.6]	1,594,657	0.2	[0.1,0.4]
RACE-ETHNICITY								
White, Non-Hispanic	12.4	[11.1,13.7]	257,299	87.5	[86.2,88.7]	1,822,580	0.1	[0.0,0.4]
Black, Non-Hispanic	17.5	[14.8,20.6]	186,148	82.3	[79.2,85.0]	875,460	0.2	[0.0,1.3]
Hispanic	11.0	[5.3,21.6]	21,237	88.6	[78.2,94.4]	171,026	0.4	[0.1,2.8]
Other, Non-Hispanic	5.8	[3.4,9.5]	7,765	92.8	[87.9,95.8]	124,933	1.4	[0.2,8.5]
Don't know/No answer	13.7	[8.4,21.4]	14,119	83.8	[75.5,89.7]	86,650	2.5	[0.8,7.8]
EDUCATION								
Did not graduate HS	16.8	[13.3,21.0]	87,310	82.5	[78.2,86.1]	428,449	0.7	[0.2,2.5]
HS diploma/equivalent	14.7	[12.5,17.4]	177,822	84.9	[82.3,87.2]	1,023,568	0.4	[0.1,1.0]
Some college/2-year college degree	13.7	[11.6,16.2]	142,316	86.2	[83.7,88.3]	892,009	0.1	[0.0,0.4]
4-year college degree or higher	9.6	[8.3,11.2]	77,548	90.4	[88.8,91.7]	727,369	---	---
Don't know/No answer	6.2	[0.8,34.4]	728	78.9	[46.7,94.1]	9,255	14.9	[3.1,49.4]
HOUSEHOLD INCOME								
Less than \$25,000	20.0	[16.6,23.9]	137,914	79.6	[75.7,83.0]	548,590	0.4	[0.1,1.6]
\$25,000-\$49,999	13.8	[11.6,16.3]	106,015	86.0	[83.5,88.2]	661,317	0.2	[0.0,1.0]
\$50,000-\$74,999	10.5	[8.1,13.5]	41,849	89.5	[86.5,91.9]	357,300	---	---
\$75,000 or more	10.5	[7.8,14.1]	33,191	89.5	[85.9,92.2]	281,974	---	---
Don't know/No answer	11.9	[10.1,14.0]	167,600	87.6	[85.5,89.5]	1,231,469	0.5	[0.2,1.1]

Table 7B: Age diagnosed with diabetes

	Years	
	Mean	95% CI
Total	45.9	[44.0, 47.9]
AGE		
18-24	17.4	[14.8, 20.0]
25-34	22.1	[17.2, 26.9]
35-44	32.7	[30.4, 34.9]
45-54	40.9	[38.8, 43.0]
55-64	46.2	[44.3, 48.1]
65 and over	57.1	[55.4, 58.9]
GENDER		
Male	46.5	[43.4, 49.7]
Female	45.4	[42.9, 47.9]
RACE-ETHNICITY		
White, Non-Hispanic	49.3	[47.6, 51.1]
Black, Non-Hispanic	43.2	[40.1, 46.3]
Hispanic	30.0	[18.0, 42.0]
Other, Non-Hispanic	43.4	[36.5, 50.3]
Don't know/No answer	47.3	[33.9, 60.7]
EDUCATION		
Did not graduate HS	49.8	[46.1, 53.5]
HS diploma/equivalent	45.4	[41.4, 49.4]
Some college/2-year college degree	44.3	[41.0, 47.7]
4-year college degree or higher	46.2	[43.3, 49.2]
Don't know/No answer	---	---
HOUSEHOLD INCOME		
Less than \$25,000	43.5	[39.0, 47.9]
\$25,000-\$49,999	47.1	[44.3, 49.9]
\$50,000-\$74,999	50.2	[45.9, 54.4]
\$75,000 or more	50.6	[46.4, 54.8]
Don't know/No answer	45.2	[41.7, 48.7]

8. Other Chronic Conditions

Analysis of Section 7 ("Chronic Health Conditions") of the 2021 BRFSS Questionnaire

The Behavioral Risk Factor Surveillance System also tracks the prevalence of other conditions and diseases, such as cardiovascular conditions, cancers, depressive disorders, and kidney disease.

CARDIOVASCULAR CONDITIONS

Cardiovascular conditions refer to myocardial infarctions (heart attacks), strokes and diseases of the heart, such as coronary heart disease.

Overall, 4.6% of Louisiana adults report that they have had a heart attack or myocardial infarction, which matches the 2020 data. It is extremely rare for adults under 44-years of age to have a heart attack, with the largest share of heart attacks being from adults 65-years-old or older (11.5%). Men (5.4%) more than women (3.8%) reported having been diagnosed with a myocardial infarction. Myocardial infarctions also are more prevalent among White, Non-Hispanics (4.6%), and Black, Non-Hispanics (5.1%). As seen with other conditions, socio-economic factors, appear to be correlated with this diagnosis too. 7.8% of those who did not finish high school have been diagnosed with a myocardial infarction, while only 2% of those with a 4-year college degree or higher have suffered from a heart attack. Similarly, those in the lowest income bracket (7.5%) have been diagnosed with a heart attack more than those in the highest income bracket (3%)

4.5% of adult Louisiana residents report being diagnosed with angina or coronary heart disease. Like heart attacks, having angina or coronary heart disease is linked with higher age groups, with those 65-years-old or older being the largest share of adults with these conditions (12.3%). Men (5%), report this diagnosis more than women (4%). There is slight variation among race-ethnicity, with 5.3% of those diagnosed with angina or

coronary heart disease, report being White, Non-Hispanics, while the next largest group with the diagnosis are Black, Non-Hispanics (3.5%). As seen previously, as educational attainment increases, diagnoses decrease. This is generally the case for household income as well, but there is slight variation to in the cases of angina or coronary heart disease. While there is a decline of diagnoses with the increases of household income, there this is not the case for those with a reported income of \$50,000-74,999 and \$75,000 and higher. The data shows those with a household income of \$50,000-\$74,999 report a lower share (34%), than those with a household income of \$75,000 and higher (4.4%).

STROKE

Showing a slight increase compared to 2020, 4.5% of adult Louisiana residents self-report being diagnosed with a stroke. Having a stroke is rare under 55-years of age. More men (4.7%) reported having a stroke, compared to women (4.3%). Black, Non-Hispanics (6.1) are among the largest share of those diagnosed with a stroke. Education and household income are disproportionately related to a stroke diagnosis. Specifically, there is a decline in stroke diagnoses as education increases, especially when comparing those who did not finish high school (7%), and those with a 4-year college degree or higher (2.6). A similar trend is seen with household income.

SKIN CANCER AND OTHER TYPES OF CANCER

In Louisiana, the share of adults ever diagnosed with skin cancer is 5.3%, and the share ever diagnosed with other forms of cancer is 8.0%.

Skin cancer and other forms of cancer related to age. As age increases, reports of ever being diagnosed with skin cancer, and other forms of cancer also increased. As shown in Table 8E, less than 1% of Louisiana adults between 18-24-years of age report being diagnosed with other forms of cancer, while 18.5% of adults 65-years-old and older report the diagnosis. Skin cancer diagnoses among Black, Non-Hispanics (0.5%) is rare, while White, Non-Hispanics (8.4%) maintain the largest share of skin cancer diagnoses. White, Non-Hispanics also maintain the largest share of diagnoses for other forms of cancer (9.7%), however the difference among other racial-ethnic groups is not as large.

There is variation at socio-economic demographics. For skin cancer, it appears as educational attainment increases, skin cancer diagnoses also increases. For instance, 2.9% of residents reports a skin cancer diagnosis did not finish high school, while 6.6% of residents with a skin cancer diagnosis achieved a 4-year college degree or higher. This is also true for household income. As income increased shares of a skin cancer diagnosis also increased. However, for other forms of cancer, education and household income are not clearly correlated. There is not a clear directional relationship between the demographic variables and diagnoses.

DEPRESSIVE DISORDER

Not quite one-fourth (24.4%) of Louisiana adults have been diagnosed with a depressive disorder, which is slightly higher than the 2020 data. There is not a clear correlation between age and diagnosis of a depressive disorder, but younger adults report a depressive disorder more than other adults. The largest share of diagnoses is among 25-34-year-olds at 29.3%, while the smallest share of adults with a depressive disorder are among our oldest population, 65-years and older. However, there is a clear correlation with gender and self-reports of a depressive disorder. Of adults reporting this diagnosis, 30.6% are women, while 17.7% are men.

Among racial-ethnic groups, White, Non-Hispanics (26.3%) and Other, Non-Hispanics (27%) are among the largest shares of residents reporting a depressive disorder diagnosis. There are clear correlations between socio-economic factors and a depressive disorder diagnosis. Specifically, as educational attainment increases, depressive disorder diagnoses decrease. For example, of the adults reporting a depressive diagnosis, 29.2% did not finish high school, while 21.8% have a 4-year college degree or more. The same trend is seen with household income, as household income increases, reports of a depressive disorder decreases. 34.5% of diagnoses have a household income of less than \$25,000, while 18.8% of diagnoses have a household income of \$75,000 or more.

KIDNEY DISEASE

Kidney disease is a relatively rare though serious condition. In Louisiana, 3.5% of adults have been diagnosed with kidney disease.

Kidney disease is correlated with age and socio-economic factors. Young adults are rarely diagnosed with kidney disease. Less than 1% of adults younger than 35-years of age report a kidney disease diagnosis. Women (3.9%) more than men (3.1%) have been diagnosed with the disease. Like seen with many other conditions, as education increases, diagnoses decrease. Specifically, the data shows 5.6% of adults with kidney disease did not finish high school, while the diagnoses decrease to 2.1% for those with a 4-year college degree or higher. Moreover, the same decrease in diagnoses occurs as household income increases. 7.1% of adults with kidney disease in Louisiana report a household income of less than \$25,000, while only 1.3% of diagnoses are residents with a reported income of \$75,000 or more.

Table 8A: Ever diagnosed with heart attack

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	4.6	[4.0,5.3]	163,999	94.6	[93.8,95.3]	3,385,352	0.8	[0.5,1.3]
AGE								
18-24	0.5	[0.1,2.1]	2,304	99.5	[97.9,99.9]	425,844	---	---
25-34	0.5	[0.1,1.5]	3,013	98.0	[94.8,99.2]	622,411	1.6	[0.5,5.1]
35-44	1.4	[0.6,3.3]	8,234	98.4	[96.4,99.3]	592,657	0.2	[0.0,1.6]
45-54	3.6	[2.3,5.6]	19,453	95.8	[93.7,97.2]	513,792	0.6	[0.2,1.6]
55-64	6.9	[5.2,9.1]	40,116	92.0	[89.6,93.8]	536,207	1.1	[0.5,2.4]
65 and over	11.5	[9.5,13.7]	90,879	87.6	[85.3,89.6]	694,442	0.9	[0.5,1.8]
GENDER								
Male	5.4	[4.5,6.6]	93,870	93.4	[92.0,94.5]	1,609,567	1.2	[0.6,2.3]
Female	3.8	[3.0,4.8]	70,130	95.8	[94.8,96.6]	1,775,785	0.4	[0.2,0.8]
RACE-ETHNICITY								
White, Non-Hispanic	4.6	[3.9,5.5]	95,894	94.8	[93.9,95.6]	1,975,579	0.6	[0.3,1.0]
Black, Non-Hispanic	5.1	[3.7,6.9]	53,778	93.8	[91.6,95.5]	998,166	1.1	[0.4,3.1]
Hispanic	1.3	[0.5,3.3]	2,482	98.4	[96.2,99.3]	189,902	0.3	[0.0,2.4]
Other, Non-Hispanic	1.6	[0.8,3.1]	2,112	97.7	[95.1,99.0]	131,529	0.7	[0.1,4.9]
Don't know/No answer	9.4	[5.1,16.7]	9,734	87.2	[79.4,92.4]	90,176	3.4	[1.3,8.3]
EDUCATION								
Did not graduate HS	7.8	[5.4,11.3]	1,975,579	90.8	[87.2,93.4]	471,383	1.4	[0.7,2.8]
HS diploma/equivalent	4.2	[3.3,5.4]	998,166	94.7	[93.1,96.0]	1,141,911	1.1	[0.4,2.8]
Some college/2-year college degree	5.4	[4.2,6.8]	189,902	94.3	[92.8,95.4]	975,904	0.4	[0.2,0.8]
4-year college degree or higher	2.0	[1.5,2.6]	131,529	97.9	[97.2,98.4]	787,770	0.2	[0.0,0.6]
Don't know/No answer	7.9	[1.5,32.7]	90,176	64.3	[33.2,86.7]	7,539	27.8	[8.6,61.1]
HOUSEHOLD INCOME								
Less than \$25,000	7.5	[5.6,9.8]	51,354	91.1	[88.6,93.1]	627,617	1.5	[0.8,2.7]
\$25,000-\$49,999	4.6	[3.4,6.3]	35,432	95.3	[93.6,96.6]	732,939	0.0	[0.0,0.1]
\$50,000-\$74,999	4.5	[3.0,6.8]	18,156	95.4	[93.1,96.9]	380,632	0.1	[0.0,0.6]
\$75,000 or more	3.0	[1.7,5.3]	9,577	97.0	[94.7,98.3]	305,587	---	---
Don't know/No answer	3.5	[2.7,4.6]	49,480	95.2	[93.7,96.4]	1,338,577	1.3	[0.6,2.6]

Table 8B: Ever diagnosed with angina or coronary heart disease

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	4.5	[3.9,5.2]	161,361	94.4	[93.6,95.1]	3,377,572	1.1	[0.8,1.6]
AGE								
18-24	---	---	---	99.4	[96.2,99.9]	425,765	0.6	[0.1,3.8]
25-34	0.3	[0.1,1.1]	1,723	99.3	[98.2,99.8]	631,183	0.4	[0.1,1.6]
35-44	0.8	[0.4,1.9]	4,987	98.8	[97.4,99.4]	594,817	0.4	[0.1,1.9]
45-54	4.1	[2.7,6.4]	22,185	94.9	[92.4,96.6]	509,254	1.0	[0.3,2.8]
55-64	6.1	[4.5,8.1]	35,319	91.5	[89.1,93.5]	533,594	2.4	[1.4,4.2]
65 and over	12.3	[10.3,14.6]	97,146	86.2	[83.7,88.3]	682,959	1.6	[0.9,2.9]
GENDER								
Male	5.0	[4.2,6.1]	86,673	93.9	[92.7,94.9]	1,618,413	1.1	[0.7,1.8]
Female	4.0	[3.2,5.0]	74,689	94.9	[93.7,95.8]	1,759,159	1.1	[0.7,1.8]
RACE-ETHNICITY								
White, Non-Hispanic	5.3	[4.5,6.2]	110,174	93.8	[92.8,94.7]	1,954,322	0.9	[0.6,1.4]
Black, Non-Hispanic	3.5	[2.4,5.1]	37,642	94.9	[93.0,96.3]	1,009,764	1.6	[0.8,2.9]
Hispanic	2.2	[1.0,4.7]	4,178	97.5	[94.8,98.8]	188,171	0.4	[0.1,2.1]
Other, Non-Hispanic	1.4	[0.5,4.0]	1,842	98.4	[95.8,99.4]	132,472	0.2	[0.0,1.6]
Don't know/No answer	7.3	[3.9,13.2]	7,525	89.8	[83.0,94.1]	92,843	2.9	[1.0,8.1]
EDUCATION								
Did not graduate HS	6.6	[4.3,9.9]	34,258	90.4	[86.5,93.2]	469,487	3.0	[1.6,5.7]
HS diploma/equivalent	4.9	[3.9,6.2]	58,983	94.0	[92.5,95.2]	1,133,079	1.1	[0.6,2.1]
Some college/2-year college degree	4.6	[3.6,5.9]	47,891	94.8	[93.4,95.8]	981,080	0.6	[0.3,1.1]
4-year college degree or higher	2.4	[1.8,3.1]	19,299	97.4	[96.7,98.0]	784,029	0.2	[0.1,0.5]
Don't know/No answer	7.9	[1.5,32.7]	931	77.1	[45.8,93.1]	9,052	14.9	[3.1,49.4]
HOUSEHOLD INCOME								
Less than \$25,000	8.2	[6.3,10.5]	51,354	89.9	[87.3,92.1]	627,617	1.9	[1.0,3.6]
\$25,000-\$49,999	4.6	[3.3,6.3]	35,432	94.8	[93.0,96.2]	732,939	0.6	[0.2,1.5]
\$50,000-\$74,999	3.4	[2.1,5.3]	18,156	96.4	[94.4,97.7]	380,632	0.2	[0.0,1.3]
\$75,000 or more	4.4	[2.8,6.7]	9,577	95.6	[93.2,97.1]	305,587	0.1	[0.0,0.5]
Don't know/No answer	3.0	[2.3,4.0]	49,480	95.5	[94.3,96.5]	1,338,577	1.4	[0.9,2.4]

