



COLORADO YOUTH & YOUNG ADULT COVID-19 VACCINE SURVEY RESULTS

December 2021

Purpose & Overview of Survey

Out Boulder County received a grant from *Together We Protect – Colorado’s COVID-19 Vaccine Equity Fund* to support youth vaccine outreach in partnership with El Centro AMISTAD. The goal of the grant was to understand and then address the needs of the wide diversity of youth and young adults in Boulder County and surrounding counties with youth expertise and experience.

At the time this survey was designed in collaboration with adult staff and youth interns hired for the project, there were no state or county data on vaccination rates of youth and young adults belonging to marginalized groups, such as LGBTQ+, Hispanic/Latinx, Neurodivergent and Disabled—often unseen in data collection efforts. Similarly, there were no data on vaccine acceptance, hesitancy and resistance rates and reasons of unvaccinated youth, nor on whether youth in marginalized groups face barriers to vaccination that other youth do not face.

Staff members and youth interns working on this vaccine equity project developed the first draft of a survey and then consulted with research psychologist Kaylin Gray, Ph.D. to design the final draft of the survey questions. A clear and detailed informed consent section was a very important element of the survey introduction, given youth and young adults aged 12-24 were the target population of the grant and survey.

Description of Survey

The survey was comprised of 37 total questions: 1 informed consent, 24 related to demographic information and 12 related to the COVID-19 vaccine, virus or pandemic more broadly. Skip logic was used in the design such that some lines of questions varied depending on age level, county of residence and vaccine status, which meant that no participant answered all 37 questions. The survey was offered in both English and Spanish versions via the Survey Monkey online platform and took respondents between 5 to 10 minutes to complete. Incentives were offered for completing the survey in the form of a drawing for twenty \$25 gift cards, 2 professional soccer match tickets and 3 soccer balls.

Informed Consent

Due to having a target survey population including 12- to 17-year-olds, extra care was taken in the survey introduction to explain the purpose of the research, the privacy and anonymity of responses, and the voluntary nature of participation overall and with respect to each question. The first question of the survey then required confirmation from respondents that they were between 12 to 24 years of age, and that they understood that their participation in the research was voluntary and that their responses to the survey would be anonymous and confidential.

Survey Dissemination

The survey was advertised by the staff and interns at Out Boulder County and El Centro AMISTAD through social media, direct marketing at events, outreach to partnering organizations, radio and school GSA networks, as well as yard signs in several locations. The response window opened on August 19, 2021 and closed on October 31, 2021.

Survey Respondents

The criteria for inclusion in the survey sample were three-fold: participants between 12 to 24 years of age, Colorado residents and an answer provided to the question of whether the respondent was fully or partially vaccinated for COVID-19 or not vaccinated at all. Participants whose age was outside the range or who did not reside in Colorado were disqualified from the survey, while those who did not answer the vaccination question were filtered out in the data cleaning. A total of 420 responses met the inclusion criteria—413 from the English version of the survey and 7 from the Spanish version.

See Appendix A for the complete demographic breakdowns. Overall, 68% of the sample was comprised of 12- to 17-year-olds, with 31% in the 18 to 24 age range and 1% who did not answer the age question. The most represented level of school was high school at 61%, with 8% in middle school, 21% in college or post-graduate education and 9% not attending school. The survey population was evenly split between Boulder County (49%) and other Colorado counties (49%) with 2% preferring not to answer. In total, 27 counties in Colorado had representation in the sample.

A greater proportion of respondents to the survey were assigned female at birth (75%) than male (20%), with 5% not answering this question. Black, Indigenous and People of Color (BIPOC) comprised 44% of the sample, with 29% of the participants affirming Hispanic or Latinx ethnicity and 19% sharing that Spanish is the primary language spoken in their households. A total of 57% of the survey population identified as Lesbian, Gay, Bisexual, Transgender and/or Queer plus (LGBTQ+). See Appendix B for the LGBTQ+ identities shared by participants who answered the open-ended question. With respect to gender identity, 17% of participants identified as Nonbinary, 13% as Transgender, 63% as Cisgender and 6% as another gender identity. The survey also collected data on neurodivergence and perceived disability, with 26% of the sample identifying as Neurodivergent in one or more ways and 8% as Disabled with one or more conditions. See Appendices C & D for the types of neurodivergence and disability shared by respondents.

Data Analyses

Categorical survey data were analyzed for the entire sample with comparative subgroup analyses also performed where numbers in comparison samples were sufficient. Small sample sizes have been noted when findings of interest have been reported in a few instances. For the vaccination uptake and vaccine perception (i.e., acceptance, resistance, hesitancy) analyses, key findings reported were statistically significant at the 95% confidence level. For other analyses of data related to, for example, barriers to getting vaccinated, need for additional vaccine information and greatest current concerns, response data have been ranked and key findings reported for large variances. For the degree of worry about the pandemic, absolute values have been ranked and key findings highlighted for mean differences equal to or greater than 0.5 on a 1 to 5 scale. Verbatim answers to “another” and open-ended questions have been content-coded, grouped and listed.

Key findings have been reported by each vaccine- or pandemic-related survey question, with overall and subgroup comparisons presented in tables and/or graphs along with narrative summaries of the results when clarifying. In some of the subgroup comparisons, a respondent could be a member of more than one subgroup (e.g., BIPOC, LGBTQ+, Neurodivergent) and potentially have compounded vulnerability as a result, while comparisons to a cohort group would be mutually exclusive (BIPOC vs White, High School vs College, Transgender vs Cisgender). Intersectional group analyses were conducted and reported for vaccine uptake with respect to county of residence, race, financial resources and LGBTQ+ identity as subgroup sample sizes were sufficient. Please contact the researcher if there are additional intersectional analyses of particular interest.

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**COVID-19 VACCINE UPTAKE:
Have you been vaccinated for COVID-19?**

Across the entire sample of 420 youth and young adults, 72% reported that they were either fully vaccinated or had received the first dose of the COVID-19 vaccine and planned to get the second dose (defined as the vaccinated rate), while 27% reported they had not been vaccinated at all. Another 1% indicated they had received the first dose of the vaccine but either would not get the second dose or were unsure about it. Those completely unvaccinated along with the 4 individuals who had one vaccine dose and no plan for the second dose were defined as the unvaccinated group for the analyses.

VACCINE UPTAKE (N=420)	%	n
Vaccinated	72%	303
Unvaccinated	28%	117

The following tables rank the highest and lowest vaccination rates by demographic subgroups for the entire sample.

HIGHEST VACCINATION RATES		
Subgroup Rankings	%	n
ALL HH Members Vaxxed	96%	270
Flu Shot EVERY Year	91%	141
Boulder County	89%	183
College/Post-Graduate	87%	79
Age 18-24	82%	107
Transgender/Nonbinary	82%	102
Sufficient \$ Resources (18+)	82%	73
Spanish Primary HH Language	81%	63
COVID Case-NO	79%	262
LGBTQ+	77%	185

LOWEST VACCINATION RATES		
Subgroup Rankings	%	n
NO HH Members Vaxxed	12.5%	63
Flu Shot-NEVER	33%	54
SOME HH Members Vaxxed	36%	38
COVID Case-YES	48%	44
Other CO Counties	55%	93
Not Attending School (18+)	61%	14
School Food Asst-YES	64%	27
Non-LGBTQ+	65%	49
Insufficient \$ Resources (18+)	66%	14
Cisgender	67%	88

COVID-19 VACCINE UPTAKE

Demographic Comparisons: Key Findings for TOTAL SAMPLE

AGE

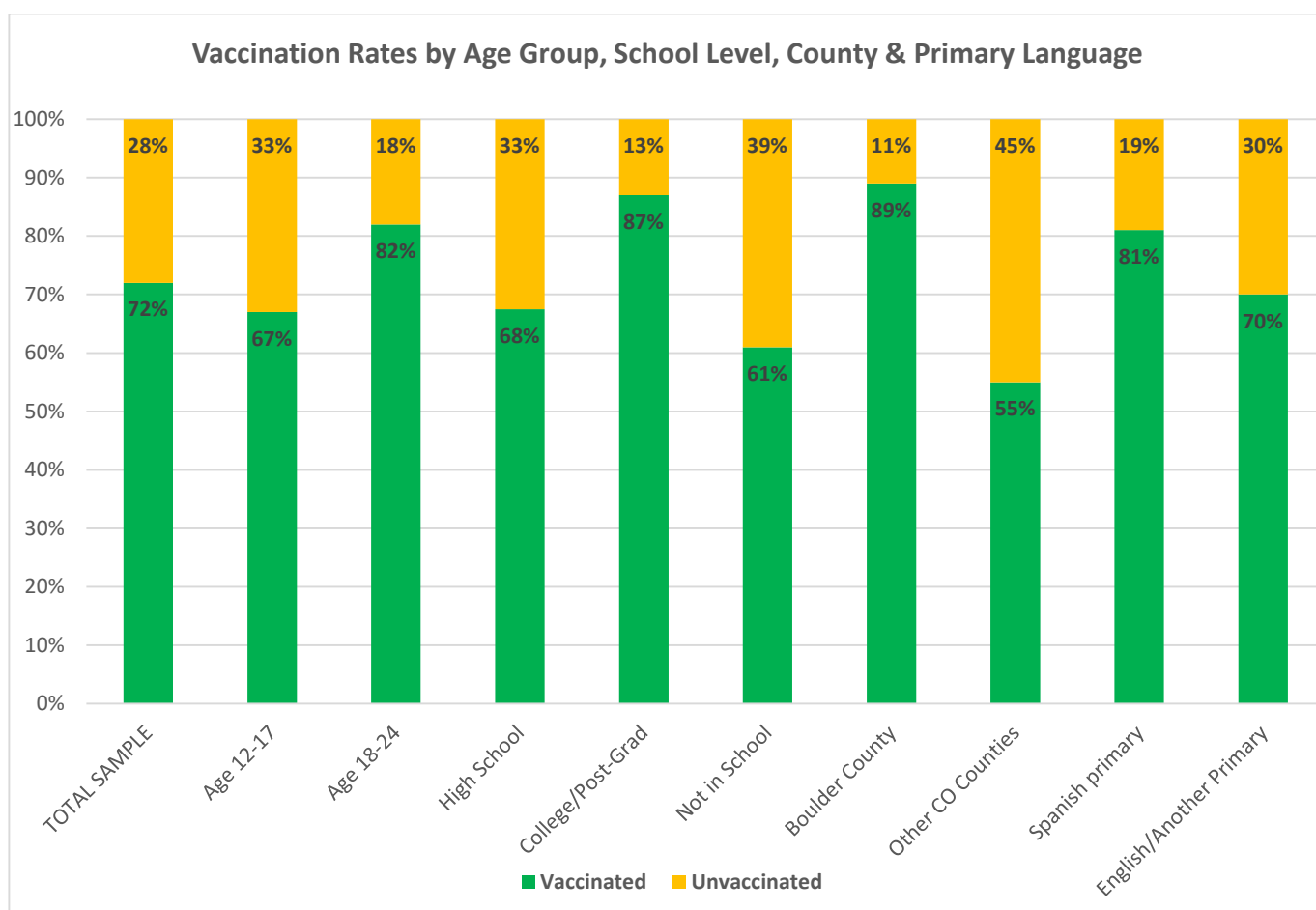
Comparing ages 12-17 to ages 18-24 revealed a significantly higher vaccination rate in the 18-24 age range vs 12-17 age range: 82% vs 67%.

SCHOOL LEVEL

Results showed a higher vaccination rate for adults in college or post graduate education (87%) compared to those in high school (67.5%) or adults not attending college (61%). Universities in Colorado mandating vaccination likely had an impact on vaccination rates by school level.

PRIMARY LANGUAGE

While no significant differences were found in vaccination rates by race or ethnicity, analyses did find a significantly higher vaccination rate for those who reported that Spanish is the primary language spoken in their households (81%) vs those who reported their primary language is English or another language other than Spanish (70%).



SEX & GENDER IDENTITY

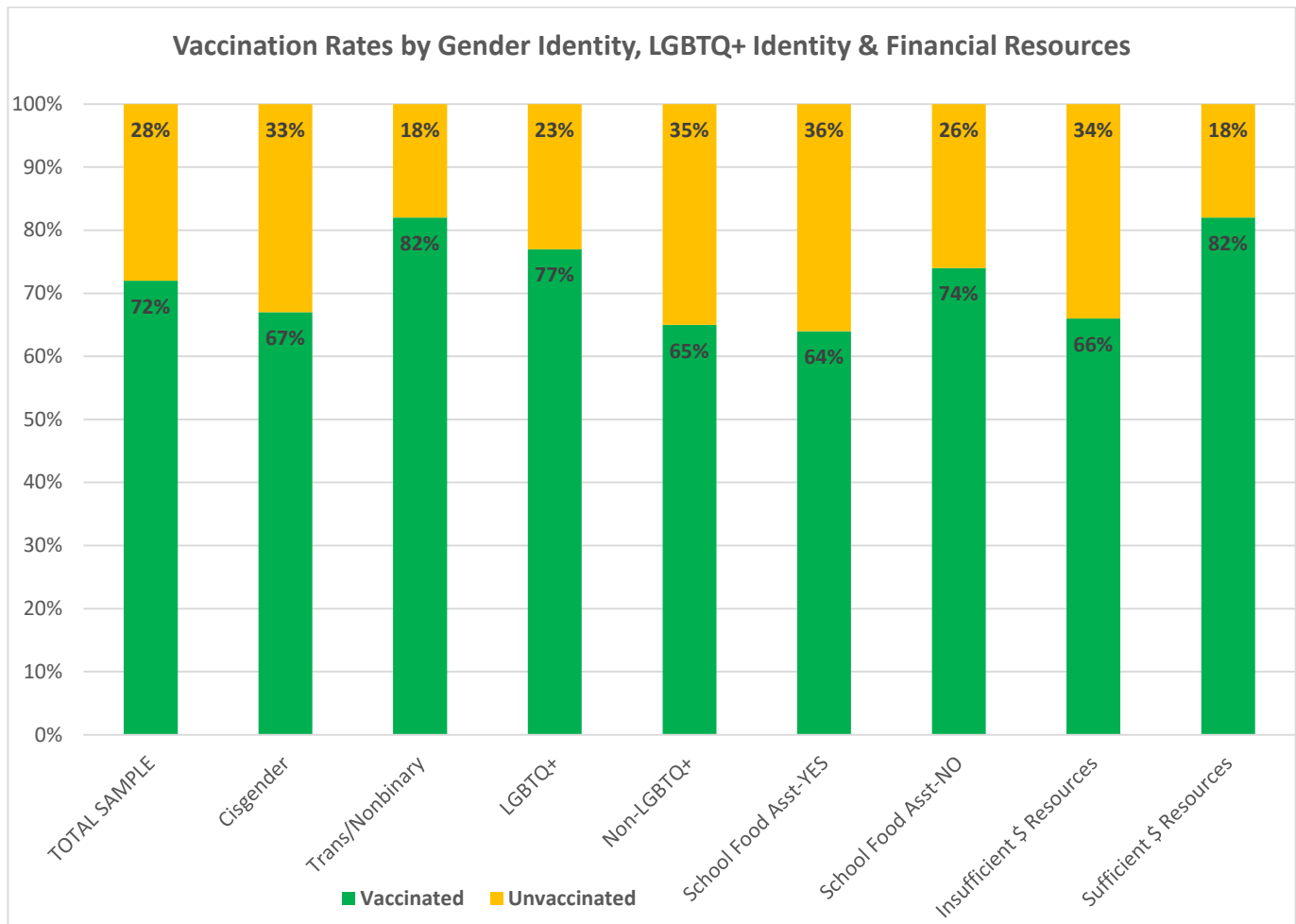
There were no significant differences found in vaccination rates according to whether respondents were assigned male or female sex on their birth certificates. However, with respect to gender identity, Cisgender respondents had a lower COVID-19 vaccination rate (67%) than Transgender (83%) or Nonbinary respondents (81%).

LGBTQ+

Survey respondents who identified as lesbian, gay, bisexual, transgender and/or queer + reported a significantly higher vaccination rate than non-LGBTQ+ respondents, 77% vs 65%.

FINANCIAL RESOURCES

Respondents in middle or high school who reported receiving school food assistance had a lower vaccination rate compared to those who reported not receiving this assistance: 64% vs 74%. Adults out of high school who reported that they did not have the financial resources to meet most or any of their important needs (e.g., to pay bills, seek medical and/or mental health care, access transportation, etc.) had a lower COVID-19 vaccination rate than those who indicated they did have the financial resources to meet all or most of their needs: 66% vs 82%.



FLU SHOT

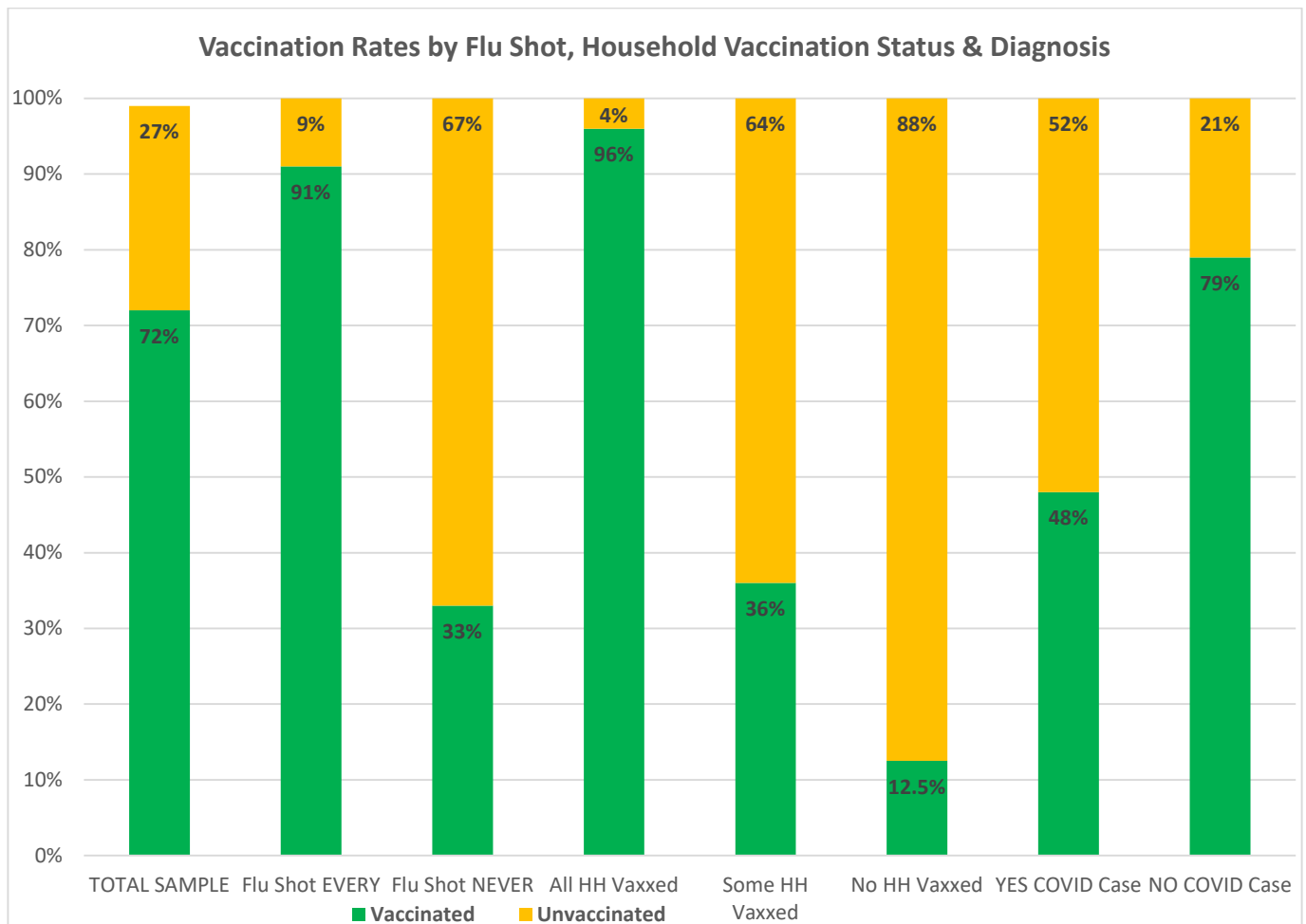
There was a very large discrepancy in COVID-19 vaccination rates between the respondents who receive the flu shot every year (91%) vs those who said they never get the flu shot (33%).

