

# 2021 Kittitas County COVID-19 Vaccine Community Survey

Results Report

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The SARS-CoV-2 virus, a type of coronavirus first discovered in 2019, causes COVID-19 respiratory disease and led to the global COVID-19 pandemic. Primarily, the virus spreads through respiratory droplets from an infected person coughing, sneezing, and/or talking (CDC, 2021a). Even though COVID-19 and Influenza (Flu) spread in similar ways, they are different viruses. When compared to the Flu, COVID-19 spreads more easily, can cause more serious illness, take longer to show symptoms, and people can be contagious for a longer period (CDC, 202). Illness from COVID-19 ranges mild to severe, while some infected people may not exhibit symptoms. Anyone can develop serious illness from COVID-19, though certain populations are at higher risk for severe illness, including adults 65 years and older, pregnant people, and people at any age with underlying medical conditions. Serious illness from COVID-19 can lead to death. As of June 1, 2022, the United States has documented over one million deaths due to COVID-19 disease is vaccination. In the United States, over 250,000,000 doses of COVID-19 vaccine have been administered as of June 1, 2022 (CDC, 2022b).

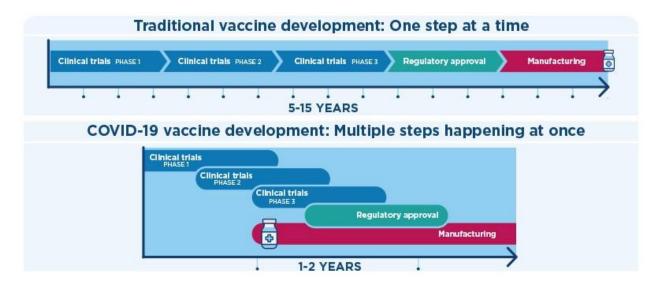
# **COVID-19 Vaccine Development**

On February 4, 2020, the U.S. Department of Health and Human Services (HHS) determined the nation was facing a public health emergency with the potential to seriously affect national security and/or health. Due to the public health emergency declared by HHS, the U.S. Food and Drug Administration (FDA), fast-tracked vaccine development to protect the nation's public health from the known threat of COVID-19. The FDA utilized Emergency Use Authorizations (EUAs), which allowed for multiple steps in the vaccine development process to occur at once, without skipping steps (FDA, 2021). Like all vaccine development in the United States, the COVID-19 vaccine went through three phases of clinical trials. To save time, some trials

overlapped, see Figure 1 for a detailed trial timeline comparing COVID-19 vaccine development and traditional vaccine development.

Figure 1

Accelerated COVID-19 Vaccine Development Timeline

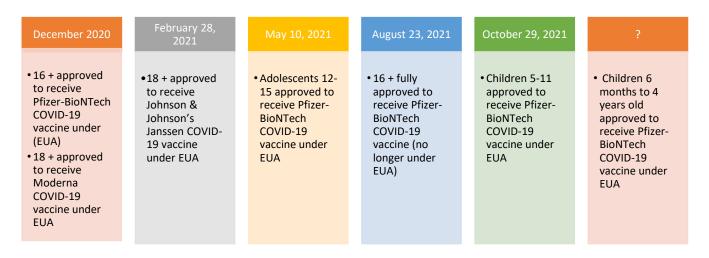


Note. Image from Kaiser Permanente, How We Know COVID-19 Vaccines are Safe and Effective (2021).

The findings from all three phases of clinical trials were reviewed by the FDA. Upon determining the vaccines met safety and effectiveness standards, the FDA approved the first COVID-19 vaccine, Pfizer-BioNTech, under EUAs for adults 16 and older on December 11, 2020 (AJMC, 2021). As time progressed, other COVID-19 vaccine types and age groups were approved. See Figure 2 for a timeline as of this report date.

Figure 2

U.S. COVID-19 Vaccine Type/Age Approvals



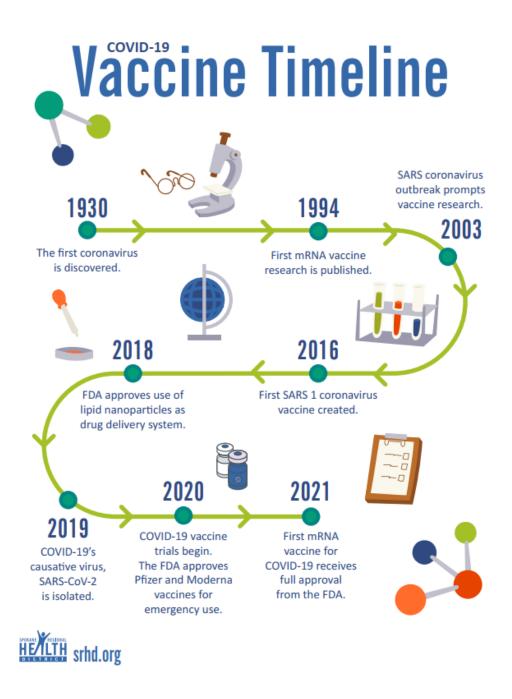
Note. From AJMC (2021a, 2021b).

# mRNA Technology

Both Pfizer and Moderna COVID-19 vaccines utilize mRNA technology. The mRNA vaccines teach cells to make a protein that triggers an immune response by teaching antibodies to help the body recognize COVID-19 disease if it enters the body in the future. Despite being newly available to the public, the technology for mRNA has been researched for decades. Due to the way they are made, the development time for mRNA vaccines is faster than methods for other vaccines, which contributed to the speed in which COVID-19 vaccines were available to the public (CDC, 2021e). For a timeline of mRNA technology and coronaviruses, see Figure 3 on the following page.

Figure 3

mRNA Technology & Coronavirus Timeline



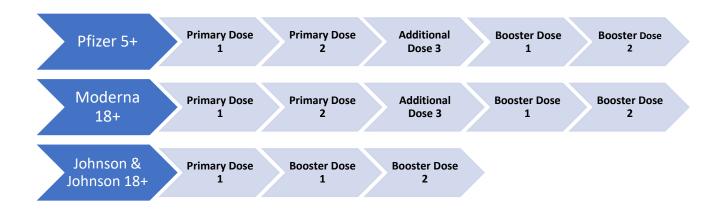
Note. From Spokane Regional Health District 2021

# **COVID-19 Vaccine Series**

As with many other vaccines, COVID-19 vaccination is a series of doses. The number of doses recommended for each person may be different based on the individual's personal health background and age. Recommendations will likely continue to change as the COVID-19 disease evolves. Figure 4 shows the series of doses according to vaccine type, at the time of this report.

Figure 4

COVID-19 Vaccine Series



*Note*. Recommended timing in-between doses not shown in graphic. Information is adapted from the Centers for Disease Control and Prevention (CDC, 2021b).

#### **COVID-19 Vaccination Progress**

Early in the vaccination role out, the Washington State Department of Health (WA DOH) set a statewide 70% vaccination goal for ages 16 and older to receive at least one dose of the COVID-19 vaccine. On July 14, 2021, Washington State met this goal (WA DOH, 2021a). However, almost a year later, Kittitas County has yet to achieve the 70% vaccination. As of May 30, 2022, in Kittitas County 64.5% of the population 16 and older had initiated vaccination, and

56.9% of the total population was fully vaccinated (WA DOH, 2022a). According to Kittitas County COVID-19 data reports, at the time the survey was opened to the public (September 10, 2021) 57.9% of the total population over the age of 16 had received at least one dose of the COVID-19 vaccine. This period included Washington State Proclamation 21-14.1: COVID-19 Vaccination Requirements, which required all state, higher education, childcare, K-12 education, and health and long-term care employees to be fully vaccinated for COVID-19 by October 18, 2021 (WA, n.d.). From September 11, 2021—October 19, 2021 (after the vaccination mandate went into effect) the vaccination rate in Kittitas County improved by a small, 2.6% margin.

#### **Project Purpose**

In response to the ongoing global COVID-19 pandemic, the Kittitas County Public

Health Department (KCPHD) was awarded funding through the Coronavirus Aid, Relief, and

Economic Security Act (CARES Act). The intent of this funding was to help build COVID-19

vaccine confidence and dispel vaccine misinformation through tools like communication

strategies and engagement with communities. To better serve the community, the 2021 Kittitas

County COVID-19 Vaccine Community Survey asked questions to understand the behaviours,

concerns, and beliefs surrounding COVID-19 vaccination. The target population for survey

respondents was vaccinated and unvaccinated adults, with an interest in parents and guardians of

children 17 years or younger, and the Latinx community. A better understanding of behaviors,

concerns and beliefs regarding COVID-19 vaccine can allow KCPHD to implement communityspecific strategies with a higher potential for impact than solely relying on state or nationwide

data.

#### **Objectives**

The 2021 Kittitas County COVID-19 Vaccine Community Survey had two main objectives:

- 1. Take a "snapshot" of adult and parent/guardian behavior, attitudes, beliefs, and barriers regarding the COVID-19 vaccine to identify key trends and commonalities.
- 2. Highlight potential gaps in knowledge, barriers, or misinformation that may be appropriate for specific public health education and intervention.

# **Design**

The 2021 Kittitas County COVID-19 Community Survey was in part designed based on the KCPHD 2018 Kittitas County Human papillomavirus (HPV) Parent Survey. The 2018 survey was based on a parent survey conducted by Public Health — Seattle King County, which was originally used to gather information about vaccine hesitancy in King County, WA. Public Health — Seattle King County conducted an extensive literature review to include validated questions in their original survey. Basing design on the work of Public Health — Seattle King County was recommended and facilitated initially by the America Cancer Society West Region's Health Systems staff. Additionally, VillageReach employees, Katie Reynolds and Emily Gibson, provided input on survey design. The Washington Department of Health contracted with VillageReach, a global non-profit, to provide COVID-19 outreach.

# Inspiration

Questions specific to COVID-19 were based on the Kaiser Family Foundation's (KFF) ongoing COVID-19 Vaccine Monitor research project. This is an extensive research project continually tracking attitudes and experiences towards COVID-19 vaccinations (Kaiser, 2021b). Another source for COVID-19 related questions was the COVID-19 Trends and Impact Survey by the Delphi group at Carnegie Mellon University. Survey questions are reviewed by the Carnegie Mellon University Institutional Review Board and many other universities assist in the survey development. Delphi was collecting ongoing research regarding COVID-19 and COVID-

19 vaccination, which started in April 2020. Approximately 50,000 people in the United States participate in the survey each day, which has helped researchers to better understand social, economic, and health effects related to the COVID-19 pandemic (Delphi, n.d.). KCPHD Assessment Coordinator Lianne Bradshaw reviewed and modified survey questions, created an assessment plan for survey administration, and provided results analysis support for this report.

#### **Methods**

The survey was available in both paper and electronic form, and in English and Spanish languages. Translation for the Spanish language version was completed by KCPHD Health Promotion Specialist II, Audelia Martinez. The electronic survey was administered through SurveyMonkey® online survey software. Including the optional demographic section, the survey contained 45 questions in total. Roughly 10 minutes was the average time needed to complete the survey. Depending on respondent's answers, SurveyMonkey® utilized skip logic to bypass questions that were irrelevant for that respondent, automatically redirecting them to the applicable questions based on previous responses. For example, an individual that disclosed they were not a parent or guardian would automatically skip the series of questions specifically for parents/guardians. Additionally, survey question types varied, some were multiple choice, and some utilized the Likert scale.

# **Question Topics**

Questions began with gathering optional demographic information. The following series of questions were related to adult healthcare (health insurance, adherence to regular flu vaccine, regular doctor visits, location of regular healthcare clinic). Next, respondents were asked if they had received a COVID-19 vaccine. Additional COVID-19 vaccine questions included the type of vaccine, reason for being or not being vaccinated, likelihood of getting vaccinated in the future,

and/or the information they needed to choose to get vaccinated—based on their response to being unvaccinated or vaccinated. For parents or guardians of children under age 18, the survey asked a similar set of questions as the adult section, for parents/guardians to answer about their child or children. Parental questions were divided into two age groups, 12-17 and 0-11. At the time of the survey, children 0-11 were not eligible for COVID-19 vaccination, so questions in that age group focused on intent to vaccinate. The final survey section asked general questions related to COVID-19 disease.

#### Distribution

The 2021 Kittitas County COVID-19 Vaccine Community Survey was open to the entire population of Kittitas County from September 10, 2021, through October 8, 2021. To have data with an adequate representation of Kittitas County, a total of 382 responses were needed. This is the number that would represent a valid and reliable representative sample.