Table 8C: Ever diagnosed with stroke

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	4.5	[3.8,5.4]	161,633	95.1	[94.2,95.8]	3,401,111	0.4	[0.2,0.8]
AGE								
18-24	2.3	[0.4,10.8]	9,673	97.7	[89.2,99.6]	418,475	---	---
25-34	0.6	[0.2,1.7]	4,108	98.6	[96.3,99.5]	626,321	0.8	[0.2,3.7]
35-44	1.1	[0.4,2.8]	6,716	98.3	[96.3,99.2]	592,061	0.6	[0.1,2.3]
45-54	3.1	[2.0,4.8]	16,570	96.4	[94.6,97.6]	517,111	0.5	[0.2,1.6]
55-64	8.6	[6.6,11.2]	50,249	91.1	[88.5,93.2]	531,165	0.3	[0.0,1.8]
65 and over	9.4	[7.6,11.4]	74,317	90.3	[88.3,92.1]	715,978	0.3	[0.1,0.7]
GENDER								
Male	4.7	[3.6,6.2]	81,130	94.5	[92.9,95.8]	1,629,517	0.8	[0.4,1.7]
Female	4.3	[3.5,5.3]	80,503	95.6	[94.6,96.4]	1,771,594	0.1	[0.0,0.3]
RACE-ETHNICITY								
White, Non-Hispanic	3.6	[2.9,4.4]	74,843	96.0	[95.2,96.7]	2,000,535	0.4	[0.2,0.8]
Black, Non-Hispanic	6.1	[4.7,7.9]	64,923	93.7	[91.9,95.2]	997,433	0.2	[0.0,1.1]
Hispanic	1.9	[0.7,4.7]	3,659	98.1	[95.3,99.3]	189,385	---	---
Other, Non-Hispanic	3.7	[1.5,8.8]	4,948	96.3	[91.2,98.5]	129,665	---	---
Don't know/No answer	12.8	[4.1,33.7]	13,261	81.3	[62.4,92.0]	84,093	5.8	[1.6,19.6]
EDUCATION								
Did not graduate HS	7.0	[4.8,10.2]	36,484	91.2	[87.5,93.9]	473,587	1.8	[0.6,4.9]
HS diploma/equivalent	4.8	[3.4,6.7]	57,644	95.0	[93.0,96.4]	1,145,405	0.2	[0.1,0.6]
Some college/2-year college degree	4.5	[3.4,5.9]	46,187	95.4	[94.0,96.5]	987,787	0.1	[0.0,0.4]
4-year college degree or higher	2.6	[2.0,3.5]	21,318	97.3	[96.5,98.0]	783,504	0.0	[0.0,0.1]
Don't know/No answer	---	---	---	85.1	[50.6,96.9]	9,983	14.9	[3.1,49.4]
HOUSEHOLD INCOME								
Less than \$25,000	8.2	[6.4,10.5]	56,533	91.1	[88.7,93.1]	628,176	0.7	[0.2,2.0]
\$25,000-\$49,999	4.7	[3.5,6.4]	36,414	94.7	[92.7,96.2]	728,085	0.5	[0.1,3.2]
\$50,000-\$74,999	2.6	[1.5,4.4]	10,228	97.4	[95.6,98.5]	388,921	---	---
\$75,000 or more	3.8	[2.0,7.3]	12,096	96.2	[92.7,98.0]	303,068	---	---
Don't know/No answer	3.3	[2.2,5.0]	46,362	96.2	[94.5,97.4]	1,352,861	0.5	[0.2,1.0]

Table 8D: Ever diagnosed with skin cancer

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	5.3	[4.7,6.0]	190,412	94.4	[93.6,95.0]	3,376,051	0.3	[0.2,0.6]
AGE								
18-24	1.5	[0.6,3.7]	6,320	98.1	[95.6,99.2]	420,010	0.4	[0.1,3.0]
25-34	0.4	[0.1,1.5]	2,844	99.6	[98.5,99.9]	632,588	---	---
35-44	1.3	[0.8,2.3]	7,990	98.5	[97.5,99.1]	593,388	0.1	[0.0,0.7]
45-54	3.1	[1.9,4.8]	16,429	96.5	[94.6,97.7]	517,720	0.4	[0.1,1.6]
55-64	7.6	[5.8,9.8]	44,225	91.9	[89.5,93.7]	535,396	0.6	[0.2,2.1]
65 and over	14.2	[12.4,16.3]	112,604	85.4	[83.3,87.3]	676,950	0.4	[0.2,0.9]
GENDER								
Male	6.3	[5.4,7.5]	109,230	93.4	[92.2,94.4]	1,610,228	0.3	[0.1,0.7]
Female	4.4	[3.7,5.2]	81,182	95.3	[94.4,96.0]	1,765,823	0.4	[0.2,0.8]
RACE-ETHNICITY								
White, Non-Hispanic	8.4	[7.4,9.5]	174,754	91.3	[90.2,92.3]	1,901,562	0.3	[0.1,0.7]
Black, Non-Hispanic	0.5	[0.2,1.1]	5,185	99.4	[98.8,99.7]	1,057,780	0.1	[0.0,0.7]
Hispanic	3.2	[1.3,7.7]	6,216	96.8	[92.3,98.7]	186,828	---	---
Other, Non-Hispanic	1.0	[0.4,2.5]	1,362	97.4	[92.5,99.1]	131,142	1.6	[0.3,8.2]
Don't know/No answer	2.8	[1.1,6.8]	2,895	95.5	[90.1,98.0]	98,740	1.7	[0.3,7.8]
EDUCATION								
Did not graduate HS	2.9	[1.7,5.2]	15,268	96.8	[94.5,98.1]	502,526	0.3	[0.1,1.2]
HS diploma/equivalent	5.4	[4.3,6.8]	65,436	94.2	[92.8,95.4]	1,135,682	0.4	[0.1,1.1]
Some college/2-year college degree	5.4	[4.4,6.7]	55,992	94.4	[93.0,95.5]	976,945	0.2	[0.0,1.1]
4-year college degree or higher	6.6	[5.5,7.9]	53,186	93.3	[92.0,94.3]	750,600	0.1	[0.1,0.4]
Don't know/No answer	4.5	[0.8,21.1]	531	80.6	[49.2,94.7]	9,452	14.9	[3.1,49.4]
HOUSEHOLD INCOME								
Less than \$25,000	4.0	[2.9,5.6]	27,762	95.3	[93.6,96.6]	656,703	0.7	[0.3,1.8]
\$25,000-\$49,999	5.3	[4.1,6.9]	41,007	94.5	[93.0,95.8]	726,773	0.1	[0.0,0.7]
\$50,000-\$74,999	5.2	[3.6,7.6]	20,912	94.7	[92.3,96.3]	377,912	0.1	[0.0,0.6]
\$75,000 or more	7.3	[5.0,10.6]	23,078	92.1	[88.5,94.6]	290,115	0.6	[0.1,3.7]
Don't know/No answer	5.5	[4.6,6.6]	77,653	94.2	[93.1,95.2]	1,324,547	0.2	[0.1,0.7]

Table 8E: Ever diagnosed with other form of cancer								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	8.0	[7.2,8.9]	287,438	91.6	[90.7,92.5]	3,277,570	0.4	[0.2,0.6]
AGE								
18-24	0.5	[0.1,1.9]	1,994	99.2	[97.5,99.7]	424,708	0.3	[0.0,2.4]
25-34	2.6	[1.4,4.7]	16,268	97.4	[95.3,98.6]	619,164	---	---
35-44	4.2	[2.7,6.4]	25,209	95.3	[93.0,96.8]	573,736	0.6	[0.2,1.5]
45-54	7.0	[5.3,9.3]	37,614	92.7	[90.3,94.5]	497,177	0.3	[0.1,1.6]
55-64	10.3	[8.2,12.8]	59,898	89.3	[86.7,91.5]	520,666	0.4	[0.1,1.4]
65 and over	18.5	[16.1,21.1]	146,456	81.0	[78.4,83.4]	642,119	0.5	[0.2,1.1]
GENDER								
Male	6.0	[5.0,7.1]	103,300	93.6	[92.4,94.6]	1,613,587	0.4	[0.2,0.8]
Female	9.9	[8.7,11.4]	184,138	89.8	[88.3,91.0]	1,663,983	0.3	[0.1,0.7]
RACE-ETHNICITY								
White, Non-Hispanic	9.7	[8.6,11.0]	202,783	89.9	[88.6,91.1]	1,872,240	0.4	[0.2,0.8]
Black, Non-Hispanic	5.6	[4.3,7.2]	59,623	94.3	[92.6,95.6]	1,002,967	0.1	[0.0,0.5]
Hispanic	5.7	[3.2,9.9]	10,961	94.3	[90.1,96.8]	182,083	---	---
Other, Non-Hispanic	3.4	[1.7,6.6]	4,553	95.9	[92.7,97.8]	129,161	0.7	[0.2,2.1]
Don't know/No answer	9.2	[5.1,16.2]	9,517	88.1	[80.5,93.0]	91,120	2.7	[0.8,8.1]
EDUCATION								
Did not graduate HS	7.8	[5.3,11.2]	40,397	91.9	[88.5,94.4]	477,262	0.3	[0.1,1.6]
HS diploma/equivalent	8.9	[7.4,10.7]	107,296	90.6	[88.8,92.1]	1,092,112	0.5	[0.3,1.1]
Some college/2-year college degree	7.2	[5.9,8.8]	74,504	92.6	[91.0,94.0]	958,865	0.2	[0.0,0.8]
4-year college degree or higher	8.0	[6.7,9.5]	64,424	91.9	[90.3,93.2]	739,322	0.1	[0.1,0.4]
Don't know/No answer	7.0	[0.9,37.3]	818	78.1	[45.8,93.8]	9,165	14.9	[3.1,49.4]
HOUSEHOLD INCOME								
Less than \$25,000	10.1	[8.1,12.6]	69,846	89.2	[86.7,91.3]	614,808	0.7	[0.3,1.6]
\$25,000-\$49,999	7.4	[5.9,9.4]	57,245	92.2	[90.2,93.8]	708,666	0.4	[0.1,1.2]
\$50,000-\$74,999	8.4	[6.1,11.6]	33,603	91.6	[88.4,93.9]	365,546	---	---
\$75,000 or more	8.2	[5.8,11.3]	25,726	91.6	[88.4,94.0]	288,677	0.2	[0.0,1.7]
Don't know/No answer	7.2	[5.9,8.7]	101,018	92.5	[91.0,93.7]	1,299,872	0.3	[0.2,0.7]

Table 8F: Ever diagnosed with a depressive disorder

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	24.4	[22.8,26.0]	873,239	75.0	[73.4,76.6]	2,684,830	0.6	[0.4,0.9]
AGE								
18-24	28.5	[22.3,35.6]	122,002	71.4	[64.3,77.6]	305,655	0.1	[0.0,0.8]
25-34	29.3	[24.9,34.3]	186,464	70.6	[65.6,75.0]	448,333	0.1	[0.0,0.7]
35-44	27.0	[23.3,31.0]	162,523	72.1	[68.0,75.8]	434,053	0.9	[0.4,2.3]
45-54	22.3	[19.2,25.8]	119,843	77.0	[73.5,80.2]	413,342	0.6	[0.2,1.7]
55-64	24.1	[21.1,27.5]	140,717	75.3	[71.9,78.4]	438,757	0.6	[0.2,2.0]
65 and over	17.9	[15.6,20.4]	141,690	81.3	[78.8,83.6]	644,690	0.8	[0.4,1.7]
GENDER								
Male	17.7	[15.7,20.0]	305,850	81.7	[79.4,83.8]	1,407,997	0.6	[0.3,1.1]
Female	30.6	[28.3,33.0]	567,389	68.9	[66.5,71.1]	1,276,833	0.5	[0.3,1.0]
RACE-ETHNICITY								
White, Non-Hispanic	26.3	[24.4,28.2]	547,133	73.2	[71.3,75.1]	1,525,067	0.5	[0.3,0.9]
Black, Non-Hispanic	21.3	[18.0,24.9]	226,099	78.3	[74.6,81.5]	832,656	0.5	[0.2,1.4]
Hispanic	21.8	[15.1,30.3]	42,061	78.2	[69.7,84.9]	150,983	---	---
Other, Non-Hispanic	27.0	[19.8,35.5]	36,296	72.6	[64.0,79.7]	97,680	0.5	[0.1,1.6]
Don't know/No answer	20.9	[12.8,32.4]	21,650	75.9	[64.4,84.5]	78,443	3.2	[1.2,8.4]
EDUCATION								
Did not graduate HS	29.2	[24.1,34.8]	151,529	69.8	[64.1,75.0]	362,641	1.0	[0.3,2.8]
HS diploma/equivalent	23.7	[21.0,26.7]	286,360	75.9	[72.9,78.7]	915,362	0.3	[0.1,0.9]
Some college/2-year college degree	24.9	[22.0,28.1]	258,244	74.5	[71.4,77.4]	771,571	0.5	[0.3,1.1]
4-year college degree or higher	21.8	[19.6,24.3]	175,846	77.9	[75.5,80.2]	627,410	0.2	[0.1,0.6]
Don't know/No answer	10.7	[2.6,35.3]	1,261	59.7	[29.7,83.8]	7,002	29.6	[9.7,62.2]
HOUSEHOLD INCOME								
Less than \$25,000	34.5	[30.4,38.8]	237,700	64.2	[59.8,68.4]	442,632	1.3	[0.6,2.8]
\$25,000-\$49,999	25.3	[22.1,28.8]	194,334	74.3	[70.8,77.6]	571,402	0.4	[0.1,1.1]
\$50,000-\$74,999	22.4	[18.2,27.3]	89,472	77.6	[72.7,81.8]	309,677	---	---
\$75,000 or more	18.8	[14.7,23.7]	59,151	81.0	[76.1,85.1]	255,379	0.2	[0.0,0.8]
Don't know/No answer	20.8	[18.4,23.4]	292,582	78.7	[76.0,81.1]	1,105,740	0.5	[0.3,1.0]

Table 8G: Ever diagnosed with kidney disease

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	3.5	[3.0,4.2]	126,406	96.2	[95.5,96.8]	3,440,917	0.3	[0.2,0.5]
AGE								
18-24	---	---	---	100.0	---	428,148	---	---
25-34	0.5	[0.1,1.6]	3,040	99.5	[98.4,99.9]	632,392	---	---
35-44	2.0	[1.1,3.7]	11,942	97.7	[95.9,98.7]	588,538	0.3	[0.0,2.1]
45-54	1.6	[0.9,2.7]	8,496	97.5	[96.0,98.4]	522,861	1.0	[0.4,2.1]
55-64	4.1	[2.8,6.0]	23,819	95.7	[93.8,97.1]	557,975	0.2	[0.1,0.5]
65 and over	10.0	[8.1,12.3]	79,110	89.7	[87.4,91.6]	711,002	0.3	[0.1,0.7]
GENDER								
Male	3.1	[2.4,4.1]	53,543	96.7	[95.8,97.5]	1,667,621	0.2	[0.1,0.5]
Female	3.9	[3.1,4.9]	72,864	95.7	[94.6,96.5]	1,773,295	0.4	[0.2,0.8]
RACE-ETHNICITY								
White, Non-Hispanic	3.4	[2.8,4.2]	71,344	96.3	[95.5,97.0]	2,006,618	0.2	[0.1,0.5]
Black, Non-Hispanic	4.7	[3.4,6.4]	49,790	95.1	[93.3,96.4]	1,011,682	0.2	[0.1,1.0]
Hispanic	1.0	[0.3,3.0]	1,857	98.7	[96.6,99.5]	190,591	0.3	[0.0,2.2]
Other, Non-Hispanic	0.9	[0.3,2.2]	1,171	98.9	[97.3,99.5]	133,087	0.3	[0.0,1.9]
Don't know/No answer	2.2	[0.7,6.8]	2,244	95.7	[89.9,98.2]	98,939	2.1	[0.6,7.7]
EDUCATION								
Did not graduate HS	5.6	[3.5,8.8]	28,920	93.9	[90.7,96.1]	487,878	0.5	[0.2,1.3]
HS diploma/equivalent	4.2	[3.2,5.4]	50,101	95.6	[94.2,96.6]	1,152,333	0.3	[0.1,0.9]
Some college/2-year college degree	2.9	[2.1,4.0]	30,482	96.8	[95.7,97.7]	1,002,695	0.2	[0.1,0.5]
4-year college degree or higher	2.1	[1.6,2.8]	16,903	97.8	[97.1,98.4]	787,513	0.1	[0.0,0.2]
Don't know/No answer	---	---	---	82.3	[50.0,95.6]	9,653	17.7	[4.4,50.0]
HOUSEHOLD INCOME								
Less than \$25,000	7.1	[5.3,9.5]	49,079	92.4	[90.0,94.3]	636,922	0.5	[0.2,1.1]
\$25,000-\$49,999	3.5	[2.5,4.9]	26,893	96.3	[94.8,97.3]	740,009	0.2	[0.1,0.8]
\$50,000-\$74,999	2.0	[1.0,4.0]	8,164	98.0	[96.0,99.0]	390,986	---	---
\$75,000 or more	1.3	[0.6,2.7]	3,984	98.7	[97.3,99.4]	311,180	---	---
Don't know/No answer	2.7	[2.0,3.7]	38,286	96.9	[95.8,97.7]	1,361,820	0.4	[0.2,0.9]

9. Arthritis

Analysis of Section 8 ("Chronic Health Conditions") of the 2021 BRFSS Questionnaire

More than one-fourth (29.3%) of Louisiana adults have been diagnosed with arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. The 2021 data shows a slight increase from the 2020 responses, in which 27.2% of Louisiana adults had been diagnosed with arthritis.

Arthritis is strongly associated with age. As age increases, arthritis diagnoses increase as well. Only 8.2% of 18-24-year-olds have been diagnosed with arthritis, while 54.1% of adults 65-years-old, or older have been diagnosed with the health condition.

There is some variation in diagnoses regarding gender and racial-ethnic groups. 25.7% of men have been diagnosed with arthritis, while 32.6% of women have been diagnosed with arthritis. White, Non-Hispanics (30.7%), and Black, Non-Hispanics (29.7%) are among the largest shares of groups diagnosed with arthritis.

