

Supplementary Table 1: Beliefs and attitudes, by theme and sub-theme, regarding COVID-19 vaccination among those unsure or unlikely to get vaccinated

Sex	Race	Age	Cigarette Smoker	E-cigarette User	Likelihood of Vaccination	Comment
1. Vaccine was not researched or tested enough						
Female	White	52	Yes	Yes	Very Unlikely	I do not plan on getting the vaccine [without] knowing the side effects.
Female	White	40	Yes	No	Somewhat Unlikely	I'm not comfortable yet as the long term study of side effects has not been conducted.
Female	White	47	No	Yes	Very Unlikely	Side effects are unknown.
Male	White	66	Yes	No	Very Unlikely	All the vaccines granted "Emergency Use Authorization" are still in their infancy, with no one knowing the longer term effects they could have on those who have rolled up their sleeves. I can wait until studies are done on the after-effects of the vaccines.
Male	White	42	Yes	No	Very Unlikely	Vaccine was too rushed. Long term problems will not show up and the focus groups were too small.
Female	White	36	No	Yes	Very Unlikely	It is too new we do not know the side effects.
Female	White	26	Yes	No	Very Unlikely	It's too soon. Side effects unknown.
Female	White	42	Yes	No	Somewhat Unlikely	I might consider getting vaccinated in the fall. I am not inclined to do it now while it is still so new.
Female	White	36	Yes	No	Very Unlikely	I don't trust the vaccine- it's too new and not enough us known about possible long term effects. It also doesn't mean I won't get COVID or can't pass it on to others. I also don't get a flu shot for the same reason!
Male	Black	30	Yes	No	Very Unlikely	I understand that I am at a higher risk of COVID19 related complications because I am a tobacco user, however I am also young and healthy. The numbers are, relatively, in my favor. We do not have tons of data on the virus and I think we have less on the vaccinations and the affects it will have long term. I am not completely opposed to the vaccination, but there is not enough data available with proof that it does what it says without doing anything it says it doesn't.
Female	White	42	Yes	No	Very Unlikely	Vaccine was developed to quick. I don't trust it. No cure for cancer, common cold etc. A vaccine for COVID 19 developed in less than a year. No thanks.
Female	Black	58	Yes	No	Very Unlikely	Not enough information, too risky.
Female	White	39	Yes	Yes	Very Unlikely	I have no intention of getting the vaccine. I would prefer to take

						my chances with COVID than risk suffering permanent side effects from the vaccine, specially knowing that the pharmaceutical companies cannot be held responsible for any lasting side effects plus the fact that it seemed to have been pushed through to get it out to the public quickly.
Female	White	37	Yes	No	Very Unlikely	Needs further testing.
Female	White	64	Yes	No	Very Unlikely	I feel the vaccine is being forced on people, no one forces the flu vaccine, and not enough research on it, the vaccine came about too quickly.
Female	White	43	Yes	No	Very Unlikely	Scientists came up too quickly with a vaccine.
Female	White	45	Yes	No	Unsure	I just don't have enough information to decide at this time.
Female	White	39	Yes	No	Very Unlikely	I am not getting the vaccine because it doesn't matter, you are still supposed to wear a mask and avoid [people] so what would change. Plus no one knows what the long term affects will be. Pharmaceutical companies cause illness and death all the time, just as much or if not as much as COVID.
Male	Black	44	Yes	No	Very Unlikely	I don't trust it due to the fact it was not tested long enough. It takes years to come up with a vaccine if that wasn't the case no one would get the flu shot however it took years to make sure folks could get the vaccine without getting sick and with this vaccine it was released to fast and people had [passed] away and it gotten extremely sick from it so I'm not doing it.
Female	Other	39	Yes	No	Very Unlikely	There are many who need it. I would let them have it. Also want to see the long term effects neurologically.
Female	White	57	Yes	No	Very Unlikely	Not enough research on long term effects.
Male	White	55	Yes	No	Somewhat Unlikely	Not enough testing done prior to distribution. Know of people that received complete vaccination and caught COVID-19 within a week. Already had it and told if I were to get again my symptoms would be less than first time.
Female	White	33	No	Yes	Very Unlikely	I don't believe there is enough research on the vaccine to ensure my quality of life in a few years....
Female	White	43	Yes	No	Somewhat Unlikely	I worry about the safety of it. I feel like there aren't enough tests on the safety or possible side effects.
Female	White	49	Yes	No	Somewhat Unlikely	It is still in trial stages. In my opinion the risks outweigh the benefit. Not effective long term.
Female	White	45	Yes	No	Somewhat Unlikely	I'm afraid of long term effects 10-20 years from now.