#### Paper Survey Distribution

Per request, paper copies of the survey were accessible in both English and Spanish. See Appendix A for the full paper copy of the survey in English, and Appendix B for the full paper copy of the survey in Spanish. Local promotores de salud (community health workers), Teodora Moreno Guzmán and Fatima Andraca employed at the Kittitas County Health Network (KCHN), were provided Spanish paper copies of the survey. Their direct outreach had a significant impact on the number of responses from individuals identifying as Hispanic/Latinx and helped strengthen the validity of the survey. Paper survey results were manually entered into the SurveyMonkey® data collection tool by KCPHD staff.

# Electronic Survey Distribution

The SurveyMonkey® online assessment tool generated an electronic questionnaire link for participants, and the software filtered and collated all survey responses. The Spanish and English flyers promoted the electronic version of the survey through QR codes linked directly to the SurveyMonkey® assessment. At the time of flyer distribution, staff were informed paper copies were available upon request. To view a copy of the flyer, see Appendix C. For the list of locations flyers were distributed to, see Table 1.

**Table 1**Flyer Distribution Locations

Kittitas Valley Healthcare (KVH) Hospital	CompassDirect	<b>United Methodist Church</b>
KVH Pediatrics	Kittitas Valley Urgent Care	Model Coin-op Laundry Cleaners
KVH Women's Health	Parker Orthodontics	Ellensburg Community Clothing Center
KVH Family Medicine	Central Washington Pediatric Dentistry	Alente Spa & Salon
KVH Workplace Health	CWU Student Medical & Counseling Clinic	Central Washington Disability Resources
KVH Laboratory Services	Planned Parenthood	Ellensburg Public Library
KVH Ear, Nose, Throat & Allergy	Care Net	CWU Student Union & Recreation Center
KVH COVID Testing Clinic	KCPHD Never Share Syringe Exchange/Nexus	Kittitas County Courthouse
Community Health of Central Washington	Kittitas County Health Network	KCPHD

Note. Central Washington University (CWU)

The survey links in both English and Spanish were sent electronically to Kittitas County groups and individuals, selected based on their diversified reach and presence in Kittitas County. For a full list of organizations, see Table 2 and Table 3 below.

 Table 2

 Community Coalition and Organization List-Serv Distribution

Kittitas County Family of Resources	Kittitas County Health Network
(Kittfam)	
Community Recovery Coordination Group	Kittitas County Breastfeeding Coalition
Food Access Coalition of Kittitas County	Kittitas County Public Health Department

**Table 3** *Electronic Survey Promotion* 

KCPHD Facebook	KVH Lactation Consultant, Rozsika Steele
Kittitas County Chamber of Commerce	Apoyo
Central Washington Disability Resources	KCHN promotores de salud, Teodora Moreno
	Guzmán and Fatima Andraca
FISH Community Food Bank	Kittitas County Employee Coffee Break &
	Spotlight
Women, Infants, and Children Program	Sky Valley Midwifery
Auvil Fruit Company	Noon Rotary Club
CWU Student Health	Ellensburg Downtown Rotary Club
Developmental Disabilities Program	Rotary Morning Club
KVH Chief Public Relations Officer,	Centerfuse, Margaret Reich
Michelle Wurl	
Ellensburg School District	Kittitas County Republican Party
Cle Elum-Roslyn School District	CWU Diversity Advocate & Outreach
	Specialist, Verónica Gomez Vilchis
Kittitas School District	Kittitas County Board of Health Advisory
	Committee
Easton School District	KCPHD Press Releases
Thorp School District	St. Andrews Catholic Church Pastor, V.Rev.
	Jaime Chacón
KCPHD Website Home Page	

# Data Treatment and Statistics

Prior to the start of the survey, it was determined a minimum of 382 responses was needed to achieve a representative sample of Kittitas County households. At the close of the survey, a total of 1601 responses were collected and entered in SurveyMonkey®. Data cleaning was necessary to remove incomplete surveys, responses from people outside of Kittitas County,

and the removal of inauthentic responses (gibberish, profanity only responses, etc.), which all hinder the process of providing accurate results. After data cleaning, there were 1,493 complete responses available for analysis. Overall, the survey results had a confidence interval of  $\pm 3$  % at the 95% confidence interval. This means that statistics for this survey are within  $\pm 3$ % of the actual population value 95% of the time.

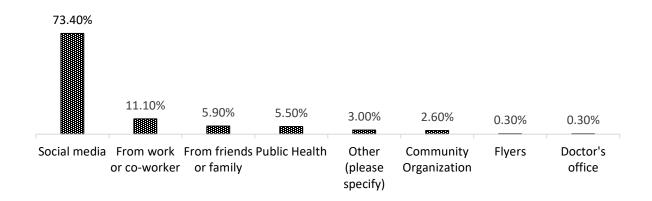
#### Survey Promotion Results

The primary response modality was through electronic form. In total, 62 paper copies (all in Spanish) were received. Of the survey respondents, .3% reported hearing about the survey through flyers, while 74.3% of respondents heard about the survey through social media.

Therefore, flyers were not a significant source for outreach. Figure 5 shows complete data regarding how respondents heard of the survey.

Figure 5

Question 1: How did you hear about the survey? (Response optional)



*Note.* 1,485(n)

As seen above, social media was the primary way respondents learned of the survey. The survey links in both English and Spanish were posted on the KCPHD Facebook page twice while the survey was open to the public. See Appendix E for copies of the images used in the Facebook

posts. The first Facebook post was on September 11, 2021. It had a total reach of 13,443 and 43 shares by other accounts. The second Facebook post on October 1, 2021, had a reach of 1,714 and one share. According to Facebook, reach is "a measure of how many people were exposed to your message" (2021). At the time of publication, the KCPHD Facebook page had over 4,400 people following.

# **Key Findings**

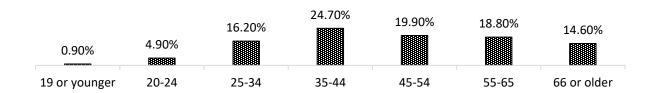
# **Demographics**

# Age

Roughly one quarter (24.7%) of respondents were between the ages of 35-54, meaning this is the most represented age group. According to the Washington State COVID-19 Data Dashboard (2021), as of May 30, 2022, the age group in Kittitas County with the second highest vaccination rate (75.7) is 35-49, a similar range to the most represented age group in the survey. This is important to note in relation to the number of vaccinated respondents. See Figure 6 for a complete breakdown by age.

Figure 6

Question 2: What is your current age? (Response optional)

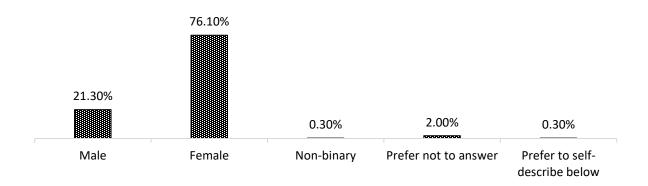


#### Gender

Over three quarters (76.1%) of the total survey respondents identified as female, meaning females were oversampled and males were under sampled. The proportion of males in Kittitas County is 50.5% compared to 49.5% female (ACS, 2019). The results demonstrate an oversampling of females based on the population of Kittitas County. However, it is known that women are more likely than men to participate in surveys (Andreeva et al., 2015; K. L. Cheung et al., 2017; Smith, 2008). For full gender demographic details, see Figure 7.

Figure 7

Question 3: Gender: How do you identify? (Response optional)



# Geographic Representation

The survey asked respondents to select their zip code. See Table 4 for a complete list of zip code options and the number of respondents for each city.

Table 4

Question 4: What is your zip code?

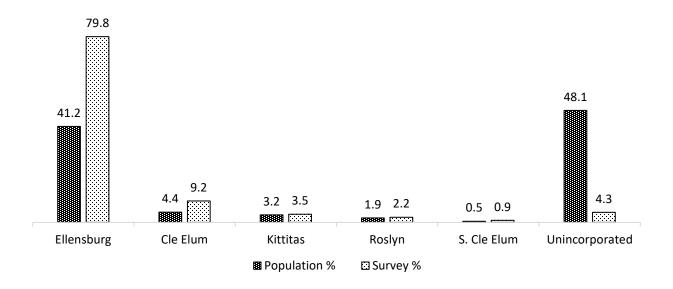
City	Zip Code	Number of Respondents	Percentage (%)
Ellensburg	98926	1,178	79.8
Cle Elum	98922	136	9.2
Kittitas	98934	51	3.5
Roslyn	98941	32	2.2

Ronald	98940	26	1.8
Thorp	98946	25	1.7
South Cle Elum	98943	13	0.9
Easton	98925	9	0.6
Snoqualmie Pass	98068	2	0.1
Vantage	98950	1	0.1
Other		3	0.2

*Note.* 1476 (n)

In this case, the "other" selection represents people who work in Kittitas County and live elsewhere. These respondents were still included in the survey data. Unlike respondents not living or working in Kittitas County, because of their close ties to the community. Most survey respondents (79.8%) reported living in Ellensburg. Based on the high percentage of Ellensburg respondents, it could be assumed Ellensburg was oversampled compared to other cities. Especially given that historically, smaller cities in Kittitas County tend to be underrepresented. However, when looking at geographic representation by city (Figure 8), it should be noted for this survey specifically that each incorporated city is overrepresented.

**Figure 8**Geographic Representation by City

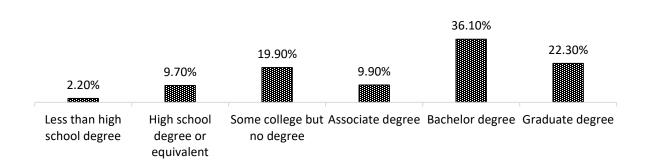


#### Education

Respondents were asked to share their highest level of school completed or the highest degree received. Typically, survey respondents have a higher level of education (Andreeva et al., 2015; K. L. Cheung et al., 2017). This can be seen in Figure 9, which shows that almost two-thirds (58.4%) of survey takers had received either a bachelor or graduate degree. In contrast, according to data from the US Census Bureau (2019), about one-third (32.3%) of Kittitas County residents have a bachelor's degree or higher.

Figure 9

Question 5: What is the highest level of school you have completed or the highest degree you have received? (Response optional)



#### Income

In question 6, participants were asked to share the income level closest to their household income from a range of \$0-\$100,000 or more, broken down in \$10,000 increments, with \$100,000 or more being the highest available selection. Most (38.2%) reported a household income of \$100,000 or more, and nearly 80% of respondents had a household income of \$50,000 or more. For reference, the median household income in Kittitas County is \$56,004 (ACS, 2019).

#### Race

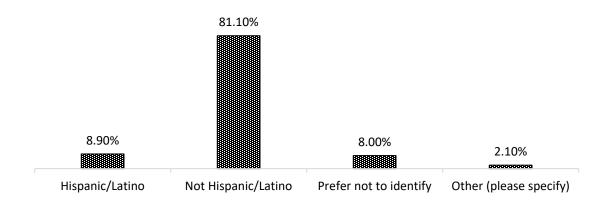
Respondents were next asked in question 7 to select the race or races they identified with. The selection list included: White or Caucasian, Black or African American, Asian or Asian American, American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, prefer not to identify, and other, with a request to please specify. Most respondents identified as White or Caucasian. For reference, 88.5% of Kittitas County identifies as white (ACS, 2019).

# **Ethnicity**

To accurately represent the population of Kittitas County, the 2019 American Community Survey (ACS) states 8.8% of survey responses needed to be from individuals identifying as Hispanic/Latinx (ACS, 2019). As seen in Figure 10, this survey adequately represented the Hispanic/Latinx population (8.9%) according to the 2019 ACS data.

Figure 10

Question 8: What is your ethnicity? (Response optional)



#### **Adult Healthcare**

#### Health Insurance

Participants were asked in question 9 to select the type of health insurance they had at the time of the survey. Most (66%) reported health insurance through their employer, though 4.1%

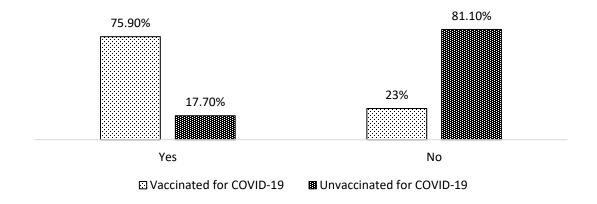
did not have health insurance of any kind. According to the Office of Financial Management (2021), 7.4% of Kittitas County was uninsured in 2019, this number increased from 5.7% in 2018 (p. 29).