Like other conditions, arthritis tends to affect the less educated and less wealthy. As education increases, arthritis diagnoses decrease. The same pattern holds for household income. Those with a reported household income of \$less than \$25,000 (41.7%), have a higher diagnosis share, compared to those with an income of \$75,000, or more (24.4%)

Table 9: Diagnosed with arthritis

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	29.3	[27.7,30.9]	1,046,601	70.0	[68.4,71.6]	2,505,664	0.7	[0.5,1.1]
AGE								
18-24	8.2	[4.4,14.8]	35,062	91.3	[84.8,95.2]	390,900	0.5	[0.1,2.1]
25-34	6.6	[4.7,9.4]	42,227	92.6	[89.7,94.7]	588,337	0.8	[0.2,2.5]
35-44	19.4	[16.0,23.3]	116,769	80.3	[76.4,83.7]	483,746	0.3	[0.1,1.6]
45-54	31.9	[28.2,35.8]	171,129	67.2	[63.3,70.9]	360,596	0.9	[0.4,2.1]
55-64	43.4	[39.6,47.2]	252,950	55.8	[52.0,59.6]	325,248	0.8	[0.4,1.6]
65 and over	54.1	[50.9,57.2]	428,462	45.0	[41.9,48.2]	356,835	0.9	[0.5,1.6]
GENDER								
Male	25.7	[23.5,28.0]	442,602	73.6	[71.3,75.9]	1,269,463	0.7	[0.4,1.2]
Female	32.6	[30.4,34.9]	603,999	66.7	[64.4,68.9]	1,236,200	0.7	[0.4,1.2]
RACE-ETHNICITY								
White, Non-Hispanic	30.7	[28.9,32.7]	640,294	68.7	[66.7,70.5]	1,429,961	0.6	[0.4,1.1]
Black, Non-Hispanic	29.7	[26.4,33.2]	315,858	69.5	[66.0,72.8]	739,391	0.8	[0.4,1.6]
Hispanic	15.1	[9.6,22.8]	29,097	84.9	[77.2,90.4]	163,947	---	---
Other, Non-Hispanic	22.8	[16.6,30.4]	30,679	76.2	[68.5,82.5]	102,592	1.0	[0.2,4.8]
Don't know/No answer	29.7	[18.3,44.3]	30,672	67.5	[53.3,79.1]	69,773	2.8	[1.0,8.0]
EDUCATION								
Did not graduate HS	43.1	[37.3,49.1]	224,006	55.8	[49.8,61.7]	290,026	1.0	[0.3,3.1]
HS diploma/equivalent	30.6	[27.8,33.6]	369,170	68.7	[65.6,71.5]	827,879	0.7	[0.4,1.4]
Some college/2-year college degree	25.7	[23.0,28.6]	265,870	73.7	[70.8,76.4]	762,756	0.7	[0.4,1.2]
4-year college degree or higher	23.0	[20.9,25.3]	185,044	76.7	[74.4,78.8]	617,016	0.4	[0.2,0.8]
Don't know/No answer	14.2	[4.2,38.6]	1,665	68.1	[38.5,87.9]	7,987	17.7	[4.4,50.0]
HOUSEHOLD INCOME								
Less than \$25,000	41.7	[37.4,46.1]	287,506	57.2	[52.8,61.5]	394,379	1.1	[0.5,2.1]
\$25,000-\$49,999	29.4	[26.2,32.9]	226,336	70.2	[66.8,73.5]	539,924	0.3	[0.1,0.9]
\$50,000-\$74,999	27.4	[23.3,31.9]	109,221	72.1	[67.6,76.2]	287,847	0.5	[0.2,1.5]
\$75,000 or more	24.4	[19.9,29.6]	76,999	75.3	[70.2,79.9]	237,435	0.2	[0.0,1.1]
Don't know/No answer	24.7	[22.2,27.3]	346,538	74.4	[71.8,76.9]	1,046,077	0.9	[0.5,1.7]

10. Obesity

Analysis of Section 9 ("Demographics") of the 2021 BRFSS Questionnaire)

Obesity and *overweight* are both terms used to identify ranges of weight that are greater than what is considered healthy for a given height and gender. The terms are also used to be indicators of health risks.

For adults, *overweight* and *obesity* ranges are determined by using weight and height to calculate a number called the "body mass index" (BMI). An adult who has a BMI between 18.5 and 24.9 is considered *normal weight*, 25 and 29.9 is considered *overweight*, and a BMI of 30 or higher is considered *obese*. Age is correlated with being *neither overweight nor obese*. As age increases, the share of adults being neither overweight nor obese, decreases.

In Louisiana, 32.4% of adults are *overweight*, while 38.6% of residents are *obese*. Being beyond normal weight, appears correlated with gender, race, and socioeconomic demographics. In general, for both the *overweight* and *obese* categories, the smallest share being *overweight* or *obese* are those 18-24-years-old. Interestingly, being *overweight* and *obese* is correlated with gender, but the gender varies with the condition. Specifically, men (36.2%) report a height and weight contributed to being *overweight*, while a smaller share of women (28.7%) are *overweight*. Conversely, more women (41.2%) are *obese*, compared to men (36%). A similar trend is seen with race. Specifically,

Black, Non-Hispanics (29.4%) are among the smallest share of adults *overweight*, but are among the largest group (45.2%) of *obese* adults.

Education is correlated with being *overweight*, and *obese*. As education increases, shares of *overweight* adults increases. For example, of those *overweight*, 27.7% did not finish high school, while 35% have a 4-year college degree or higher. The opposite is seen for education and obesity. As education increases, obesity decreases. For example, of the *obese* Louisiana adults, 41.8% did not finish high school, while 34.4% have a 4-year college degree or higher. Beyond education, household income is also correlated with being *overweight* or *obese*. Like education, we see the same pattern---as household income increases, shares of being *overweight* grows. Specifically, of *overweight* residents, 27.1% report a household income of less than \$25,000, while 39.6% report a household income of \$75,000 or more. Conversely, as household income increases, the share of *obese* adults, decreases. For example, 44.3% of *obese* adults report a household income of less than \$25,000, while 38.9% report a household income of \$75,000 or more.

Table 10: Computed body mass index (BMI) categories

	Neither overweight nor obese			Overweight			Obese		
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.
Total	29.0	[27.2,30.8]	3,178,219	32.4	[30.6,34.2]	1,028,474	38.6	[36.7,40.6]	1,228,174
AGE									
18-24	50.7	[43.1,58.3]	362,946	26.3	[20.2,33.4]	95,356	23.0	[16.8,30.6]	83,460
25-34	31.4	[26.4,36.8]	553,794	31.9	[27.0,37.3]	176,810	36.7	[31.3,42.4]	203,222
35-44	23.4	[19.7,27.6]	551,744	33.8	[29.5,38.3]	186,251	42.8	[38.2,47.6]	236,308
45-54	23.9	[20.3,28.0]	471,802	31.2	[27.3,35.3]	147,189	44.9	[40.6,49.2]	211,801
55-64	22.3	[19.2,25.7]	528,381	31.7	[28.2,35.5]	167,726	45.9	[42.0,49.9]	242,699
65 and over	28.7	[25.8,31.8]	709,553	36.0	[32.9,39.2]	255,142	35.3	[32.1,38.7]	250,685
GENDER									
Male	27.8	[25.2,30.5]	1,560,860	36.2	[33.6,38.9]	564,611	36.0	[33.4,38.8]	562,488
Female	30.2	[27.8,32.7]	1,617,359	28.7	[26.3,31.2]	463,863	41.2	[38.5,43.9]	665,687
RACE-ETHNICITY									
White, Non-Hispanic	30.0	[27.9,32.1]	1,885,979	33.2	[31.1,35.4]	626,306	36.8	[34.7,39.0]	694,473
Black, Non-Hispanic	25.4	[21.7,29.6]	928,331	29.4	[25.8,33.2]	272,778	45.2	[41.0,49.4]	419,329
Hispanic	29.0	[21.0,38.5]	178,025	36.5	[27.6,46.4]	64,936	34.6	[24.3,46.4]	61,515
Other, Non-Hispanic	41.0	[32.9,49.7]	117,166	32.7	[25.2,41.2]	38,364	26.2	[19.7,34.0]	30,707
Don't know/No answer	29.8	[19.3,43.0]	68,718	38.0	[25.8,51.8]	26,089	32.2	[22.1,44.4]	22,150
EDUCATION									
Did not graduate HS	30.5	[24.8,36.9]	448,429	27.7	[22.4,33.7]	124,214	41.8	[35.4,48.4]	187,365
HS diploma/equivalent	28.2	[25.0,31.6]	1,072,245	31.4	[28.2,34.7]	336,222	40.5	[37.0,44.1]	434,179
Some college/2-year college degree	28.1	[24.9,31.4]	935,113	33.6	[30.5,37.0]	314,619	38.3	[35.0,41.7]	358,052
4-year college degree or higher	30.6	[27.9,33.3]	718,310	35.0	[32.3,37.9]	251,487	34.4	[31.6,37.3]	247,189
Don't know/No answer	19.4	[2.3,70.9]	4,122	46.8	[9.5,88.0]	1,931	33.7	[4.8,83.9]	1,390
HOUSEHOLD INCOME									
Less than \$25,000	28.6	[24.6,33.0]	648,522	27.1	[23.2,31.3]	175,462	44.3	[39.6,49.2]	287,416
\$25,000-\$49,999	29.7	[26.0,33.7]	725,276	29.9	[26.5,33.6]	217,035	40.4	[36.5,44.4]	292,723
\$50,000-\$74,999	25.8	[21.1,31.1]	378,474	31.3	[26.7,36.2]	118,356	42.9	[37.8,48.2]	162,483
\$75,000 or more	21.5	[17.2,26.4]	301,558	39.6	[33.5,46.0]	119,377	38.9	[32.9,45.3]	117,423
Don't know/No answer	31.8	[28.9,35.0]	1,124,389	35.4	[32.5,38.5]	398,243	32.7	[29.8,35.8]	368,129

11. Disability

Analysis of Section 10 ("Disability") of the 2021 BRFSS Questionnaire

Disability, as defined by the Behavioral Risk Factor Surveillance System Survey is a physical, mental, or emotional problem that limits activity. The survey includes measures several mental and physical disabilities, which may pose additional health risks.

BLINDNESS AND DEAFNESS

In Louisiana, 7.5% of adults report being deaf or having serious difficulty hearing. The data shows directional correlations with age, gender, race, and socioeconomic demographics. The older population have the most difficulty hearing or report being deaf, while this difficulty is relatively uncommon among younger adults. For example, only 2.3% of those with difficulty hearing or are deaf, are 18-24-years-old, while 16.2% are 65-years-old or older. Moreover, men (9.3%) report this disability more than women (5.9%). Hispanics (4.5%) are among the smallest share reporting this disability, compared to other racial-ethnic groups. As seen with many other conditions, as education, and household income increases, the reported disability decreases.

7.5% of Louisiana adults report being blind or having serious difficulty seeing, even when wearing glasses. Like deafness, as age increases, reports of this difficulty increases. A larger share of women (8.1%) report difficulty seeing, compared to men (6.8%). Also like deafness, as education and household income increases, reports of this difficulty decreases.

MEMORY, AND DECISION MAKING

17.0% of Louisiana adults report having difficulty concentrating, remembering, or making decisions. Interestingly, the youngest population, 18-24-year-olds (23.2%) report

the most difficulty concentrating, remembering, or making decisions. Women (19%), more than men (14.7%) report this difficulty. Socioeconomic factors also appear to affect one's ability to concentrate, remember, or make decisions. As education increases, the share reporting this difficulty decrease. The same is seen with household income.

WALKING AND CLIMBING STAIRS

In Louisiana, 18% of adults report difficulty walking or climbing stairs. Difficulty walking or climbing stairs is more clearly correlated with age, and socioeconomic factors. In general, as age increases, difficulty walking or climbing stairs increases. There is variation within genders; women (19.5%) report a larger share of difficulty walking or climbing stairs, compared to their male counterparts (16.3%). For each, education and household income, as they increase, reports of difficulty walking or climbing stairs decreases.

DRESSING AND BATHING

5.6% adults report difficulty dressing or bathing. Like other disabilities, age, and socioeconomic factors are correlated. As age increases, reports of difficulty dressing or bathing increases. Continuing the trend, as education increases, the share of reports with difficulty dressing or bathing decreases. Similarly, as reported household income increases, the share of reports with difficulty dressing or bathing decreases. For example, 12% of those with difficulty dressing or bathing, report an income of less than \$25,000, while only 2.9% of those with a household income of \$75,000 or more report the same difficulty.

DOING ERRANDS ALONE

In Louisiana, 9.3% of adults report having difficulty doing errands alone. Younger adults are among the smaller share of adults with this difficulty, compared to the oldest group of adults. More women (10.5%) report this difficulty, than men (7.9%). Most

racial-ethnic groups hover around 8% of reporting this difficulty, but this is not the case for Black, Non-Hispanics. The largest share of adults with this difficulty are Black, Non-Hispanics (10.3%). Moreover, as education increases, reports of difficulty decreases. The same goes for household income, as income increases, reports of difficulty decreases.

Table 11A: Deaf or have serious difficulty hearing

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	7.5	[6.7,8.5]	253,275	92.1	[91.0,93.0]	3,100,330	0.4	[0.2,0.8]
AGE								
18-24	2.3	[1.0,5.0]	8,985	97.7	[95.0,99.0]	383,100	---	----
25-34	3.3	[1.8,6.0]	19,444	95.8	[92.6,97.6]	561,638	0.9	[0.2,4.1]
35-44	3.9	[2.3,6.7]	22,511	96.1	[93.3,97.7]	548,280	---	---
45-54	5.0	[3.4,7.3]	25,753	94.4	[92.0,96.1]	482,416	0.6	[0.2,1.8]
55-64	9.9	[7.8,12.6]	55,481	89.7	[87.0,91.9]	500,675	0.3	[0.1,1.2]
65 and over	16.2	[13.9,18.7]	121,102	83.3	[80.8,85.6]	624,222	0.5	[0.2,1.2]
GENDER								
Male	9.3	[7.9,10.8]	149,093	90.0	[88.4,91.4]	1,445,602	0.7	[0.3,1.6]
Female	5.9	[4.8,7.2]	104,182	93.9	[92.6,95.0]	1,654,729	0.2	[0.1,0.4]
RACE-ETHNICITY								
White, Non-Hispanic	8.8	[7.7,10.1]	175,622	90.9	[89.6,92.0]	1,805,558	0.2	[0.1,0.5]
Black, Non-Hispanic	5.3	[3.7,7.4]	52,127	94.6	[92.4,96.1]	932,618	0.1	[0.0,0.5]
Hispanic	4.5	[2.3,8.9]	8,324	95.5	[91.1,97.7]	174,894	---	---
Other, Non-Hispanic	7.1	[4.1,12.2]	9,069	92.6	[87.5,95.7]	118,104	0.3	[0.0,2.0]
Don't know/No answer	9.6	[5.1,17.4]	8,133	81.5	[68.7,89.8]	69,157	9.0	[3.0,24.1]
EDUCATION								
Did not graduate HS	15.1	[11.3,19.9]	71,259	83.5	[78.5,87.5]	393,847	1.4	[0.4,4.8]
HS diploma/equivalent	7.4	[6.0,9.1]	82,867	92.3	[90.6,93.7]	1,039,582	0.3	[0.1,0.8]
Some college/2-year college degree	6.3	[5.1,7.8]	62,793	93.6	[92.1,94.8]	926,409	0.1	[0.0,0.4]
4-year college degree or higher	4.6	[3.7,5.7]	35,094	95.3	[94.2,96.2]	733,354	0.1	[0.0,0.5]
Don't know/No answer	12.0	[2.6,40.9]	1,263	67.6	[34.5,89.2]	7,139	20.5	[4.8,56.8]
HOUSEHOLD INCOME								
Less than \$25,000	11.1	[8.7,14.1]	75,176	88.8	[85.9,91.2]	600,478	0.1	[0.0,0.5]
\$25,000-\$49,999	9.0	[7.1,11.4]	67,882	90.3	[87.7,92.4]	678,831	0.7	[0.1,3.1]
\$50,000-\$74,999	6.3	[4.5,8.9]	24,815	93.4	[90.8,95.3]	364,917	0.3	[0.1,1.1]
\$75,000 or more	5.4	[3.4,8.4]	16,746	94.6	[91.6,96.6]	294,436	---	---
Don't know/No answer	5.5	[4.4,6.9]	68,657	93.8	[92.4,95.0]	1,161,668	0.6	[0.3,1.3]

Table 11B: Blind or vision impaired even when wearing glasses

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	7.5	[6.6,8.6]	252,276	92.2	[91.1,93.2]	3,097,744	0.3	[0.1,0.7]
AGE								
18-24	3.7	[1.6,8.6]	14,604	96.3	[91.4,98.4]	376,648	---	---
25-34	4.3	[2.5,7.2]	25,123	95.7	[92.8,97.5]	558,010	---	---
35-44	4.7	[2.9,7.4]	26,849	94.6	[91.3,96.6]	539,708	0.7	[0.1,5.1]
45-54	10.1	[7.7,13.2]	51,770	89.3	[86.2,91.8]	456,133	0.5	[0.2,1.8]
55-64	11.9	[9.4,14.8]	66,020	88.0	[85.1,90.4]	490,027	0.1	[0.0,0.6]
65 and over	9.1	[7.3,11.3]	67,909	90.6	[88.4,92.5]	677,217	0.3	[0.1,0.7]
GENDER								
Male	6.8	[5.6,8.3]	109,495	92.8	[91.2,94.1]	1,484,762	0.4	[0.1,1.6]
Female	8.1	[6.8,9.7]	142,780	91.7	[90.1,93.0]	1,612,981	0.2	[0.1,0.4]
RACE-ETHNICITY								
White, Non-Hispanic	6.8	[5.7,8.0]	134,162	93.2	[91.9,94.3]	1,845,019	0.0	[0.0,0.2]
Black, Non-Hispanic	8.2	[6.3,10.5]	80,376	91.3	[88.8,93.3]	898,840	0.5	[0.1,2.6]
Hispanic	5.5	[2.4,12.5]	10,169	94.5	[87.5,97.6]	173,049	---	---
Other, Non-Hispanic	11.0	[6.5,18.2]	14,034	88.6	[81.5,93.2]	112,654	0.4	[0.1,1.7]
Don't know/No answer	15.9	[8.2,28.7]	13,536	80.3	[67.8,88.7]	68,183	3.8	[1.3,10.4]
EDUCATION								
Did not graduate HS	17.7	[13.6,22.7]	83,494	81.2	[76.0,85.5]	383,104	1.1	[0.2,5.4]
HS diploma/equivalent	8.3	[6.6,10.4]	93,307	91.6	[89.6,93.3]	1,030,866	0.1	[0.0,0.3]
Some college/2-year college degree	5.3	[4.1,6.9]	52,625	94.5	[93.0,95.8]	930,177	0.1	[0.0,0.4]
4-year college degree or higher	3.0	[2.1,4.1]	22,851	97.0	[95.8,97.8]	745,195	0.1	[0.0,0.4]
Don't know/No answer	---	---	---	79.5	[43.2,95.2]	8,401	20.5	[4.8,56.8]
HOUSEHOLD INCOME								
Less than \$25,000	16.0	[13.1,19.4]	108,412	83.1	[79.5,86.2]	561,920	0.9	[0.2,3.6]
\$25,000-\$49,999	8.5	[6.4,11.1]	63,448	91.5	[88.9,93.6]	685,875	---	---
\$50,000-\$74,999	3.9	[2.1,7.1]	15,123	96.0	[92.8,97.8]	375,301	0.1	[0.0,0.8]
\$75,000 or more	1.1	[0.5,2.3]	3,325	98.9	[97.7,99.5]	307,857	---	---
Don't know/No answer	5.0	[3.8,6.6]	61,968	94.7	[93.1,95.9]	1,166,791	0.3	[0.1,0.8]