HOUSEHOLD VACCINATION STATUS

Survey participants who reported that all members of their households have been vaccinated had a 96% vaccination rate, compared to those who indicated some household members had and some had not been vaccinated at 36%, and those who said none had been vaccinated at 12.5%.

COVID DIAGNOSIS

Respondents who reported having had a confirmed, probable or believed case of COVID-19 had a significantly lower vaccination rate than participants who believed they never contracted COVID-19: 48% vs 79%.



COVID-19 VACCINE UPTAKE Demographic Comparisons by COUNTY of Residence

In Boulder County, the vaccination rate was 89% compared to that of residents of other Colorado counties rate at 55%. Of the 5 counties outside of Boulder with the highest representation in the sample (albeit with much smaller numbers than Boulder), the lowest COVID-19 vaccination rates were found in Arapahoe (39%) and El Paso (45%), with Denver at 63% and Weld and Larimer both at 70% vaccinated.

VACCINE UPTAKE (N=420)	TOTAL SAMPLE		BOULDER COUNTY		OTHER CO COUNTIES (26)	
	%	n	%	n	%	n
Vaccinated	72%	303	89%	183	55%	112
Unvaccinated	28%	117	11%	22	45%	93

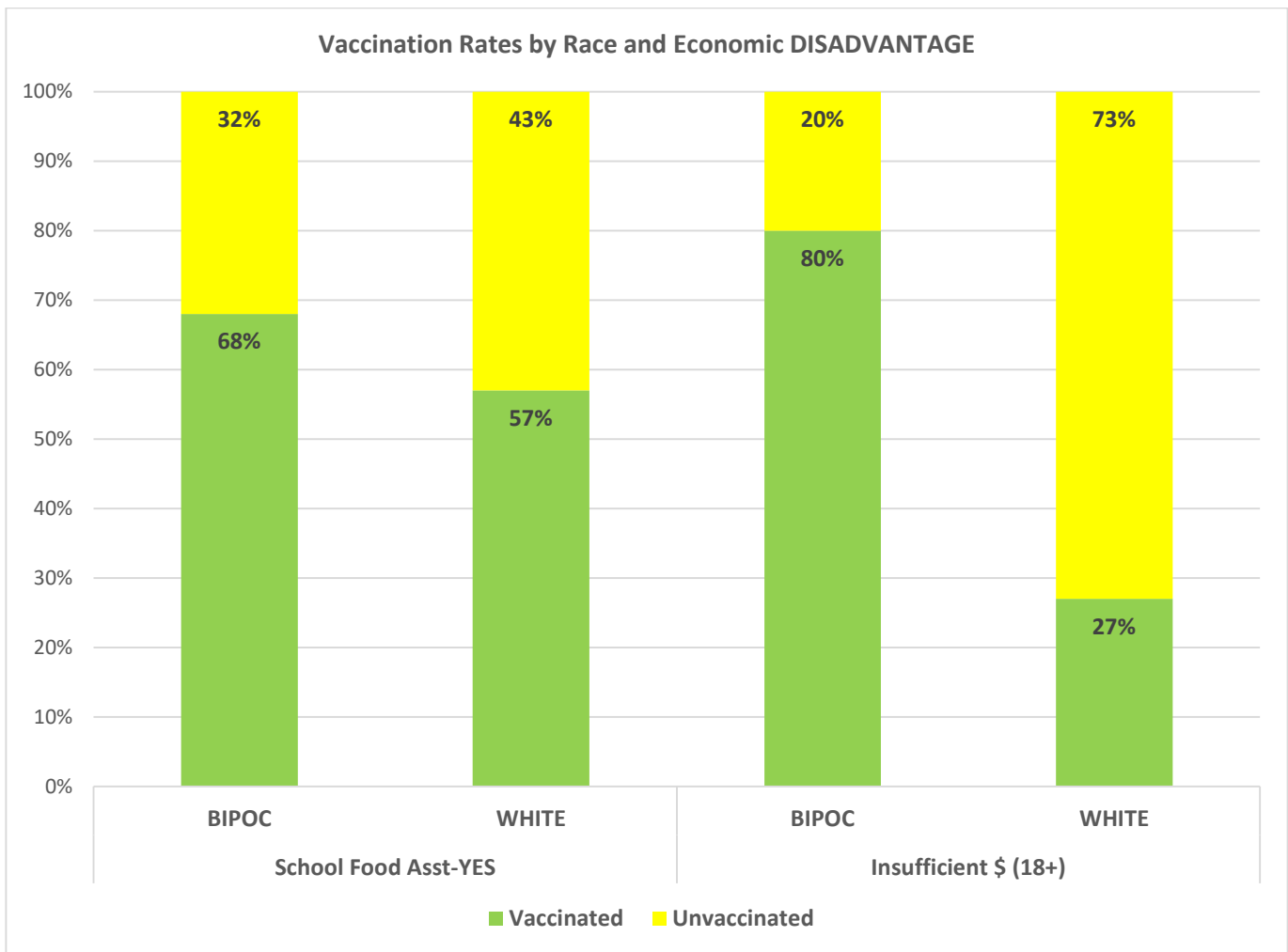
The data analyses revealed significant differences between the vaccination rates within the majority of subgroups according to whether respondents lived in Boulder County or other Colorado counties. In the tables below, the vaccination rates are shown in rank order for the entire sample again and then broken out between Boulder County and the 26 other Colorado counties represented in the sample (combined for equivalent comparisons to Boulder County). The Boulder County vaccination rate was higher than the rate for other Colorado counties in every subgroup comparison. The most dramatic variances in vaccination rates according to county residence were those for the young adults who reported having insufficient resources to meet their most important needs (83% higher vaccination rate in Boulder County), all participants who reported never getting the flu shot (52% higher vaccination rate in Boulder County) and those who did not identify as LGBTQ+ (48% higher vaccination rate in Boulder County).

HIGHEST VACCINATION RATES	COUNTY		
	ALL	Boulder	Other CO
Subgroup Rankings-ALL			
ALL HH Members Vaxxed	96%	100%	90%
Flu Shot EVERY Year	91%	94%	86%
College/Post-Graduate	87%	98%	73%
Age 18-24	82%	93%	68%
Transgender/Nonbinary	82%	93%	69%
Sufficient \$ Resources (18+)	82%	88%	78%
Spanish Primary HH Language	81%	86%	63%
COVID Case-NO	79%	93%	63%
LGBTQ+	77%	89%	65%
School Food Asst - NO	74%	91%	55%

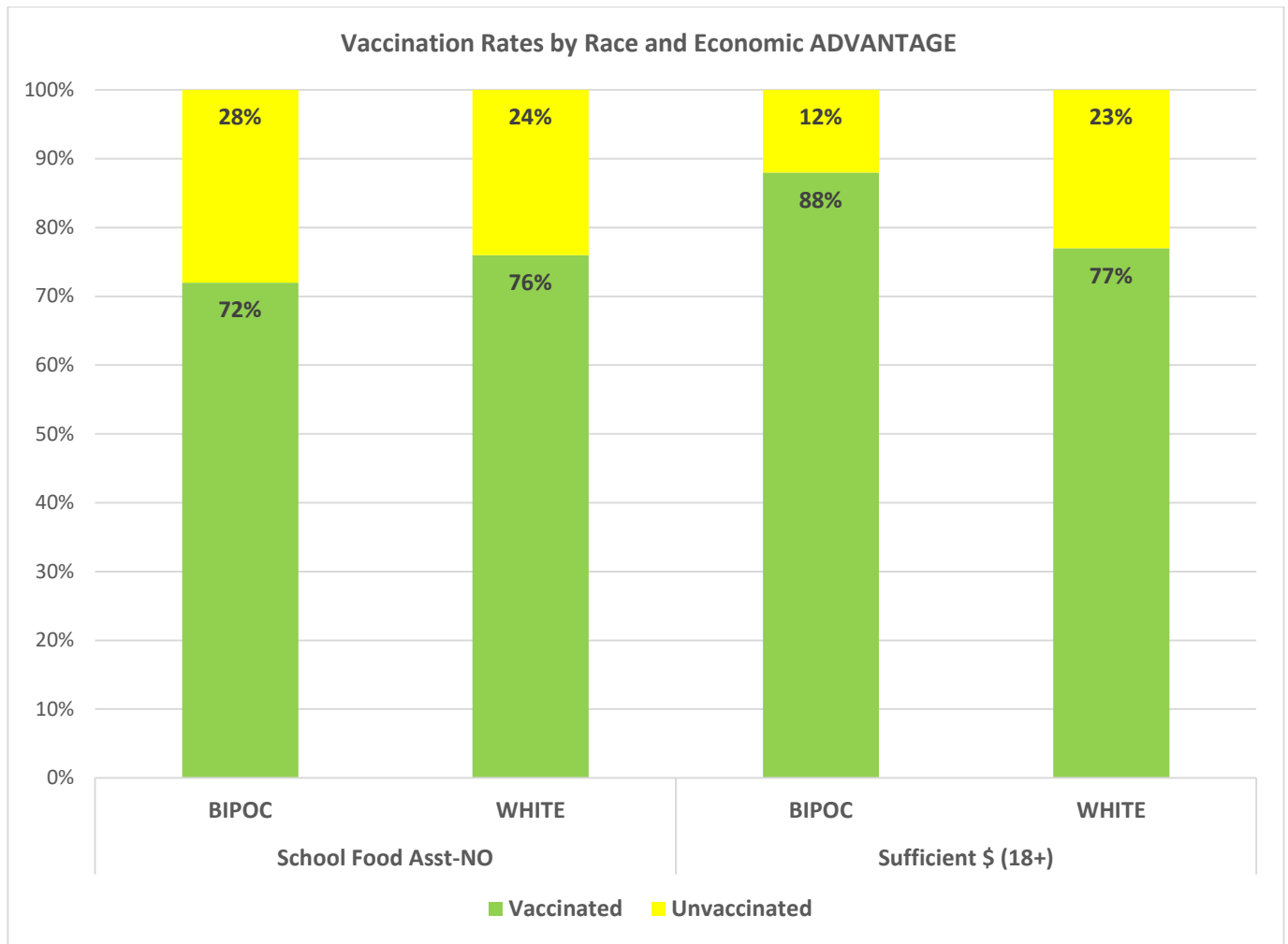
LOWEST VACCINATION RATES	COUNTY		
	ALL	Boulder	Other CO
Subgroup Rankings-ALL			
NO HH Members Vaxxed	12.5%	25%	9%
Flu Shot-NEVER	33%	67%	15%
SOME HH Members Vaxxed	36%	58%	21%
COVID Case-YES	48%	73%	33%
Not Attending School (18+)	61%	77%	50%
School Food Assistance-YES	64%	81%	46%
Non-LGBTQ+	65%	89%	41%
Insufficient \$ Resources (18+)	66%	96%	13%
Cisgender	67%	88%	46%
Age 12-17	67%	87%	49%

COVID-19 VACCINE UPTAKE
Demographic Comparisons by Race and Financial Resources

The following graphs show the difference in vaccination rates according to race and economic disadvantage by age group in the study. Middle and high school respondents were asked if they received school food assistance, while those 18 and older out of high school were asked whether or not they had the financial resources to meet their important needs (i.e., to pay bills, seek medical or mental health care, access transportation, etc.). For those who reported receiving food assistance, the vaccination rate for BIPOC students was higher than for White students (68% vs 57%), although both rates were lower than the sample average. There was a dramatic difference in vaccination rates by race for the young adults who reported not having sufficient financial resources to cover most or any of their important needs: The BIPOC subgroup had a vaccination rate of 80% while the White subgroup’s vaccination rate was only 27%.



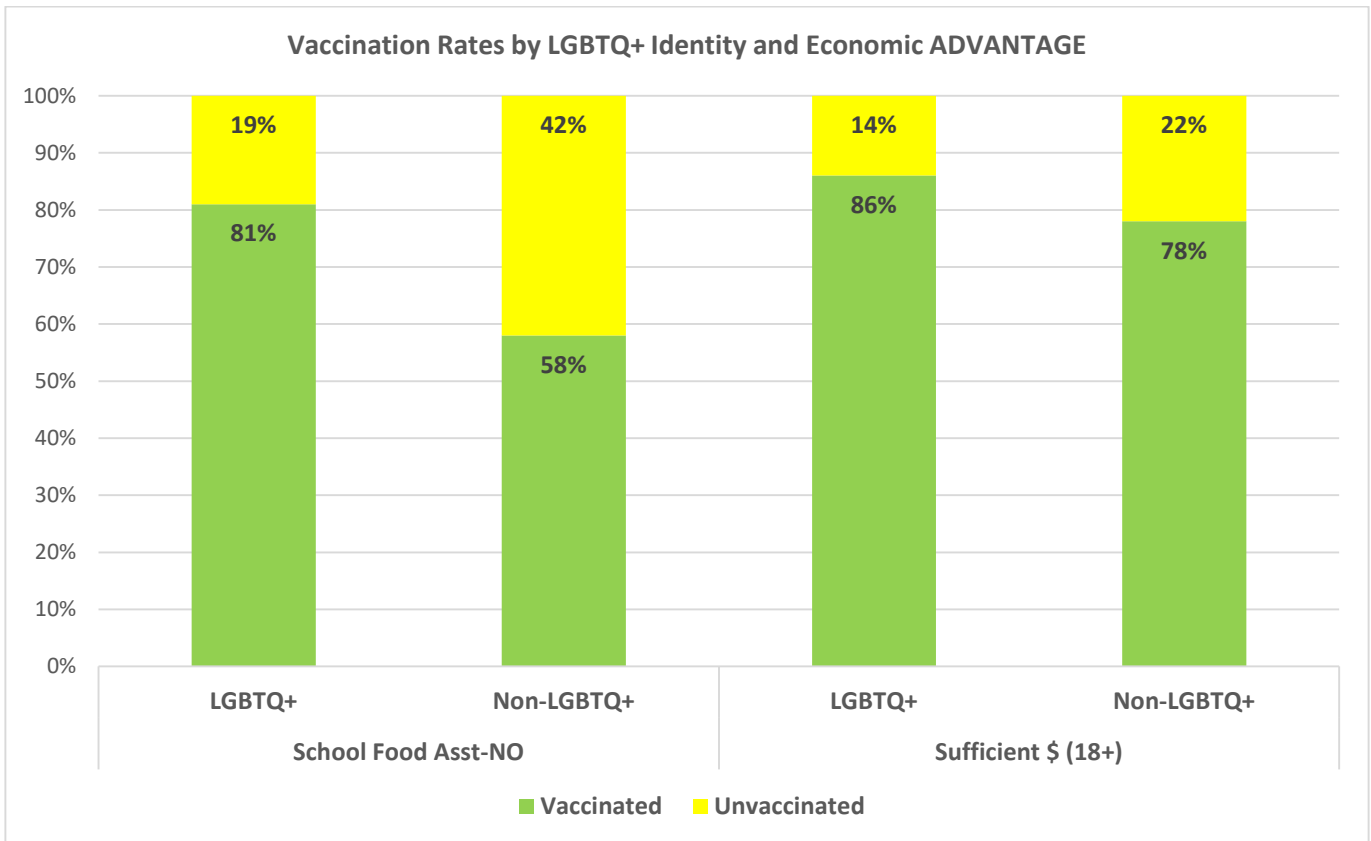
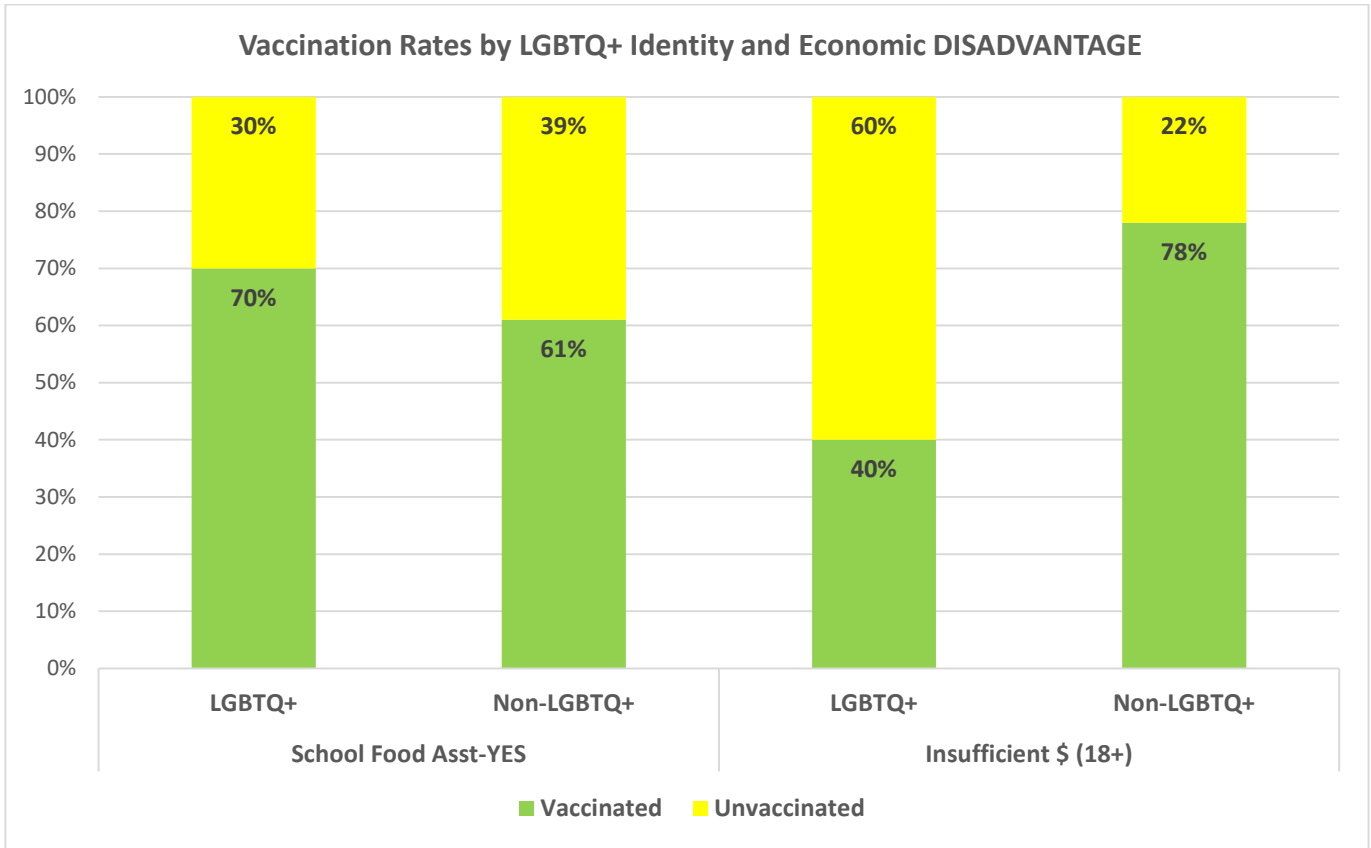
Examining next the vaccination rates by race and economic advantage, the vaccination rates are higher for both age groups compared to their economically disadvantaged cohorts. For the middle and high school participants not receiving school food assistance, vaccination rates were similar, and much higher in particular for White students compared to their economically disadvantaged cohort (76% vs 57%). For those adults between 18 to 24 years of age who reported having the financial resources to meet all or most of their important needs, the BIPOC group had a higher vaccination rate than the White group (88% vs 77%). Sufficient financial resources made a significant difference in vaccination rates for White respondents, with a rate of 77% compared to 27% for those with insufficient resources.