#### Adult Flu Vaccination

According to responses to question 10, most adult survey participants (63%) get a flu shot in a typical year, while approximately one-third (36%) do not. An American Academy of Family Physicians (AAFP) Vaccine Science Fellows web-based survey conducted in March 2021, found that, "respondents who received a flu vaccine in the prior flu season were more likely to express intent to vaccinate against COVID-19." The survey through the AAFP found 77.2% of the respondents who received a flu vaccine in the prior season intended to get vaccinated against COVID-19. The group who had not received the flu vaccine in the prior season, showed only 33% intended to get vaccinated against COVID-19 (Schoof et al., 2021). Similarly, the 2021 Kittitas County COVID-19 Vaccine Community Survey, found 75.9% of vaccinated respondents get a flu shot in a typical year, while 81.1% of unvaccinated respondents do not get a flu shot in a typical year, as seen in Figure 11.

Figure 11

Question 10: In a typical year, do you get a flu shot?

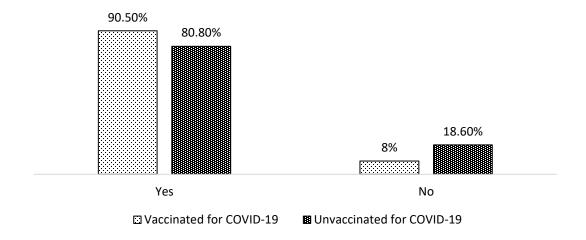


#### Adult Medical Care

In the 2021 Kittitas County COVID-19 Vaccine Community Survey, question 11 asked respondents if they had a nurse, doctor, or clinic they usually see if they need a check-up, want advice about a health problem, or get sick or hurt. Of the 60 respondents without health insurance, 35% of them said they do not have a regular provider or clinic. However, the majority (88.3%) of respondents have a regular source of medical care. Of the respondents without a regular source of medical care, 18.6% identified as Hispanic/Latino. According to the websurvey results from the AAFP Vaccine Science Fellows, having a usual source of medical care demonstrates a strong correlation with vaccine confidence and intent to vaccinate (Schoof et al., 2021). The correlation between vaccinated and unvaccinated respondents for COVID-19, and if they have a regular source of medical care, is shown in Figure 12.

Figure 12

Question 11: Do you have a nurse, doctor, or clinic you usually see if you need a check-up, want advice about a health problem, or get sick or hurt?



For respondents with a regular source of medical care, question 12 asked them to select which healthcare clinic they go to, from a list of clinics in Kittitas County. While most respondents

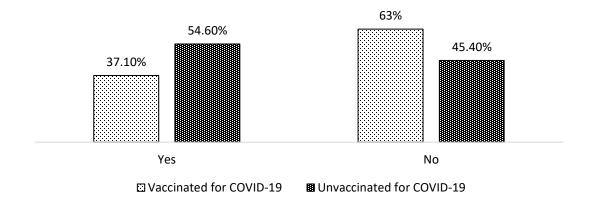
sought medical care in Kittitas County, 13.4% travel to another county for their healthcare. Of those 13.4%, a higher percentage (64.1%) of vaccinated respondents travelled to King County than unvaccinated (49.1%). A higher percentage of unvaccinated respondents travelled to a county in Eastern Washington.

#### **Child Healthcare**

One of the main objectives for the 2021 Kittitas County COVID-19 Vaccine Community Survey was to learn more about thoughts and behaviours of parents or guardians of children under the age of 18 years. In question 23, respondents were asked if they were a parent or guardian of a child under 18 years of age. While the majority were not, 41.1% answered yes. See Below, Figure 12 has a breakdown of parents/guardians of a child under 18 years of age by COVID-19 vaccination status.

Figure 13

Question 23: Are you a parent or guardian of a child under 18 years of age?

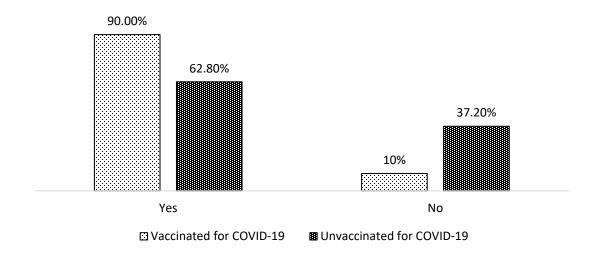


#### Annual Vaccination Schedule

All parent respondents of a child or children 0-17 years old were asked in question 24 if they follow the recommended annual vaccination schedule for their child or children. The majority (81.7%) of respondents follow the recommended schedule.

Figure 14

Question 24: In a typical year, do you follow the recommended annual vaccination schedule for your child or children?

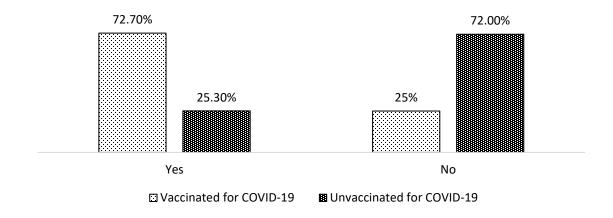


# Child Flu Vaccination

In the survey, parents were asked if their child or children gets a flu shot in a typical year. A slight majority (58.2%) responded yes, their child or children normally gets a flu shot. However, in November 2021, flu vaccinations in Washington State were down about 25%, compared to the rates during the same time frame in 2020. The decline in childhood flu vaccination rates was characterized by WA DOH as concerning (WA DOH, 2021b). Below, Figure 14 shows the difference between COVID-19 vaccination status and correspondence with flu shots for children of survey respondents.

Figure 15

Question 25: In a typical year, does your child/children get a flu shot?



#### Child Medical Care

Survey question 26 asked parents/guardians, if their child had a nurse, doctor, or clinic they usually see if they need a check-up, want advice about a health problem, or get sick or hurt. As with adults, the majority (97.7%) of respondents' child or children had a location for regular medical care. Of those that did not, 33.3% identified as Hispanic/Latino, and 27.3% regularly get a flu shot. Based on answers from question 27 of the survey, most children attend either Kittitas Valley Healthcare (KVH) Family Medicine or KVH Pediatric for their healthcare clinic. See Appendix A for a full list of clinic locations. If respondent's child or children went out of county for their healthcare, question 28 asked which county their nurse, doctor, or healthcare clinic was located in. Of the 61 individuals that answered this question, 50.8% travelled to King County for their child's care.

#### **Adult COVID-19 Vaccination**

In the 2021 Kittitas County COVID-19 Vaccine Community Survey, question 14 asked respondents if they had received a COVID-19 vaccine. The majority, (77.2%), of respondents

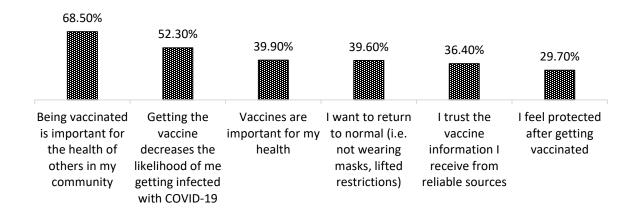
received a COVID-19 vaccine, while 22.8% were not vaccinated. Proportionally, the number of vaccinated respondents was higher than the percentage of vaccinated individuals in Kittitas County. At the time the survey was opened, 57.9% of the population 16 and older had received at least one dose of the COVID-19 vaccine. Having responses from a largely vaccinated population set, may have contributed to the oversampling of vaccinated individuals (Read & Bradshaw, 2021). The types of individuals more likely to participate in surveys are also more likely to be vaccinated for COVID-19. For example, nearly 70% of survey respondents had a college degree. As previously discussed, survey respondents usually have a higher level of education compared to the general population (Andreeva et al., 2015; K. L. Cheung et al., 2017). According to polling through Kaiser Family Foundation (KFF), "vaccinated Americans are twice as likely as unvaccinated to have a college degree or higher". The KFF polling found that 46% of unvaccinated adults do not have a college degree (Kaiser, 2021a). Similarly, results from the 2021 Kittitas County COVID-19 Vaccine Community Survey showed nearly half of unvaccinated respondents did not have a college degree, and nearly three quarters of vaccinated respondents had a college degree.

# Vaccinated for COVID-19

Through the "skip logic" function of the survey, vaccinated and unvaccinated survey respondents were next directed to a different series of questions to gain more insight regarding their individual choices. In question 19, vaccinated respondents selected being vaccinated is important for the health of others in my community and getting the vaccine decreases the likelihood of my getting infected with COVID-19 as the main reasons for choosing to be vaccinated. See Figure 15 for related data.

Figure 16

Question 19: Please select the top three reasons you chose to get the COVID-19 vaccine



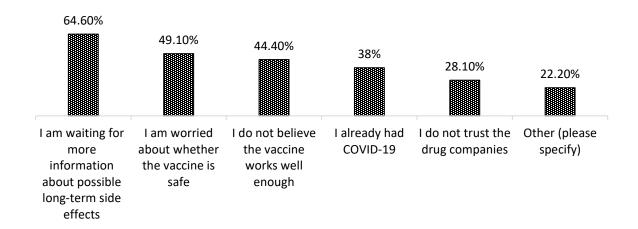
As asked in question 20, the majority 56.2% of vaccinated respondents had received the Pfizer vaccine, 38.8% received Moderna, and 4.6% received Johnson & Johnson. Where applicable (in the case of Pfizer and Moderna) survey results showed 96.9% had received their second dose. From data gathered in question 22, the main reason respondents had not received the second dose was due to the interval period of either 21-days (Pfizer) or 28-days (Moderna).

# **Unvaccinated for COVID-19**

In Question 15, unvaccinated respondents were asked how likely they were to get vaccinated in the future. An overwhelming majority (83.5%) were either unlikely or very unlikely to get vaccinated in the future, while only 2.1%, or 7 respondents, were very likely to get vaccinated in the future. Waiting for more information about possible long-term side effects and concern about whether the vaccine is safe were the top reasons respondents had not yet been vaccinated. Figure 16 details the data on reasons for choosing not to get vaccinated.

Figure 17

Question 16: Please select the top three reasons that you have not been vaccinated



An important aspect of this survey was to gain insight into what information might help unvaccinated Kittitas County residents choose to get vaccinated for COVID-19. The majority of responses demonstrated many unvaccinated individuals were not interested in information addressing their concerns regarding topics like, COVID-19 vaccine safety and/or efficacy. This assertion is not unique to Kittitas County. National polling through KFF has found, "few in the 'definitely not' group show any indication of changing their minds as their views towards the COVID-19 vaccine are consistent with past vaccine behaviours as well as overall views of the threat of COVID-19." (Kaiser, 2021a). When replying to the short answer question in the survey, the word cloud in Figure 17 shows the most used words from respondents. A key takeaway being that "nothing" will make them more likely to get the COVID-19 vaccine.

Figure 18

Question 17: What would make you more likely to get the COVID-19 vaccine?

choose want see evidence suspicious others available keep especially facts one virus actual now happens many believe want efficacy long term effects shows consider say need anyone don t stop trying force See Literally nothing body likely Knowing Stop studies s side effects help term side effects longer choice way mandates effects government years research time decide covid trust vaccine Also Nothing less

people natural immunity make side affects forced feel will use years think long term experimental testing instead long term side point health waiting going studies long term years testing actually Absolutely nothing right shot becoming Better experiment long term studies t data technology vaccinated safe still proven even might new change Nothing will hear take Several years research choice government information

Due to access barriers, there was concern individuals may have been unaware *how* to access COVID-19 vaccines. So, question 18 asked, "If you decided to get vaccinated, do you believe you have enough information to schedule a vaccine appointment?". Unfortunately, the meaning of the question was not clarified well enough for respondents, and, as a result, the data was not reliable. For example, those that responded no, specified long-term side effects and vaccine safety as reasons to not have enough information to schedule a vaccine appointment. Rather than issues like not knowing *where* to access COVID-19 vaccines in Kittitas County.

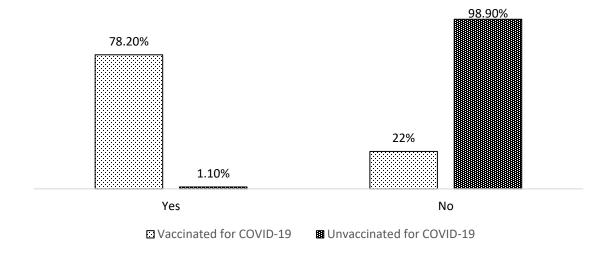
# Child 12-17 COVID-19 Vaccination

Due to the COVID-19 vaccination rollout at the time of the survey, the only minors eligible to receive a COVID-19 vaccine were ages 12-17 years old. Therefore, question 29 asked respondents to select if they had a child or children between the ages of 12-17. The results were

almost evenly split, 50.4% had a child or children 12-17 years of age, and 49.6% did not. In question 30, respondents with a child or children between the ages of 12-17 were asked if the child had received the COVID-19 vaccine. A slight majority (55%) had a child or children vaccinated from COVID-19. For the most part, the data demonstrated unvaccinated parents are highly unlikely to get their children vaccinated for COVID-19. One survey respondent who was unvaccinated had a vaccinated child, with the main reason being because the child asked to get vaccinated. Figure 8 details the correlation between COVID-19 vaccinated status in relation to a respondent's child or children being vaccinated.