Table 11C: Have difficulty concentrating, remembering, or making decisions								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	17.0	[15.5,18.5]	576,321	82.1	[80.5,83.6]	2,744,913	0.9	[0.6,1.5]
AGE								
18-24	23.2	[17.0,31.0]	89,905	76.4	[68.7,82.7]	295,286	0.4	[0.1,1.6]
25-34	16.0	[12.7,20.1]	93,280	82.7	[78.4,86.3]	481,230	1.2	[0.3,5.1]
35-44	16.0	[12.9,19.8]	90,980	83.6	[79.8,86.7]	474,735	0.4	[0.1,1.6]
45-54	17.4	[14.3,21.0]	88,043	81.7	[78.1,84.8]	413,854	0.9	[0.4,2.0]
55-64	18.6	[15.6,21.9]	102,846	80.3	[76.9,83.3]	444,481	1.2	[0.6,2.4]
65 and over	13.7	[11.4,16.4]	102,267	85.1	[82.3,87.5]	635,328	1.2	[0.6,2.5]
GENDER								
Male	14.7	[12.7,17.1]	234,802	84.6	[82.2,86.6]	1,347,142	0.7	[0.4,1.2]
Female	19.0	[17.0,21.2]	332,519	79.9	[77.6,81.9]	1,397,771	1.1	[0.6,2.2]
RACE-ETHNICITY								
White, Non-Hispanic	15.9	[14.3,17.7]	313,414	83.5	[81.8,85.1]	1,644,322	0.5	[0.3,0.9]
Black, Non-Hispanic	16.4	[13.4,19.8]	160,696	82.2	[78.6,85.2]	807,139	1.5	[0.6,3.4]
Hispanic	21.3	[13.0,33.0]	38,522	78.7	[67.0,87.0]	142,001	---	---
Other, Non-Hispanic	24.2	[17.4,32.6]	30,725	73.9	[65.5,80.9]	93,926	1.9	[0.7,4.9]
Don't know/No answer	28.2	[18.9,39.9]	23,964	67.8	[56.1,77.6]	57,525	4.0	[1.5,10.3]
EDUCATION								
Did not graduate HS	31.6	[26.0,37.7]	148,141	66.3	[60.1,72.0]	311,170	2.1	[1.0,4.6]
HS diploma/equivalent	18.6	[15.9,21.6]	207,278	80.9	[77.9,83.6]	902,462	0.5	[0.2,1.1]
Some college/2-year college degree	14.9	[12.8,17.4]	146,335	83.9	[81.3,86.3]	822,268	1.1	[0.4,2.9]
4-year college degree or higher	8.4	[6.9,10.1]	64,177	91.4	[89.6,92.9]	702,002	0.3	[0.1,0.6]
Don't know/No answer	13.2	[1.8,55.2]	1,390	66.4	[31.7,89.4]	7,011	20.5	[4.8,56.8]
HOUSEHOLD INCOME								
Less than \$25,000	31.9	[27.7,36.5]	212,821	66.9	[62.3,71.1]	446,226	1.2	[0.6,2.3]
\$25,000-\$49,999	16.7	[14.0,19.8]	124,511	83.1	[80.0,85.8]	619,743	0.2	[0.1,0.6]
\$50,000-\$74,999	12.0	[8.4,16.7]	46,785	87.9	[83.1,91.4]	343,379	0.2	[0.0,0.7]
\$75,000 or more	8.1	[5.2,12.2]	25,047	91.9	[87.8,94.8]	285,651	---	---
Don't know/No answer	12.9	[10.8,15.2]	158,157	85.5	[82.9,87.7]	1,049,914	1.7	[0.9,3.1]

Table 11D: Have difficulty walking or climbing stairs

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	18.0	[16.7,19.4]	598,777	81.4	[80.0,82.7]	2,707,597	0.6	[0.4,1.1]
AGE								
18-24	2.5	[1.1,5.5]	9,484	97.5	[94.5,98.9]	377,214	---	---
25-34	4.9	[3.2,7.6]	28,482	94.5	[91.6,96.5]	547,382	0.6	[0.1,3.9]
35-44	7.9	[5.6,11.0]	44,821	92.1	[89.0,94.4]	520,812	---	---
45-54	17.1	[14.2,20.5]	85,677	82.0	[78.5,85.1]	411,197	0.9	[0.3,2.9]
55-64	31.2	[27.6,35.0]	171,789	67.8	[63.9,71.4]	373,683	1.1	[0.4,2.6]
65 and over	34.8	[31.6,38.1]	258,525	64.3	[60.9,67.4]	477,309	0.9	[0.4,2.1]
GENDER								
Male	16.3	[14.5,18.3]	258,823	83.3	[81.3,85.1]	1,320,866	0.4	[0.1,1.3]
Female	19.5	[17.7,21.5]	339,953	79.7	[77.6,81.5]	1,386,731	0.8	[0.4,1.5]
RACE-ETHNICITY								
White, Non-Hispanic	17.5	[15.9,19.1]	342,041	82.3	[80.7,83.9]	1,611,403	0.2	[0.1,0.4]
Black, Non-Hispanic	20.2	[17.4,23.2]	197,432	78.4	[75.2,81.3]	766,982	1.5	[0.7,3.1]
Hispanic	10.8	[6.0,18.9]	19,415	88.8	[80.8,93.8]	159,498	0.3	[0.0,2.4]
Other, Non-Hispanic	15.6	[10.2,23.1]	19,784	84.4	[76.9,89.8]	107,236	---	---
Don't know/No answer	23.7	[15.8,33.9]	20,104	73.6	[63.1,81.9]	62,477	2.7	[0.8,9.0]
EDUCATION								
Did not graduate HS	34.7	[29.2,40.7]	162,301	63.8	[57.8,69.4]	297,985	1.5	[0.5,4.0]
HS diploma/equivalent	20.3	[18.0,22.8]	224,915	79.1	[76.5,81.5]	877,460	0.6	[0.2,1.9]
Some college/2-year college degree	14.2	[12.2,16.5]	138,937	85.4	[83.1,87.4]	833,337	0.4	[0.1,1.0]
4-year college degree or higher	9.3	[7.9,11.0]	71,233	90.4	[88.7,91.9]	690,986	0.3	[0.1,0.7]
Don't know/No answer	13.2	[1.8,55.2]	1,390	74.1	[36.6,93.4]	7,829	12.7	[1.8,54.2]
HOUSEHOLD INCOME								
Less than \$25,000	36.4	[32.3,40.7]	242,035	62.9	[58.6,67.0]	418,671	0.7	[0.2,2.1]
\$25,000-\$49,999	16.7	[14.3,19.5]	123,877	82.6	[79.7,85.1]	612,458	0.7	[0.2,2.7]
\$50,000-\$74,999	12.2	[9.5,15.5]	47,592	87.4	[83.9,90.2]	341,203	0.5	[0.1,3.2]
\$75,000 or more	7.9	[5.5,11.4]	24,399	91.9	[88.4,94.4]	282,142	0.2	[0.0,1.3]
Don't know/No answer	13.2	[11.3,15.3]	160,875	86.2	[83.9,88.1]	1,053,124	0.7	[0.3,1.5]

Table 11E: Have difficulty dressing or bathing								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	5.6	[4.8,6.5]	185,390	94.2	[93.3,94.9]	3,127,689	0.3	[0.1,0.5]
AGE								
18-24	0.6	[0.1,4.0]	2,266	99.3	[96.4,99.9]	383,840	0.2	[0.0,1.1]
25-34	1.2	[0.5,2.9]	6,926	98.8	[97.1,99.5]	572,238	---	---
35-44	2.0	[1.1,3.8]	11,452	98.0	[96.2,98.9]	553,998	---	---
45-54	6.4	[4.6,8.8]	31,966	93.2	[90.7,95.0]	464,715	0.4	[0.1,1.6]
55-64	10.0	[7.8,12.8]	55,059	89.5	[86.7,91.8]	491,975	0.5	[0.2,1.2]
65 and over	10.5	[8.3,13.1]	77,720	89.1	[86.4,91.3]	660,922	0.4	[0.1,1.3]
GENDER								
Male	5.9	[4.8,7.3]	93,334	93.9	[92.5,95.0]	1,485,149	0.2	[0.1,0.6]
Female	5.3	[4.3,6.5]	92,056	94.4	[93.2,95.5]	1,642,539	0.3	[0.1,0.6]
RACE-ETHNICITY								
White, Non-Hispanic	5.1	[4.2,6.1]	98,829	94.7	[93.7,95.6]	1,851,577	0.2	[0.1,0.4]
Black, Non-Hispanic	6.5	[5.0,8.4]	63,039	93.3	[91.4,94.8]	911,125	0.2	[0.1,1.1]
Hispanic	5.6	[2.0,14.9]	10,140	94.4	[85.1,98.0]	169,388	---	---
Other, Non-Hispanic	4.5	[1.9,9.8]	5,645	94.9	[89.6,97.6]	120,426	0.6	[0.1,2.9]
Don't know/No answer	9.2	[4.5,17.7]	7,738	89.0	[79.9,94.2]	75,172	1.9	[0.3,9.5]
EDUCATION								
Did not graduate HS	14.1	[10.5,18.7]	65,916	85.4	[80.7,89.0]	398,716	0.5	[0.1,2.3]
HS diploma/equivalent	5.5	[4.3,7.1]	61,248	94.3	[92.7,95.5]	1,043,517	0.2	[0.1,0.4]
Some college/2-year college degree	3.9	[2.9,5.1]	37,768	95.9	[94.6,96.9]	934,083	0.3	[0.1,0.6]
4-year college degree or higher	2.5	[1.8,3.4]	19,067	97.5	[96.6,98.1]	743,951	0.0	[0.0,0.2]
Don't know/No answer	13.7	[1.9,56.6]	1,390	73.1	[34.9,93.2]	7,421	13.2	[1.8,55.6]
HOUSEHOLD INCOME								
Less than \$25,000	12.0	[9.6,14.7]	79,400	87.6	[84.8,90.0]	581,908	0.4	[0.1,1.4]
\$25,000-\$49,999	4.8	[3.5,6.6]	35,342	95.0	[93.2,96.4]	703,248	0.2	[0.1,0.7]
\$50,000-\$74,999	3.4	[2.0,5.6]	13,214	96.6	[94.4,98.0]	377,181	---	---
\$75,000 or more	2.9	[1.3,6.1]	8,808	97.1	[93.9,98.7]	298,221	---	---
Don't know/No answer	4.0	[2.9,5.5]	48,626	95.7	[94.1,96.8]	1,167,131	0.4	[0.2,0.8]

Table 11F: Have difficulty doing errands alone

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	9.3	[8.3,10.4]	305,707	90.3	[89.1,91.3]	2,981,502	0.5	[0.3,0.8]
AGE								
18-24	4.8	[2.6,8.8]	18,476	95.2	[91.2,97.4]	365,960	---	---
25-34	4.6	[3.0,6.8]	26,230	95.2	[92.9,96.8]	546,544	0.2	[0.0,1.7]
35-44	9.4	[6.8,12.9]	53,109	90.2	[86.7,92.9]	509,052	0.4	[0.1,1.6]
45-54	9.9	[7.7,12.7]	49,252	89.5	[86.6,91.8]	444,118	0.6	[0.2,1.9]
55-64	13.4	[10.9,16.4]	73,001	86.2	[83.2,88.8]	471,030	0.4	[0.1,1.3]
65 and over	11.6	[9.6,14.0]	85,639	87.5	[84.9,89.6]	644,798	0.9	[0.4,2.2]
GENDER								
Male	7.9	[6.5,9.5]	123,726	92.0	[90.3,93.3]	1,445,479	0.2	[0.0,0.6]
Female	10.5	[9.1,12.1]	181,982	88.7	[87.1,90.2]	1,536,023	0.8	[0.4,1.4]
RACE-ETHNICITY								
White, Non-Hispanic	8.8	[7.6,10.1]	170,688	90.7	[89.4,91.9]	1,765,813	0.5	[0.2,0.9]
Black, Non-Hispanic	10.3	[8.2,12.8]	100,161	89.4	[86.8,91.5]	867,774	0.3	[0.1,1.5]
Hispanic	7.9	[4.0,15.1]	14,030	91.8	[84.6,95.8]	163,693	0.3	[0.0,2.4]
Other, Non-Hispanic	8.2	[5.0,13.3]	10,243	90.8	[85.5,94.3]	113,216	1.0	[0.2,4.7]
Don't know/No answer	12.7	[7.0,21.9]	10,586	85.4	[75.8,91.6]	71,007	1.9	[0.4,9.6]
EDUCATION								
Did not graduate HS	20.3	[16.0,25.5]	93,424	78.7	[73.4,83.2]	361,833	1.0	[0.3,3.1]
HS diploma/equivalent	9.6	[8.0,11.5]	105,607	89.9	[88.0,91.6]	988,982	0.5	[0.2,1.1]
Some college/2-year college degree	7.1	[5.7,8.8]	69,080	92.5	[90.7,94.0]	899,392	0.4	[0.1,1.2]
4-year college degree or higher	4.8	[3.7,6.1]	36,205	95.1	[93.7,96.2]	723,875	0.1	[0.0,0.3]
Don't know/No answer	13.7	[1.9,56.6]	1,390	73.1	[34.9,93.2]	7,421	13.2	[1.8,55.6]
HOUSEHOLD INCOME								
Less than \$25,000	20.0	[16.8,23.7]	131,862	79.7	[76.0,83.0]	524,783	0.2	[0.0,1.3]
\$25,000-\$49,999	7.6	[5.9,9.7]	55,796	92.3	[90.2,94.0]	681,444	0.2	[0.0,0.6]
\$50,000-\$74,999	5.6	[3.9,8.1]	21,936	94.1	[91.6,95.9]	367,383	0.3	[0.0,1.9]
\$75,000 or more	2.5	[1.4,4.4]	7,591	97.5	[95.6,98.6]	296,712	---	---
Don't know/No answer	7.3	[5.9,9.1]	88,522	91.7	[89.8,93.3]	1,111,181	1.0	[0.5,1.9]

12. Tobacco and Electronic Cigarette Use

Analysis of Section 11 ("Tobacco Use") and of the 2021 BRFSS Questionnaire

Tobacco use is associated with a variety of health risks. A relatively new alternative to tobacco, is electronic cigarettes. The BRFSS survey asks about both.

In Louisiana, 17.8% of adults report being a current smoker; this is a slight increase (0.8%) from 2020. The oldest and youngest adults make up the smallest share of adults currently smoking, while 35-44-year-olds (24.4%) make up the largest share of current smokers. More men (19.5%) report being a current smoker, compared to women (16.2%). Interestingly, for every racial-ethnic group, about 17-19% of the group report being a current smoker, except for Hispanics. Of the current smokers, 7.5% are Hispanic, this is over a 10% difference compared to other groups. Socioeconomic factors are correlated with current smokers too. As education increases, the share of current smokers decreases. This is the case for household income as well. As household income increases, reports of being a current smoker decrease.

4.6% adults report using chewing tobacco, snuff, or snus. Data suggests women are highly unlikely to use chewing tobacco, snuff, or snus. 9.2% of men use chewing tobacco, snuff, or snus, while 0.5% of women use one or more of these products. Black, Non-Hispanics are unlikely to use it, compared to other racial-ethnic groups.

Data shows 8.2% of adults report using electronic cigarettes (e-cigarettes). While most young adults do not currently smoke, or use chewing tobacco, these young adults do use e-cigarettes. 11.8% of 18-24-year-olds report being a current smoker, 2.8% of 18-24-year-olds use chewing tobacco, snuff, or snus, though 20.6% of 18-24-year-olds report using e-cigarettes, which is a significant increase, Men (8.6%) also report using e-cigarettes more than women (7.8%), however the difference between the genders is not as

large, compared to current smokers, or chewing tobacco, snuff, or snus users.

Moreover, White, Non-Hispanics (10%) are among the largest share of e-cigarette users, while Black, Non-Hispanics (4.8%) are among the smallest group of users. There is not a clear relationship between household income and e-cigarette usage, however education does appear to show some correlation. Specifically, as education increases, reports of use decreases.