COVID-19 VACCINE UPTAKE**Demographic Comparisons by LGBTQ+ Identity and Financial Resources**

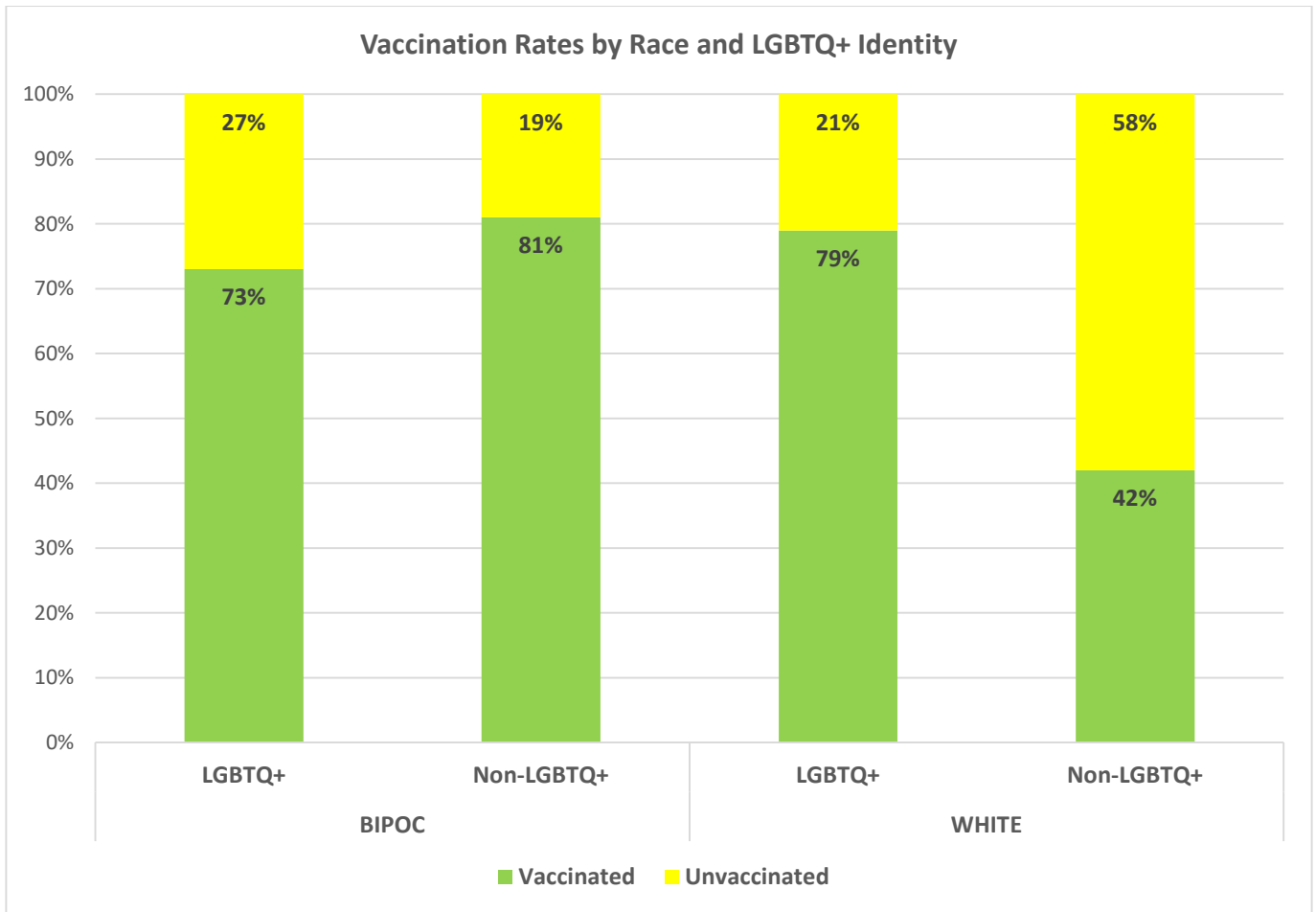
Comparing vaccination rates for LGBTQ+ and non-LGBTQ+ youth and young adults by financial advantage or disadvantage yielded significant differences as well. As the graphs on the next page show, greater economic advantage was associated with higher vaccination rates for LGBTQ+ cohorts in middle and high school (81% vs 70%) as well as for LGBTQ+ young adults (86% vs 40%). For non-LGBTQ+ participants, however, vaccination rates were higher for the adult cohort than the younger overall, but economic advantage was not associated with higher vaccination rates for this group.

Demographic Comparisons by LGBTQ+ Identity and Financial Resources



COVID-19 VACCINE UPTAKE
Demographic Comparisons by Race and LGBTQ+ Identity

Another key finding related to intersectional group memberships was the difference in vaccination rates according to race and LGBTQ+ identity: Non-LGBTQ+ White respondents had a significantly lower COVID-19 vaccination rate than LGBTQ+ White respondents (42% vs 79%), and a lower rate than that of BIPOC participants whether LGBTQ+ or not. The non-LGBTQ+ BIPOC cohort had a slightly, but not significantly, higher vaccination rate than their BIPOC LGBTQ+ cohort (81% vs 73%).



VACCINE ACCEPTANCE, HESITANCY AND RESISTANCE:

If the COVID-19 vaccine were available for you to receive today and you could get it easily, would you want to get the vaccine?

Across the entire unvaccinated subsample of survey respondents who answered this question (n=107), 38% reported COVID-19 vaccine **acceptance** (i.e., answered *yes* to receiving the vaccine today), 45% vaccine **resistance** (i.e., answered *no*) and 17% vaccine **hesitancy** (i.e., answered *unsure*). Given the widespread availability of vaccines, those in the vaccine acceptance category arguably could be classified as vaccine hesitant as well, apart from minors who cannot make vaccine decisions independently. The tables below rank the highest percentages in each category of vaccine perception across subgroups.

Vaccine Today?	%	n
ACCEPTANCE/Yes	38%	41
RESISTANCE/No	45%	48
HESITANCY/Unsure	17%	18

Vaccine ACCEPTANCE

Highest Subgroup Rankings	%	n
Transgender/Nonbinary	73%	16
Assigned MALE at birth	56%	10
Neurodivergent	55%	12
Flu Shot-EVERY Year	54%	7
BIPOC	52%	22
LGBTQ+	51%	26
School Food Asst-YES	50%	13
Hispanic/Latinx	46%	13
Boulder County	44%	8

Vaccine RESISTANCE

Highest Subgroup Rankings	%	n
Non-LGBTQ+	70%	30
School Food Asst-NO	59%	27
COVID Case-YES	59%	24
White	56%	34
Flu Shot NEVER	55%	28
Neurotypical	55%	17
Cisgender	54%	43
Some HH Members Vaxxed	51%	18
Non-Hispanic/Latinx	50%	39

Vaccine HESITANCY

Highest Subgroup Rankings	%	n
Disabled	57%	4
Flu Shot EVERY Year	31%	4
Age 18-24	29%	5
School Food Asst-YES	23%	6
Boulder County	22%	4
LGBTQ+	22%	11
COVID Case-NO	22%	14
Hispanic/Latinx	21%	6
Some HH Members Vaxxed	20%	7

Demographic Comparisons: Key Findings

AGE

The age 12-17 cohort reported higher vaccine **acceptance** than the 18-24 cohort (41% vs 23.5%) and lower vaccine **hesitancy** (14% vs 29%), but no difference in vaccine **resistance** (44% vs 47%). Subgroup sizes were not large enough to analyze by level of school.

COUNTY

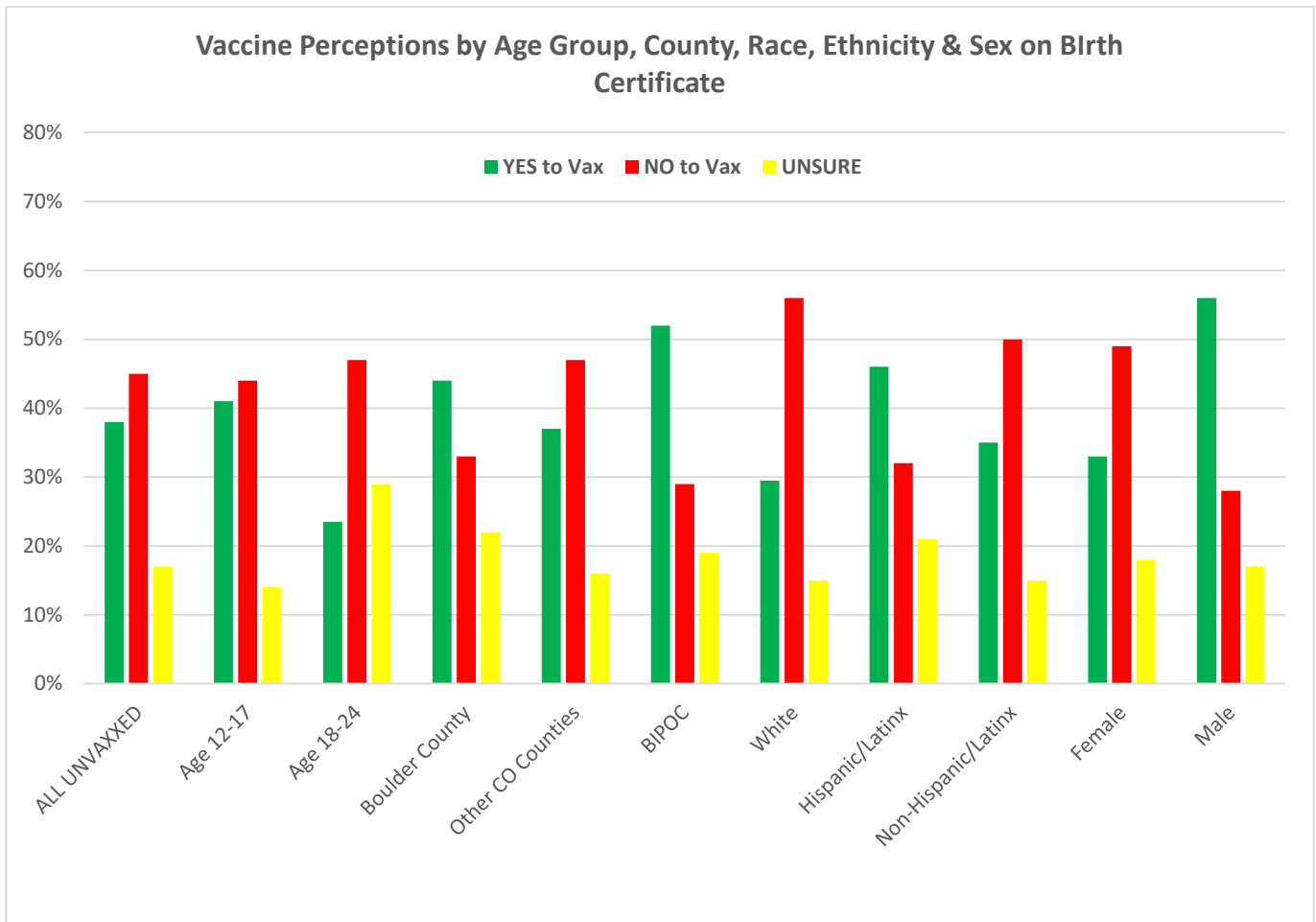
Results showed a higher rate of vaccine **resistance** among the study participants residing outside of Boulder County than in Boulder County (47% vs 33%).

RACE/ETHNICITY

Comparing BIPOC and White groups, the BIPOC participants reported significantly higher vaccine **acceptance** (52% vs 29.5%) and lower vaccine **resistance** (29% vs 56%) than White participants. Respondents identifying as Hispanic or Latinx similarly reported significantly higher vaccine **acceptance** (46% vs 35%) and lower vaccine **resistance** (32% vs 50%) than those with non-Hispanic or Latinx ethnic identities.

SEX

The group assigned Female on their birth certificates showed lower vaccine **acceptance** (33% vs 56%) and higher vaccine **resistance** (49% vs 28%) than the group assigned Male.



GENDER IDENTITY

Combining Transgender and Nonbinary subgroups due to small unvaccinated samples, the Cisgender group showed significantly lower vaccine **acceptance** (29% vs 73%) as well as significantly higher vaccine **resistance** (54% vs 9%) than the Transgender/Nonbinary group.

LGBTQ+

Of those unvaccinated, LGBTQ+ respondents reported higher vaccine **acceptance** (51% vs 21%), higher vaccine **hesitancy** (22% vs 9%) and lower vaccine **resistance** (27.5% vs 70%) than non-LGBTQ+-identified respondents.

DISABLED

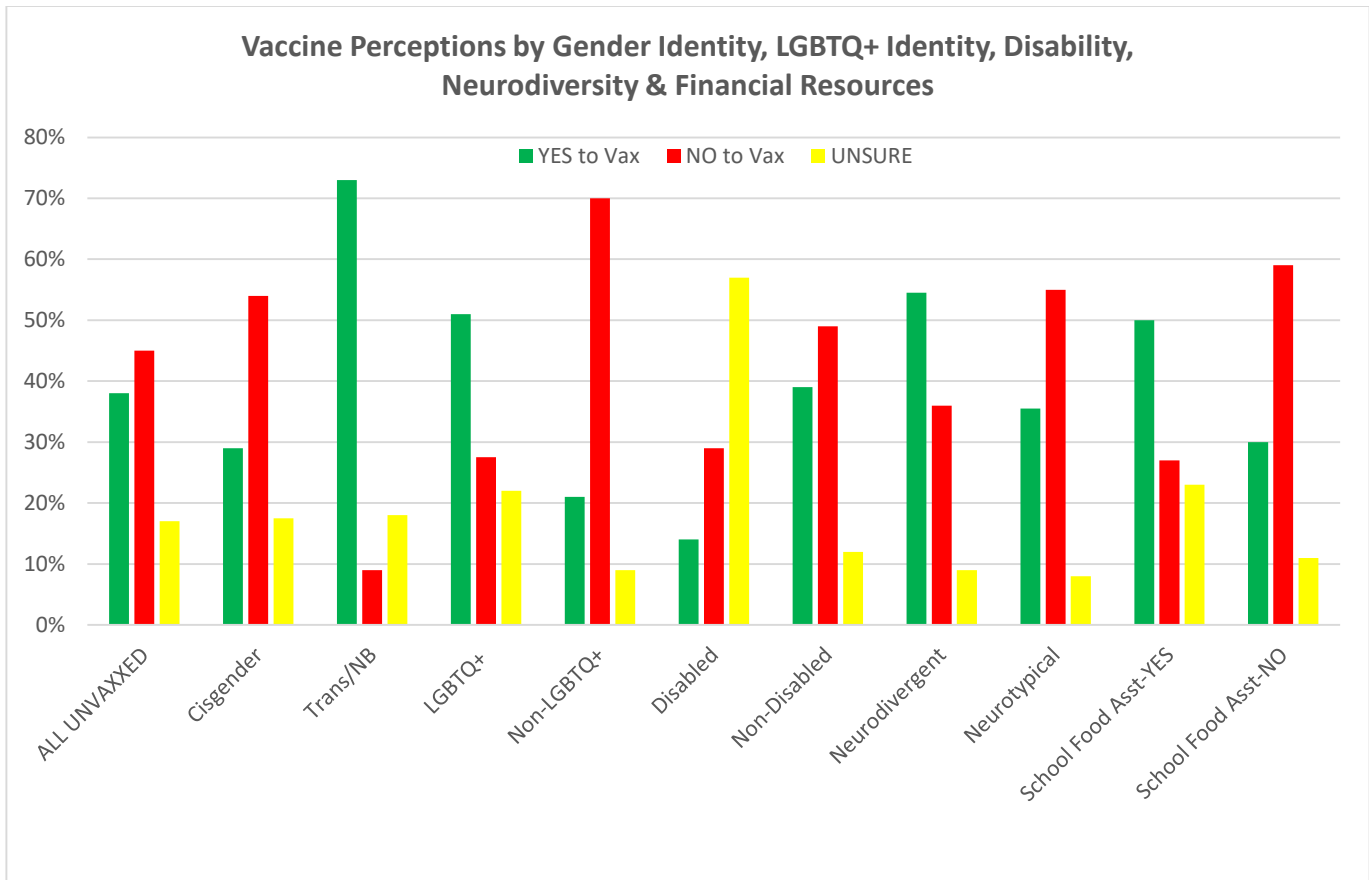
This was a small unvaccinated subsample, yet the data pointed to greater vaccine **hesitancy** (57% vs 12%), though lower vaccine **acceptance** (14% vs 29%) and **resistance** (29% vs 49%), among respondents who identified as disabled vs non-disabled.