Figure 19

Question 30: Has your child or children who are 12-17 years old received the COVID-19 vaccine?



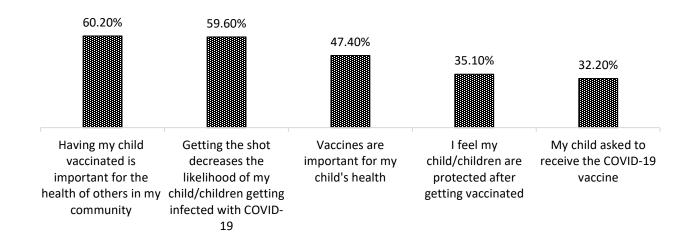
# Vaccinated for COVID-19 (12-17)

Similar to the vaccinated adult data, the main reasons parents decided to get their child or children vaccinated was for the overall health of others in the community and because getting the vaccine decreases the likelihood of their child/children getting infected with COVID-19. As with adults, most children had already received their second vaccine dose (question 32), with the main

reason for not receiving it yet being it is not time for the second scheduled dose (question 33). Figure 19 details additional responses and percentage points for reasons parents chose to get the COVID-19 vaccination for their child or children.

Figure 20

Question 31: Please select the top three reasons you chose to get the COVID-19 vaccination for your child or children ages 12-17 years old

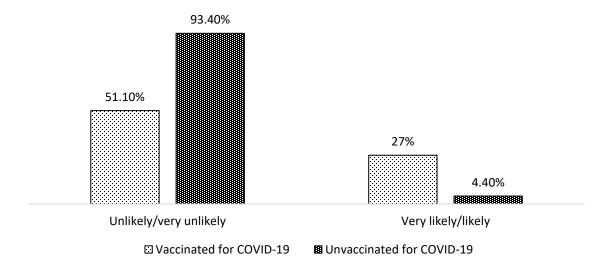


# Unvaccinated for COVID-19 (12-17)

As previously mentioned, 45% of parent respondents had a child or children not vaccinated for COVID-19. Like with adults, there was an interest in understanding the likelihood of a respondent's child or children getting vaccinated in the future. As shown in Figure 20, the data from the 2021 Kittitas County COVID-19 Vaccine Community Survey in demonstrated both vaccinated and unvaccinated respondents were hesitant to vaccinate their child/children for COVID-19 in the future. However, unvaccinated parents were almost seven times as likely to not get their child or children vaccinated when compared to vaccinated parents.

Figure 21

Question 34: How likely are you to get your child or children vaccinated in the future?



Hesitancy to vaccinate children for COVID-19 is not unique to Kittitas County. A COVID-19 State of Vaccine Confidence Insights Report studying December 21, 2021 – January 10, 2022, found a continuing theme for consumers is, "questions about the effectiveness and safety of COVID-19 vaccines for children" (CDC, 2022a). Similarly, in the 2021 Kittitas County COVID-19 Vaccine Community Survey, parents reported the top two questions they needed answered were vaccine safety and side effects. The survey also found the top two reasons for parents choosing not to vaccinate their child or children were due to waiting for more information about possible long-term side effects and concerns about whether the vaccine is safe. For more reasons respondents chose not to vaccinate their child or children, see Figure 21 and Figure 22 below.

Figure 22

Question 35: Please select the top three reasons that your child or children who are 12-17 years old have not been vaccinated

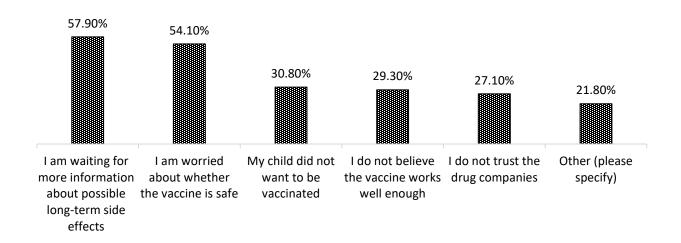
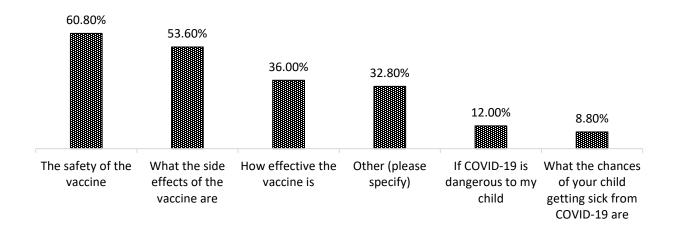


Figure 23

Question 36: Please select the top three things you would need to know before deciding about vaccinating your child or children ages 12-17 for COVID-19

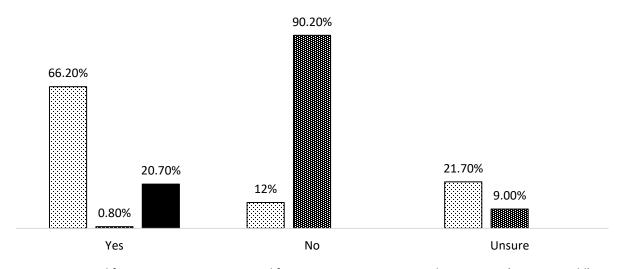


#### Children 0-11 COVID-19 Vaccination Intent

At the time of the survey children 0 months to 11 years had not yet been approved to receive the COVID-19 vaccine. So, question 37 asked parent's if they had a child or children ages 0 months to 11 years old. A higher percentage (69.8%) of respondents were parents of children in this age group, compared to children 12-17 years old. Figure 23 details the percentage of respondents, based on their own vaccination status, planning to vaccinate their 0 month – 11-year-old for COVID-19, while the orange bar details the actual percentage of children 5-11 vaccinated for COVID-19 at the time of this report.

Figure 24

Question 38: Do you plan on vaccinating your child or children ages 0 months – 11 years old once they are able/eligible to receive the vaccine?



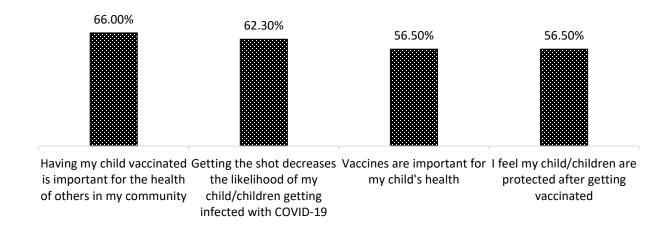
☑ Vaccinated for COVID-19 🗷 Unvaccinated for COVID-19 🖿 Have initiated vaccination (5-11 years old)

*Note*. According to the WA DOH Dashboard (2022), number of 5 – 11-year-olds initiating vaccination in Kittitas County as of May 30, 2022. At the time of the report, 6 months – 4 years old were not eligible.

When looking at younger age groups in relation to COVID-19 vaccination, both vaccinated and unvaccinated parents are less likely to intend/choose to vaccinate their younger child. For example, when looking at survey data from vaccinated parents, 78.2% of their 12-15 child or children are vaccinated for COVID-19, yet only 20.7% 5–11-year-olds have initiated vaccination. Parents intending to vaccinate their child 0 months – 11 years old, were asked to select the main reasons for intending to do so. The results, shown in Figure 24, were very similar to the results from other age groups (adult and 12-17).

Figure 25

Question 39: Please select the top three reasons why you plan to get the COVID-19 vaccination for your child or children ages 0 months – 11 years old



When looking at the data for parents not planning to vaccinate their child or children for COVID-19, there are again recurring themes. National polling through KFF echoes the themes seen in Kittitas County. For example, in the KFF survey, parents were concerned, "there is not enough information about the vaccine for children or that more research needs to be done. Many parents also cite concerns about side effects or say they don't believe the vaccine is necessary for

children" (KFF, 2021). Figure 25 details the main questions parents needed addressed prior to choosing to vaccinate children in this age group.

Figure 26

Question 40: Please select the top three reasons why you plan not to vaccinate your child or children 0 months – 11 years old against COVID-19

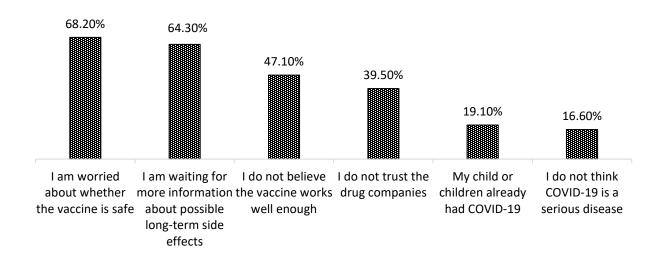
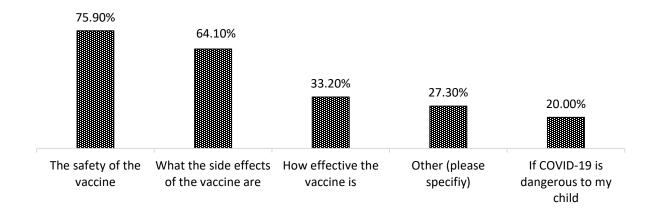


Figure 27

Question 41: Please select the top three things you would need to know before deciding about vaccinating your child or children ages 0 months – 11 years old for COVID-19

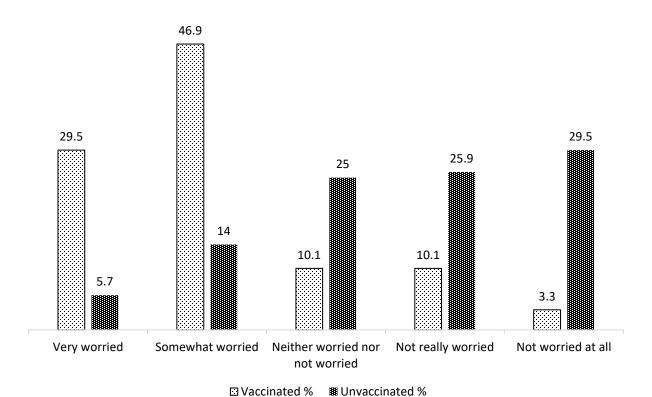


#### **COVID-19 Disease**

The COVID-19 disease section of the survey included all respondents and focused on disease and information related questions. Polling through KFF has found most unvaccinated individuals in the "definitely not" getting vaccinated group are not worried about getting sick from COVID-19 (KFF, 2021a). Data in the KCPHD survey, showed 80.4% of unvaccinated respondents were neither worried nor not worried, not really worried, or not worried at all about an immediate family member becoming ill with COVID-19. As seen in Figure 27 below, vaccinated individuals were more likely to be very worried about someone in their immediate family might become seriously ill.

Figure 28

Question 42: How worried do you feel that you or someone in your immediate family might become seriously ill from COVID-19?



When thinking about COVID-19 vaccination as a social norm, it is important to consider the role close friends and family play in influencing individuals to get vaccinated or not.

According to Doug McKenzie-Mohr (2020), "both the mundane and important decisions of our lives are strongly affected by...social diffusion...conversations that we have with others, and particularly with those whom we trust and perceive as similar to ourselves, have an inordinate influence" (p.73). A KFF report found people initially vaccine hesitant, attested to changing their mind because of family, friends, and personal doctors (KFF, 2021d). Figure 28 shows the survey results correlation between vaccinated status and the number of close friends/family that have been vaccinated for COVID-19.

Figure 29

Question 43: Thinking about your close friends/family, how many of them have been vaccinated for COVID-19?