Table 12A: Respondent is a current smoker

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	17.8	[16.3,19.3]	635,440	73.3	[71.6,75.0]	2,623,941	8.9	[7.8,10.2]
AGE								
18-24	11.8	[7.5,18.3]	50,713	77.4	[69.6,83.6]	331,195	10.8	[6.4,17.7]
25-34	17.2	[13.5,21.7]	109,203	71.5	[66.3,76.3]	454,601	11.3	[8.0,15.6]
35-44	24.4	[20.6,28.7]	147,079	68.2	[63.7,72.4]	410,916	7.4	[5.3,10.1]
45-54	20.1	[16.9,23.8]	107,819	71.4	[67.4,75.0]	382,841	8.6	[6.6,11.0]
55-64	22.2	[19.2,25.6]	129,608	69.9	[66.2,73.3]	407,376	7.9	[6.0,10.3]
65 and over	11.5	[9.6,13.6]	91,019	80.4	[77.7,82.8]	637,011	8.2	[6.5,10.2]
GENDER								
Male	19.5	[17.3,21.9]	335,885	69.9	[67.1,72.5]	1,205,289	10.6	[8.8,12.8]
Female	16.2	[14.4,18.1]	299,555	76.5	[74.3,78.6]	1,418,652	7.3	[6.0,8.8]
RACE-ETHNICITY								
White, Non-Hispanic	17.9	[16.3,19.7]	373,194	74.3	[72.3,76.2]	1,547,556	7.8	[6.6,9.2]
Black, Non-Hispanic	19.1	[16.0,22.7]	203,480	71.1	[67.2,74.7]	756,301	9.8	[7.6,12.6]
Hispanic	7.5	[3.9,14.1]	14,525	84.2	[76.5,89.7]	162,508	8.3	[4.7,14.2]
Other, Non-Hispanic	18.7	[13.2,25.8]	25,216	71.8	[63.7,78.7]	96,662	9.5	[5.2,16.6]
Don't know/No answer	18.4	[10.8,29.5]	19,026	58.9	[45.3,71.3]	60,913	22.7	[11.8,39.2]
EDUCATION								
Did not graduate HS	31.2	[25.8,37.1]	161,868	56.4	[50.2,62.5]	293,147	12.4	[8.7,17.3]
HS diploma/equivalent	20.0	[17.5,22.9]	241,698	69.7	[66.3,72.8]	839,955	10.3	[8.2,12.9]
Some college/2-year college degree	17.1	[14.8,19.7]	177,302	75.5	[72.5,78.3]	781,842	7.4	[5.6,9.6]
4-year college degree or higher	6.8	[5.5,8.3]	54,573	87.1	[85.1,88.9]	701,004	6.1	[4.9,7.7]
Don't know/No answer	---	---	---	68.1	[38.5,87.9]	7,993	31.9	[12.1,61.5]
HOUSEHOLD INCOME								
Less than \$25,000	29.6	[25.6,34.0]	204,251	64.9	[60.3,69.2]	447,084	5.5	[3.6,8.4]
\$25,000-\$49,999	20.1	[17.1,23.5]	154,504	75.0	[71.3,78.3]	576,350	4.9	[3.4,7.0]
\$50,000-\$74,999	16.6	[12.4,21.8]	66,066	80.4	[75.2,84.8]	321,067	3.0	[1.8,5.1]
\$75,000 or more	15.2	[11.3,20.0]	47,808	80.5	[75.4,84.8]	253,678	4.3	[2.6,7.2]
Don't know/No answer	11.6	[9.8,13.6]	162,810	73.0	[70.0,75.7]	1,025,762	15.4	[13.1,18.1]

Table 12B: Use smokeless tobacco products such as chewing tobacco, snuff, or snus

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	4.6	[3.9,5.5]	152,887	95.2	[94.3,96.0]	3,119,558	0.2	[0.1,0.4]
AGE								
18-24	2.8	[1.4,5.8]	10,850	97.2	[94.2,98.6]	372,140	---	---
25-34	5.5	[3.5,8.4]	31,356	94.5	[91.6,96.5]	539,467	---	---
35-44	5.1	[3.4,7.6]	28,398	94.9	[92.4,96.6]	530,286	0.1	[0.0,0.5]
45-54	5.5	[3.9,7.7]	27,243	93.9	[91.6,95.6]	464,064	0.6	[0.2,1.8]
55-64	6.3	[4.5,8.8]	33,985	93.3	[90.7,95.2]	504,804	0.4	[0.1,2.4]
65 and over	2.9	[1.9,4.3]	21,056	97.1	[95.7,98.0]	708,798	0.0	[0.0,0.2]
GENDER								
Male	9.2	[7.8,11.0]	143,805	90.5	[88.8,92.0]	1,408,823	0.3	[0.1,0.9]
Female	0.5	[0.3,1.0]	9,082	99.4	[98.9,99.6]	1,710,736	0.1	[0.0,0.3]
RACE-ETHNICITY								
White, Non-Hispanic	5.8	[4.8,7.0]	112,537	94.0	[92.8,95.1]	1,813,187	0.1	[0.0,0.6]
Black, Non-Hispanic	2.4	[1.4,3.9]	22,893	97.6	[96.1,98.6]	943,960	---	---
Hispanic	4.6	[2.1,10.1]	8,185	95.2	[89.8,97.8]	167,905	0.1	[0.0,1.0]
Other, Non-Hispanic	5.2	[2.4,10.7]	6,400	94.8	[89.3,97.6]	117,057	---	---
Don't know/No answer	3.5	[1.3,9.1]	2,873	93.1	[85.9,96.8]	77,450	3.4	[1.1,10.2]
EDUCATION								
Did not graduate HS	5.8	[3.6,9.1]	26,351	94.2	[90.9,96.4]	427,615	---	---
HS diploma/equivalent	6.0	[4.6,7.8]	65,526	93.8	[91.9,95.2]	1,020,048	0.2	[0.0,1.2]
Some college/2-year college degree	4.5	[3.3,6.0]	43,256	95.5	[93.9,96.7]	925,061	0.1	[0.0,0.3]
4-year college degree or higher	2.3	[1.5,3.5]	17,496	97.6	[96.4,98.4]	739,098	0.1	[0.0,0.3]
Don't know/No answer	2.5	[0.3,17.4]	257	76.2	[40.5,93.8]	7,736	21.3	[4.9,58.4]
HOUSEHOLD INCOME								
Less than \$25,000	4.1	[2.8,6.0]	27,136	95.8	[94.0,97.1]	629,184	0.0	[0.0,0.2]
\$25,000-\$49,999	2.7	[1.8,4.0]	19,676	97.3	[96.0,98.2]	714,845	---	---
\$50,000-\$74,999	5.8	[3.7,9.0]	22,401	94.2	[91.0,96.3]	364,470	---	---
\$75,000 or more	9.3	[5.9,14.4]	27,961	90.7	[85.6,94.1]	272,899	---	---
Don't know/No answer	4.6	[3.5,6.1]	55,714	94.9	[93.4,96.1]	1,138,160	0.5	[0.2,1.2]

Table 12C: Adults using e-cigarettes

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	8.2	[7.1,9.4]	292,044	83.0	[81.4,84.5]	2,970,253	8.8	[7.7,10.1]
AGE								
18-24	20.6	[15.3,27.2]	88,366	68.8	[61.3,75.5]	294,624	10.5	[6.2,17.4]
25-34	15.0	[11.7,19.1]	95,306	74.5	[69.4,79.0]	473,126	10.5	[7.3,14.9]
35-44	8.2	[6.1,10.9]	49,169	83.9	[80.4,87.0]	505,512	7.9	[5.7,10.8]
45-54	4.5	[3.2,6.3]	24,128	87.0	[84.2,89.4]	466,793	8.5	[6.6,10.9]
55-64	3.8	[2.5,5.7]	22,011	88.6	[85.8,91.0]	516,533	7.6	[5.7,10.1]
65 and over	1.6	[1.1,2.6]	13,065	90.0	[87.8,91.9]	713,667	8.3	[6.6,10.4]
GENDER								
Male	8.6	[7.0,10.6]	148,148	81.0	[78.4,83.4]	1,397,051	10.4	[8.6,12.5]
Female	7.8	[6.4,9.3]	143,897	84.9	[82.8,86.7]	1,573,202	7.4	[6.1,8.9]
RACE-ETHNICITY								
White, Non-Hispanic	10.0	[8.6,11.6]	207,885	82.3	[80.4,84.1]	1,715,089	7.7	[6.5,9.1]
Black, Non-Hispanic	4.8	[3.2,7.3]	51,405	85.4	[82.1,88.2]	908,954	9.7	[7.5,12.6]
Hispanic	6.1	[2.8,13.0]	11,844	85.2	[77.5,90.6]	164,501	8.7	[5.0,14.6]
Other, Non-Hispanic	7.9	[4.5,13.3]	10,578	83.9	[76.3,89.3]	112,880	8.3	[4.3,15.4]
Don't know/No answer	10.0	[3.8,23.7]	10,333	66.6	[51.3,79.0]	68,829	23.4	[12.4,39.8]
EDUCATION								
Did not graduate HS	10.7	[7.3,15.5]	55,616	76.7	[70.8,81.7]	398,351	12.6	[8.9,17.5]
HS diploma/equivalent	8.8	[6.8,11.3]	106,068	81.0	[77.8,83.8]	976,493	10.2	[8.1,12.8]
Some college/2-year college degree	8.8	[7.0,10.9]	90,831	84.2	[81.4,86.7]	871,960	7.0	[5.3,9.3]
4-year college degree or higher	4.9	[3.7,6.4]	39,529	88.9	[86.9,90.6]	715,456	6.2	[5.0,7.7]
Don't know/No answer	---	---	---	68.1	[38.5,87.9]	7,993	31.9	[12.1,61.5]
HOUSEHOLD INCOME								
Less than \$25,000	7.8	[5.9,10.4]	54,003	86.9	[83.5,89.7]	599,215	5.2	[3.4,8.0]
\$25,000-\$49,999	9.9	[7.6,12.7]	75,954	85.5	[82.3,88.2]	657,128	4.6	[3.2,6.7]
\$50,000-\$74,999	10.0	[6.4,15.3]	39,987	86.3	[81.0,90.3]	344,333	3.7	[2.2,6.3]
\$75,000 or more	7.8	[4.7,12.7]	24,545	87.7	[82.6,91.4]	276,315	4.5	[2.7,7.5]
Don't know/No answer	6.9	[5.4,8.9]	97,555	77.8	[74.8,80.5]	1,093,263	15.3	[12.9,18.0]

13. Alcohol Use

Analysis of Section 12 ("Alcohol Consumption") of the 2021 BRFSS Questionnaire

Excessive alcohol consumption is associated with higher risk of several health conditions. The BRFSS survey tracks two forms of excessive alcohol consumption: heavy drinking and binge drinking. For this survey, *heavy drinking* is defined as consuming, on average, more than 14 drinks per week for men or more than 7 drinks per week for women. A drink is defined as a 12-ounce beer, a five-ounce glass of wine, or a drink with one shot of liquor. *Binge drinking* is defined as males having 5 or more drinks on one occasion, and females having 4 or more drinks on one occasion.

In Louisiana, 6.3% of adults are classified as heavy drinkers, this is slightly lower than the 2020 report, in which 6.9% of Louisiana adults were classified as heavy drinkers. The largest shares of heavy drinkers were 25-54-year-olds, while those 65-years and older were among the smallest share of heavy drinkers. More men (6.7%) were heavy drinkers, compared to women (5.8%), and White, Non-Hispanics were heavier drinkers by over 1% to the 2nd largest group. There is not a clear correlation with heavy drinking and socioeconomic factors. However, the heaviest drinkers were those who did not finish high school, and those who had a 4-

year college degree or higher. Moreover, those with an income of more than \$50,000, were among the largest shares of heavy drinkers.

Binge drinkers show a similar trend. A noteworthy difference between heavy drinkers and binge drinkers, is the proportion of the population that are binge drinkers. 6.3% of Louisiana adults indicated being heavy drinkers, while 15.1% of Louisiana adults indicated being binge drinkers. The younger populations were among the largest share of binge drinkers, compared to older populations. Like seen with heavy drinkers, men (18.6%) were among the larger share of binge drinkers, compared to women (11.9%). The variation among race was not as large for binge drinkers, compared to heavy drinkers, but White, Non-Hispanics remained among the largest share of binge drinkers. There is not a clear correlation between socioeconomic factors and binge drinking, but the largest share of binge drinkers was those with an income between \$50,000-74,999.

Table 13A: Respondent engages in heavy drinking*

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	6.3	[5.4,7.2]	223,838	81.7	[80.1,83.2]	2,924,602	12.0	[10.7,13.4]
AGE								
18-24	3.4	[2.0,5.7]	14,692	81.5	[74.3,87.1]	349,042	15.0	[9.8,22.4]
25-34	8.2	[5.7,11.9]	52,384	78.6	[73.6,82.9]	499,713	13.1	[9.7,17.6]
35-44	8.2	[6.1,10.9]	49,098	80.9	[77.1,84.2]	487,181	11.0	[8.4,14.2]
45-54	8.6	[6.5,11.2]	46,045	79.9	[76.5,82.9]	428,821	11.5	[9.2,14.2]
55-64	7.3	[5.5,9.6]	42,302	81.7	[78.5,84.5]	476,250	11.0	[8.8,13.7]
65 and over	2.4	[1.7,3.5]	19,317	86.2	[83.8,88.4]	683,595	11.3	[9.3,13.7]
GENDER								
Male	6.7	[5.5,8.1]	115,470	79.9	[77.5,82.2]	1,378,226	13.4	[11.4,15.6]
Female	5.8	[4.7,7.2]	108,368	83.4	[81.3,85.3]	1,546,376	10.7	[9.1,12.6]
RACE-ETHNICITY								
White, Non-Hispanic	6.9	[5.9,8.1]	143,913	82.9	[81.1,84.5]	1,726,284	10.2	[8.9,11.7]
Black, Non-Hispanic	5.7	[4.1,8.0]	61,101	80.4	[76.8,83.6]	855,613	13.8	[11.1,17.1]
Hispanic	2.7	[1.3,5.8]	5,305	85.9	[79.2,90.6]	165,760	11.4	[7.1,17.8]
Other, Non-Hispanic	4.7	[2.3,9.1]	6,311	82.5	[75.0,88.1]	111,083	12.8	[7.9,20.0]
Don't know/No answer	7.0	[3.1,14.9]	7,208	63.7	[49.6,75.8]	65,862	29.3	[17.7,44.4]
EDUCATION								
Did not graduate HS	6.9	[4.5,10.4]	35,684	74.4	[68.4,79.6]	386,326	18.7	[14.1,24.5]
HS diploma/equivalent	5.9	[4.5,7.6]	70,662	81.4	[78.4,84.0]	981,156	12.8	[10.5,15.5]
Some college/2-year college degree	5.7	[4.2,7.5]	58,600	84.1	[81.3,86.6]	871,043	10.2	[8.2,12.6]
4-year college degree or higher	7.3	[5.9,9.0]	58,892	84.2	[82.0,86.2]	678,083	8.4	[7.0,10.2]
Don't know/No answer	---	---	---	68.1	[38.5,87.9]	7,993	31.9	[12.1,61.5]
HOUSEHOLD INCOME								
Less than \$25,000	5.9	[4.0,8.4]	40,322	84.5	[80.5,87.8]	582,556	9.6	[6.9,13.3]
\$25,000-\$49,999	6.1	[4.6,8.0]	46,654	86.9	[84.1,89.3]	667,993	7.0	[5.3,9.4]
\$50,000-\$74,999	7.0	[4.7,10.3]	27,809	87.2	[83.2,90.3]	347,968	5.9	[3.8,8.9]
\$75,000 or more	7.0	[4.8,10.2]	22,105	86.2	[81.9,89.6]	271,624	6.8	[4.4,10.3]
Don't know/No answer	6.2	[4.9,7.8]	86,948	75.0	[72.1,77.7]	1,054,460	18.8	[16.3,21.6]

* Males who consume more than 14 drinks per week or females who consume more than 7 drinks per week

Table 13B: Respondent engages in binge drinking*

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	15.1	[13.8,16.5]	540,116	72.9	[71.1,74.6]	2,609,086	12.0	[10.7,13.4]
AGE								
18-24	21.9	[16.6,28.5]	93,938	65.4	[57.9,72.2]	279,925	12.7	[8.0,19.5]
25-34	23.6	[19.4,28.3]	149,691	63.4	[58.1,68.5]	403,001	13.0	[9.6,17.5]
35-44	19.1	[15.8,22.8]	114,826	70.0	[65.7,73.9]	421,335	11.0	[8.4,14.2]
45-54	13.9	[11.4,17.0]	74,839	73.8	[70.1,77.2]	395,950	12.3	[9.9,15.1]
55-64	12.3	[10.1,15.0]	71,969	76.1	[72.7,79.2]	443,587	11.6	[9.3,14.3]
65 and over	4.4	[3.4,5.7]	34,855	83.9	[81.3,86.2]	665,288	11.7	[9.6,14.1]
GENDER								
Male	18.6	[16.5,20.8]	319,843	67.8	[65.0,70.4]	1,168,137	13.7	[11.7,16.0]
Female	11.9	[10.2,13.8]	220,273	77.7	[75.4,79.9]	1,440,949	10.4	[8.9,12.1]
RACE-ETHNICITY								
White, Non-Hispanic	16.4	[14.9,18.1]	342,416	73.3	[71.3,75.3]	1,527,473	10.2	[8.9,11.8]
Black, Non-Hispanic	12.6	[10.0,15.9]	134,583	73.2	[69.3,76.8]	778,793	14.2	[11.5,17.3]
Hispanic	14.8	[8.6,24.3]	28,593	74.0	[64.4,81.7]	142,767	11.2	[6.9,17.7]
Other, Non-Hispanic	13.3	[8.7,19.7]	17,877	74.0	[66.0,80.6]	99,553	12.8	[7.9,20.0]
Don't know/No answer	16.1	[9.6,25.8]	16,647	58.5	[45.1,70.7]	60,499	25.4	[14.2,41.1]
EDUCATION								
Did not graduate HS	16.1	[11.8,21.7]	83,797	65.8	[59.5,71.5]	341,538	18.1	[13.8,23.4]
HS diploma/equivalent	13.2	[10.9,15.8]	158,813	73.9	[70.7,77.0]	891,549	12.9	[10.6,15.6]
Some college/2-year college degree	15.6	[13.4,18.2]	161,979	74.1	[71.0,77.0]	767,473	10.2	[8.2,12.7]
4-year college degree or higher	16.8	[14.7,19.2]	135,528	74.6	[72.0,77.0]	600,533	8.6	[7.1,10.3]
Don't know/No answer	---	---	---	68.1	[38.5,87.9]	7,993	31.9	[12.1,61.5]
HOUSEHOLD INCOME								
Less than \$25,000	14.3	[11.1,18.2]	98,467	77.2	[72.9,81.0]	532,075	8.5	[6.2,11.5]
\$25,000-\$49,999	14.7	[12.1,17.9]	113,151	77.4	[73.8,80.6]	594,809	7.9	[6.0,10.4]
\$50,000-\$74,999	19.2	[15.0,24.3]	76,599	74.6	[69.4,79.2]	297,840	6.2	[4.1,9.2]
\$75,000 or more	16.0	[12.3,20.5]	50,334	77.0	[71.9,81.5]	242,736	7.0	[4.6,10.6]
Don't know/No answer	14.3	[12.4,16.6]	201,565	67.0	[64.0,69.9]	941,625	18.7	[16.2,21.4]

* Males that consume five or more drinks on one occasion or females who consume four or more drinks on one occasion

14. Immunizations

Analysis of Section 13 (Immunization”) of the 2021 BRFSS Questionnaire

Influenza (the flu) is a contagious respiratory illness caused by influenza viruses. Influenza is especially threatening for vulnerable populations such as children and the elderly. The CDC is unable to estimate the flu burden for 2020-2021 due to the low flu activity.

Approximately two in five Louisiana residents (38.7%) received a vaccination against the flu in the previous year. This is a slight decrease from 2020.

Following previous trends, women (42.2%) are more likely to receive the flu vaccination, compared to men (34.7%). White, Non-Hispanics are more likely to receive the vaccine, compared to any other racial-ethnic group.