NEURODIVERGENCE

Those participants identifying as neurodivergent reported greater vaccine **acceptance** (54.5% vs 35.5%) and lower **resistance** (36% vs 55%) than those who answered they did not identify as neurodivergent.

SCHOOL FOOD ASSISTANCE

The unvaccinated survey respondents who reported receiving school food assistance reported higher rates of vaccine **acceptance** (50% vs 30%) and **hesitancy** (23% vs 11%) and lower vaccine **resistance** (27% vs 59%) than those not receiving school food assistance.



FLU SHOT

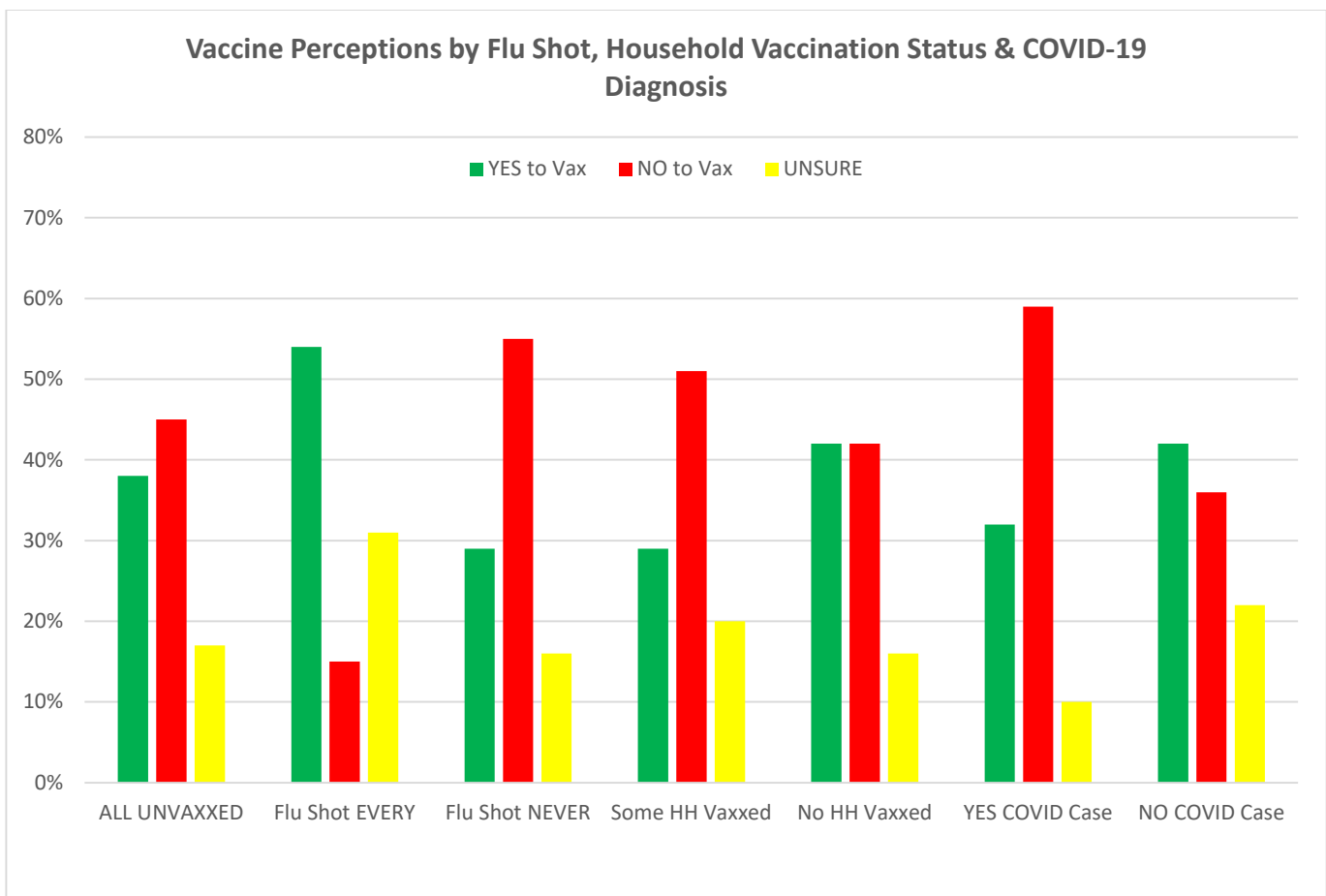
Unvaccinated survey participants who get the flu shot every year had a higher vaccine **acceptance** rate than those who never get flu shot (54% vs 29%) and higher vaccine **hesitancy** (31% vs 16%). Those who never get a flu shot reported a significantly higher vaccine **resistance** rate (55% vs 15%).

HOUSEHOLD VACCINATION STATUS

Comparing the subgroup of unvaccinated respondents who reported that SOME members of the household were vaccinated & some were not with the subgroup reporting that NONE of the members of their household were vaccinated, the NONE Vaccinated group showed higher vaccine **acceptance** (42% vs 29%) and lower vaccine **resistance** (42% vs 51%). Note that the NONE Vaccinated group had the lowest overall vaccination rate of any subgroup in the sample.

COVID-19 DIAGNOSIS

Unvaccinated participants who themselves had confirmed, probable or believed cases of COVID-19 reported a significantly higher rate of vaccine **resistance** (59% vs 36%) than those who did not report ever contracting COVID-19, in addition to lower vaccine **acceptance** (32% vs 42%) and **hesitancy** (10% vs 22%) rates.



BARRIERS TO VACCINATION:

What might keep you from getting the COVID-19 vaccine if you had the opportunity to get the shot today?

The table below summarizes and ranks the answers to the barriers to vaccination question for the unvaccinated group in the sample (n=107). Participants were able to choose more than one barrier. Parent-related barriers, side effects, safety and overall effectiveness concerns were the most often cited barriers to vaccination.

TOTAL UNVACCINATED ANSWERED (n=107)	%
My PARENTS don't want me to get vaccine	55%
SIDE EFFECTS concerns	52%
SAFETY concerns	44%
My parents have MAJOR CONCERNS	42%
OVERALL EFFECTIVENESS concerns	34%
Don't believe vaccine is NECESSARY	30%
Don't trust GOVERNMENT	27%
Had confirmed or probable COVID case	23%
Don't trust/feel comfortable with MEDICAL est	21%
VACCINE BRAND EFFECTIVENESS concerns	19%
HEALTH reasons	19%
Don't have TRANSPORTATION	13%
RELIGIOUS reasons	13%
COST concerns	10%
ANOTHER	10%
Don't know WHERE to get vaccine	9%
NONE of these are barriers	2%
Prefer not to answer	0%

ANOTHER-verbatim responses (n=11):**Unvaccinated/Vaccine Accepting (n=1)**

Don't have time to get vaccine

Unvaccinated/Vaccine Resistant (n=8)

Scared or phobic of needles (n=2)

Medical condition

My doctor told me to not get it until 18 for health concerns

Had allergic reaction to flu vaccine that caused my heart to stop

Medical history

We don't know the long-term effects

Not enough testing

Unvaccinated/Vaccine Hesitant (n=2)

Scared or phobic of needles

I don't have health insurance

The tables below sort the barriers by vaccine acceptance, resistance or hesitancy expressed by unvaccinated participants. For participants who reported that they were willing to get the vaccine if easily accessible (i.e., vaccine accepting), the parent-related barriers were the most reported, followed by transportation and not knowing where to get the vaccine or the cost. Side effects and safety concerns were the most cited by both vaccine resistant and hesitant participants, with overall effectiveness concerns also in the top 5 of each group. “My parents don’t want me to get vaccine” and “My parents have major concerns” were in the top 5 barriers reported by the vaccine hesitant group, whereas the vaccine resistant group did not report parent-related issues, but instead named not believing the vaccine is necessary and not trusting the government in their top 5 reasons for not getting vaccinated.

Acceptance/Vaccine today-YES (n=41)	%
My PARENTS don't want me to get vaccine	76%
My parents have MAJOR CONCERNS	46%
Don't have TRANSPORTATION	24%
Don't know WHERE to get vaccine	17%
COST concerns	15%

Resistance/Vaccine today-NO (n=48)	%
SIDE EFFECTS concerns	79%
SAFETY concerns	77%
Don't believe vaccine is NECESSARY	65%
OVERALL EFFECTIVENESS concerns	63%
Don't trust GOVERNMENT	58%

Hesitancy/Vaccine today-UNSURE (n=18)	%
SIDE EFFECTS concerns	78%
SAFETY concerns	50%
My PARENTS don't want me to get vaccine	44%
My parents have MAJOR CONCERNS	39%
OVERALL EFFECTIVENESS concerns	28%

Demographic Comparisons: Key Findings

LEVEL OF SCHOOL

Compared to respondents College-age up to 24, a greater percentage of Middle and High School participants identified as barriers: “My parents don’t want me to get vaccine” (60% vs 38%) and “My parents have major concerns” (46% vs 29%). A greater percentage of college-aged and older participants named Safety concerns as a barrier to getting vaccinated (52% vs 42%).

MIDDLE + HIGH SCHOOL (n=85)	%	COLLEGE AGE+ (n=21)	%
My PARENTS don't want me to get vac	60%	SIDE EFFECTS concerns	57%
SIDE EFFECTS concerns	52%	SAFETY concerns	52%
My parents have MAJOR CONCERNS	46%	My PARENTS don't want me to get vac	38%
SAFETY concerns	42%	Don't trust MEDICAL establishment	33%
OVERALL EFFECTIVENESS concerns	36%	Don't trust GOVERNMENT	33%
Don't believe vaccine is NECESSARY	29%	Don't believe vaccine is NECESSARY	33%

COUNTY

A higher percentage of respondents who live in Colorado outside of Boulder County selected “My parents don’t want me to get vaccine” as a barrier than those who live in Boulder County (57% vs 44%). Side Effects was the barrier chosen by the highest percentage of those residing in Boulder County (61%).

BOULDER COUNTY (n=18)		OTHER CO COUNTIES (n=87)	
SIDE EFFECTS concerns	61%	My PARENTS don't want me to get vac	57%
SAFETY concerns	44%	SIDE EFFECTS concerns	52%
OVERALL EFFECTIVENESS concerns	44%	SAFETY concerns	45%
My PARENTS don't want me to get vac	44%	My parents have MAJOR CONCERNS	41%
My parents have MAJOR CONCERNS	44%	OVERALL EFFECTIVENESS concerns	32%

RACE

Comparing BIPOC to White respondents, the top four barriers were the same for each cohort, but White participants ranked not believing the vaccine is necessary and not trusting the government as reasons to not get vaccinated in their top 5 and to a greater degree than BIPOC participants (39% vs 19%, 39% vs 12% respectively). Safety concerns were in both group’s top concerns, but a greater proportion of White participants named it as a barrier to vaccination (56% vs 29%).

BIPOC (n=42)		WHITE (n=61)	
My PARENTS don't want me to get vac	50%	My PARENTS don't want me to get vac	57%
SIDE EFFECTS concerns	48%	SAFETY concerns	56%
My parents have MAJOR CONCERNS	33%	SIDE EFFECTS concerns	54%
SAFETY concerns	29%	My parents have MAJOR CONCERNS	49%
OVERALL EFFECTIVENESS concerns	26%	OVERALL EFFECTIVENESS concerns	39%
Don't believe vaccine is NECESSARY	19%	Don't trust GOVERNMENT	39%
HEALTH reasons	19%	Don't believe vaccine is NECESSARY	39%

ETHNICITY

Hispanic/Latinx and Non-Hispanic/Latinx participants identified the same top barriers, with differences in the greater percentage of Non-Hispanic/Latinx group reporting Safety concerns (49% vs 32%) and Overall Effectiveness concerns (37% vs 25%). A greater proportion of the Non-Hispanic/Latinx group than the Hispanic/Latinx group also named not trusting the government as a top barrier (32% vs 12%).

HISPANIC/LATINX (n=28)

SIDE EFFECTS concerns	57%
My PARENTS don't want me to get vac	54%
My parents have MAJOR CONCERNS	39%
SAFETY concerns	32%
OVERALL EFFECTIVENESS concerns	25%
Don't believe vaccine is NECESSARY	25%
Don't trust MEDICAL establishment	21%

NON-HISPANIC/LATINX (n=78)

My PARENTS don't want me to get vac	55%
SIDE EFFECTS concerns	51%
SAFETY concerns	49%
My parents have MAJOR CONCERNS	44%
OVERALL EFFECTIVENESS concerns	37%
Don't trust GOVERNMENT	32%
Don't believe vaccine is NECESSARY	32%

PRIMARY LANGUAGE SPOKEN IN HOUSEHOLD

Side Effects was identified as a major concern by a greater percentage of respondents living in households with Spanish as the primary language than those with English or another primary language (69% vs 51%). A greater percentage of respondents in households with English or another language primary chose “My parents don’t want me to get vaccinated” (56% vs 46%), Safety concerns (46% vs 31%) and Overall Effectiveness concerns (35% vs 23%) as reasons not to get vaccinated, although both groups identified the same top 5 barriers.

SPANISH primary language (n=13)

SIDE EFFECTS concerns	69%
My PARENTS don't want me to get vac	46%
My parents have MAJOR CONCERNS	38%
SAFETY concerns	31%
OVERALL EFFECTIVENESS concerns	23%

ENGLISH/ANOTHER Primary (n=93)

My PARENTS don't want me to get vac	56%
SIDE EFFECTS concerns	51%
SAFETY concerns	46%
My parents have MAJOR CONCERNS	42%
OVERALL EFFECTIVENESS concerns	35%

SEX ON BIRTH CERTIFICATE

A greater proportion of the assigned Female on birth certificate subgroup rated Side Effects as a barrier than the assigned Male subgroup (51% vs 39%), as well as Safety concerns (45% vs 17%).

FEMALE (n=95)

SIDE EFFECTS concerns	51%
My PARENTS don't want me to get vac	49%
SAFETY concerns	45%
My parents have MAJOR CONCERNS	39%
OVERALL EFFECTIVENESS concerns	29%
Don't believe vaccine is NECESSARY	29%

MALE (n=18)

My PARENTS don't want me to get vac	56%
SIDE EFFECTS concerns	39%
OVERALL EFFECTIVENESS concerns	39%
My parents have MAJOR CONCERNS	33%
Don't believe vaccine is NECESSARY	22%
SAFETY concerns	17%

GENDER IDENTITY

Cisgender respondents identified Side Effects and Safety concerns as barriers to vaccination at a higher percentage than Transgender/Nonbinary respondents (Side Effects: 63% vs 14%; Safety 51% vs 14%). The top two barriers cited by the Transgender/Nonbinary subgroup by far over the others were the parent-related concerns: “My parents don’t want me to get vaccinated” (64%) and “My parents have major concerns” (50%). Nearly a quarter of the Transgender/Nonbinary group named not having transportation to the vaccine as a barrier as well (23%).

CISGENDER (n=80)

SIDE EFFECTS concerns	63%
My PARENTS don't want me to get vac	55%
SAFETY concerns	51%
My parents have MAJOR CONCERNS	41%
OVERALL EFFECTIVENESS concerns	39%
Don't believe vaccine is NECESSARY	36%
Don't trust GOVERNMENT	31%

TRANSGENDER + NONBINARY (n=22)

My PARENTS don't want me to get vac	64%
My parents have MAJOR CONCERNS	50%
Don't have TRANSPORTATION	23%
SAFETY concerns	14%
SIDE EFFECTS concerns	14%
Don't know WHERE to get vaccine	14%
COST concerns	14%

LGBTQ+

Side effects, Safety and Overall effectiveness concerns were cited as barriers by a greater percentage of non-LGBTQ+ persons than LGBTQ+ (Side effects: 70% vs 37%; Safety: 58% vs 33%; Overall Effectiveness: 51% vs 22%). The top two barriers identified by LGBTQ+ individuals were the parent-related concerns: “My parents don’t want me to get vaccinated” (55%) and “My parents have major concerns” (41%). Non-LGBTQ+ respondents named not believing the vaccine is necessary for them in their top 5 at 51%, compared to LGBTQ+ participants at 16% and not a top identified barrier to vaccination.

LGBTQ (n=51)

My PARENTS don't want me to get vac	55%
My parents have MAJOR CONCERNS	41%
SIDE EFFECTS concerns	37%
SAFETY concerns	33%
OVERALL EFFECTIVENESS concerns	22%

Non-LGBTQ (n=43)

SIDE EFFECTS concerns	70%
SAFETY concerns	58%
OVERALL EFFECTIVENESS concerns	51%
Don't believe vaccine is NECESSARY	51%
My PARENTS don't want me to get vac	49%

DISABLED

Although the small sample of unvaccinated participants who identified as disabled was small, the results suggested that the disabled subgroup cited a higher proportion of concerns overall as compared to the non-disabled subgroup, with Side Effects, Safety, Overall Effectiveness, Transportation and Health concerns the barriers chosen by a greater proportion of individuals who perceived themselves as disabled. Parent-related issues with vaccination was a distant 6th ranked barrier for the Disabled group, but both parent concerns were in the top 5 barriers named by the Non-Disabled group.

DISABLED (n=7)

SIDE EFFECTS concerns	71%
SAFETY concerns	57%
OVERALL EFFECTIVENESS concerns	57%
Don't have TRANSPORTATION	43%
HEALTH reasons	43%
My PARENTS don't want me to get vac	29%

Non-DISABLED (n=92)

My PARENTS don't want me to get vac	57%
SIDE EFFECTS concerns	51%
SAFETY concerns	45%
My parents have MAJOR CONCERNS	42%
Don't believe vaccine is NECESSARY	34%
OVERALL EFFECTIVENESS concerns	33%

NEURODIVERGENCE

Health reasons was cited as a top barrier to vaccination by the subgroup of participants identifying as Neurodivergent and to a greater degree than those who did not identify as such (36% vs 19%).

NEURODIVERGENT (n=22)

My PARENTS don't want me to get vac	41%
HEALTH reasons	36%
SAFETY concerns	32%
SIDE EFFECTS concerns	32%
My parents have MAJOR CONCERNS	32%
Had confirmed or probable COVID case	32%
ANOTHER	27%
Don't have TRANSPORTATION	23%

NEUROTYPICAL (n=31)

My PARENTS don't want me to get vac	58%
SIDE EFFECTS concerns	55%
My parents have MAJOR CONCERNS	52%
SAFETY concerns	48%
Don't believe vaccine is NECESSARY	42%
OVERALL EFFECTIVENESS concerns	32%
Don't trust GOVERNMENT	32%
Had confirmed or probable COVID case	32%

FINANCIAL RESOURCES

Students on school food assistance reported they didn't believe the vaccine was necessary in their top 5, while those not on this assistance named Overall Effectiveness concerns. Young adults who reported insufficient income to cover most or any needs named "Don't know where to get vaccine" in the top 3 barriers (40%), whereas none of those who reported sufficient income identified this as a barrier.