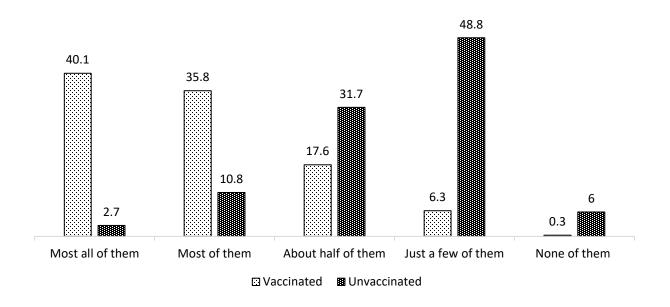
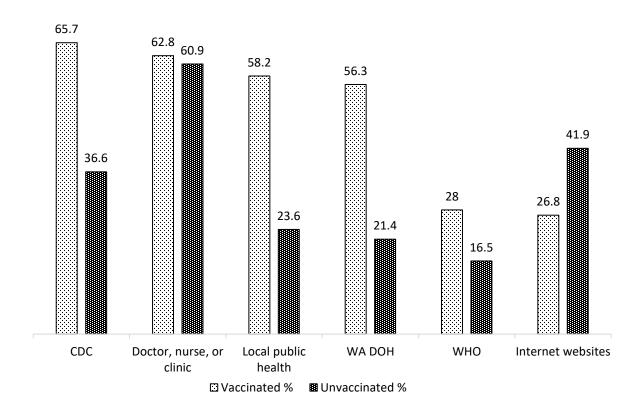


Figure 30

Question 44: What are the top ways you get information about vaccines for yourself and/or your family? Select all that apply:



#### **Closing Question**

To further expand knowledge regarding the data from the 2021 Kittitas County COVID-19 Vaccine Community Survey, a graduate student from Central Washington University (CWU) partnered with KCPHD. The CWU graduate student had a data sharing agreement with KCPHD to use the data from the survey in a thesis project. In collecting participants for one-on-one interviews, question 45 of the survey asked respondents if they were interested in participating in these interviews. At the time of the survey, the focus of the interviews had not been established and this information was shared with respondents. While many survey participants did not want

to be interviewed on a one-on-one basis, 20.7% showed interest, with 5% of the interested respondents being unvaccinated individuals with a child or children.

#### Discussion

The 2021 Kittitas County COVID-19 Vaccine Community Survey was an open survey to the entire Kittitas County population. Random people were not selected to complete the survey, nor was quota sampling utilized. The survey was a basic way to gauge thoughts and behaviours to potentially help improve COVID-19 vaccination rates based on information randomly gathered from Kittitas County community members. Had this been a scientific study, methods and approach would have been different. If a more rigorous approach had been taken with this survey, there may have been:

- 1. Better representation with limited bias
- 2. More quantitative data to run analysis
- 3. Better correlations

However, this was not the point or the goal of this survey; it was not an actual statistical study.

The main objective was to better understand the thoughts and behaviours around COVID-19 vaccine and develop health communication and promotion strategies based on those thoughts and beliefs.

#### Healthcare

The number of uninsured individuals is especially concerning given the additional potential health implications from the COVID-19 global pandemic. Individuals identifying as Hispanic/Latino are overrepresented both when it comes to being uninsured and not having a nurse, doctor, or clinic for regular medical care. A national report from KFF in 2019, "found that people without health insurance were disproportionately likely to put off or skip medical care..."

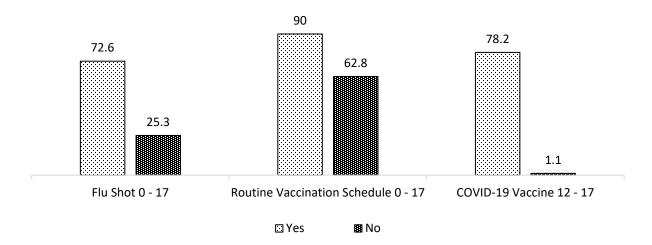
and that Hispanic adults are more likely to report difficulty affording medical costs (KFF, 2021f). While COVID-19 vaccines are offered free of charge, access to medical care and trusted providers is a barrier to vaccination.

#### Trust in Providers

As in the 2018 Kittitas County HPV Vaccine Survey, respondents reported trusting healthcare providers for both themselves and their children. Furthermore, polling with KFF demonstrates pediatricians remain parents' most trusted source of information regarding the COVID-19 vaccine for children (KFF, 2021d). Based on the 2021 Kittitas County COVID-19 Vaccine Community Survey findings, healthcare providers can have significant influence when it comes to vaccination. While the main sources for vaccine information differ amongst vaccinated and unvaccinated individuals, both vaccinated and unvaccinated trust information from healthcare providers—nearly at an equal level. This is significant, as unvaccinated trust in sources like the CDC, WA DOH, and local public health are all about half the level of trust for vaccinated individuals. These findings are consistent with similar surveys and polling for the COVID-19 vaccine, as well as other vaccinations, particularly in rural communities. For example, polling with KFF has found a higher proportion of rural residents are unvaccinated when compared to suburban or city settings (KFF, 2021a). In Washington State, this is evident when comparing larger city vaccination rates to Kittitas County.

Figure 31

Immunization Comparison - Children



Concern over vaccine safety could be related to a high percentage (67.7%) of unvaccinated respondents who report using internet resources to learn about vaccines, including social media sites. The COVID-19 pandemic has highlighted that Internet-based anti-vaccine misinformation is a principal issue for addressing vaccine hesitancy. Additionally, about half of unvaccinated respondents rely on receiving vaccine information from family and friends. Family, friends, and conversations with doctors were key in peoples' decisions about getting vaccinated (both for and against).

#### **COVID-19 Vaccination**

A common theme from the survey findings is the need for more information about long-term side effects and concern, or mistrust, over vaccine safety. When respondents specify needing more information about long-term side effects, the emphasis is on multiple years or decades of study. An overwhelming theme from the survey, is *nothing* will make unvaccinated respondents more likely to choose to get vaccinated. Similarly, national polling through KFF found about half (48%) of unvaccinated respondents reported that nothing could convince them to get vaccinated (KFF, 2021e). As previously mentioned, even with the Washington State

vaccination mandate, vaccination rates in Kittitas County only marginally increased during the implementation period in the fall of 2021. See Table 5 below for a comparison of reasons not to get vaccinated across age groups from the survey.

**Table 5**Top Two Reasons Not to Get Vaccinated

	Adult	12-17	0-11
1.	I am waiting for more	I am waiting for more	I am waiting for <b>more</b>
	<b>information</b> about possible	<b>information</b> about possible	<b>information</b> about possible
	long-term side effects	long-term side effects	long-term side effects
2.	I am worried about	I am worried about	I am worried about whether
	whether the vaccine is safe	whether the vaccine is safe	the vaccine is safe

The findings in the survey demonstrated common themes amongst those respondents vaccinated for COVID-19. The top two reasons for choosing vaccination were the same across age groups, because it is important for the health of the community, and it decreases the likelihood of getting sick from COVID-19 disease. Respondents more likely to be vaccinated for COVID-19, and have their child or children vaccinated, are more likely to regularly get a flu shot and follow the recommended vaccination schedule for their child or children. These findings are consistent with data from other national findings, as seen in the AAFP Vaccine Science Fellows web-based survey. See Table 6 below for a comparison of reasons to get vaccinated across age groups from the survey.

**Table 6**Top Two Reasons for Vaccination

	Adult	12-17	0-11
1.	Being vaccinated is	Having my child vaccinated	Having my child vaccinated
	important for the health of	is important for the <b>health</b>	is important for the <b>health of</b>
	others in my community	of others in my	others in my community
		community	
2.	Getting the vaccine	Getting the shot <b>decreases</b>	Getting the shot <b>decreases</b>
	decreases the likelihood of	the likelihood of my	the likelihood of my
	me getting infected with	child/children <b>getting</b>	child/children <b>getting</b>
	COVID-19	infected with COVID-19	infected with COVID-19

#### **Implications for Outreach and Education**

From the findings in the 2021 Kittitas County COVID-19 Vaccine Community Survey, KCPHD will adopt evidence-based practices utilizing information from the thoughts, feelings, and behaviours expressed by respondents. A lack of trust in COVID-19 vaccines is not unique to Kittitas County. As the survey results found, sentiments amongst individuals in the county echo those seen nationwide. Therefore, it is appropriate to consider the use of national intervention strategies and existing resources, while keeping in mind the specific target audience, Kittitas County. According to the CDC, the main strategies for reinforcing vaccine confidence (addressing vaccine hesitancy) are to:

#### 1. Build trust

- Communicate transparently
- o Provide regular updates
- Proactively address misinformation

#### 2. Empower healthcare personnel

o Ensure medical personnel are equipped to create a culture that builds confidence

- Strengthen capacity for empathetic vaccine conversations with patients
- 3. Engage communities and individuals
  - o Empower vaccinated individuals to share their stories
  - o Engage communities around vaccine confidence
  - o Collaborate with trusted messengers (2021)

At the Kittitas County level, this outreach may include strategies laid out in the 2018 Kittitas County HPV Vaccine Survey:

- 1. For reaching parents and community members:
  - Social marketing campaigns, including brochures, posters, mass media and social media content targeting parents
  - Planning interventions to coincide with late summer "back to school" reminders for doctor's visits, sports physicals, and other adolescent vaccinations
  - Partnering with leaders in faith communities to address vaccination misconceptions
     and distrust
- 2. For reaching healthcare providers:
  - Provider education opportunities with CME credits
  - o Implementation of electronic health records prompts within clinics
  - Implementation of patient reminder/recall systems using one or a combination of methods including mailed letters, phone calls, text messages, and/or social media messages

Additionally, the ongoing COVID-19 State of Vaccine Confidence Insights Reports from the CDC includes action insights according to the latest major themes addressed in the report.

Sources for these reports include social media listening and monitoring, direct reports, research

(including from KFF), and other third-party reports. Referencing this tool in outreach and education strategies will be important in addressing new and continuing national trends.

Both at the Kittitas County and national level, friends and family and the overall social norms of a community play a role in influencing individuals to get vaccinated or not. According to Doug McKenzie-Mohr (2020), "normative strategies are likely to be particularly effective when people are being asked to change their behaviour or adopt a different lifestyle" (p. 69). While vaccination can be thought of as a one-time behaviour, the 2021 Kittitas County COVID-19 Vaccine Community Survey and other national polls have demonstrated behaviour and lifestyle themes predisposing an individual's thoughts and feelings surrounding COVID-19 vaccination. Here are the social normative strategies to follow according to Doug McKenzie-Mohr (2020):

- Norm should be noticeable
- Norm should be presented at the time the targeted behaviour is to occur
- Encourage engagement in positive behaviour
- Be cautious calling attention to the undesirable behaviour
- Combine descriptive information with praise

Utilizing social norms can assist in building community support around a particular behaviour, and lead to social diffusion—the adoption of new behaviours. When it comes to public health promotion strategies, social diffusion has been studied and applied extensively (p. 70).

The above strategies for outreach and education may not be all inclusive, or all utilized. Implications from COVID-19 disease and the pandemic continue to change, and effective interventions and strategies may need to adapt. In the future, additional assessment and evaluation efforts may be needed.

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#### Appendix A

English Paper Copy of the Kittitas County COVID-19 Vaccine Community Survey

## KITTITAS COUNTY COVID-19 VACCINE COMMUNITY SURVEY



Page 1

This survey was created to help KCPh D better serve the residents of Kittitas County. The Kittitas County COVID-19 Vaccine Community Survey asks questions to help us understand the behaviors, concerns, and beliefs surrounding COVID-19 vaccination. Responses are anonymous. We understand that this is a stressful time for everyone and appreciate your time in taking this survey.