While there is not a clear correlation with the flu vaccine and household income, there is a clear gap in receiving the flu vaccine and education and age. Specifically, those with a

4-year college degree or higher are among the largest share of adults who reported receiving a shot/spray. For example, every other category for education hovers in the 30s%, but 50.4% of those with a 4-year college degree or higher report receiving the vaccine. While there is some variation among vaccination reports and age, 62.1% of those who received a flu vaccine in the previous year are 65-years-old or older.

Pneumonia is also a particularly dangerous threat for the elderly, therefore Table 14B deals primarily with the eldest population (65-years-old and older). A majority of Louisiana’s elderly population has also received vaccination against pneumonia (56.0%). Elderly White, Non-Hispanics (60.1%), and Black, Non-Hispanics (51.8%) are among the largest shares of those vaccinated. Like the flu vaccine, as education increased, shares of those with the pneumonia vaccination increased.

Table 14A: Received adult flu shot/spray within past year

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	38.7	[36.8,40.5]	1,241,525	60.5	[58.7,62.4]	1,943,484	0.8	[0.5,1.3]
AGE								
18-24	27.7	[21.4,35.0]	104,604	71.7	[64.4,78.0]	270,977	0.6	[0.1,2.6]
25-34	23.4	[19.2,28.3]	131,567	76.4	[71.5,80.7]	428,895	0.2	[0.0,1.2]
35-44	28.8	[24.8,33.1]	155,938	70.4	[66.0,74.4]	381,537	0.9	[0.4,2.1]
45-54	36.4	[32.4,40.5]	175,022	62.3	[58.1,66.3]	299,658	1.3	[0.7,2.6]
55-64	43.1	[39.3,47.1]	229,765	56.0	[52.1,59.9]	298,373	0.8	[0.3,2.2]
65 and over	62.1	[58.8,65.3]	444,630	36.9	[33.7,40.1]	264,043	1.1	[0.4,2.8]
GENDER								
Male	34.7	[32.1,37.4]	529,948	64.3	[61.6,66.9]	982,241	1.0	[0.6,1.6]
Female	42.2	[39.7,44.8]	711,577	57.1	[54.5,59.6]	961,242	0.7	[0.3,1.4]
RACE-ETHNICITY								
White, Non-Hispanic	41.2	[39.0,43.3]	779,148	58.3	[56.1,60.4]	1,103,647	0.6	[0.3,0.9]
Black, Non-Hispanic	35.0	[31.3,38.9]	330,896	64.2	[60.3,67.9]	606,520	0.9	[0.3,2.3]
Hispanic	38.4	[28.3,49.7]	66,425	60.7	[49.5,70.9]	105,032	0.9	[0.1,5.9]
Other, Non-Hispanic	34.1	[26.6,42.3]	40,816	64.0	[55.6,71.6]	76,659	2.0	[0.6,6.7]
Don't know/No answer	30.4	[21.5,41.0]	24,241	64.7	[53.6,74.4]	51,626	4.9	[1.9,11.9]
EDUCATION								
Did not graduate HS	34.2	[28.4,40.6]	152,911	64.5	[58.1,70.4]	288,041	1.3	[0.4,4.7]
HS diploma/equivalent	36.1	[32.8,39.5]	384,010	63.3	[59.8,66.6]	672,790	0.6	[0.3,1.3]
Some college/2-year college degree	34.7	[31.6,37.9]	329,109	64.7	[61.5,67.8]	613,414	0.6	[0.3,1.3]
4-year college degree or higher	50.4	[47.4,53.3]	374,106	49.1	[46.2,52.1]	364,754	0.5	[0.2,1.2]
Don't know/No answer	13.7	[3.3,42.6]	1,390	44.2	[15.1,77.9]	4,485	42.1	[14.9,75.2]
HOUSEHOLD INCOME								
Less than \$25,000	36.1	[31.8,40.6]	231,050	62.5	[57.9,66.8]	400,386	1.5	[0.6,3.6]
\$25,000-\$49,999	33.5	[29.9,37.2]	241,441	66.4	[62.6,69.9]	478,490	0.2	[0.0,0.6]
\$50,000-\$74,999	39.9	[35.1,45.0]	152,279	59.9	[54.8,64.8]	228,299	0.2	[0.0,1.1]
\$75,000 or more	40.6	[34.5,46.9]	119,673	59.2	[52.9,65.3]	174,824	0.2	[0.0,1.2]
Don't know/No answer	42.4	[39.3,45.5]	497,083	56.4	[53.3,59.4]	661,485	1.2	[0.8,2.0]

Table 14B: Has received pneumonia vaccination (among age 65 years or older)

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	56.0	[52.9,59.1]	467,910	24.5	[22.0,27.3]	205,124	19.5	[17.0,22.2]
AGE								
18-24	---	---	---	---	---	---	---	---
25-34	---	---	---	---	---	---	---	---
35-44	---	---	---	---	---	---	---	---
45-54	---	---	---	---	---	---	---	---
55-64	---	---	---	---	---	---	---	---
65 and over	59.0	[55.8,62.2]	467,910	25.9	[23.2,28.8]	205,124	15.1	[12.8,17.6]
GENDER								
Male	53.3	[48.8,57.8]	197,965	26.3	[22.6,30.2]	97,503	20.4	[16.8,24.5]
Female	58.1	[53.8,62.3]	269,945	23.2	[19.6,27.1]	107,620	18.7	[15.5,22.4]
RACE-ETHNICITY								
White, Non-Hispanic	60.1	[56.6,63.6]	327,097	23.8	[20.9,26.9]	129,305	16.1	[13.5,19.1]
Black, Non-Hispanic	51.8	[44.9,58.6]	112,746	26.3	[21.0,32.4]	57,220	22.0	[16.7,28.3]
Hispanic	41.6	[20.5,66.4]	9,343	30.5	[9.3,65.4]	6,853	27.8	[12.2,51.5]
Other, Non-Hispanic	41.9	[24.6,61.4]	7,060	23.5	[13.2,38.4]	3,966	34.6	[19.0,54.4]
Don't know/No answer	33.5	[21.0,48.8]	11,665	22.3	[12.4,36.9]	7,780	44.2	[29.5,60.0]
EDUCATION								
Did not graduate HS	54.0	[44.4,63.2]	84,567	25.1	[17.7,34.2]	39,307	20.9	[14.2,29.7]
HS diploma/equivalent	54.7	[49.4,59.9]	156,424	26.2	[21.9,31.0]	74,866	19.1	[15.2,23.7]
Some college/2-year college degree	56.3	[50.7,61.8]	123,579	26.4	[21.8,31.6]	57,898	17.3	[13.3,22.1]
4-year college degree or higher	62.6	[57.7,67.3]	102,540	20.2	[16.6,24.3]	33,052	17.2	[13.5,21.6]
Don't know/No answer	8.7	[1.1,44.3]	801	---	---	---	91.3	[55.7,98.9]
HOUSEHOLD INCOME								
Less than \$25,000	57.5	[50.6,64.2]	101,071	29.3	[23.5,35.9]	51,482	13.2	[9.0,18.8]
\$25,000-\$49,999	62.7	[56.6,68.4]	124,280	25.8	[21.1,31.2]	51,221	11.5	[7.9,16.4]
\$50,000-\$74,999	72.8	[65.1,79.4]	59,943	21.3	[15.6,28.5]	17,554	5.9	[3.1,10.7]
\$75,000 or more	63.8	[52.7,73.5]	41,614	24.4	[16.4,34.9]	15,956	11.8	[6.0,21.9]
Don't know/No answer	44.9	[39.7,50.1]	141,003	21.9	[17.6,27.0]	68,910	33.2	[28.4,38.4]

15. HIV / AIDS Screening

Analysis of Section 14 ("HIV/AIDS") of the 2021 BRFSS Questionnaire

Testing for HIV/AIDS is an effective way to monitor the condition. There is no change in the percent of Louisiana adults ever being tested for HIV/AIDS from 2020 to 2021. 40.6% of adults report ever being tested.

HIV testing is associated with age, household income, and race. Consistent with the 2020 trend, adults between the ages of 25 and 54 are the most likely to have been tested. The smallest shares are among 18–24-year-olds (30.5%) and those 65 years or older (17.7%), while the largest share of adults reporting have been tested is 35–44-year-olds (59%).

There is a directional correlation between reports of being tested for HIV/AIDS and household income. Specifically, as income increases, reports of testing decreases. For example, the largest share of adults reporting testing are those reporting a household income of less than \$25,000 (47.4%), compared to those with a reported income of \$75,000 or more (37.2%).

Of those who reported having been tested, 32.1% are White, Non-Hispanics, while 57.1% are Black, Non-Hispanics, which indicates a large variation (25% difference) in testing among racial-ethnic groups .

Table 15: Ever tested for HIV								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	40.6	[38.6,42.5]	1,291,427	54.5	[52.6,56.5]	1,735,999	4.9	[4.2,5.7]
AGE								
18-24	30.5	[23.9,38.1]	115,329	67.5	[59.9,74.2]	254,790	2.0	[0.9,4.4]
25-34	54.4	[48.8,59.9]	303,839	41.6	[36.2,47.2]	232,214	4.1	[2.4,6.7]
35-44	59.0	[54.2,63.6]	317,839	38.0	[33.5,42.8]	205,004	3.0	[1.9,4.6]
45-54	51.9	[47.6,56.2]	246,632	42.4	[38.2,46.6]	201,239	5.7	[4.0,8.0]
55-64	34.7	[31.0,38.6]	183,141	59.0	[55.0,62.8]	311,366	6.4	[4.6,8.7]
65 and over	17.7	[15.2,20.5]	124,648	75.4	[72.4,78.2]	531,386	6.9	[5.4,8.7]
GENDER								
Male	39.0	[36.1,41.9]	588,386	55.6	[52.7,58.5]	839,766	5.4	[4.4,6.7]
Female	42.0	[39.4,44.7]	703,041	53.6	[50.9,56.2]	896,234	4.4	[3.5,5.5]
RACE-ETHNICITY								
White, Non-Hispanic	32.1	[30.0,34.3]	603,004	61.2	[58.9,63.4]	1,148,632	6.7	[5.7,7.9]
Black, Non-Hispanic	57.1	[53.0,61.2]	534,339	41.5	[37.4,45.6]	387,916	1.4	[0.8,2.4]
Hispanic	42.1	[32.4,52.5]	72,828	55.2	[44.8,65.2]	95,541	2.6	[0.9,7.2]
Other, Non-Hispanic	44.1	[35.9,52.6]	52,432	54.1	[45.6,62.3]	64,316	1.8	[0.7,4.7]
Don't know/No answer	36.9	[25.5,49.9]	28,824	50.7	[38.5,62.7]	39,595	12.5	[5.9,24.5]
EDUCATION								
Did not graduate HS	41.8	[35.3,48.5]	183,540	53.8	[47.1,60.4]	236,437	4.5	[2.7,7.3]
HS diploma/equivalent	35.0	[31.6,38.7]	369,355	60.0	[56.3,63.5]	632,403	5.0	[3.8,6.5]
Some college/2-year college degree	44.0	[40.6,47.5]	414,265	50.9	[47.5,54.4]	479,525	5.0	[3.8,6.7]
4-year college degree or higher	43.6	[40.6,46.6]	322,135	51.9	[48.9,54.9]	383,241	4.5	[3.6,5.7]
Don't know/No answer	22.8	[5.6,59.7]	2,132	47.1	[16.0,80.6]	4,392	30.1	[7.6,69.4]
HOUSEHOLD INCOME								
Less than \$25,000	47.4	[42.7,52.2]	300,656	48.5	[43.8,53.3]	307,773	4.0	[2.8,5.8]
\$25,000-\$49,999	42.1	[38.0,46.2]	299,970	54.4	[50.3,58.4]	387,914	3.5	[2.3,5.3]
\$50,000-\$74,999	42.3	[37.0,47.8]	159,174	52.5	[47.2,57.8]	197,828	5.2	[3.3,8.0]
\$75,000 or more	37.2	[31.2,43.6]	109,490	58.1	[51.7,64.3]	171,326	4.7	[2.9,7.7]
Don't know/No answer	36.3	[33.2,39.4]	422,136	57.6	[54.5,60.7]	671,158	6.1	[4.9,7.6]

16. Fruit and Vegetable Consumption

Analysis of Section 15 ("Fruits and Vegetables") of the 2021 BRFSS Questionnaire

FRUIT CONSUMPTION

Every few years the BRFSS Survey will include questions on fruit and vegetable consumption. Specifically, the interviewer will ask respondents how often they consume (eat or drink) fruits and vegetables.

Data shows 42.3% of Louisiana adults report consuming fruits at least one time per day, which is slightly lower than the 2017 (47.8%) data, when these questions were last asked. In general 18-54-year-olds consume about the same share of fruit consumption (39-41.8%), however, adults 55-years and older are among the larger shares of adults reporting to consume fruit at least one time per day.

A larger share of women (44.8%) report consuming fruit at least one time per day, compared to men (39.8%). Of the adults reporting consuming fruit at least one time per day, 39.6% are White, Non-Hispanics, and 40.7% are Other, Non-Hispanics. There is a 7% jump to Black, Non-Hispanics consuming fruit at least once per day (47%), with Hispanics holding the largest share (50.3%).

Education correlates with fruit consumption, but this does not appear to be the case with household income. As education increases, reports of fruit consumption also increase. For example, 38.5% of adults reporting to consume fruit at least once per day, did not finish high school, while 45.9% of adults consuming fruit at least once per day have a 4-year college degree or higher.

VEGETABLE CONSUMPTION

Interestingly, when asked if they consume vegetables at least one time per day, 20.3% of Louisiana adults refused to answer or were unsure if they did or not, but 59.3% of Louisiana adults report consuming vegetables at least one time per day. Vegetable consumption is clearly correlated with gender, and socio-economic demographics. There is variation among age groups for vegetable consumption, with the smallest share of vegetable consumption being among 18-24-year-olds (50.9%), while the largest share is among 35-44-year-olds (65.6). However, for gender, there is an 6.4% difference between women (62.4%) and men (56%). Like age, there is variance among race-ethnicity that does not present a clear correlation. However, Other, Non-Hispanics (63.8%) and White, Non-Hispanics (63.7%) are among the largest shares of adults consuming vegetables at least one time per day, while Black, Non-Hispanics are among the smallest share (50.8%).

Education is correlated with vegetable consumption. As education increases, reports of vegetable consumption increases. For example, 48.6% of adults reporting vegetable consumption did not graduate high school, while 70.1% who report vegetable consumption have a 4-year college degree or higher. Regarding income, the smallest share of vegetable consumption are adults reporting a household income of less than \$25,000. However, the largest share of vegetable consumption is not among the largest income group, rather, those with an income of \$50,000-\$74,999 report the highest share of consumption, at 71.5%.

Table 16A: Adults who consume fruit at least one time per day

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	42.3	[40.5,44.2]	1,516,157	40.0	[38.2,41.8]	1,431,827	17.6	[16.1,19.2]
AGE								
18-24	41.8	[34.8,49.2]	179,058	37.5	[31.0,44.5]	160,675	20.7	[14.6,28.4]
25-34	39.0	[33.9,44.4]	247,986	44.5	[39.3,49.9]	282,888	16.5	[12.7,21.1]
35-44	40.8	[36.4,45.3]	245,563	43.4	[38.9,47.9]	261,130	15.9	[12.8,19.5]
45-54	41.8	[37.8,45.9]	224,225	41.3	[37.4,45.3]	221,502	16.9	[14.2,20.0]
55-64	43.0	[39.3,46.8]	250,556	41.2	[37.5,45.0]	240,004	15.8	[13.2,18.9]
65 and over	46.5	[43.4,49.7]	368,769	33.5	[30.7,36.5]	265,628	20.0	[17.3,22.9]
SEX OF RESPONDENT								
Male	39.8	[37.1,42.5]	686,197	41.3	[38.7,44.1]	712,664	18.9	[16.6,21.3]
Female	44.8	[42.3,47.3]	829,960	38.8	[36.4,41.2]	719,163	16.4	[14.5,18.5]
RACE-ETHNICITY								
White, Non-Hispanic	39.6	[37.5,41.8]	825,411	44.8	[42.6,46.9]	932,353	15.6	[14.0,17.4]
Black, Non-Hispanic	47.0	[43.1,51.0]	500,351	33.5	[29.9,37.3]	356,458	19.5	[16.4,23.0]
Hispanic	50.3	[40.5,60.2]	97,184	32.3	[23.8,42.1]	62,311	17.4	[10.5,27.5]
Other, Non-Hispanic	40.7	[33.1,48.8]	54,779	40.7	[33.1,48.8]	54,812	18.6	[12.7,26.4]
Don't know/No answer	37.2	[27.0,48.7]	38,432	25.0	[15.7,37.5]	25,892	37.8	[25.7,51.6]
EDUCATION								
Did not graduate HS	38.5	[32.6,44.7]	199,739	34.4	[28.9,40.3]	178,415	27.2	[21.9,33.1]
HS diploma/equivalent	40.0	[36.7,43.4]	482,744	41.2	[37.9,44.6]	496,502	18.8	[16.0,21.9]
Some college/2-year college degree	44.5	[41.2,47.9]	461,081	40.7	[37.4,44.0]	420,970	14.8	[12.5,17.4]
4-year college degree or higher	45.9	[43.1,48.7]	369,450	41.2	[38.5,44.1]	331,818	12.9	[11.1,14.9]
Don't know/No answer	26.8	[6.5,65.7]	3,143	35.1	[12.6,67.0]	4,122	38.1	[15.5,67.4]
HOUSEHOLD INCOME								
Less than \$25,000	43.9	[39.4,48.5]	302,549	37.5	[33.3,41.9]	258,288	18.6	[14.8,23.1]
\$25,000-\$49,999	43.4	[39.5,47.3]	333,264	44.3	[40.4,48.2]	340,433	12.4	[10.0,15.1]
\$50,000-\$74,999	51.6	[46.4,56.7]	205,777	39.6	[34.7,44.6]	157,943	8.9	[6.5,12.0]
\$75,000 or more	43.9	[38.0,50.0]	138,389	45.6	[39.5,51.7]	143,566	10.5	[7.6,14.4]
Don't know/No answer	38.1	[35.3,41.1]	536,179	37.8	[35.0,40.7]	531,596	24.0	[21.4,26.9]