MIDDLE/HIGH SCHOOL

SCHOOL FOOD ASST-YES (n=26)

My PARENTS don't want me to get vac	54%
SIDE EFFECTS concerns	46%
My parents have MAJOR CONCERNS	42%
SAFETY concerns	38%
Don't believe vaccine is NECESSARY	23%

SCHOOL FOOD ASST-NO (n=46)

My PARENTS don't want me to get vac	67%
SIDE EFFECTS concerns	57%
SAFETY concerns	48%
My parents have MAJOR CONCERNS	48%
OVERALL EFFECTIVENESS concerns	43%

ADULTS OUT OF HIGH SCHOOL

\$ RES INSUFFICIENT (n=10)

SAFETY concerns	50%
SIDE EFFECTS concerns	50%
Don't know WHERE to get vaccine	40%
My PARENTS don't want me to get vac	30%
Don't have TRANSPORTATION	30%

\$ RES SUFFICIENT (n=14)

SIDE EFFECTS concerns	57%
SAFETY concerns	50%
My PARENTS don't want me to get vac	43%
Had confirmed or probable COVID case	43%
HEALTH reasons	43%

HOUSEHOLD VACCINATION STATUS

Although a small group, unvaccinated respondents who reported that ALL of their household members had been vaccinated cited “Had confirmed or probable case of COVID” as a barrier to a higher degree than those who reported that SOME or NONE of their household members had been vaccinated (40% vs 20%/21%). Those who had SOME vaccinated household members selected Side Effects and Safety concerns as barriers more than the ALL or NONE subgroups. The two parent-related barriers were the top barriers to vaccination for the group with NONE of their household members vaccinated and to a higher degree than the other two groups.

HH VAX-ALL (n=10)

ANOTHER	50%
Had confirmed or probable COVID case	40%
SIDE EFFECTS concerns	30%
My PARENTS don't want me to get vac	20%
My parents have MAJOR CONCERNS	20%
HEALTH reasons	20%

HH VAX-SOME (n=35)

SIDE EFFECTS concerns	66%
SAFETY concerns	60%
My PARENTS don't want me to get vac	49%
OVERALL EFFECTIVENESS concerns	43%
My parents have MAJOR CONCERNS	34%
VACCINE BRAND EFFECTIVENESS	31%

HH VAX-NONE (n=57)

My PARENTS don't want me to get vac	68%
My parents have MAJOR CONCERNS	53%
SIDE EFFECTS concerns	49%
SAFETY concerns	44%
OVERALL EFFECTIVENESS concerns	35%
Don't believe vaccine is NECESSARY	33%

COVID-19 DIAGNOSIS

The subgroup who reported contracting a confirmed or suspected case of COVID-19 selected “Had confirmed or probable case of COVID” as a reason for not getting vaccinated to a higher degree than those who reported not ever having contracted COVID-19 (51% vs 5%). Those who had not contracted COVID-19 identified “My parents don’t want me to get vaccine” as the top barrier and to a higher degree than those who did contract the coronavirus (63% vs 44%).

COVID CASE (n=41)

SAFETY concerns	51%
SIDE EFFECTS concerns	51%
Had confirmed or probable COVID case	51%
OVERALL EFFECTIVENESS concerns	44%
My PARENTS don't want me to get vac	44%
My parents have MAJOR CONCERNS	44%

NEVER HAD COVID (n=64)

My PARENTS don't want me to get vac	63%
SIDE EFFECTS concerns	53%
My parents have MAJOR CONCERNS	41%
SAFETY concerns	39%
OVERALL EFFECTIVENESS concerns	28%
Don't trust GOVERNMENT	28%

PRIMARY REASON FOR NOT GETTING VACCINATED:

If you and/or your family are against you getting vaccinated for COVID-19, what is the primary reason?

Total responses: N=69

Verbatim responses organized by vaccine acceptance, resistance or hesitancy expressed:

YES TO VACCINE TODAY (n=23)/VACCINE ACCEPTANCE
They are Republicans
My mom believes covid is fake and believes many conspiracy theories
Misinformation
Bigotry / misinformation
My mom is worried it will affect my colorblindness and cause blood clots
My parents think it'll turn me infertile, and a bunch of other crazy conspiracy theories. They're apart of "Q-anon" soooo
Thinking that it'll affect my future generations
Mom don't trust vaccines, specifically RNA vaccines
Because they believe I will be infertile if I get it
I don't even know
They believe it is unsafe
Worried about side effects for minors
My parents believe that it is not tested sufficiently and that it causes harm to those that receive the vaccine.
They think I'm going to die from the vaccine and refuse to take me
They believe it changes DNA and destroys your fertility
My mother says the government doesn't have enough "test dummies" for us to receive the vaccine
Because they think it's fake
My parents prefer to use supplements of vitamins and more natural health methods
My parents believe there hasn't been enough research
They do not trust it, believe the requirement of the vaccine is a violation of our rights, many other reasons.
My family has been against vaccines for decades now. They believe it causes autism and makes people sick.
"They're testing it on us"
The speculations about the trackers and the micro-chips, and that the vaccine might make us sterile. But that is my parents, I am fine with getting it.

NO TO VACCINE TODAY (n=36)/VACCINE RESISTANCE
Religious and medical
There could be things in the vaccine that are not being said. Why else is the government forcing it so much. It is also still in its testing phase.
The government is tracking us
Immunity is better than vax
My primary reason for not wanting to get vaccinated is my variety of physical health concerns at the moment. I don't feel comfortable getting the vaccine until I have a better understanding of my body and my immune system.
We don't feel like it is important for us
The effectiveness of the vaccine
It hasn't been out long
Health problems
Medical reasons
They are forcing it too much, it's only been a thing for a couple months but yet it takes years to make vaccines
Unknown long-term effects of the covid vaccine, especially in youth/developing people
Concerns of side effects later on
Not against
Religious reasons
The vaccine has not been properly tested and we will all die from it
Believe it's not necessary, and it's even more convincing not to get it because government is pushing for it so much, yet they're excused from it and haven't even gotten their kids it.
My mom got it because she's a nurse and would've lost her job otherwise, however she never wanted it
We don't trust it and we refuse
I don't want to be a guinea pig for a rushed vaccine for an illness with over a 99% survival rate. I've seen the effects it's had on my friends and family and I do not want to be in the same boat. I'd rather just wear my mask in places where it's required.
I don't trust it and have many friends who have had it that either have had weird side effects and/or have gotten Covid after getting it!
There are a lot of dangerous things about the vaccine and it's not safe. A friend of ours had a giant skin tumor after getting the 2nd dose in the same spot the dose was delivered. It's really sketchy and they are pushing it too much to the point where it's questionable. I also don't like the gov telling me what to do with my body.
Unnecessary and health risks
I don't believe that the government has had enough time truly study the long-term effects of this vaccine.
We don't need it, plus we don't think there's been enough time to accurately gauge effectiveness.
Health, past medical reaction
Concerns about side effects
I believe in science, and it clearly states that any vaccine takes 7-12 years to fully test. It has not been that long yet so forth I will not be getting it until that much time had passed. Then we know what long term effects are.
We don't feel we need it
It has proved to cause more serious illnesses than many other vaccines
We are unsure of the long term affects it may have on our bodies
For me I refuse to get it because i do not trust the government.

Conflicts of interest amongst the government officials spearheading the vaccine and those who profit from the vaccine, if the vaccine is intended to protect me from COVID-19, but I have tested positive for antibodies against it, why do I need to get the vaccine against medical advice because of family history with blood clots and circulatory diseases? It is unethical to force anyone to get a vaccine just so that they can live a normal life and receive education and have a chance to work.
It goes against my religion and the virus is not deadly
Not enough testing
I don't trust it based off what I have seen

UNSURE ABOUT VACCINE TODAY (n=10)/VACCINE HESITANCY

Honestly, I'm scared that there will be side effects on me that could hurt me long-term. I don't know which information to trust. I know eventually I will get it, but I genuinely am surprised that a vaccine was made in the short period of time.
My parents don't believe it or trust it
They think there will be bad side effects and I won't be able to have children.
What are the side effects? Will it affect my chance of having children in the future?
Concerns about my fertility in the future
My parents think it doesn't work and are worried it causes heart problems and infertility.
Health reasons and also because my parents don't trust the government and don't trust the safety of the vaccine.
Worried about ingredients
Possible side effects and death
Unknown side effects

COVID-19 VACCINE INFORMATION & RESOURCES:

From which sources have you received information and/or resources about COVID-19 and the vaccines?

Comparing vaccinated to unvaccinated respondents in the sample, those participants who were vaccinated cited Family and Doctors as sources of information and resources to a greater degree than unvaccinated participants. The unvaccinated group named Social Media as their top source and to a greater degree than the vaccinated group.

TOTAL ANSWERED (n=327)		%	TOTAL VACCINATED (n=226)		%	TOTAL UNVACCINATED (n=101)		%
Family	78%		Family	81%		Social Media	79%	
Social Media	72%		Social Media	69%		Family	70%	
Friends	62%		Doctor(s)	62%		Friends	63%	
Doctor(s)	56%		Friends	62%		Television	53%	
School	51%		School	53%		School	46%	
Television	47%		Television	45%		Doctor(s)	42%	
Print Media	33%		Print Media	31%		Print Media	36%	
Community Center(s)	18%		Community Center(s)	16%		Community Center(s)	21%	
Another	6%		Another	6%		Another	6%	
Prefer not to answer	2%		Haven't received any	1%		Prefer not to answer	4%	
Haven't received any	1%		Prefer not to answer	0.4%		Haven't received any	0%	

Sorting the sources of information and resources for the unvaccinated group according to their acceptance, resistance or hesitancy related to the vaccine, results showed that social media was by far the biggest source for the vaccine acceptance subgroup, whereas family was the biggest source for the vaccine resistant and hesitant groups. The responses to the “Another” option are sorted by vaccine uptake, acceptance and resistance following the tables.

Vaccine today-YES (n=38)		%	Vaccine today-NO (n=45)		%	Vaccine today-UNSURE (n=18)		%
Social Media	87%		Family	84%		Family	83%	
Friends	58%		Social Media	76%		Social Media	72%	
Family	47%		Friends	67%		Friends	61%	
School	45%		Television	64%		School	56%	
Doctor(s)	39%		Doctor(s)	53%		Television	50%	
Television	39%		School	44%		Doctor(s)	22%	
Print Media	34%		Print Media	44%		Print Media	22%	
Community Center(s)	18%		Community Center(s)	27%		Community Center(s)	17%	
Prefer not to answer	3%		Another	11%		Prefer not to answer	6%	
Another	3%		Prefer not to answer	4%		Haven't received any	0%	
Haven't received any	0%		Haven't received any	0%		Another	0%	

ANOTHER-verbatim responses (n=19):**Vaccinated (n=13)**

I've done my own research, including learning about how the mRNA vaccines are made (n=2)

Internet (n=2)

At work, I work in healthcare

My professor, the CDC, WHO

Scholarly articles

Work

CDC

Government officials (CDC, WHO, etc)

Other research I have done, including reliable sources such as the CDC

Doctors/medical professionals

Coworkers, radio (progress station on XM, 99.3 KTCL)

Unvaccinated/Vaccine Accepting (n=1)

Medical websites

Unvaccinated/Vaccine Resistant (n=5)

The news

The breakdown report of MDMA vaccines when it first came out

CDC, FDA, local health department on social media

Literally anything

Reading medical research papers

ADDITIONAL INFORMATION NEEDED:**What more would you like to know about the COVID-19 vaccine?**

Desire for additional information and the type vary according to vaccine uptake and perceptions:

TOTAL ANSWERED (n=322)	%
EFFECTIVENESS with new VARIANTS	41%
DO NOT NEED more info	38%
SIDE EFFECTS	27%
SAFETY	26%
Effectiveness, safety &/or side effects of vax BRANDS	25%
How do I talk to my PARENTS/GUARDIANS?	14%
COST	10%
How &/or where to SIGN UP	8%
When is it MY TURN?	4%
Another	3%
Prefer not to answer	2%

TOTAL UNVACCINATED (n=95)	%
SIDE EFFECTS	38%
EFFECTIVENESS with new VARIANTS	35%
DO NOT NEED more info	35%
SAFETY	32%
Effectiveness, safety &/or side effects of vax BRANDS	27%
How do I talk to my PARENTS/GUARDIANS?	23%
COST	18%
How &/or where to SIGN UP	15%
When is it MY TURN?	3%
Prefer not to answer	3%
Another	2%

Vaccine today-YES (n=38)	%
How do I talk to my PARENTS/GUARDIANS?	42%
EFFECTIVENESS with new VARIANTS	37%
SIDE EFFECTS	32%
Effectiveness, safety &/or side effects of vax BRANDS	26%
How &/or where to SIGN UP	26%
SAFETY	21%
COST	21%
DO NOT NEED more info	21%
When is it MY TURN?	5%
Prefer not to answer	5%
Another	0%

Vaccine today-NO (n=41)	%
DO NOT NEED more info	59%
SAFETY	29%
SIDE EFFECTS	29%
Effectiveness, safety &/or side effects of vax BRANDS	17%
EFFECTIVENESS with new VARIANTS	15%
COST	5%
How do I talk to my PARENTS/GUARDIANS?	5%
Another	5%
How &/or where to SIGN UP	2%
Prefer not to answer	2%
When is it MY TURN?	0%

Vaccine today-UNSURE (n=18)	%
EFFECTIVENESS with new VARIANTS	78%
SIDE EFFECTS	72%
SAFETY	61%
Effectiveness, safety &/or side effects of vax BRANDS	56%
COST	39%
How do I talk to my PARENTS/GUARDIANS?	22%
How &/or where to SIGN UP	17%
DO NOT NEED more info	11%
When is it MY TURN?	6%
Prefer not to answer	0%
Another	0%

ANOTHER-verbatim responses (n=9):**Vaccinated (n=7)**

Booster shot information (n=5)

Efficacy over time, booster necessity/availability

I don't need these but if I were to want more information, I would want these

Unvaccinated/Vaccine Resistant (n=2)

Why do people press the vax on people who already have immunity? Immunity is better.

Why should I trust a vaccine developed by a government that doesn't care about the well-being of its people unless there's profit involved?

LEVEL OF WORRY: How worried are you right now about the COVID-19 pandemic?

<i>Level of Worry</i>	TOTAL ANSWERED (n=313)	Total VACCINATED (n=215)	Total UNVACCINATED (n=98)
1-Not at all	14%	6%	32%
2-A little	21%	18%	29%
3-Somewhat	42%	49%	26%
4-Very	19%	22%	10%
5-Extremely	5%	5%	4%
Mean	2.79	3.03	2.27

UNVACCINATED:

<i>Level of Worry</i>	Vaccine today-YES (n=37)	Vaccine today-NO (n=43)	Vaccine today-UNSURE (n=18)
1-Not at all	14%	56%	11%
2-A little	35%	19%	39%
3-Somewhat	30%	21%	28%
4-Very	11%	5%	22%
5-Extremely	11%	0%	0%
Mean	2.70	1.74	2.61

Across the entire sample of those who answered this question, the average level of worry was 2.79 on a scale ranging from 1 (not at all worried) to 5 (extremely worried). Breaking out vaccinated from unvaccinated respondents, results showed that vaccinated participants reported higher levels of worry about the pandemic than unvaccinated participants (3.03 vs 2.27). Comparisons within the unvaccinated sample revealed that those who were vaccine accepting experienced a significantly higher level of worry than those were vaccine resistant (2.70 vs 1.74).

The following table ranks subgroups by the highest average levels of worry (> 3.0 avg), sums the percentages of respondents in each subgroup answering “very” or “extremely” worried about the pandemic and compares to the cohort group.

Highest Worry

Subgroup	Avg	Very+Extremely	Comparison Grp	Avg	Very+Extremely
Nonbinary	3.27	32%	Cisgender	2.60	20%
Neurodivergent	3.17	32%	Neurotypical	2.80	24%
Transgender	3.10	37%	Cisgender	2.60	20%
Disabled	3.08	25%	Non-Disabled	2.75	23%
HH Vaxxed ALL	3.06	31%	HH Vaxxed NONE	2.26	15%
LGBTQ+	3.04	28%	Non-LGTO+	2.32	14.5%
Age 18-24	3.04	30%	Age 12-17	2.69	21%

Demographic Comparisons: Key Findings

Subgroup comparisons where the differences in means was greater than 0.50:

GENDER IDENTITY

Mean differences in worry were evident for Cisgender vs Transgender vs Nonbinary, with the Nonbinary subgroup reporting the highest level of worry (3.27), Transgender next (3.10) and then Cisgender the lowest (2.60). When comparing the percentages of respondents who answered “very” or “extremely” worried, the Transgender subgroup had the highest percentage at 37% followed by Nonbinary at 32% and Cisgender at 20%.

LGBTQ+

The LGBTQ+ subgroup also reported a higher average level of worry about the pandemic (3.04) than the non-LGBTQ+ subgroup (2.32). The percentage of LGBTQ+ individuals who answered “very” or “extremely” worried was 28% in comparison to 14.5% of non-LGBTQ+ individuals.

HOUSEHOLD VACCINATION STATUS

Respondents whose household members had all been vaccinated reported higher worry (3.06) about the pandemic than those who had some vaccinated and some unvaccinated members (2.38) or those living in households where none of the members were vaccinated (2.26). The percentage of the ALL HH Vaccinated subgroup indicating they were “very” or “extremely” worried was 31%, in comparison to the SOME HH Vaccinated subgroup of 4% and the NONE HH Vaccinated subgroup of 15%.

CURRENT CONCERNS:

What are your greatest concerns in the pandemic right now?

Whether vaccinated or unvaccinated, or whether unvaccinated and vaccine accepting, resistant or hesitant, the same five greatest concerns emerged for youth and young adult respondents: Mental Health, Physical Health, Education, Social Isolation and Financial Concerns. The ranking and degree of concerns varied by vaccine uptake and perceptions, however.