#### START HERE

The following questions are collected to help determine the sources of health insurance, certain health behaviors, and use of Kittitas County healthcare clinics and services.	The following questions are collected to help determine the sources of health insurance, certain health behaviors, and use of Kittitas County healthcare clinics and services.	
1. What type of health insurance do you currently have?  Washington Apple Health (Medicaid)  Employer Plan  Qualified health plan through Washington Health Plan Finder  TRICARE  I do not have health insurance  Other (please specify)	6. Have you received a COVID-19 vaccine?  ☐ Yes → skip to Questions 11, page 2 ☐ No→ skip to Questions 7 7. How likely are you to get vaccinated in the future? ☐ Very Likely ☐ Unlikely ☐ Likely ☐ Very Unlikely ☐ Neither likely nor unlikely 8. Please select the top three reasons that you have not been	
2. In a typical year, do you get a flu shot?  Yes  No  Unsure	vaccinated.  ☐ I do not believe the vaccine works well enough ☐ Getting the vaccine is against my religious beliefs ☐ I am worried about whether the vaccine is safe	
3. Do you have a nurse, doctor, or clinic you usually see if you need a check-up, want advice about a health problem, or get sick or hurt?  ☐ Yes ☐ No → skip to: Question 6	☐ I do not think COVID-19 is a serious disease ☐ I already had COVID-19 ☐ I do not trust the drug companies ☐ I am waiting for the U.S. Food & Drug Administration (FDA) to fully approve vaccines ☐ I am waiting for more information about possible long-term	
<ul> <li>Unsure → skip to: Question 6</li> <li>What is the healthcare clinic you go to?</li> <li>KVH Family Medicine (Ellensburg) → skip to Question 6</li> <li>KVH Family Medicine (Cle Elum) → skip to Question 6</li> <li>KVH Women's Health→ skip to Question 6</li> </ul>	side effects  I do not have a doctor, nurse, or clinic  My doctor or nurse discouraged me from getting vaccinated  My doctor or nurse did not bring up vaccination during my visit	
□ CompassDirect Healthcare → skip to Question 6     □ Community Health of Central Washington (Ellensburg) → skip to Question 6     □ Awake Health → skip to Question 6     □ Swiftwater Naturopathic → skip to Question 6	☐ It is too difficult to get to the clinic or pharmacy (transportation, time, schedule) ☐ I am unable to take time off work during normal clinic hours ☐ I am worried about the vaccine being painful ☐ I am worried about the temporary side effects	
□ I go out of county for my healthcare → continue to Question 5 □ Other (please specify) → skip to Question 6	☐ I am allergic to a vaccine ingredient ☐ I have had a significant adverse effect with other vaccinations ☐ I am concerned about fees/costs ☐ Other {please specify}	
5. Which county is your nurse, doctor, or healthcare clinic located in?    King County   Yakima County   Grant County   Chelan County	9. What would make you more likely to get the COVID-19 vaccine?	
Other (please specify)		

CONTINUE HERE	17. In a typical year, does your child/children get a
10. If you decided to get vaccinated, do you believe you have enough	flu shot?
information to schedule a vaccine appointment?	□ Yes
☐ Yes→ skip to Question 15	□ No → skip to Question 21
□ No (please specify additional information you need) → skip to Question 15	□ Unsure→ skip to Question 21
	<ol><li>Does your child or children have a nurse, doctor, or</li></ol>
11. Please select the top three reasons you chose to get the COVID-19	clinic they usually see if they need a check-up, want advice
vaccine	about a health problem, or get sick or hurt?
☐ Vaccines are important for my health	□ Yes
☐ Being vaccinated is important for the health of others in my community	□ No
☐ I feel protected after getting vaccinated	□ Unsure
☐ It is required for entry into school	19. What is the healthcare clinic your child or children go
☐ It is required for entry into work	to?
☐ I trust the vaccine information I receive from reliable sources (local health	□ KVH Family Medicine (Ellensburg) → skip to Question 21
department, local hospital, CDC, etc.)	□ KVH Family Medicine (Cle Elum) → skip to Question 21
☐ My healthcare provider recommended I get the vaccine	□ KVH Pediatrics → skip to Question 21
☐ Getting the vaccine decreases the likelihood of me getting infected with	□ CompassDirect Healthcare → skip to Question 21
COVID-19	☐ Community Health of Central Washington (Ellensburg)
☐ I want the incentives associated with vaccination (WA State Lottery, gift	→ skip to Question 21
cards, etc.)	□ Awake Health → skip to Question 21
☐ I want to return to normal (i.e., not wearing masks, lifted restrictions)	□ Swiftwater Naturopathic→ skip to Question 21
Other (please specify)	☐ My child goes out of county for child's healthcare →
	continue to Question 20
12. Which COVID-19 vaccine did you receive?	□ Other (please specify)
☐ Pfizer (Pfizer-BioNTech)	
□ Moderna	20. Which county is your child or children's nurse, doctor, or
□ Johnson & Johnson (J&J, Janssen) → skip to Question 15, page 2	healthcare clinic located in?
□ Not sure	☐ King County
☐ Other (please specify – if you were vaccinated out of the country)	☐ Yakima County
	☐ Grant County
13. Have you received your second dose?	☐ Chelan County
☐ Yes→ skip to Question 15	☐ Other (please <u>specify)</u>
□ No → Continue to Question 14	21. Do you have a child or children who are 12-17 years of
14. What is the main reason you have not received your second dose?	age?
☐ It is not time for me to receive the 2 <sup>nd</sup> scheduled dose yet	☐ Yes→ continue to Question 22
☐ I do not have transportation to a clinic or pharmacy	□ No→ skip to Question 29, page 3
☐ It is too difficult to fit into my schedule	22. Has your child or children who are 12-17 years old
☐ I am unable to take time off work during normal clinic hours	received the COVID-19 vaccine?
☐ I am worried about the vaccine being painful	☐ Yes→ continue to Question 23
☐ I am worried about temporary side effects	□ No→ skip to Question 26 page 3
□ I had a significant adverse reaction to my first shot	23. Please select the top three reasons you chose to get
☐ I have concerns about vaccine safety	the COVID-19 vaccine for your child or children ages 12-17
□ Don't know	years.
Other (please specify)	☐ Vaccines are important for my child's health
	☐ My child asked to receive the COVID-19 vaccine
COVID-19 VACCINE QUESTIONS PARENT/GUARDIAN	☐ Having my child vaccinated is important for the health
The following questions are about COVID-19 vaccinations in children	of others in my community
under the age of 18. These questions will help us understand the	☐ I feel my child/children are protected after getting
behaviors and reasons surrounding vaccinating or not vaccinating your	vaccinated
child/children. The same healthcare questions that were previously	☐ It is required for entry into daycare/school/other facility
asked are also asked about health care coverage and healthcare clinic	☐ I trust the vaccine information I receive from reliable
use for your child/children.	sources (local health department, local hospital, CDC, etc.)
	☐ My child/children's healthcare provider recommended
15. Are you a parent or guardian of a child under 18 years of age?	they get the vaccine
□ Yes	☐ Getting the vaccine decreases the likelihood of my
□ No→ skip to Question 34, page 4	child/children getting infected with COVID-19
16. In a typical year, do you follow the recommended annual vaccination	☐ I want the incentives associated with vaccination (WA
schedule for your child or children?	State Lottery, gift cards, etc.)
□ Yes	☐ I want to return to normal (i.e., not wearing masks,
□ No	lifted restrictions)
□ Partially	☐ Other (please specify) Page 2

CONTINUE HERE	28. Please select the top three things you would need to know
24. Has your child or children who are 12-17 years old received	before deciding about vaccinating your child or children ages 12
their second dose of the COVID-19 vaccine?	to 17 years for COVID-19.
☐ Yes→ skip to Questions 29	☐ If the vaccine is recommended by your child's doctor, nurse,
□ No→ continue to Question 25	or clinic
-	☐ How effective the vaccine is
25. What is the main reason your child or children have not received	☐ The cost of the vaccine
their second dose?	☐ The safety of the vaccine
It is not time for my child/children to receive the 2 <sup>nd</sup> scheduled dose	☐ If the shot is painful
yet	☐ What the side effects of the vaccine are
My child/children do not have transportation to a clinic or	☐ If COVID-19 is dangerous to my child
pharmacy	☐ If the vaccine is recommended by friends or family members
I am unable to take time off work during normal clinic hours to take	☐ The chances of your child getting sick from COVID-19
my child/children	☐ Which vaccine is available to my <u>child</u>
It is too difficult to fit into our schedules	☐ If it is required for school
My child/children or myself are worried about the vaccine being	Other (please specify)
painful	29. Do you have a child or children who are ages 0 months - 11
My child/children or myself are worried about temporary side	years?
effects	☐ Yes→ continue to Question 30
My child/children had a significant adverse reaction to my first shot	□ No→ skip to Question 34, page 4
☐ I have concerns about vaccine safety	
□ Don't know	30. Do you plan on vaccinating your child or children ages 0
☐ Other (please specify)	months – 11 years old once they are able/eligible to receive
26. How likely are you to get your child or children vaccinated in the	the vaccine?
future?	☐ Yes → continue to Question 31, then continue to question
	34
□ Very Likely □ Onlikely □ Likely □ Very Unlikely	□ No→ skip to Question 32
☐ Neither likely nor unlikely	□ Unsure
La Melcher likely nor drilikely	
	31 Diagra calact the ton three reasons you will choose to get
27. Please select the top three reasons that your child or children 12-	31. Please select the top three reasons you will choose to get the COVID-19 vaccine for your child or children ages 0 months
17 have not been vaccinated.	the COVID-19 vaccine for your child or children ages 0 months
17 have not been vaccinated.  ☐ I do not believe the vaccine works well enough	the COVID-19 vaccine for your child or children ages 0 months — 11 years
17 have not been vaccinated.  ☐ I do not believe the vaccine works well enough ☐ My child did not want to be vaccinated	the COVID-19 vaccine for your child or children ages 0 months  − 11 years  □ Vaccines are important for my child's health
17 have not been vaccinated.  ☐ I do not believe the vaccine works well enough ☐ My child did not want to be vaccinated ☐ Getting the vaccine is against my religious beliefs	the COVID-19 vaccine for your child or children ages 0 months  – 11 years  ☐ Vaccines are important for my child's health ☐ Having my child vaccinated is important for the health of
17 have not been vaccinated.  ☐ I do not believe the vaccine works well enough ☐ My child did not want to be vaccinated ☐ Getting the vaccine is against my religious beliefs ☐ I am worried about whether the vaccine is safe	the COVID-19 vaccine for your child or children ages 0 months  – 11 years  Use Vaccines are important for my child's health  Having my child vaccinated is important for the health of others in my community
17 have not been vaccinated.  ☐ I do not believe the vaccine works well enough ☐ My child did not want to be vaccinated ☐ Getting the vaccine is against my religious beliefs ☐ I am worried about whether the vaccine is safe ☐ I do not think COVID-19 is a serious disease	the COVID-19 vaccine for your child or children ages 0 months  – 11 years  Use Vaccines are important for my child's health Having my child vaccinated is important for the health of others in my community  I feel my child/children are protected after getting vaccinated
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CONTINUE HERE	35. Thinking about your close friends/family, how many of then
32. Please select the top three reasons why you plan not to	have been vaccinated for COVID-19?
vaccinate your child or children 0 – 11 against COVID-19.	☐ Most all of them
☐ I do not believe the vaccine works well enough	☐ Most of them
Getting the vaccine is against my religious beliefs	☐ About half of them
☐ I am worried about whether the vaccine is safe	☐ Just a few of them
☐ I do not think COVID-19 is a serious disease	□ None of them
☐ My child or children already had COVID-19	36. What are the top ways you get information about vaccines
☐ I do not trust the drug companies	for yourself and/or your family? Select all that apply:
☐ I am waiting for the U.S. Food & Drug Administration (FDA) to	Doctor, nurse, or clinic
fully approve vaccines	☐ Family
☐ I am waiting for more information about possible long-term	□ Friends
side effects	☐ My child's school
☐ My child does not have a doctor, nurse, or clinic	☐ Internet websites
My child's doctor or nurse discouraged us from getting	□ Facebook
vaccinated	Twitter
☐ My child's doctor or nurse did not bring up vaccination during	□ Instagram
our visit	□ Tik Tok
☐ It is too difficult to get to the clinic or pharmacy	☐ Other social media
(transportation, time, schedule)	☐ Television
☐ I am unable to take time off work during normal clinic hours to	Radio
take my child	□ Newspaper
☐ I did not know children 12+ and older were eligible for	☐ Religious organization
vaccination	□ Community organization
☐ I am worried about the vaccine being painful for my child	☐ Local public health department
☐ I am worried about the temporary side effects	☐ Center for Disease Control & Prevention
☐ My child is allergic to a vaccine ingredient	(CDC)
☐ My child has had a significant adverse effect with other	☐ Washington State Department of Health (WA
vaccinations	DOH)
☐ I am concerned about fees/costs	☐ World Health Organization (WHO)
☐ Other (please specify)	☐ Other (please specify)
33. Please select the top three things you would need to know before	
deciding about vaccinating your child or children ages 0 months to 11	OUTSTIONS ABOUT YOU
vears for COVID-19.	QUESTIONS ABOUT YOU  The information in this section is optional, but very helpful.
If the vaccine is recommended by your child's doctor, nurse, or clinic	It helps us to determine if we are representing all members
☐ How effective the vaccine is	of our community.
☐ The cost of the vaccine	of our community.
☐ The safety of the vaccine	
☐ If the shot is painful	<ol> <li>How did you hear about this survey? (<u>response</u> optional)</li> </ol>
☐ What the side effects of the vaccine are	☐ From friends or family
☐ If COVID-19 is dangerous to my child	☐ From work or a co-worker
☐ If the vaccine is recommended by friends or family members	☐ Social Media (Facebook, Instagram, etc.)
☐ The chances of your child getting sick from COVID-19	☐ Fliers
☐ Which vaccine is available to my child	☐ Doctor's office
☐ If it is required for school	☐ Public Health
☐ Other (please specify)	☐ Community Organization
ADDITIONAL COVID-19 DISEASE AND COVID-19 VACCINE QUESTIONS	☐ Other (please specify)
ADDITIONAL COVID-19 DISEASE AND COVID-19 VACCINE QUESTIONS	
34. How worried do you feel that you or someone in your	
immediate family might become seriously ill from COVID-19?	2. What is your current age? (response optional)
D Very worried	□ 19 or younger □ 45-54
D Somewhat worried	20-24
□ Not worried at all	□ 25-34 □ 66 or older
	□ 35-44

CONTINUE TO NEXT PAGE

#### CONTINUE HERE

3. Gender: How do  Male Female Non-binary	you identify? (response optic  Prefer not to answer  Prefer to self-describe	onal)
4. What is your zip	code? (response optional)	
☐ 98922 (Cle Elum) ☐ 98925 (Easton) ☐ 98926 (Ellensbur, ☐ 98934 (Kittitas) ☐ 98940 (Ronald) ☐ Other (please spe	98941 (Roslyn)  98943 (South Cl g)  98946 (Thorp)  98950 (Vantage	)
( <u>response</u> optional  ☐ Less than high so	chool degree ree or equivalent (e.g., GED) It no degree e	ve completed?
6. What is closest to (response optional)  \$0 - \$9,999  \$10,000 - \$19,99  \$20,000 - \$29,99  \$30,000 <u>- \$39,99</u> \$40,000 - \$49,99  \$50,000 - \$59,99	9	999
7. What race do you (response optional)  White or Caucasi  Black or African A Asian or Asian Ar American Indian  Native Hawaiian Islander Prefer not to ide	an American merican or Alaska Native or <u>other</u> Pacific ntify	ct all that apply
8. What is your ething Hispanic/Latino  Not Hispanic/Lating Prefer not to iden  Other (please spe	ntify	

Thank you for taking the time to fill out the survey! We appreciate your response!