Table 16B: Adults who consume vegetables at least one time per day

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	59.3	[57.4,61.2]	2,122,233	20.4	[19.0,21.9]	730,621	20.3	[18.7,21.9]
AGE								
18-24	50.9	[43.5,58.1]	217,729	26.5	[20.8,33.1]	113,445	22.6	[16.6,30.1]
25-34	60.9	[55.5,66.0]	386,889	16.6	[13.1,20.9]	105,601	22.5	[18.1,27.5]
35-44	65.6	[61.1,69.8]	394,912	17.7	[14.5,21.4]	106,468	16.8	[13.5,20.6]
45-54	58.9	[54.8,62.9]	316,140	21.7	[18.4,25.3]	116,227	19.4	[16.3,23.0]
55-64	61.9	[58.1,65.6]	360,806	21.9	[18.9,25.4]	127,835	16.2	[13.6,19.2]
65 and over	56.2	[53.0,59.4]	445,757	20.3	[18.0,22.9]	161,046	23.4	[20.6,26.6]
SEX OF RESPONDENT								
Male	56.0	[53.2,58.8]	965,885	21.3	[19.2,23.6]	367,992	22.6	[20.2,25.3]
Female	62.4	[59.9,64.8]	1,156,348	19.6	[17.6,21.7]	362,629	18.1	[16.1,20.1]
RACE-ETHNICITY								
White, Non-Hispanic	63.7	[61.5,65.8]	1,326,028	19.0	[17.3,20.8]	396,024	17.3	[15.7,19.1]
Black, Non-Hispanic	50.8	[46.8,54.7]	540,471	25.8	[22.6,29.2]	274,289	23.4	[20.1,27.1]
Hispanic	59.8	[49.6,69.3]	115,510	15.8	[10.5,23.1]	30,465	24.4	[16.1,35.2]
Other, Non-Hispanic	63.8	[55.6,71.2]	85,828	14.9	[10.5,20.8]	20,113	21.3	[14.9,29.5]
Don't know/No answer	52.6	[40.0,64.9]	54,396	9.4	[5.3,16.2]	9,730	38.0	[25.9,51.7]
EDUCATION								
Did not graduate HS	48.6	[42.4,54.8]	252,250	23.4	[19.1,28.4]	121,688	28.0	[22.8,33.8]
HS diploma/equivalent	53.9	[50.4,57.3]	649,980	21.8	[19.1,24.7]	262,798	24.3	[21.2,27.6]
Some college/2-year college degree	62.9	[59.6,66.1]	651,411	20.2	[17.6,23.0]	208,722	16.9	[14.4,19.7]
4-year college degree or higher	70.1	[67.3,72.7]	563,981	16.9	[14.7,19.3]	136,150	13.0	[11.2,15.0]
Don't know/No answer	39.3	[13.9,72.3]	4,611	10.8	[2.4,37.2]	1,263	49.9	[21.9,78.0]
HOUSEHOLD INCOME								
Less than \$25,000	52.3	[47.7,56.9]	360,771	26.9	[23.3,30.9]	185,363	20.8	[16.9,25.3]
\$25,000-\$49,999	60.4	[56.5,64.1]	464,033	23.2	[20.1,26.6]	178,241	16.4	[13.7,19.7]
\$50,000-\$74,999	71.5	[66.7,75.8]	285,416	16.8	[13.3,21.1]	67,253	11.6	[8.9,15.1]
\$75,000 or more	69.4	[63.5,74.8]	218,757	20.1	[15.5,25.6]	63,261	10.5	[7.4,14.8]
Don't know/No answer	56.4	[53.4,59.4]	793,256	16.8	[14.7,19.2]	236,504	26.7	[24.0,29.7]

17. Hepatitis

Analysis of Optional Module 4 ("Hepatitis Treatment") of the 2021 BRFSS Questionnaire

The 2021 Louisiana BRFSS questions about diagnosis and treatment of Hepatitis C and Hepatitis B.

In Louisiana, 2.0% of adults have been diagnosed with Hepatitis C. Demographic differences are relatively small, but incidence of Hepatitis C is highest among adults 55-years-old and older, and is more prevalent among men (2.8%), than women (1.3%). Moreover, incidences are higher among White, Non-Hispanics, and Black, Non-Hispanics, in comparison to other racial-ethnic groups, and is highest among those that did not graduate high school. Moreover, the largest share of Hepatitis C diagnoses is among those with a reported household income of less than \$25,000.

21.9% of the 2% ever diagnosed with Hepatitis C, still have a Hepatitis C diagnosis.

Among those ever diagnosed, 37.4% received treatment prior to 2015 and 49.5% received treatment since 2015.

Less than one percent (0.7) of Louisiana adults have been diagnosed with Hepatitis B. Demographic differences are relatively small, but incidence of Hepatitis B is highest among White, Non-Hispanics residents of Louisiana (0.9%), adults over 55-years of age, and those with a reported household income of less than \$50,000,

Among those diagnosed with Hepatitis B (a sample too small to permit meaningful demographic breakdowns), 5.7% are currently receiving medical treatment.

Table 17A: Ever diagnosed with Hepatitis C

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	2.0	[1.5,2.7]	57,079	97.6	[96.9,98.2]	2,834,712	0.4	[0.3,0.7]
AGE								
18-24	0.3	[0.0,1.9]	866	99.7	[98.1,100.0]	315,798	---	---
25-34	0.2	[0.0,1.6]	1,147	99.2	[97.7,99.7]	494,409	0.6	[0.2,1.9]
35-44	1.6	[0.6,4.1]	7,867	98.3	[95.8,99.3]	489,122	0.2	[0.0,0.7]
45-54	2.0	[0.7,5.3]	8,899	97.5	[94.3,98.9]	432,676	0.5	[0.1,1.9]
55-64	4.4	[2.8,6.7]	21,455	95.4	[93.0,97.0]	468,209	0.3	[0.1,1.2]
65 and over	2.6	[1.6,4.1]	16,845	96.7	[95.1,97.7]	634,498	0.8	[0.4,1.5]
GENDER								
Male	2.8	[1.9,4.1]	37,801	96.9	[95.6,97.9]	1,329,381	0.3	[0.1,0.7]
Female	1.3	[0.8,1.9]	19,278	98.2	[97.4,98.7]	1,505,331	0.5	[0.3,1.0]
RACE-ETHNICITY								
White, Non-Hispanic	2.1	[1.4,3.0]	35,590	97.5	[96.6,98.1]	1,677,961	0.5	[0.3,0.8]
Black, Non-Hispanic	2.1	[1.1,3.8]	17,578	97.6	[95.9,98.6]	835,369	0.3	[0.1,1.1]
Hispanic	1.8	[0.4,7.2]	2,813	98.2	[92.8,99.6]	151,809	---	---
Other, Non-Hispanic	0.6	[0.2,2.0]	634	99.1	[97.6,99.7]	104,432	0.2	[0.0,1.8]
Don't know/No answer	0.7	[0.1,4.8]	465	97.3	[88.3,99.4]	65,141	2.0	[0.3,12.9]
EDUCATION								
Did not graduate HS	5.7	[3.1,10.2]	22,691	94.1	[89.6,96.7]	372,653	0.1	[0.0,1.1]
HS diploma/equivalent	2.0	[1.3,3.1]	18,576	97.4	[96.2,98.3]	918,015	0.6	[0.3,1.3]
Some college/2-year college degree	1.3	[0.8,2.2]	11,413	98.3	[97.4,98.9]	857,039	0.4	[0.2,0.9]
4-year college degree or higher	0.6	[0.4,1.1]	4,286	99.1	[98.6,99.5]	681,323	0.2	[0.1,0.6]
Don't know/No answer	1.6	[0.2,12.2]	113	79.6	[32.8,96.9]	5,683	18.8	[2.5,67.6]
HOUSEHOLD INCOME								
Less than \$25,000	4.3	[2.6,7.2]	24,873	95.1	[92.2,96.9]	545,522	0.6	[0.2,1.6]
\$25,000-\$49,999	2.5	[1.4,4.2]	16,027	97.2	[95.5,98.3]	628,985	0.3	[0.1,1.0]
\$50,000-\$74,999	0.7	[0.3,1.9]	2,497	98.8	[97.5,99.4]	338,356	0.5	[0.2,1.4]
\$75,000 or more	1.9	[0.8,4.6]	5,323	97.8	[95.2,99.0]	275,035	0.3	[0.1,0.9]
Don't know/No answer	0.8	[0.4,1.5]	8,360	98.8	[98.0,99.3]	1,046,814	0.4	[0.2,1.1]

Table 17B: Currently diagnosed with Hepatitis C (among those ever diagnosed)								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	21.9	[9.6,42.5]	12,073	62.2	[44.6,77.1]	101,091.92	15.9	[7.1,31.9]
AGE								
18-24	---	---	---	---	---	---	100.0	---
25-34	---	---	---	100.0	---	1,147	---	---
35-44	52.2	[13.1,88.7]	4,104	47.8	[11.3,86.9]	3,763	---	---
45-54	59.0	[18.6,90.1]	5,250	30.3	[7.6,69.9]	2,701	10.7	[1.2,54.3]
55-64	7.8	[2.6,21.5]	1,524	76.1	[50.3,90.9]	14,866	16.1	[4.1,46.5]
65 and over	7.1	[1.7,25.8]	1,196	70.3	[41.4,88.8]	11,839	22.6	[6.4,55.7]
GENDER								
Male	27.8	[10.8,55.1]	9,971	57.5	[35.2,77.1]	20,634	14.7	[5.0,36.2]
Female	10.9	[3.5,29.3]	2,103	71.0	[46.3,87.4]	13,682	18.1	[5.3,46.8]
RACE-ETHNICITY								
White, Non-Hispanic	22.6	[9.6,44.7]	7,621	58.2	[38.3,75.8]	19,603	19.1	[7.1,42.1]
Black, Non-Hispanic	24.1	[3.8,71.6]	4,234	62.7	[27.5,88.2]	11,020	13.2	[3.5,39.0]
Hispanic	---	---	---	100.0	---	2,813	---	---
Other, Non-Hispanic	34.4	[3.9,87.2]	218	65.6	[12.8,96.1]	415	---	---
Don't know/No answer	---	---	---	100.0	---	465	---	---
EDUCATION								
Did not graduate HS	46.9	[18.7,77.2]	9,736	25.4	[8.5,55.4]	5,267	27.8	[9.1,59.6]
HS diploma/equivalent	7.6	[2.3,22.7]	1,420	78.1	[52.3,92.0]	14,501	14.3	[3.3,44.6]
Some college/2-year college degree	2.3	[0.3,15.8]	263	97.7	[84.2,99.7]	11,150	---	---
4-year college degree or higher	15.3	[4.5,40.6]	655	76.6	[49.0,91.8]	3,285	8.1	[1.1,41.5]
Don't know/No answer	---	---	---	100.0	---	113	---	---
HOUSEHOLD INCOME								
Less than \$25,000	43.9	[19.1,72.1]	10,067	43.9	[21.6,68.9]	10,072	12.3	[3.3,36.4]
\$25,000-\$49,999	5.0	[0.7,29.9]	807	74.9	[41.3,92.7]	12,002	20.1	[4.5,57.1]
\$50,000-\$74,999	---	---	---	100.0	---	2,497	---	---
\$75,000 or more	---	---	---	100.0	---	5,323	---	---
Don't know/No answer	14.4	[4.3,38.6]	1,200	52.9	[23.6,80.3]	4,423	32.7	[9.0,70.7]

Table 17C: Treated for Hepatitis C prior to 2015

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	37.4	[24.5,52.4]	20,632	61.9	[46.9,75.0]	34,167	0.7	[0.1,4.8]
AGE								
18-24	---	---	---	100.0	---	866	---	---
25-34	---	---	---	100.0	---	1,147	---	---
35-44	---	---	---	100.0	---	7,867	---	---
45-54	26.0	[6.3,64.6]	2,310	74.0	[35.4,93.7]	6,589	---	---
55-64	31.5	[15.2,54.1]	6,151	68.5	[45.9,84.8]	13,386	---	---
65 and over	72.3	[51.5,86.4]	12,171	25.6	[12.1,46.1]	4,312	2.1	[0.3,14.7]
GENDER								
Male	37.0	[20.6,57.1]	13,289	62.0	[41.9,78.6]	22,232	1.0	[0.1,7.3]
Female	38.1	[20.5,59.4]	7,343	61.9	[40.6,79.5]	11,935	---	---
RACE-ETHNICITY								
White, Non-Hispanic	39.6	[23.7,58.1]	13,337	59.3	[40.9,75.5]	19,973	1.1	[0.1,7.7]
Black, Non-Hispanic	25.8	[10.0,52.1]	4,531	74.2	[47.9,90.0]	13,047	---	---
Hispanic	59.2	[7.9,96.1]	1,666	40.8	[3.9,92.1]	1,147	---	---
Other, Non-Hispanic	100.0	---	634	---	---	---	---	---
Don't know/No answer	100.0	---	465	---	---	---	---	---
EDUCATION								
Did not graduate HS	28.8	[9.8,60.0]	5,977	71.2	[40.0,90.2]	14,796	---	---
HS diploma/equivalent	45.1	[24.6,67.3]	8,370	54.9	[32.7,75.4]	10,207	---	---
Some college/2-year college degree	42.2	[20.5,67.3]	4,811	57.8	[32.7,79.5]	6,602	---	---
4-year college degree or higher	31.8	[13.6,57.9]	1,362	59.8	[33.3,81.6]	2,562	8.4	[1.1,42.6]
Don't know/No answer	100.0	---	113	---	---	---	---	---
HOUSEHOLD INCOME								
Less than \$25,000	31.1	[14.1,55.3]	7,136	68.9	[44.7,85.9]	15,818	---	---
\$25,000-\$49,999	38.9	[16.8,66.9]	6,239	61.1	[33.1,83.2]	9,788	---	---
\$50,000-\$74,999	3.4	[0.4,25.2]	86	96.6	[74.8,99.6]	2,411	---	---
\$75,000 or more	61.9	[21.0,90.9]	3,297	38.1	[9.1,79.0]	2,026	---	---
Don't know/No answer	46.3	[20.1,74.8]	3,874	49.3	[21.5,77.6]	4,124	4.3	[0.5,27.1]

Table 17D: Treated for Hepatitis C after 2015

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	49.5	[34.3,64.8]	27,322	47.2	[32.4,62.6]	26,049	3.2	[0.4,20.3]
AGE								
18-24	100.0	---	866	---	---	---	---	---
25-34	100.0	---	1,147	---	---	---	---	---
35-44	40.8	[9.0,82.7]	3,207	59.2	[17.3,91.0]	4,660	---	---
45-54	67.3	[26.8,92.0]	5,986	32.7	[8.0,73.2]	2,913	---	---
55-64	50.8	[29.1,72.3]	9,932	40.0	[21.3,62.1]	7,815	9.2	[1.3,44.1]
65 and over	36.7	[18.4,59.9]	6,183	63.3	[40.1,81.6]	10,662	---	---
GENDER								
Male	56.5	[35.9,75.1]	20,279	43.5	[24.9,64.1]	15,604	---	---
Female	36.5	[18.1,59.9]	7,043	54.2	[32.3,74.6]	10,446	9.3	[1.3,44.3]
RACE-ETHNICITY								
White, Non-Hispanic	31.6	[17.9,49.6]	10,647	63.1	[44.5,78.5]	21,235	5.3	[0.7,30.1]
Black, Non-Hispanic	77.1	[51.4,91.4]	13,547	22.9	[8.6,48.6]	4,031	---	---
Hispanic	100.0	---	2,813	---	---	---	---	---
Other, Non-Hispanic	49.7	[7.4,92.4]	315	50.3	[7.6,92.6]	318	---	---
Don't know/No answer	---	---	---	100.0	---	465	---	---
EDUCATION								
Did not graduate HS	50.0	[21.2,78.8]	10,394	50.0	[21.2,78.8]	10,379	---	---
HS diploma/equivalent	56.0	[33.6,76.2]	10,394	34.4	[17.8,56.0]	6,393	9.6	[1.3,45.5]
Some college/2-year college degree	36.5	[16.8,62.1]	4,168	63.5	[37.9,83.2]	7,245	---	---
4-year college degree or higher	55.2	[28.7,79.1]	2,367	44.8	[20.9,71.3]	1,919	---	---
Don't know/No answer	---	---	---	100.0	---	113	---	---
HOUSEHOLD INCOME								
Less than \$25,000	52.4	[26.9,76.7]	12,020	47.6	[23.3,73.1]	10,935	---	---
\$25,000-\$49,999	48.4	[23.3,74.3]	7,755	51.6	[25.7,76.7]	8,272	---	---
\$50,000-\$74,999	100.0	---	2,497	---	---	---	---	---
\$75,000 or more	52.8	[15.4,87.3]	2,813	47.2	[12.7,84.6]	2,510	---	---
Don't know/No answer	26.8	[9.9,54.9]	2,238	51.8	[23.1,79.4]	4,333	21.4	[3.3,68.7]