TOTAL ANSWERED (n=308)	%
MENTAL HEALTH	65%
PHYSICAL HEALTH	58%
EDUCATION	48%
SOCIAL ISOLATION	47%
FINANCIAL Concerns	30%
HOUSING	9%
INTERNET &/OR COMPUTER ACCESS	9%
Accessing FOOD	8%
NO MAJOR CONCERNS	8%
ANOTHER	6%
Prefer not to answer	0%

Total VACCINATED (n=210)	%
MENTAL HEALTH	67%
PHYSICAL HEALTH	65%
EDUCATION	54%
SOCIAL ISOLATION	50%
FINANCIAL Concerns	29%
Accessing FOOD	9%
INTERNET &/OR COMPUTER ACCESS	8%
ANOTHER	8%
HOUSING	6%
NO MAJOR CONCERNS	4%
Prefer not to answer	0%

Total UNVACCINATED (n=96)	%
MENTAL HEALTH	60%
PHYSICAL HEALTH	43%
SOCIAL ISOLATION	41%
EDUCATION	35%
FINANCIAL Concerns	32%
NO MAJOR CONCERNS	18%
HOUSING	16%
INTERNET &/OR COMPUTER ACCESS	9%
Accessing FOOD	7%
ANOTHER	3%
Prefer not to answer	1%

UNVACCINATED:

Vaccine today-YES (n=38)	%
MENTAL HEALTH	61%
PHYSICAL HEALTH	53%
SOCIAL ISOLATION	37%
FINANCIAL Concerns	34%
EDUCATION	26%

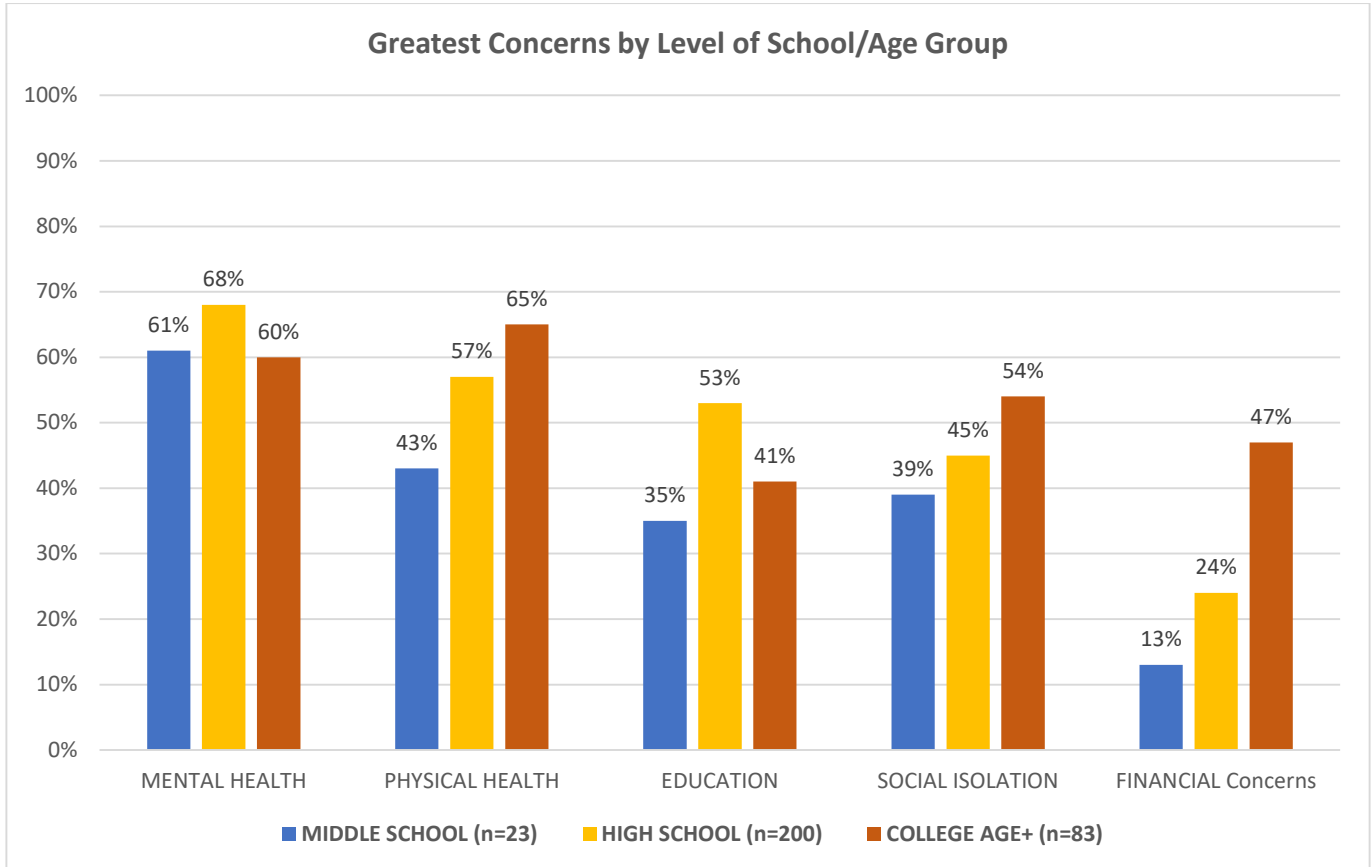
Vaccine today-NO (n=42)	%
MENTAL HEALTH	60%
SOCIAL ISOLATION	50%
EDUCATION	45%
FINANCIAL Concerns	29%
PHYSICAL HEALTH	26%

Vaccine today-UNSURE (n=18)	%
PHYSICAL HEALTH	61%
MENTAL HEALTH	61%
EDUCATION	39%
SOCIAL ISOLATION	33%
FINANCIAL Concerns	33%

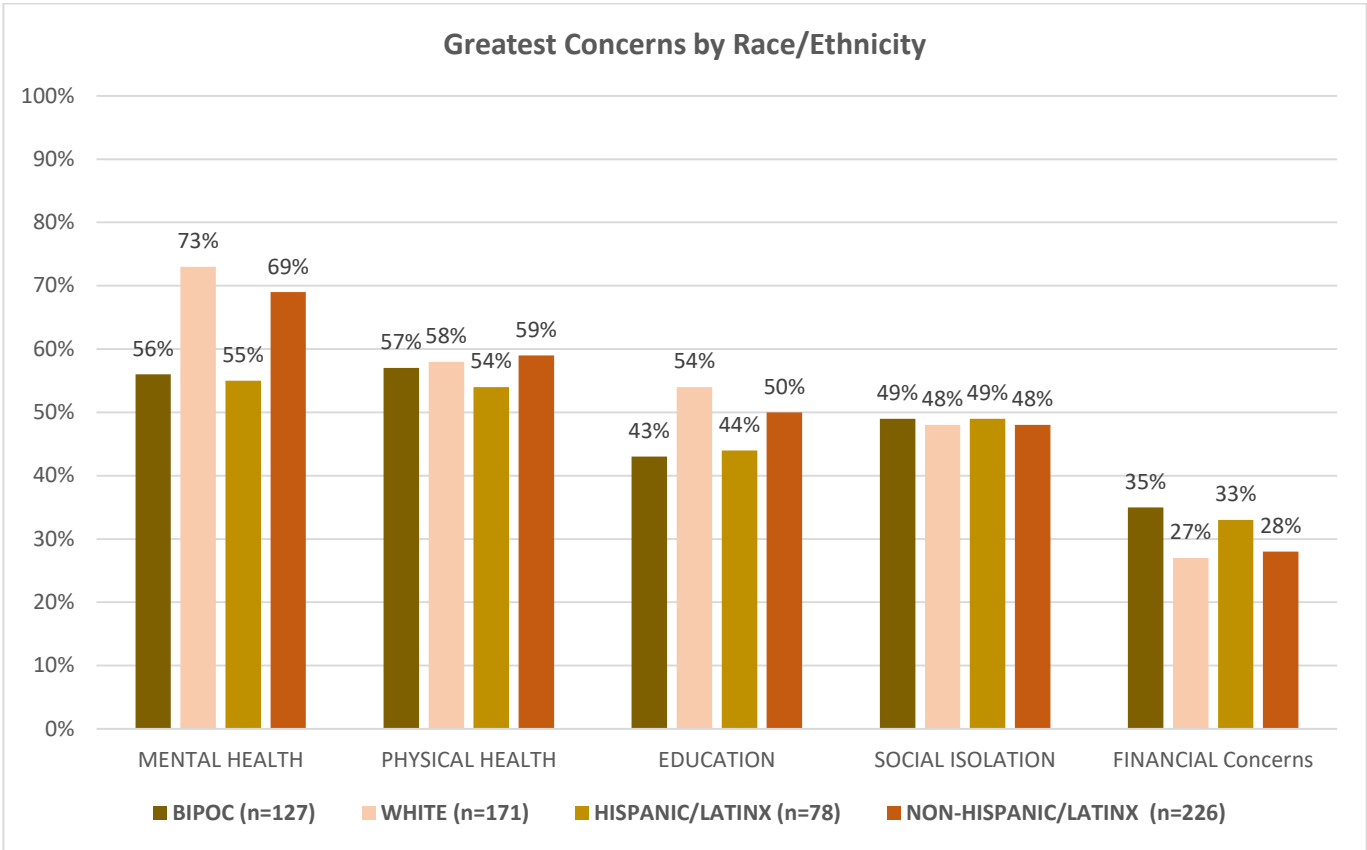
Demographic Comparisons: Key Findings

The same concerns were in the top 5 across every demographic subgroup comparison except for the Middle School cohort, for whom “No Major Concerns” made it into the top five ahead of Financial Concerns (17% vs 13%). Within the top five of Mental Health, Physical Health, Education, Social Isolation and Financial Concerns, the following demographic subgroup comparisons yielded one or more noteworthy differences as shown in the graphs:

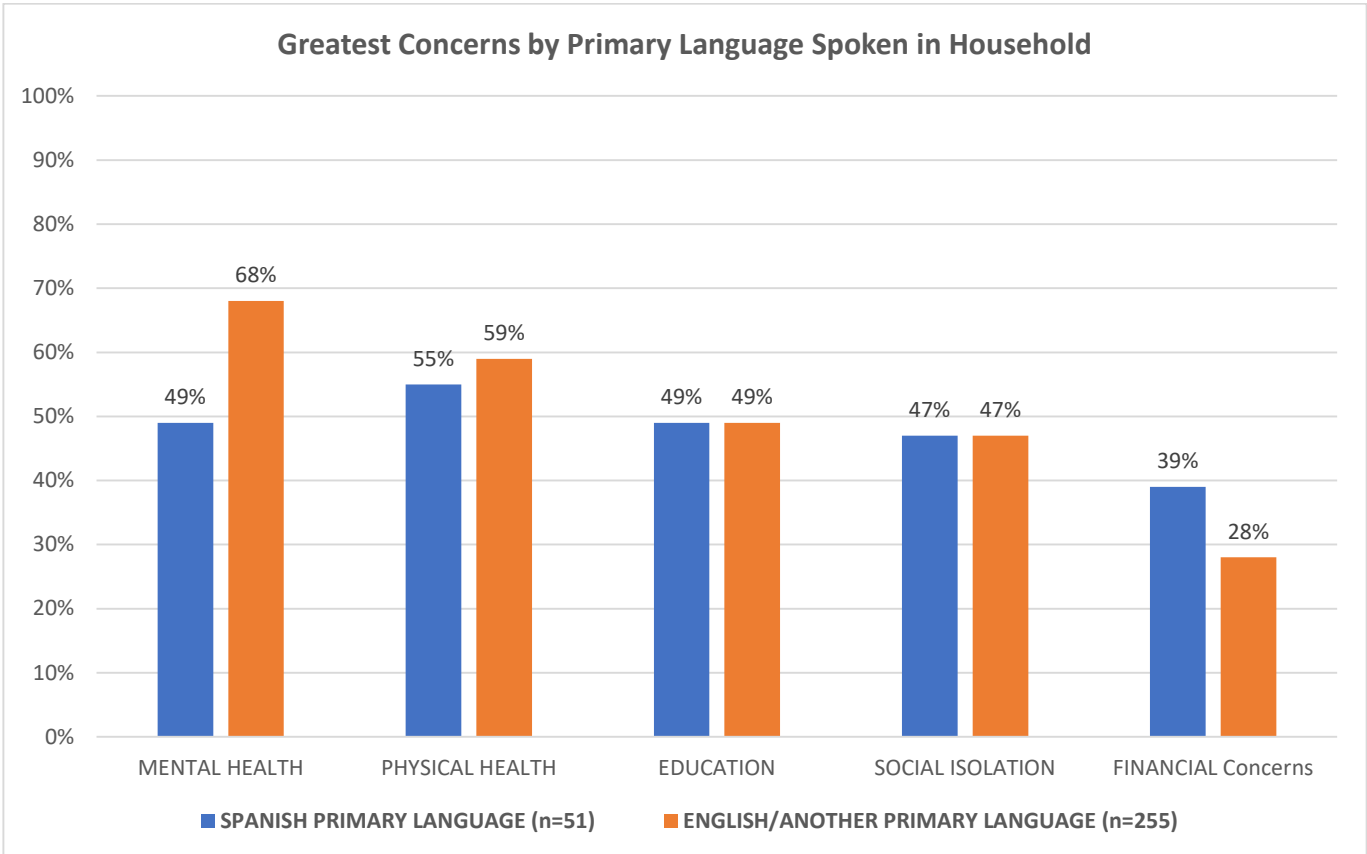
AGE/LEVEL OF SCHOOL



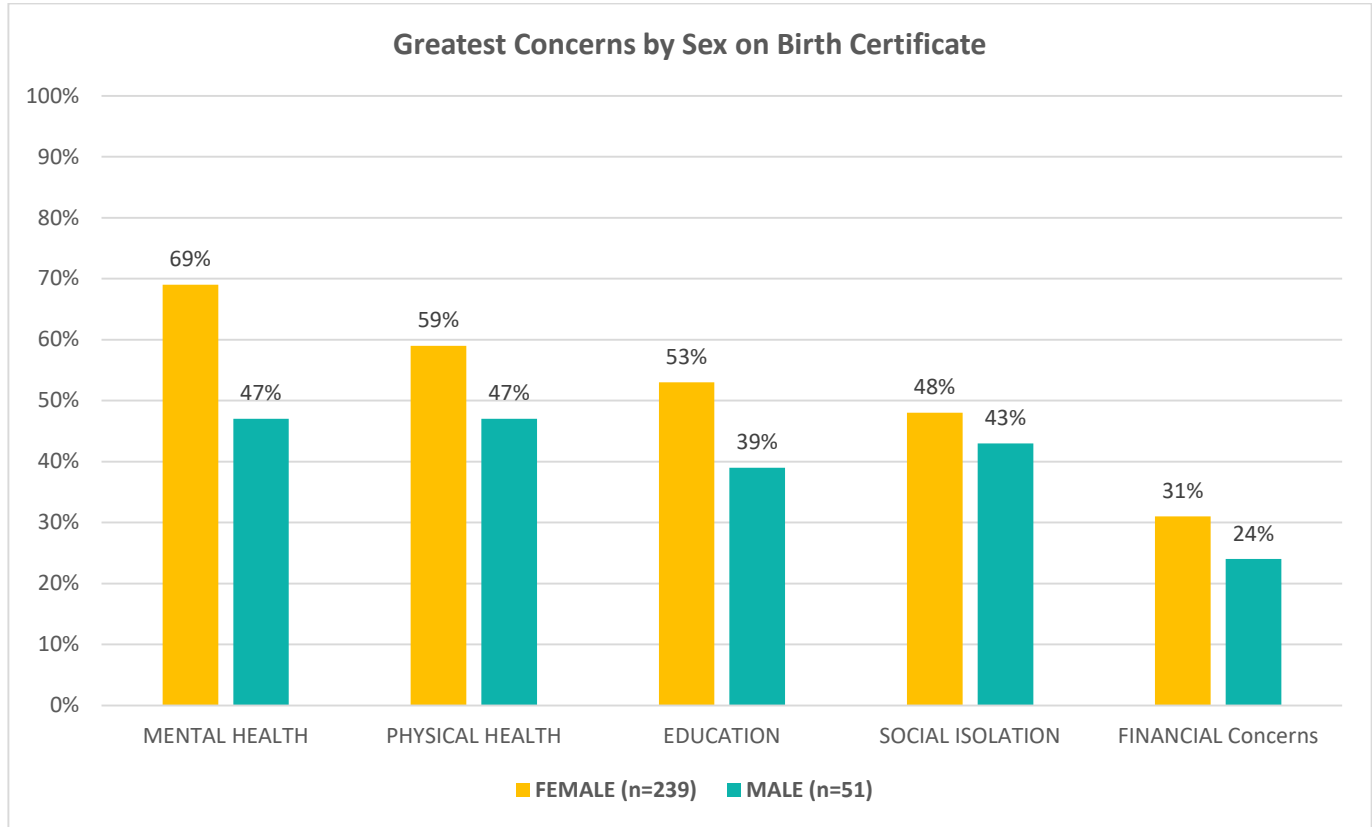
RACE/ETHNICITY



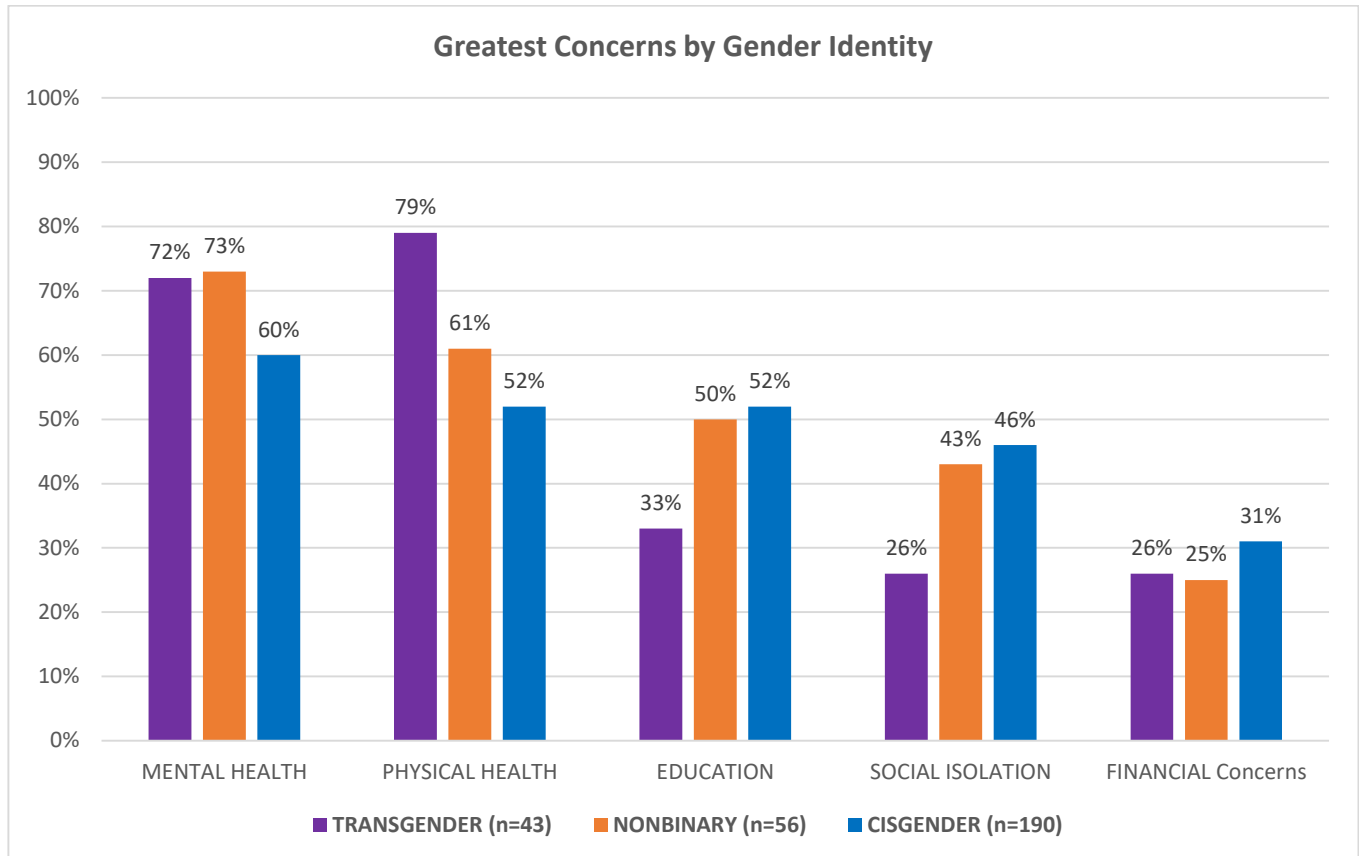
SPANISH PRIMARY LANGUAGE



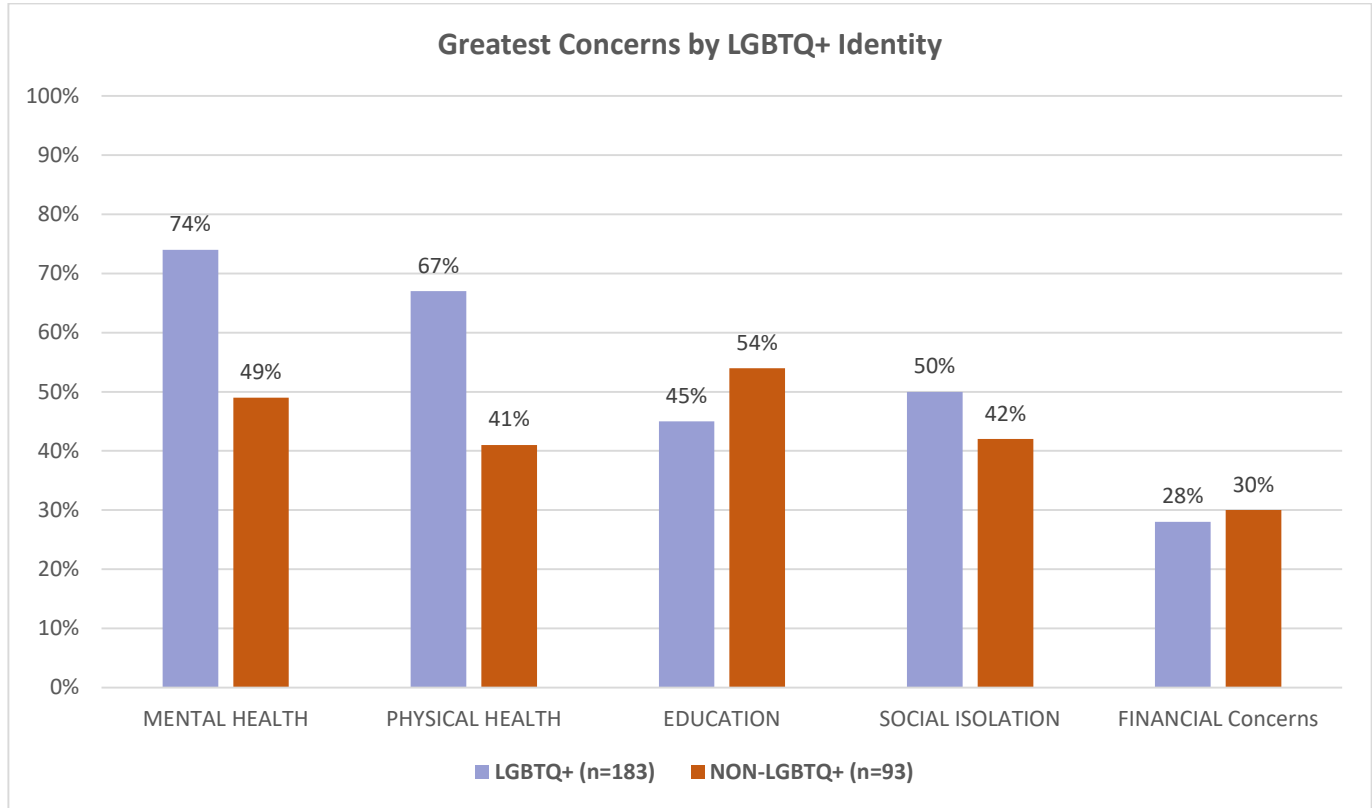
SEX ON BIRTH CERTIFICATE



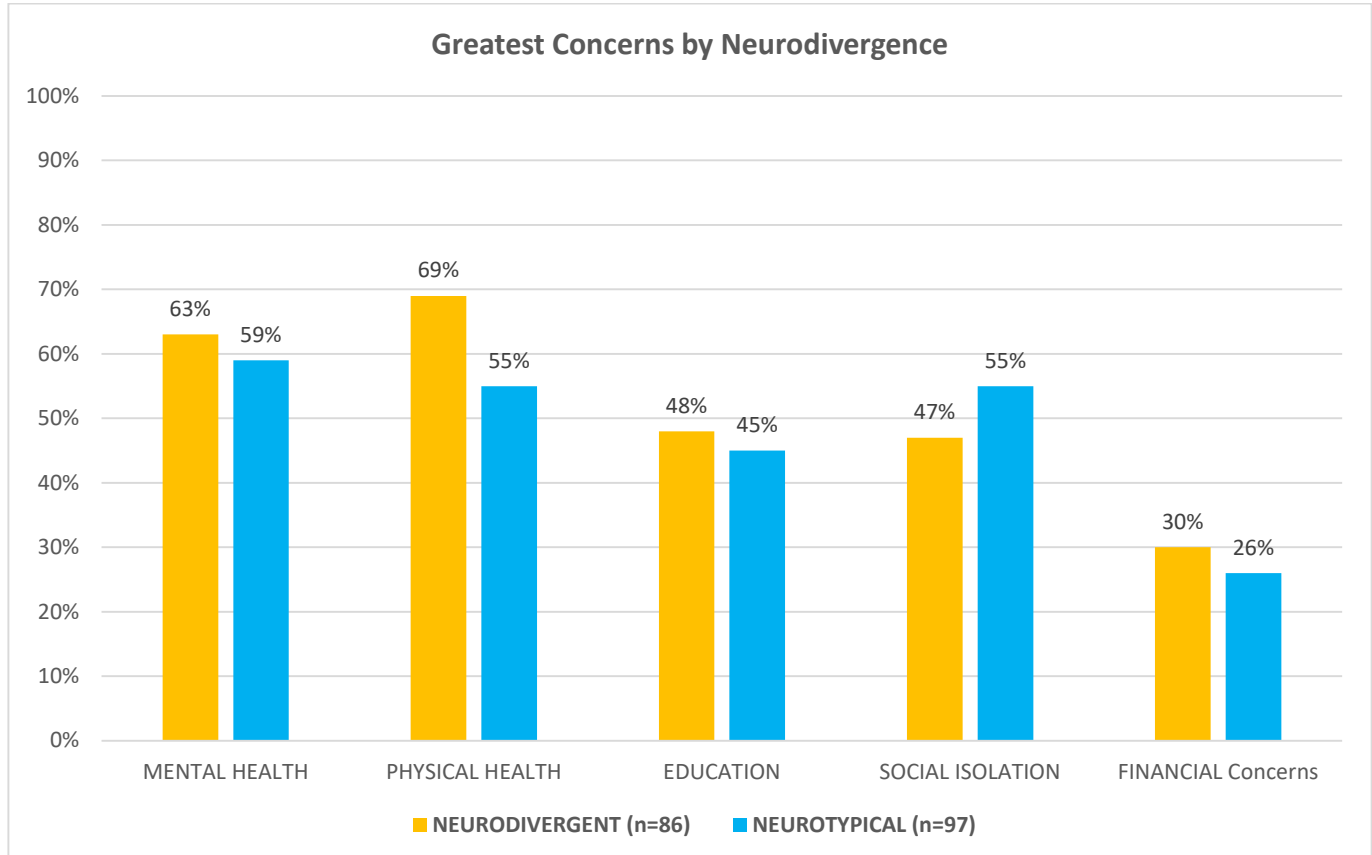
GENDER IDENTITY



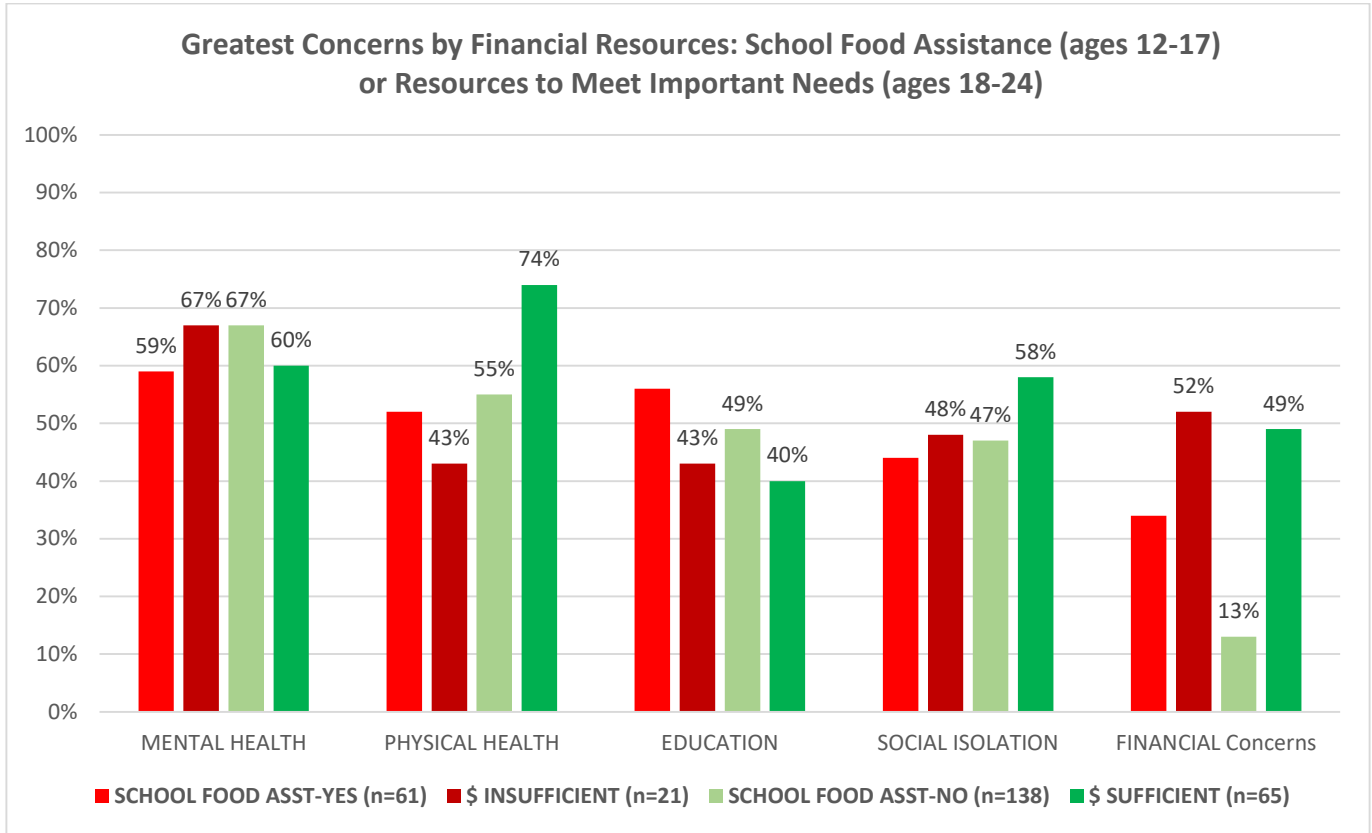
LGBTQ+



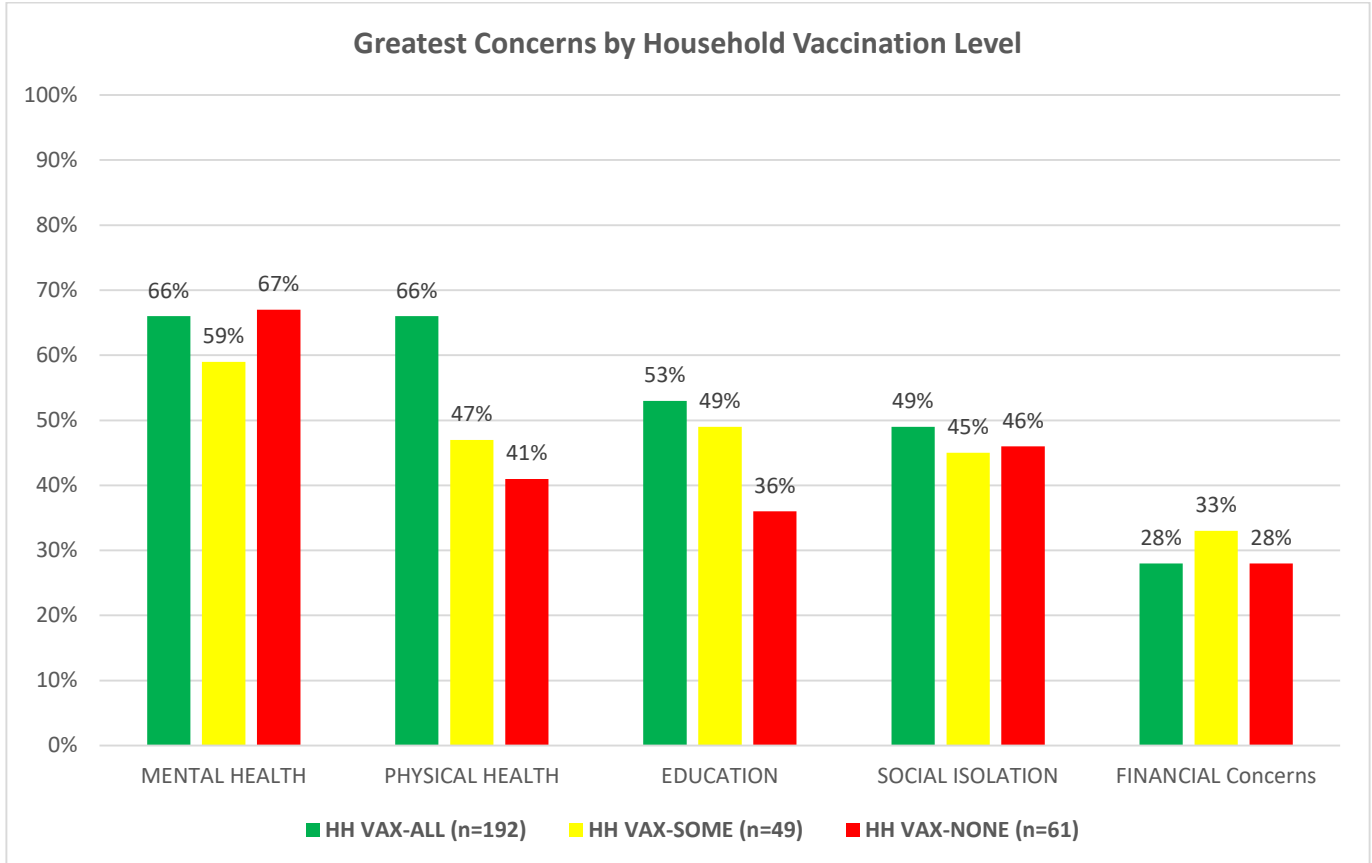
NEURODIVERGENCE



FINANCIAL RESOURCES



HOUSEHOLD VACCINATION STATUS



ADDITIONAL COMMENTS: Anything else you would like to add about your experience or needs at this point of the pandemic?

n=32 responses

I hope that this outbreak can be resolved as soon as possible

Everyone around me, including myself, is struggling mentally. I believe there should more access to resources & work/school should be more understanding.

I just want it done

People care more about a medicine then human life

Please just let the people choose what they want to do about the vaccine and pandemic

A lot of people assume that just because you don't want the vaccine you're anti vaccine but some people are genuinely not getting it for their own safety

I'm worried about what would happen if I got COVID-19

I hope the outbreak is over soon

Parents need to respect that on high school we are still teens who need some form of outlet from the house with covid.

I'm very social and having to quarantine or not see my friends would be tough for me

Privacy

No, I just hope school doesn't go remote for very long

I just want it to be over since every one of the 5 sports I play is messed up because of Covid and masks.

I will wear my mask when needed and do everything I need to be safe. I am also not opposed to the vaccine. I will get it in time. It is just too soon for me. Also, lockdowns are a lot worse than covid. Forcing children to be at home is scary. We don't always know what happens behind closed doors and it is not okay to force someone to have to deal with that. School and outside should be resources for kids and families to get away from. a possible toxic and abusive situation. And the only thing I don't like about masks is acne

Music and band being taken from me at my low point truly struck, so I'm slightly worried about losing it for a year again.

People dying. Losing my loved ones at an alarming rate and people calling it a hoax and denying the fact that it's happening. This is the most dangerous part of this pandemic.

Due to sickness my work is understaffed so we have to complete a normal amount of work with limited people and without any covid pay raises.

Knowing that it really opened my eyes about life and how I need interaction with people

Mental illness and suicide is rampant in high school students right now, I've had so many people make jokes about committing unalive and how dumb it is. The school system could really educate people on mental health issues

So far, my family has handled it pretty well. No one that we know closely has died from covid. One struggle that we had was the death of a close family member (not related to covid), but it was hard because we weren't able to see that person as much because of COVID-19 safety protocols.

School has not acknowledged the summer knowledge loss this year, which sucks because it's a lot worse than previous years due to being online.

Without it I think the government is doing a good job

My neighbor next door is very sick and at risk but can't get the vaccine because she is allergic to it, which makes it hard for her to get into hospital. We contacted a few hospitals and I'm not sure if this news has gone publicly yet but must of them said their patients are getting other symptoms about a year after they had covid.

This pandemic threw a wrench into all my plans

The pandemic wasn't and isn't going to be fun, but we can squash this thing with a unified social movement, I'm worried that may not happen though

I'm just worried that more people will die and more controversies will come out that just take attention away from other issues

I stated that I have a family member who had COVID, they live in California, and it has been over a year.

How do I get people to get vaccinated or mask up?