#### Appendix B

Spanish Paper Copy of the Kittitas County COVID-19 Vaccine Community Survey

## ENCUESTA COMUNITARIA SOBRE LA VACUNA COVID-19 DEL CONDADO DE KITTITAS

CHIDADO DE SALLID



PREGUNTAS SOBRE LA VACUNA COVID-19

La encuesta sobre la comunidad de vacunas COVID-19 del condado de Kittitas hace preguntas para ayudarnos a comprender las actitudes, los comportamientos y las creencias en torno a la vacunación. Las respuestas son anónimas. Entendemos que este es un momento estresante para todos y agradecemos su tiempo al responder esta encuesta.

#### EMPIEZA AQUI

Las siguientes preguntas se recopilan para ayudar a determinar las	Las siguientes preguntas son sobre la vacuna COVID-19. Estas
fuentes de seguro médico, ciertos comportamientos de salud y el	preguntas se hacen para ayudarnos a comprender las actitudes
uso de las clínicas y servicios de atención médica del condado de	comportamientos y creencias en torno a la vacuna COVID-19 en
Kittitas.	condado de Kittitas.
1. ¿Qué tipo de seguro medico tiene actualmente?	6. ¿Ha recibido al menos una vacuna COVID-19?
☐ Washington Apple Health (Medicaid)	□ Sí → pasemos a: pregunta 11, página 2
☐ Seguro medico a traves de mi empleador	□ No→ pasemos a: pregunta 7
☐ Seguro medico a través del buscador de planes de salud de	7. ¿Qué posibilidades hay de que se vacune en el futuro?
Washington	☐ Muy probable ☐ Improbable
TRICARE	☐ Probable ☐ Muy improbable
□ No tengo seguro médico	☐ Ni probabli ni improbable
Otro (por favor <u>especifique)</u>	8. Seleccione las tres razones principals por las que no ha sido
2. En un año típico, ¿recibe una vacuna contra la gripe?	vacunado.
□ sí	☐ No creo que la vacuna funcione lo suficientemente bien
□ No	☐ Recibir la vacuna va en contra de mis creencias religiosas
☐ No estoy seguro	☐ Estoy preocupado/a por si la vacuna es segura
3. ¿Usted tiene una enfermera, un médico o clínica a la que	☐ No creo que COVID-19 sea una enfermedad grave
suele acudir si necesita un chequeo, quiere consejo sobre un	Ya tuve COVID-19
probleme de salod o si se enferma o se lesiona?	□ No confío en las compañías farmacéuticas
_ sí	☐ Estoy esperando que la Administración de Drogas y Alimento:
□ No → pasemos a: pregunta 6	de los EE.UU (FDA) apruebe completamente las vacunas
□ No estoy seguro → pasemos a: pregunta 6	☐ Estoy esperando más información sobre posibles efectos secundarios a largo plazo
4. ¿Cuál es la clínica de salud a la que acude?	□ No tengo doctor, enfermera o clínica
☐ KVH Family Medicine (Ellensburg) → pasemos a: pregunta 6	☐ Mi doctor o enfermera me han desalentado de vacunarme
☐ KVH Family Medicine (Cle Elum) → pasemos a: pregunta 6	☐ Mi medico o enfermera no mencionó las vacunas durante mi
☐ KVH Women's Health→ pasemos a: pregunta 6	visita
☐ CompassDirect Healthcare → pasemos a: pregunta 6	☐ Es muy difícil llegar a la clínica o farmacia (transporte, tiempo
☐ Community Health of Central Washington (Ellensburg) → pasemos a:	horario)
pregunta 6	☐ No puedo ausentarme del trabajo durante el horario normal
☐ Awake Health → pasemos a: pregunta 6	de la clínica
☐ Swiftwater Naturopathic→ pasemos a: pregunta 6	☐ Estoy preocupado/a de que la vacuna sea dolorosa
□ Salgo del condado para mi atención médica → continua a pregunta 5	☐ Estoy preocupado/a por los efectos secundarios temporales
□ Otro (por favor especifique) → pasemos a: pregunta 6	☐ Soy alérgico/a a un ingredient de la vacuna
	☐ He tenido un efecto adverso significativo con otras vacunas
5. ¿En qué condado se encuentra su enfermera, médico o clínica de	☐ Estoy preocupado/a por costo
atención médica?	☐ Otro (por favor especifique)
☐ Condado de King	
□ Condado de Yakima	0. : Oué la haría más proponso a recibir la vascura cours 403
☐ Condado de Grant	9. ¿Qué lo haría más propenso a recibir la vacuna COVID-19?
☐ Condado de Chelan	
☐ Otro (por favor especifique)	

#### EMPIEZA AQUI

10. Si decidiera vacunarse, ¿cree que tiene suficiente información para programar una cita de vacunación?	15. ¿Es usted padre o tutor de un niño menor de 18 años? □ Sí
☐ Si → continua a pregunta 15	□ No → continua a pregunta 34
□ No (especifique la información adicional que necesita) → pasemos a: pregunta 15	16. En un año típico, ¿sigue el programa de vacunación
	annual recomendado para su hijo/a o hijos?
11. Seleccion las tres razones principals por las que eligió recibir la	□ sí
vacuna COVID-19	□ No → pasemos a: pregunta 21
☐ Las vacunas son importantes para mi salud	☐ Parcialmente → pasemos a: pregunta 21
☐ Estar vacunado es importante para la salud de otras personas en mi	
comunidad	17. En un año típico, ¿sus hijos reciben la vacuna contra la
Me siento protegido/a después de vacunarme	gripe?
☐ Se require para ingresar al trabajo/escuela/otras instalaciones ☐ Confío en la información sobre vacunes que recibo de fuentes	□ Sí □ No
confiables (departamento de salud local, hospital local, CDC, etc.)	□ No estoy seguro/a
Mi proveedor de atención médico me recomendó ponerme la vacuna	III NO ESTOY SEBUIO/A
☐ Recibir la vacuna disminuye la probabilidad de que me infecte con	18. ¿Su hijo/a o hijos tienen una enfermera, un médico o
COVID-19	una clínica a la que suelen acudir si necesitan un chequeo,
☐ Quiero los incentivos asociados con la vacunación (lotería del estado	si quieren consejo sobre un problema de salud o si se
de Washington, tarjetas de regalo, etc.)	enferman o se lesionan?
Quiero volver a la normalidad (es decir, no usar mascaras, leventar las	□ sí
restricciones)	□ No
Otro (por favor especifique)	□ No estoy seguro/a
12. ¿Qué vacuna COVID-19 recibió?	
☐ Pfizer (Pfizer-BioNTech)	19. ¿Cuál es la clínica de atención médica a la que van sus
☐ Moderna ☐ Johnson & Johnson (J&J, Janssen) → continua a pregunta 15	hijos?
□ No estoy seguro/a	□ KVH Family Medicine (Ellensburg) → pasemos a: pregunta 21 □ KVH Family Medicine (Cle Elum) → pasemos a: pregunta 21
Otro (por favor especifique, si fue vacunado fuera del país	☐ KVH Pediatrics-> pasemos a: pregunta
	☐ CompassDirect Healthcare → pasemos a: pregunta 21
13. ¿Ha recibido su segunda dosis?	□ Community Health of Central Washington (Ellensburg) →
□ Sí → continua a pregunta 15	pasemos a: pregunta 21
□ No) → pasemos a: pregunta 14	□ Awake Health → pasemos a: pregunta 21
14. ¿Cuál es la razón principal por la que no ha recibido su segunda	☐ Swiftwater Naturopathic→ pasemos a: pregunta 21
dosis?	□ Salgo del condado para la atención médica de mi hijo/a → continua a pregunta 20
☐ Todavía no es tiempo de que reciba la segunda dosis programada	☐ Otro (por favor especifique) → skip to
□ No tengo transporte a una clínica o farmacia	Question 21
☐ Es muy difícil de hacer tiempo con mi horario	
□ No puedo ausentarme del trabajo durante el horario normal de la	
clínica	20. ¿En qué condado se encuentra la enfermera, el médico
☐ Estoy preocupado/a por los efectos secundarios temporales	or la clínica de atención médica de su niño/a o niños?
☐ Tuve una reacción adversa significative a mi <u>primer vacuna</u> ☐ Me preocupa la seguridad de las vacunas	☐ King County ☐ Yakima County
□ No se	☐ Grant County
☐ Otro (por favor especifique)	☐ Chelan County
	☐ Otro (por favor especifique)
DESCRIPTAS CORRE LA MACUNIA COMIDIAO	21. ¿Tiene un hijo/a o hijos de 12 a 17 años?
PREGUNTAS SOBRE LA VACUNA COVID-19  Las siguientes preguntas son sobre las vacunas COVID-19 en niños	☐ Sí → continua a pregunta 22
menores de 18 años. Estas preguntas nos ayudarán comprender los	□ No→ pasemos a: pregunta 29, página 3
comportamientos y las razones que rodean de vacunar o no a sus	
hijos. Las mismas preguntas de atención médica que se hicieron	22. ¿Su hijo/a o niños de 12 a 17 años de edad han
anteriormente también se hacen sobre la cobertura de atención	recibido la vacuna COVID-19?
médica y el uso de la clínica de atención médica para su hijo/a.	☐ Sí → continua a pregunta 23
	□ No→ pasemos a: pregunta 26 página 3