Table 17E: Diagnosed with Hepatitis B

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	0.7	[0.5,1.0]	20,892	98.8	[98.4,99.1]	2,862,664	0.5	[0.3,0.8]
AGE								
18-24	0.3	[0.0,1.9]	866	99.7	[98.1,100.0]	315,798	---	---
25-34	---	---	---	99.8	[98.7,100.0]	497,103	0.2	[0.0,1.3]
35-44	0.6	[0.2,1.8]	2,822	99.3	[98.2,99.7]	493,805	0.2	[0.0,0.6]
45-54	0.3	[0.1,0.8]	1,295	98.6	[96.7,99.4]	436,976	1.1	[0.4,3.2]
55-64	2.0	[1.1,3.5]	9,626	98.0	[96.5,98.9]	477,216	---	---
65 and over	1.0	[0.6,1.6]	6,282	97.9	[96.9,98.5]	641,766	1.2	[0.7,2.0]
GENDER								
Male	0.7	[0.4,1.1]	9,319	98.8	[98.2,99.3]	1,352,034	0.5	[0.2,1.1]
Female	0.8	[0.5,1.3]	11,572	98.7	[98.1,99.1]	1,510,630	0.5	[0.3,0.9]
RACE-ETHNICITY								
White, Non-Hispanic	0.9	[0.6,1.4]	15,728	98.7	[98.2,99.1]	1,694,357	0.3	[0.2,0.6]
Black, Non-Hispanic	0.5	[0.2,1.1]	4,338	98.8	[97.8,99.4]	845,336	0.6	[0.3,1.6]
Hispanic	0.2	[0.0,0.6]	232	99.8	[99.4,100.0]	154,389	---	---
Other, Non-Hispanic	0.5	[0.1,2.0]	521	99.0	[97.5,99.6]	104,326	0.5	[0.1,1.8]
Don't know/No answer	0.1	[0.0,0.8]	73	96.5	[88.5,99.0]	64,255	3.3	[0.9,11.6]
EDUCATION								
Did not graduate HS	0.5	[0.1,2.2]	2,068	98.7	[96.5,99.5]	388,944	0.8	[0.2,3.0]
HS diploma/equivalent	0.8	[0.5,1.5]	7,677	98.6	[97.8,99.2]	927,206	0.5	[0.2,1.2]
Some college/2-year college degree	0.9	[0.5,1.6]	7,700	98.9	[98.1,99.4]	861,259	0.2	[0.1,0.6]
4-year college degree or higher	0.5	[0.3,1.0]	3,447	99.1	[98.5,99.4]	679,460	0.4	[0.2,0.8]
Don't know/No answer	---	---	---	81.2	[32.4,97.5]	5,796	18.8	[2.5,67.6]
HOUSEHOLD INCOME								
Less than \$25,000	1.1	[0.6,2.1]	6,441	97.9	[96.4,98.8]	559,492	0.9	[0.4,2.3]
\$25,000-\$49,999	1.2	[0.7,2.2]	7,792	98.4	[97.3,99.1]	636,631	0.4	[0.1,1.2]
\$50,000-\$74,999	0.8	[0.2,2.5]	2,713	98.7	[97.1,99.4]	337,726	0.5	[0.2,1.5]
\$75,000 or more	0.2	[0.0,0.8]	504	99.7	[99.1,99.9]	280,357	0.1	[0.0,0.7]
Don't know/No answer	0.3	[0.1,0.7]	3,442	99.3	[98.7,99.6]	1,048,458	0.4	[0.2,0.9]

Table 17F: Currently taking medicine for Hepatitis B

	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	5.7	[1.3,2.2]	1,197	94.3	[78.4,98.7]	19,694	---	---
AGE								
18-24	---	---	---	100.0	---	866	---	---
25-34	17.2	[1.8,70.6]	487	82.8	[29.4,98.2]	2,335	---	---
35-44	---	---	---	100.0	---	1,295	---	---
45-54	---	---	---	100.0	---	9,626	---	---
55-64	11.3	[1.5,51.2]	711	88.7	[48.8,98.5]	5,572	---	---
65 and over	---	---	---	100.0	---	866	---	---
GENDER								
Male	7.6	[1.0,40.4]	711	92.4	[59.6,99.0]	8,608	---	---
Female	4.2	[0.5,26.4]	487	95.8	[73.6,99.5]	11,086	---	---
RACE-ETHNICITY								
White, Non-Hispanic	7.6	[1.7,27.6]	1,197	92.4	[72.4,98.3]	14,530	---	---
Black, Non-Hispanic	---	---	---	100.0	---	4,338	---	---
Hispanic	---	---	---	100.0	---	232	---	---
Other, Non-Hispanic	---	---	---	100.0	---	521	---	---
Don't know/No answer	---	---	---	100.0	---	73	---	---
EDUCATION								
Did not graduate HS	34.4	[2.9,90.3]	711	65.6	[9.7,97.1]	1,357	---	---
HS diploma/equivalent	6.3	[0.8,36.3]	487	93.7	[63.7,99.2]	7,190	---	---
Some college/2-year college degree	---	---	---	100.0	---	7,700	---	---
4-year college degree or higher	---	---	---	100.0	---	3,447	---	---
Don't know/No answer	---	---	---	---	---	---	---	---
HOUSEHOLD INCOME								
Less than \$25,000	7.6	[0.9,41.2]	487	92.4	[58.8,99.1]	5,955	---	---
\$25,000-\$49,999	9.1	[1.2,45.9]	711	90.9	[54.1,98.8]	7,081	---	---
\$50,000-\$74,999	---	---	---	100.0	---	2,713	---	---
\$75,000 or more	---	---	---	100.0	---	504	---	---
Don't know/No answer	---	---	---	100.0	---	3,442	---	---

18. COVID-19 Vaccination

Analysis of Optional Module 8 ("COVID Vaccination") of the 2021 BRFSS Questionnaire

The Coronavirus (COVID-19) pandemic posed several difficulties to people worldwide. According to the CDC, COVID-19 can affect anyone, and cause symptoms from mild to very severe. Moreover, the CDC has published a variety of risk factors that raise the risk of getting very sick from COVID-19, such as age, being immunocompromised, or having underlying health conditions such as obesity, or chronic obstructive pulmonary disorder. The spread of COVID-19 hit Louisiana in early March 2020. Mid-year COVID-19 questions were included in the survey. Some questions focused on the COVID-19 vaccination.

VACCINATION STATUS

According to responses, 71% of Louisiana adults report receiving at least one dose of the COVID-19 vaccination. Vaccinations correlated with most of the demographics included in the tables. While there is not a clear pattern of specific age groups receiving the COVID-19 vaccination, most adults 65-years-old and older received the vaccine. Of adults who received the vaccine, 89.7% were 65-years-old or older, while the smallest share of recipients were 25-34-year-olds (58.4%). More women received the vaccine (74.7%) than men (67.2%). Hispanics (79.3%), and Black, Non-Hispanics (77.6%) made up the largest shares of Louisiana adults who received at least one dose of the COVID-19 vaccination. Vaccinations also correlated with socioeconomic factors. As education increased, reports of receiving the vaccine also increased. For example, the smallest share of COVID-19 vaccination recipients was those who did not finish high school (60.3%),

while the largest share was those with a 4-year college degree or higher (84.9%). There is not a clear correlation between household income and receiving the COVID-19 vaccination, however those with a household income of less than \$25,000 were among the smallest share (66.9%).

INTENT TO VACCINATE

Moreover, if an interviewee responded that they had not received the COVID-19 vaccination, the interviewer followed-up with a question regarding intention of receiving the COVID-19 vaccine. Of the adults who did not receive a COVID-19 vaccination, 14.9% said they *will definitely* or *will probably* get the COVID-19 vaccination, while 58.5% said they *will definitely not* or *will probably not* get the vaccine. However, over one-fourth (26.6%) of respondents who did not receive the vaccine indicated they were *unsure* or *refused* to answer. 18-24-year-olds (21.5%) are among the largest share of adults who said they would *definitely* or *probably* get the vaccine, while 25-34-year-olds (9.7%) are among the smallest shares. Women (16.2%), are more like to get the vaccine, compared to men (13.8%), and Hispanics (29.5%) are among the largest share of adults that will *definitely* get or will *probably* get the vaccine. Those who did not finish high school (21.5%) are among the largest share of adults likely to get the vaccine, while those with a 4-year college degree or higher (10.6%) and those with a high school diploma (10.9%) are among the smallest shares to *definitely* or *probably* get the vaccine. While there is not a clear correlation, adults reporting the highest

income (\$75,000 or more), were among the smallest group to indicated they would *definitely* or *probably* receive the vaccination,

while those with a reported income of \$50,000 to \$74,999 were among the largest shares.

Table 18A: Has received at least one shot of the COVID-19 Vaccination								
	Yes			No			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	71.0	[68.5,73.5]	1,217,919	27.9	[25.5,30.5]	478,222	1.1	[0.7,1.7]
AGE								
18-24	61.6	[50.8,71.4]	122,400	38.4	[28.6,49.2]	76,375	---	---
25-34	58.4	[50.9,65.7]	175,720	40.9	[33.7,48.5]	122,964	0.7	[0.2,2.6]
35-44	61.5	[55.2,67.4]	190,898	36.5	[30.6,42.8]	113,380	2.0	[0.8,5.2]
45-54	71.7	[66.4,76.5]	185,861	25.8	[21.2,31.0]	66,897	2.5	[1.1,5.3]
55-64	77.0	[72.3,81.1]	216,777	22.0	[18.0,26.7]	62,034	1.0	[0.4,2.3]
65 and over	89.7	[86.6,92.2]	326,263	10.1	[7.6,13.2]	36,573	0.2	[0.1,0.7]
GENDER								
Male	67.2	[63.3,70.9]	561,168	31.4	[27.8,35.3]	262,445	1.3	[0.7,2.5]
Female	74.7	[71.2,77.8]	656,751	24.5	[21.4,28.0]	215,778	0.8	[0.4,1.6]
RACE-ETHNICITY								
White, Non-Hispanic	68.3	[65.3,71.1]	708,933	30.8	[27.9,33.8]	319,520	0.9	[0.5,1.7]
Black, Non-Hispanic	77.6	[71.5,82.7]	376,076	22.4	[17.3,28.5]	108,417	---	---
Hispanic	79.3	[67.3,87.7]	74,844	20.7	[12.3,32.7]	19,524	---	---
Other, Non-Hispanic	68.2	[56.8,77.8]	41,262	25.9	[17.5,36.4]	15,640	5.9	[1.9,16.9]
Don't know/No answer	45.6	[28.3,64.0]	16,804	41.0	[22.8,62.1]	15,120	13.4	[5.0,31.4]
EDUCATION								
Did not graduate HS	60.3	[51.2,68.9]	139,346	39.0	[30.5,48.2]	90,093	0.6	[0.1,4.4]
HS diploma/equivalent	62.9	[57.9,67.6]	347,890	35.7	[30.9,40.7]	197,162	1.4	[0.7,3.1]
Some college/2-year college degree	74.1	[69.7,78.0]	387,768	25.1	[21.2,29.4]	131,307	0.8	[0.3,2.1]
4-year college degree or higher	84.9	[81.9,87.4]	342,070	14.5	[11.9,17.4]	58,270	0.7	[0.3,1.5]
Don't know/No answer	22.1	[4.5,63.2]	846	36.4	[5.5,85.0]	1,390	41.5	[7.7,85.7]
HOUSEHOLD INCOME								
Less than \$25,000	66.9	[60.3,72.9]	214,413	32.1	[26.1,38.7]	102,858	1.0	[0.3,3.5]
\$25,000-\$49,999	70.7	[65.1,75.8]	264,387	29.3	[24.2,34.9]	109,379	---	---
\$50,000-\$74,999	74.3	[66.5,80.8]	160,589	24.3	[17.9,32.2]	52,595	1.3	[0.4,4.0]
\$75,000 or more	71.3	[63.1,78.2]	121,612	28.4	[21.5,36.6]	48,528	0.3	[0.1,1.2]
Don't know/No answer	72.1	[68.0,75.9]	456,918	26.0	[22.3,30.1]	164,862	1.8	[1.0,3.3]

***COVID-19 questions were implemented mid-data collection**

Table 18B: COVID-19 Vaccination Intention

	Will definitely, or will probably get vaccine			Will definitely not, or will probably not get vaccine			DK/Ref	
	%	95% CI	Est. Pop.	%	95% CI	Est. Pop.	%	95% CI
Total	14.9	[11.5,19.1]	70,946	58.5	[52.9,63.9]	279,007	26.6	[21.8,32.0]
AGE								
18-24	21.5	[10.9,38.0]	16,224	40.6	[24.1,59.5]	30,636	37.9	[21.9,57.1]
25-34	9.7	[5.1,17.5]	11,909	65.3	[53.4,75.5]	80,236	25.1	[16.0,37.0]
35-44	11.3	[6.0,20.4]	12,836	60.1	[49.1,70.2]	68,163	28.6	[19.7,39.4]
45-54	20.1	[11.9,31.9]	13,340	65.0	[53.6,74.9]	43,217	15.0	[9.1,23.6]
55-64	19.2	[11.6,30.1]	11,891	54.2	[42.9,65.1]	33,633	26.6	[17.8,37.9]
65 and over	13.0	[5.0,29.6]	4,745	63.2	[47.3,76.7]	23,122	23.8	[12.8,39.9]
GENDER								
Male	13.8	[9.4,19.8]	35,981	63.0	[55.0,70.3]	164,459	23.3	[16.8,31.3]
Female	16.2	[11.4,22.5]	34,964	53.1	[45.2,60.8]	114,548	30.7	[24.0,38.3]
RACE-ETHNICITY								
White, Non-Hispanic	11.1	[7.8,15.6]	35,605	65.3	[59.4,70.8]	208,739	23.5	[18.8,29.1]
Black, Non-Hispanic	24.8	[15.3,37.6]	26,709	39.7	[26.0,55.3]	42,747	35.4	[22.3,51.1]
Hispanic	29.5	[11.7,56.8]	5,751	21.3	[8.0,45.7]	4,161	49.2	[24.7,74.2]
Other, Non-Hispanic	18.4	[6.8,41.2]	2,880	64.4	[43.5,80.9]	10,069	17.2	[7.1,36.0]
Don't know/No answer	---	---	---	90.2	[58.2,98.4]	13,291	9.8	[1.6,41.8]
EDUCATION								
Did not graduate HS	21.5	[12.2,35.0]	19,351	61.0	[46.4,73.9]	54,977	17.5	[9.4,30.3]
HS diploma/equivalent	10.9	[6.6,17.6]	21,430	54.7	[45.5,63.7]	107,240	34.3	[25.7,44.1]
Some college/2-year college degree	18.3	[12.1,26.6]	23,986	57.5	[48.1,66.4]	75,501	24.2	[17.1,33.2]
4-year college degree or higher	10.6	[5.6,19.1]	6,179	70.9	[61.0,79.1]	41,290	18.5	[12.2,27.1]
Don't know/No answer	---	---	---	---	---	---	100.0	---
HOUSEHOLD INCOME								
Less than \$25,000	12.1	[6.6,21.3]	12,485	57.0	[44.7,68.5]	58,618	30.9	[21.0,42.8]
\$25,000-\$49,999	14.9	[8.4,25.1]	16,137	58.5	[46.8,69.2]	63,208	26.6	[17.7,37.9]
\$50,000-\$74,999	16.1	[7.9,30.1]	8,470	52.1	[34.5,69.3]	27,422	31.8	[15.6,54.0]
\$75,000 or more	9.9	[3.9,23.0]	4,808	62.6	[45.2,77.3]	30,394	27.5	[14.4,46.0]
Don't know/No answer	17.6	[11.6,25.8]	29,046	60.3	[51.2,68.7]	99,366	22.1	[15.3,30.8]

About the BRFSS

The Behavioral Risk Factor Surveillance System (BRFSS) is a state-based system of health surveys that collects information on health-related risk behavior, chronic health conditions, and preventative services.

The BRFSS was established in 1984 by the U.S. Centers for Disease Control and Prevention (CDC); currently, data is collected monthly in all 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands and Guam. More than 400,000 adults are interviewed each year, making the BRFSS the largest telephone health survey in the world, and the nation's premier system of health-related telephone surveys. BRFSS data can be used to monitor health problems and behaviors, and be used to aid legislative action.

Methodology

In this report, we present the findings from the 2021 BRFSS survey for the state of Louisiana. The findings are based on 5,102 weighted participants who were interviewed on either landline or cellular telephones. The cell-phone-only population has grown remarkably over the last several years. In 2021, most interviews were taken via cellular phones, with over 4,000 responses coming from the cellular telephone sample. By including both landline and cellular telephones into the sample, BRFSS can reduce bias.

Weighting is a statistical tool that reduces bias, by adjusting the sample to reflect probabilities of selection and participation among demographics. The BRFSS uses *iterative proportional fitting, or raking* to adjust demographic differences.

In this report, demographic analyses are based on participant responses and imputed values for age, gender, race, ethnicity, and education in cases when participants failed to provide a response. The CDC conducted the imputation procedure. The CDC did not impute missing values for household income.

The content of the 2021 BRFSS questionnaire was the result of collaborations between experts from federal, state and independent organizations, and are questions seen in other health surveys, such as the National Health Interview Survey. The BRFSS consists of three major components: core questions, optional questions and state-added questions. Core questions include sections on current health-related perceptions, conditions, and behavior, such as health status, health-care access, and consumption of food and beverages. The core component contains questions that are asked every year, and comprise of questions that rotate in even- and odd-numbered years. Optional BRFSS modules are topic-specific such as diabetes, caregiving, and cancer survivorship. Last, state-added questions are questions directly added by individual states; the CDC does not edit, evaluate, or track these responses.

The content is developed with the goal of providing valuable information to local and federal officials on the health practices and problems residents face, by providing estimates of prevalence within each state. Because of the variation of topics, validity may vary. It is possible, for some demographics to be excluded from the analysis due to a small sample size, and if estimates cannot be computed with a reasonable degree of confidence.

More details on BRFSS methodology for collecting and weighting data are available at:

https://www.cdc.gov/brfss/annual_data/2021/pdf/Overview_2021-508.pdf

https://www.cdc.gov/brfss/annual_data/2021/pdf/Complex-Sampling-Weights-and-Preparing-Module-Data-for-Analysis-2021-508.pdf

https://www.cdc.gov/brfss/annual_data/2021/pdf/2021_ResponseRates_Table-508.pdf

Copies of the added modules and codebooks are available at:

<https://www.cdc.gov/brfss/questionnaires/modules/state2021.htm>

https://www.cdc.gov/brfss/annual_data/2021/pdf/Overview_2021-508.pdf

About the Public Policy Research Lab

Louisiana State University's Public Policy Research Lab (PPRL) is a research center dedicated to high quality data collection and analytics, with a special emphasis on survey research. The lab is a joint effort of the Manship School of Mass Communication's Reilly Center and Public Affairs and the College of Humanities and Social Sciences at Louisiana State University.

PPRL provides survey research services, primarily via telephone, but can engage in data collection via mail-in services and e-mail. Beyond survey research, the lab offers other services such as data analytics, social media analysis, and focus groups. PPRL has more than 115 computer-assisted telephone interview call stations and a corps of highly-trained, well-supervised professional callers. LSU's PPRL is one of the largest phone survey data collection facilities in the Southeastern Conference.

PPRL is dedicated to meeting the unique goals and objectives for each project by working closely with those seeking data, research expertise, or analysis. PPRL's clients have included: the federal Center for Disease Control and Prevention, the Louisiana Department of Health and Hospitals, the Louisiana Department of Labor, Louisiana Public Broadcasting, the Mississippi-Alabama Sea Grant Consortium, and the Baton Rouge Area Foundation. Beyond collecting BRFSS data for Louisiana, PPRL collects health data for other U.S. states and territories.

More information on previous surveys may be found at: www.pprllsu.edu

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