Education was really hard during the pandemic

It made me gay

If school goes back online, I absolutely will fail high school and I might just drop out if it does.

Communication from school (CHS) and district (BVSD) have been lacking in terms of info about virtual education when students are quarantined or sick.

APPENDICES: Detailed Demographic Data

A: Demographic Tables

B: LGBTQ+ Identities

C: Neurodivergent Identities

D: Disabilities

APPENDIX A: DEMOGRAPHIC TABLES

**2021 YOUTH VACCINE SURVEY
DEMOGRAPHIC TABLES**

	ALL (N=420)		LGBTQ+ (240)		Non-LGBTQ+(141)		BIPOC (186)		WHITE only (223)	
	#	%	#	%	#	%	#	%	#	%
AGE										
12	14	3%	7	3%	5	4%	4	2%	10	4%
13	18	4%	10	4%	5	4%	10	5%	8	4%
14	45	11%	28	12%	12	9%	18	10%	27	12%
15	65	16%	40	17%	19	13%	23	12%	38	17%
16	83	20%	48	20%	29	21%	35	19%	42	19%
17	60	14%	35	15%	18	13%	20	11%	39	17%
18	37	9%	26	11%	10	7%	17	9%	20	9%
19	28	7%	12	5%	15	11%	15	8%	13	6%
20	13	3%	5	2%	7	5%	8	4%	5	2%
21	11	3%	8	3%	2	1%	5	3%	6	3%
22	20	5%	6	3%	10	7%	15	8%	5	2%
23	14	3%	8	3%	5	4%	11	6%	3	1%
24	8	2%	5	2%	3	2%	3	2%	5	2%
Prefer not to answer	2	0.5%	1	0.4%	1	1%	2	1%	0	0%
EDUCATION										
Middle School	35	8%	21	9%	8	6%	17	9%	18	8%
High School	255	61%	147	61%	85	60%	97	52%	147	66%
College	73	17%	40	17%	29	21%	40	22%	33	15%
Post-graduate	18	4%	6	3%	9	6%	13	7%	5	2%
Not attending school	36	9%	22	9%	10	7%	16	9%	20	9%
Prefer not to answer	3	1%	1	0.4%	0	0%	3	2%	0	0%
SEX on birth certificate										
Female	314	75%	191	80%	93	66%	121	65%	184	83%
Male	86	20%	31	13%	47	33%	55	30%	30	13%
Prefer not to answer	20	5%	18	8%	1	1%	10	5%	9	4%
GENDER IDENTITY										
Cisgender	266	63%	91	38%	138	98%	139	75%	119	53%
Transgender	54	13%	54	23%	0	0%	15	8%	39	17%
Nonbinary	70	17%	69	29%	1	1%	23	12%	44	20%
Do not understand	4	1%	2	1%	1	1%	2	1%	2	1%
Another	25	6%	23	10%	1	1%	7	4%	18	8%
Prefer not to answer	1	0.2%	1	0.4%	0	0%	0	0%	1	0.4%
LGBTQ+										
Yes	240	57%	240	100%			82	44%	151	68%
No	141	34%			141	100%	84	45%	55	25%
Not sure yet	30	7%					14	8%	16	7%
Prefer not to answer	9	2%					6	3%	1	0.4%

2021 YOUTH VACCINE SURVEY
DEMOGRAPHIC TABLES

	ALL (N=420)		NEURODIVERGENT (109)		NEUROTYPICAL (150)		DISABLED (33)		Non-DISABLED (352)	
	#	%	#	%	#	%	#	%	#	%
AGE										
12	14	3.3%	4	4%	2	1%	0	0%	12	3%
13	18	4.3%	3	3%	6	4%	0	0%	16	5%
14	45	10.8%	9	8%	13	9%	3	9%	40	11%
15	65	15.6%	17	16%	19	13%	2	6%	55	16%
16	83	19.9%	15	14%	32	21%	6	18%	72	20%
17	60	14.4%	17	16%	21	14%	2	6%	53	15%
18	37	8.9%	16	15%	11	7%	6	18%	25	7%
19	28	6.7%	9	8%	11	7%	3	9%	25	7%
20	13	3.1%	1	1%	9	6%	2	6%	10	3%
21	11	2.6%	5	5%	3	2%	3	9%	6	2%
22	20	4.8%	5	5%	12	8%	3	9%	16	5%
23	14	3.3%	5	5%	7	5%	2	6%	11	3%
24	8	1.9%	2	2%	3	2%	1	3%	7	2%
Prefer not to answer	2	0.5%	1	1%	1	1%	0	0%	4	1%
EDUCATION										
Middle School	35	8%	9	8%	9	6%	1	3%	31	9%
High School	255	61%	62	57%	84	56%	15	45%	220	63%
College	73	17%	22	20%	29	19%	11	33%	55	16%
Post-graduate	18	4%	2	2%	13	9%	0	0%	17	5%
Not attending school	36	9%	14	13%	14	9%	6	18%	27	8%
Prefer not to answer	3	1%	0	0%	1	1%	0	0%	2	1%
SEX on birth certificate										
Female	314	75%	87	80%	96	64%	25	76%	265	75%
Male	86	20%	12	11%	50	33%	4	12%	76	22%
Prefer not to answer	20	5%	10	9%	4	3%	4	12%	11	3%
GENDER IDENTITY										
Cisgender	266	63%	42	39%	120	80%	14	42%	240	68%
Transgender	54	13%	24	22%	11	7%	6	18%	36	10%
Nonbinary	70	17%	34	31%	14	9%	10	30%	55	16%
Do not understand	4	1%	1	1%	0	0%	0	0%	3	1%
Another	25	6%	7	6%	5	3%	3	9%	17	5%
Prefer not to answer	1	0%	1	0.9%	0	0%	0	0%	1	0.3%
LGBTQ+										
Yes	240	57%	94	86%	63	42%	30	91%	180	51%
No	141	34%	11	10%	69	46%	2	6%	136	39%
Not sure yet	30	7%	2	2%	14	9%	1	3%	29	8%
Prefer not to answer	9	2%	2	2%	4	3%	0	0%	7	2%

2021 YOUTH VACCINE SURVEY
DEMOGRAPHIC TABLES

	ALL (N=420)		LGBTQ+ (240)		Non-LGBTQ+(141)		BIPOC (186)		WHITE only (223)	
	#	%	#	%	#	%	#	%	#	%
NEURODIVERGENT										
Yes	109	26%	94	39%	11	8%	35	19%	74	33%
No	150	36%	63	26%	69	49%	79	42%	71	32%
Not sure	53	13%	45	19%	3	2%	15	8%	35	16%
Don't know what it means	100	24%	33	14%	57	40%	53	28%	42	19%
Prefer not to answer	8	2%	5	2%	1	1%	4	2%	3	1%
DISABLED										
Yes	33	8%	30	13%	2	1%	14	8%	18	8%
No	352	84%	180	75%	136	96%	157	84%	189	84%
Not sure	24	6%	22	9%	2	1%	10	5%	13	6%
Prefer not to answer	11	3%	8	3%	1	1%	5	3%	5	2%
RACE/ETHNICITY*										
Am Indian/Alaska Native	18	4%	11	5%	5	4%	18	10%		
Asian/Asian American	44	10%	27	11%	13	9%	44	24%		
Black/African American	21	5%	15	6%	5	4%	21	11%		
Hispanic/Latinx	114	27%	36	15%	61	43%	114	61%		
Hawaiian/Pac Islander	9	2%	37	15%	4	3%	9	5%		
White/Caucasian	289	69%	180	75%	84	60%	66	35%	223	100%
Multiracial	27	6%	18	8%	8	6%	27	15%		
Unknown	9	2%	6	3%	2	1%	5	3%		
Prefer not to answer	8	2%	4	2%	2	1%	0	0%		
Another	2	0.5%	1	0.4%	1	1%	1	1%		
<i>*more than one selection possible</i>										
Hispanic/Latinx identity	121	29%	42	18%	64	45%	121	65%	0	0%
Prefer not to answer	4	1%	2	1%	1	1%	0	0%	1	0.4%
BIPOC	186	45%	82	35%	84	60%	186	100%		
White/Caucasian (only)	223	55%	151	65%	55	40%			223	100%
SPANISH PRIMARY LANGUAGE										
	78	19%	19	8%	48	34%	78	42%	0	0%
RESIDENCE by County										
Boulder County	205	49%	117	49%	72	51%	113	61%	88	39%
Other Colorado Counties (26)	205	49%	114	48%	69	49%	69	37%	130	58%
Not sure/Prefer not to answer	10	2%	9	4%	0	0%	4	2%	5	2%

2021 YOUTH VACCINE SURVEY DEMOGRAPHIC TABLES	ALL (N=420)		NEURODIVERGENT (109)		NEUROTYPICAL (150)		DISABLED (33)		Non-DISABLED (352)	
	#	%	#	%	#	%	#	%	#	%
NEURODIVERGENT										
Yes	109	26%	109	100%			21	64%	72	20%
No	150	36%			150	100%	3	9%	146	41%
Not sure	53	13%					5	15%	42	12%
Don't know what it means	100	24%					4	12%	88	25%
Prefer not to answer	8	2%					0	0%	4	1%
DISABLED										
Yes	33	8%	21	19%	3	2%	33	100%		
No	352	84%	72	66%	146	97%			352	100%
Not sure	24	6%	12	11%	1	1%				
Prefer not to answer	11	3%	4	4%	0	0%				
RACE/ETHNICITY*										
Am Indian/Alaska Native	18	4%	3	3%	6	4%	3	9%	13	4%
Asian/Asian American	44	10%	9	8%	17	11%	3	9%	33	9%
Black/African American	21	5%	7	6%	6	4%	4	12%	15	4%
Hispanic/Latinx	114	27%	19	17%	52	35%	6	18%	101	29%
Hawaiian/Pac Islander	9	2%	4	4%	0	0%	3	9%	4	1%
White/Caucasian	289	69%	87	80%	103	69%	21	64%	244	69%
Multiracial	27	6%	8	7%	7	5%	4	12%	18	5%
Unknown	9	2%	2	2%	0	0%	1	3%	5	1%
Prefer not to answer	8	2%	0	0%	2	1%	1	3%	6	2%
Another	2	0.5%	0	0%	0	0%	0	0%	2	1%
<i>*more than one selection possible</i>										
Hispanic/Latinx identity	121	29%	22	20%	53	35%	9	27%	105	30%
Prefer not to answer	4	1%	1	1%	0	0%	2	6%	2	1%
BIPOC	186	45%	35	32%	79	53%	14	44%	157	46%
White/Caucasian (only)	223	55%	74	68%	69	47%	18	56%	187	54%
SPANISH PRIMARY LANGUAGE										
	78	19%	11	10%	38	25%	6	18%	71	20%
RESIDENCE										
Boulder County	205	49%	57	52%	90	60%	19	58%	167	47%
Other Colorado Counties (26)	205	49%	50	46%	59	39%	14	42%	178	51%
Not sure/Prefer not to answer	10	2%	2	2%	1	1%	0	0%	7	2%

APPENDIX B: LGBTQ+ IDENTITIES

	n	%
TOTAL LGBTQ+ in sample	240	57%
Answered type of identity	209	87%

LGBTQ+ IDENTITY/IDENTITIES	n >1	%
Bisexual	44	21%
Pansexual	17	8%
Lesbian	13	6%
Gay	7	3%
Queer	7	3%
Transgender	4	2%
Transgender & Bisexual	10	5%
Transgender & Pansexual	4	2%
Nonbinary & Bisexual	3	1%
Lesbian & Nonbinary	3	1%

- Enby-fluid, omnisexual, asexual
- Gender fluid and pansexual
- Lesbian, genderqueer
- genderfluid
- Gay and trans man
- bisexual nonbinary
- Nonbinary, Genderqueer, Asexual, Omniromantic
- Omni Ace and Trans
- I am pansexual, intersex, and genderfluid
- Pan, cupiosexual
- Bi or Pan possibly Ace
- Agender, lesbian, asexual, demiromantic
- Trans, gay
- Gay Non-binary
- I'm trans masc non-binary and bisexual
- Lesbian / Demigirl
- asexual,lesbian ,queerpletoic
- unsure?? bi, queer
- heteroflexible and gender queer/non binary
- Abro
- Bisexual/Pansexual
- Questioning
- Transgender and queer
- Transgender female, asexual
- lesbian, questioning gender identity (definitely female, she/they???)
- Demiboy, bisexual
- I identify as Sapphic, which is an umbrella term for feeling attracted to women
- lesbian, any pronouns
- Bisexual, nonbinary, demi-boy
- Asexual and gender fluid
- asexual, abrosexual, biromantic, and aromantic
- Bisexual, nonbinary transmasc
- Asexual Lesbian
- Genderfluid bisexual
- I'm pansexual. Gender fluid
- Bisexual, Genderqueer/Genderfluid
- Trans Ace
- Non-binary, Queer
- non-binary (they/them) asexual, aromantic
- I identify as pan-romantic, grey-sexual, nonbinary, gender fluid
- queer transgender girl
- Nonbinary queer Latine
- i'm a non-binary lesbian
- Omnisexual
- I'm a biromantic transman
- Aromantic and Asexual

Lesbian, non-binary
 Queer/lesbian/trixic, non-binary
 bisexual/pansexual
 Bisexual, demisexual, demi-girl
 I am bi def, and genderfluid
 i'm a non binary pansexual
 i prefer not to label it
 Lesbian & nonbinary
 demigender and abrosexual
 Trans nonbinary
 queer and transmasc nonbinary
 Bisexual and demigirl
 i'm 100% into females or non binary. no men
 bisexual and nonbinary
 Aromantic asexual lesbian
 I identify as a binary trans man, queer for my sexuality
 i'm a trans boy and gay/queer
 i'm bisexual, and gender fluid as i don't mind different pronouns
 Bisexual/queer transgender man
 I am non-binary and pansexual
 Queer (gender and sexuality)
 Bisexual, asexual, queer
 Asexual, biromantic, transgender
 Queer, transmasc

I identify as queer and transgender non-binary
 Genderfluid bisexual polyamorous
 Trans and unlabeled sexuality
 Asexual/aromantic
 transmasc, pansexual
 Pansexual Asexual
 I'm trans, nonbinary, and queer
 Transmasculine, queer
 Omniromantic lesbian
 Transgender male, lesbian
 Agender and asexual
 Staticgender, polyamorous, and demisexual
 Bisexual, Queer
 Panromantic demi/homosexual, transgender
 I am non-binary, lesbian and I think being nonbinary counts as being trans
 Gender non-comforming, pansexual
 Biromantic, asexual, Demiromantic, transgender, genderfluid
 Trans male asexual panromantic
 Trans masculine, non-binary, biromantic, possibly asexual.
 Nonbinary, asexual, biromantic
 Non-Binary, Pansexual, & Neopronoun User
 Gay/Lesbian
 Genderfluid and queer

APPENDIX C: TYPES OF NEURODIVERGENCE

	n	%
TOTAL Neurodivergence in Sample	109	26%
Answered type of Neurodivergence	82	75%

TYPE(S) OF NEURODIVERGENCE	n >1	%
ADHD	25	30%
Autism	10	12%
Autism & ADHD	4	5%
Autism & ADD	3	4%
ADHD & OCD	2	2%
ADHD & Anxiety	2	2%

CONDITION PART OF DIAGNOSIS	n	%
ADHD	41	50%
Autism	26	32%
OCD	8	10%
ADD	3	4%

I'm a sociopath, no empathy or regret in regards to anyone or anything I've come into contact with, but also no regrets, remorse or fear

ADD, ADHD & Autism

I definitely have ADHD, autism, or both. Autism has been passed to all my family members and definitely has been passed to me.

Gifted/Talented & highly sensitive

ADHD maybe others

I am autistic and have sensory issues.

diagnosed with ADHD autism anxiety dyslexia and OCD

ADHD, autism, depression, anxiety, PTSD

adhd, anxiety, depression, severe paranoia

ADHD, Dyslexic

Bipolar Adhd Anxiety Depression Ocd

adhd and sensory processing

Borderline Personality Disorder

OCD

I have asynchronous development, and i am twice exceptionally gifted

Autism, ADHD, and dyslexia

I have anxiety and depression that I was diagnosed with at the age of 10

PTSD and bipolar

ADHD, Depression, PTSD, Anxiety

I have severe anxiety, depression, ptsd, and adhd

I have many symptoms of autism and am working on getting a diagnosis

ADHD and possible autism

bipolar depression, general anxiety, ADHD

adhd, anxiety, ocd

I have not been diagnosed due to lack of support and resources, but after doing lots of research, I believe I have ADD and/or Autism.

I was found to be a gifted student in 3rd grade since I would finish my work a long time before anyone else. I now attend a school for gifted children/teens.

inattentive, forgetful, sensory overload

diagnosed ADHD, depression, anxiety, and a few others

currently trying to figure it out with my therapist and psychiatrist

I am in the gifted and talented program at school.

ADHD and general anxiety disorder

Diagnosed ADHD and suspected Autism

ADD (Attention Deficit Disorder)

ADHD, & Social Difficulties

My doctor told me I don't have quite enough factors to be officially diagnosed with autism, ADHD, or something else, but that I am definitely neurodivergent in some regard.

Tourette's, ADHD, OCD

ADHD, OCD, Tourettes

ADHD, BPD, DID

APPENDIX D: FORMS OF DISABILITIES

	n	%
TOTAL Disabled in sample	33	8%
Answered type of disability	22	67%

PHYSICAL (n=6, 27%)

I have a spinal birth defect that affects my walking a little along with several other things I'd prefer not to state.
 I have Central Audio Processing Disorder, and I am currently in the process of getting a hearing aid for this
 Ehlers Danlos Syndrome
 hearing impaired, juvenile arthritis, and a variety of rare diseases
 I have a physical disability known as Ehlers-Danlos Syndrome and I am also hard-of-hearing.
 Hearing impairment

PSYCHIATRIC/AFFECTIVE/DEVELOPMENTAL (n=8, 36%)

I am neurodivergent and I have severe mental health issues
 Bipolar and anxiety
 I've been diagnosed with bipolar 2, clinical depression
 Mental illness
 ADHD learning disability
 I don't have physical disabilities but i have several depression , anxiety, ptsd, and adhd which impact me a lot
 Autism, neurodivergent
 Neurodivergent

PHYSICAL & NON-PHYSICAL (n=7, 32%)

Autism, ADHD, chronic migraine disorder, and chronic pain
 autism, unknown mobility issues
 ADHD, Autism, asthma, anxiety, depression, and auditory processing disorder.
 severe depression and anxiety, chronic back pain
 Physical disabilities- chronic fatigue, endometriosis, PCOS, anemia Emotional disabilities- anxiety, OCD
 adhd, ocd, very bad issues with my spine/back
 ADHD, Social Difficulties, Scoliosis, Asthma & Genetic Lung Condition, extremely sensitive skin