27. Seleccione las tres razones principals por las que su hijo o niñnos de

EMPIEZA AQUI	entre 12 a 17 años han sido vacunados  Mi hijo/a no tiene medico, enfermera, ni clínica  Mi hijo/a no quiere ser vacunado
23. Seleccione las tres principales por las que eligió recibir la vacuna COVID-19 para su hijo o niños de 12 a 17 años.  □ Las vacunas son importantes para la salud de mi hijo/a □ Mi hijo me pidio recibir la vacuna COVID-19 □ Vacunar a mi hijo/a es improatnte para la salud de los demás de vacunarse □ Requerido para ingresar a la guarería/escuela/otra instalación □ Confío en la información sobre vacunas que recibo de fuentes confiables (departamento de salud local, hospital local, CDC, etc.) □ El proveedor de atención médica de mi hijo/a recomendó que se vacunen □ Recibir la vacuna reduce la probabilidad de que mi hijo/a o mis hijos se infecten con COVID-19 □ Quiero los incentivos asociados con la vacunación (lotería del estado de Washington, tarjetas de regalo, etc.) □ Quiero volver a la normalidad (es decir, no usar máscaras, levanter las restricciones) □ Otro (por favor específique)  24. ¿Su hijo/a or niño de 12 a 17 años de edad han recipbido su segunda dosis de la vacuna COVID-19?	<ul> <li>□ Es muy difícil llegar a la clínica o farmacia (transporte, tiempo, horario)</li> <li>□ No puedo ausentarme del trabajo durante el horario normal de la clínica para llevar a mi hijo/a</li> <li>□ Estoy precoupado/a por las tarifas/costos</li> <li>□ No sabia que los niños de 12 años o más fueran elegibles para la vacunación</li> <li>□ El médico o la enerferma de mi hijo nos desanimó de vacunarnos</li> <li>□ El médico o la enfermera de mi hijo no mencionó la vacuna durante nuestra visita</li> <li>□ No creo que la vacuna funcione lo suficientemente bien</li> <li>□ Estoy preocupado/a por si la vacuna es segura</li> <li>□ Estoy esperando más información sobre posibles efectos secundarios a largo plazo</li> <li>□ Estoy esperando que la Administración de Drogas y Alimentos de los EE. UU. FDA) apruebe completamente las vacunas</li> <li>□ Mi hijo/a o hijos ya tenían COVID-19</li> <li>□ No creo que COVID-19 sea una enefermedad grave</li> <li>□ No confío en las compañías farmecéuticas</li> <li>□ Recibir la vacuna va en contra de mis creencias religiosas</li> <li>□ Estoy precocupado porque la vacuna sea dolorosa para mi hijo/a</li> <li>□ Estoy precocupado/a por los efectos secundarios temporales</li> <li>□ Mi hijo/a es alérgico a un ingredient de la vacuna</li> <li>□ Mi hijo/a ha tenído un efecto adverso significativo con otras vacunas</li> </ul>
su segunda dosis de la vacuna COVID-19?  ☐ Yes-→ pasemos a: pregunta 29	☐ Otro (por favor especifique)
□ No → continua a pregunta 25	28. Seleccione las <i>tres</i> cosas prinicpales que necesitaría saber antes de decider si vacunar a su hijo o niños de 12 a 17 años contra el COVID-19
25. ¿Cuál es la razón principal por la que su hijo/a o sus hijos no han recibido su segunda dosis?  ☐ Aún no es hora de que mi hijo/a o hijos reciban la segunda dosis programada ☐ My hijo/a or hijos no tienen transporte a una clínica o farmacia ☐ No puedo ausentarme del trabajo durante el horario normal de la clínica para llevar a mi hijo/a ☐ Es muy difícil de hacer tiempo con mi horario ☐ My hijo/hijos o yo mismo estamos preocupados porque la vacuna se dolorosa ☐ My hijo/hijos o yo mismo estamos preocupados por los efectos secundarios temporales ☐ My hijo/a o hijos tuvieron una reacción adversa significatica a la primera dosis ☐ Me preocupa la seguirdad de la vacuna ☐ No se ☐ Otro (por favor especifique)	Si el medico, la enfermera o la clínica de su hijo/a recomiendan la vacuna  Qué tan efectiva es las vacuna  Si la inyección es dolorosa  Cuáles son los efectos secundarios de la vacuna  Si la vacuna es recomendada por amigos o familiares  Cuáles son los probabilidades de que su hijo/a se enferme por COVID-19  Si la vacuna es recomendada por amigos o familiares  Cuáles son las probabilidades de que su hijo se enferme por COVID-19  Si la vacuna es recomendada por amigos o familiares  Cuáles son las probabilidades de que su hijo se enferme por COVID-19  Qué vacuna está disponible para mi hijo  Si es requerido para la escuela  Otro (por favor especifique)  29. ¿Tíene un niño/a o niños de 0 mesas a 11 años?  Si → continua a pregunta 30  No → pasemos a: pregunta 34, page 4
26. ¿Qué posibilidades hay de que vacunen a su hijo o hijos en el futuro? □ Muy probable □ Probable □ Ni probable ni improbable	30. ¿Planea vacunar a su hijo/a o niños de 0 mesas a 11 años una vez que puedan o sean elegibles para recibir la vacuna? ☐ Sí→ continua a pregunta 31, entonces continua a pregunta 34 ☐ No→ pasemos a: pregunta 32 ☐ Inseguro/a
□ Improbable □ Muy improbable	Página 3

33. Seleccione las *tres* cosas prinicpales que necesitaría saber antes de decider si vacunar a su hijo/a o niños de 0 mesas a 11

#### EMPIEZA AQUI

EMPIEZA AQUI	años de edad contra COVID-19
	☐ Si el medico, la enermera o la clínica de su hijo/a recomiendan la
31. Seleccione las tres razones principales por las que planea	vacuna
recibir la vacuna COVID-19 para su hijo o niños de 0 mesas a 11	☐ Qué tan efectiva es la vacuna
años	□ <u>El costa</u> de la vacuna
☐ Las vacunas son importantes para la salud de mi hijo/a	☐ La seguirdad de la vacuna
□ Vacuna a mi hijo/a es importante para la salud de los demás	☐ Si la inyección es dolorosa
en mi comunidad	☐ Cuáles son los efectos ssecundarios de la vacuna
☐ Siento que mi hijo/hijos están prtegidos después de vacunarse	☐ Si COVID-19 es peligroso para mi hijo/a
Requerido para ingresar a la guardería/escuela/otra	☐ Si la vacuna es recomendada por amigos o familiares
instalación	☐ The chances of your child getting sick from COVID-19
Confío en la información sobre vacunas que recibo de fuentes	☐ Which vaccine is available to my <u>child</u>
confiables (departamento de salud local, hospital local, CDC, etc.)	☐ Si es requerido para la escuela
☐ El proveedor de atención médica de mi hijo/a recomendó la	Otro (por favor especifique)
Vacuna  Discribir la cauna coduce la probablidad de cue mi bijo/a e mis	Preguntas adicionales sobre la enfermedad COVID-19 y la
☐ Recibir la cauna reduce la probablidad de que mi hijo/a o mis hijos se infecten con COVID-19	vacuna COVID-19
☐ Quiero los incentivos asociados con la vacunación (lotería del	34. ¿Qué tan preocupado se de que usted o alguien de su familia
estado de Washington tarjetas de regalo, etc.)	immediata pueda enfermarse gravemente a causa del COVID-19?
Quiero volver a la normalidad (es decir, no usar máscaras,	☐ Muy preocupado/a ☐ No realmente preocupado/a
leventar las restricciones)	☐ Algo preocupado/a ☐ No preocupado/a en absoluto
Otro (por favor especifique)	□ Ni preocupado/a ni no preocupado/a
32. Seleccione las tres razones principalies por las que planea	35. Pensando en sus amigos/familiars cercanos, ¿cuántos de ellos se han vacunado contra COVID-19?
no vacunar a su hijo/a o niños de 0 meses a 11 años contra	□ Casi todos
COVID-19	☐ La mayoría de ellos
☐ No creo que la vacuna funcione lo suficientemente bien	☐ Aproximadamente le mitad de ellos
☐ Recibir la vacuna va en contra de mis creencias religiosas	☐ Solo algunos de ellos
☐ Estoy preocupado/a por si la vacuna es segura	□ Ninguno de ellos
☐ No creo que COVID-19 sea una enfermedad grave	_
☐ Mi hijo/a o hijos ya tuvieron COVID-19	36. What are the top ways you get information about vaccines for yourself and/or your family? Select all that apply:
□ No confío en las compañías farmecéuticas	Doctor, enfermera, o clínica
☐ Estoy esperando que la Administración de Drogas y	□ Familia
Alimentos de los EE. UU. (FDA) apruebe completamanete las	□ Amigos
vacunas	☐ La escuela de mi hijo
☐ Estoy esperando más información sobre posibles efectos	☐ Sitio de web de Internet
secundarios a largo plazo	□ Facebook
☐ Mi hijo/a no tiene medico, enfermera ni clínica	□ Twitter
☐ El medico o la enfermera de mi hijo no mencionó la vacuna durante nuestra visita	□ Instagram
	□ Tik Tok
☐ Es muy difícil llegar a la clínica o farmacia (transporte, tiempo, horario)	☐ Otras redes sociales
☐ No puedo ausentarme del trabajo durante el horario	☐ Televisión
normal de la clínica para llevar a mi hijo/a	□ Radio
☐ No sabia que los niños de 12 años o más fueran elegibles	□ Periódico
para la vacunación	☐ Organización religiosa
☐ Estoy preocupado/a porque la vacuna sea dolorsa para mi	☐ Organización de la comunidad
hijo/a	☐ Departamento de salud pública local
☐ Esoy preocupado/a por los efectos secundarios temporales	☐ Centro para el Control y la Prevención de Enfermedades (CDC)
☐ Mi hijo/a es alérgico a un ingredient de la vacuna	☐ Departamento de Salud del Estado de Washington (WA DOH)
☐ Mi hijo/a ha tenido un efecto adverso significativo con	Organización Mundial de la Salud (WHO)
otras vacunas	Otro (por favor especifique)
☐ Estoy preocupado/a por las tarifas/costos	
☐ Otro (por favor especifique)	
	CONTRACT

CONTINUA

#### EMPIEZA AQUI

#### PREGUNTAS SOBRE USTED

La información de esta sección es opcional, pero muy útil. Nos ayuda a determinar si representamos a todos los miembros de nuestra comunidad.

1. ¿Cómo se entero de esta encuesta? (respuesta opcional)  De amigos o familiares Del trabajo o compañero/a de trabajo Redes sociales (Facebook, Instagram, etc.) Folletos Oficina del doctor Salud pública Organización de la comunidad Otro (por favor especifique)		
2. ¿Cuál es su edad actual? (respuesta opcional)  19 años o menos		
□ Male □	e identificas? (respuesta opcional)   Prefiero no responder   Prefiero autodescribirte a continuación: 	
4. ¿Cuál es su códig □ 98922 (Cle Elum) □ 98925 (Easton) □ 98926 (Ellensbur, □ 98934 (Kittitas) □ 98940 (Ronald) □ 98941 (Roslyn)	☐ 98946 (Thorp)	
5. ¿Cuál es su nivel más alto de estudios que ha completado o el titulo más alto que ha recibido? (respuesta opcional)    Menos de un título de escuela secundaria   Título de escuela secundaria o equivalente (por ejemplo, GED o High School)   Algo de universidad pero sin título   Título de asociado   Título de bachillerato   Título de posgrado		
	nás a los ingresos anuales totals de su hogar?	

7. ¿Con qué raza se identifica? Seleccione todo lo que corresponda (respuesta opcional)  □ Blanco o caucásico □ Negro o afroamericano □ Asiático o asiático americano □ Indio americano o nativo de Alaska □ Nativo hawaiano u otro isleño del Pacífico □ Prefiero no idenficar □ Otro (por favor especifique)
8. ¿Cuál es su origen étnico? (respuesta opcional)  ☐ Hispanic/latino ☐ No Hispanic/latino ☐ Prefiero no idenficar ☐ Otro (por favor especifique)

¡Gracias por tomarse el tiempo para completar la encuesta! ¡Agradecemos tu respuesta!

#### Appendix C

Flyer

# Kittitas County COVID-19 Vaccine Community Survey

To complete the survey in English, please scan the following code with your smart phone:



**THANK YOU!** 

## Encuesta comunitaria sobre la vacuna COVID-19 del condado de Kittitas

Para participar en la encuesta en español, por favor escanea el siguiente codigo con tu teléfono inteligente:





iGRACIAS!

#### Appendix D

#### Calculations

#### Sample Size and Power

Power analysis can be used to determine how many surveys need to be completed to at a predetermined confidence level, margin of error, and a generally unknown population proportion. An expectable value for confidence level is 95%, and a reasonable margin of error is 5%, using those values we will find that 384 survey takers are required. We would be 95% confident that the true value of the population parameter lies within the confidence interval.

Equation 1:n =  $P(1-p)\left(\frac{z}{E}\right)^2$ , n = sample size, p = population proportion generally 0.5, Z is a value taken from the normal curve (95% =1.96), E is the margin of error.

Example 1: 
$$n = 0.5(1 - 0.5) \left(\frac{Z}{E}\right)^2 = 0.5(1 - 0.5) \left(\frac{1.96}{0.05}\right)^2 = 384$$

#### **Confidence Intervals**

Confidence Intervals (CI) reflect the range values that are likely to contain the unknown population parameter at a given confidence interval. This equation is only applicable to cases where there are at least 5 positive responses and 5 negative responses.

Equation 2:  $= \pm Z \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$ ,  $\hat{p}$  is the measured population proportion.

#### Appendix E

Facebook Post Images

### Kittitas County COVID-19 Vaccine Community Survey

Encuesta Comunitaria Sobre la Vacuna COVID-19 Condado de Kittitas



Kittitas County COVID-19 Vaccine Community Survey

Encuesta Comunitaria Sobre la Vacuna COVID-19 Condado de Kittitas





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Website: <a href="www.co.kittitas.wa.us/health/">www.co.kittitas.wa.us/health/</a>



For more information or extra copies of this report, please contact the Kittitas County Public Health Department