	Female	White	44	Yes	No	Very Unlikely	I feel like there is not enough research to support getting this vaccine.
1a. Vaccine was not researched or tested enough → Vaccine is experimental							
	Female	White	41	Yes	Yes	Very Unlikely	I will not get an experimental vaccination.
	Female	White	41	Yes	No	Very Unlikely	I will not be getting the experimental vaccine.
	Female	White	55	Yes	No	Very Unlikely	I am not a lab rat.
	Female	White	38	Yes	No	Very Unlikely	I will not get the vaccine. I am not an experiment.
	Female	Other	57	Yes	No	Unsure	I'm not sure it's safe or been tested long enough, I kind of think we are the test subjects for this vaccine.
2. Does not trust the vaccine							
	Female	White	42	Yes	No	Very Unlikely	Vaccine was developed to quick. I don't trust it. No cure for cancer, common cold etc. A vaccine for COVID 19 developed in less than a year. No thanks.
	Male	White	54	Yes	No	Very Unlikely	Honestly I do not trust the vaccine! I will wait and see all the actual data.
	Female	White	39	Yes	No	Very Unlikely	Don't trust it, don't want it.
	Male	Black	44	Yes	No	Very Unlikely	I don't trust it due to the fact it was not tested long enough. It takes years to come up with a vaccine if that wasn't the case no one would get the flu shot however it took years to make sure folks could get the vaccine without getting sick and with this vaccine it was released to fast and people had [passed] away and it gotten extremely sick from it so I'm not doing it.
	Female	White	42	Yes	No	Very Unlikely	I don't trust any of the vaccines for it. I've done lots of research and not comfortable with it at all.
2a. Does not trust the vaccine → Do not trust pharmaceutical companies							
	Female	White	39	Yes	Yes	Very Unlikely	I have no intention of getting the vaccine. I would prefer to take my chances with COVID than risk suffering permanent side effects from the vaccine, specially knowing that the pharmaceutical companies cannot be held responsible for any lasting side effects plus the fact that it seemed to have been pushed through to get it out to the public quickly.
	Male	White	39	Yes	No	Very Unlikely	I do not believe in vaccinations and I do not trust these big Pharma companies to have our best interest in mind.
	Female	White	39	Yes	No	Very Unlikely	I am not getting the vaccine because it doesn't matter, you are still supposed to wear a mask and avoid [people] so what would change. Plus no one knows what the long term affects will be. Pharmaceutical companies cause illness and death all the time,

							just as much or if not as much as COVID.
3. Concerned about experiencing side effects							
Female	White	56	Yes	No	Unsure	Afraid of reactions.	
Male	Black	33	Yes	No	Very Unlikely	I just hear the side effects of the vaccine and that doesn't make me feel comfortable.	
Female	White	45	Yes	No	Somewhat Unlikely	I'm afraid of long term effects 10-20 years from now.	
3a. Concerned about experiencing side effects → Related to past personal experiences							
Male	White	57	Yes	No	Very Unlikely	I'm one of those people who tend to have negative vaccine reactions.	
Female	White	49	Yes	No	Very Unlikely	Most serious reactions to the vaccine have been in patients with allergies to meds. I am allergic to 3 meds (two developed within the last 5 yrs.) and had a documented reaction to a dose of the anthrax vaccine. I am not an anti-vaxer or a conspiracy theorist. But I am concerned about how my body may react given my individual circumstances.	
Female	White	44	Yes	No	Very Unlikely	I have delayed T-cell reactions, scared of having injection and any side effects including death.	
Female	White	53	Yes	No	Very Unlikely	My boyfriend got the shot on Saturday, spent the night with me, by 1 am on Sunday I was full blown sick... went to doctors...had taken COVID test...then the doc yelled at me for being near him...because of my immune system...told me NOT to get it or he will see me in the hospital. Just like I was when my boyfriend started his chemo.	
4. Vaccine is not safe							
Female	White	33	Yes	No	Very Unlikely	Not safe.	
Female	White	72	Yes	No	Very Unlikely	Sorry it is not FDA approved.....do you eat meat that is FDA approved or meat that is FDA authorization..... https://www.theverge.com/22189236/fda-approval-authorization-difference-clearance-vaccines	
Female	Other	57	Yes	No	Unsure	I'm not sure it's safe or been tested long enough, i kind of think we are the test subjects for this vaccine.	
Female	White	43	Yes	No	Somewhat Unlikely	I worry about the safety of it. I feel like there aren't enough tests on the safety or possible side effects.	
5. Scared to get the vaccine							
Female	White	52	Yes	No	Somewhat Unlikely	Scared	

	Female	White	60	Yes	Yes	Unsure	Scared not to and scare to get the vaccination.
6. Does not find the vaccine to be beneficial							
	Female	White	42	Yes	No	Very Unlikely	Do not feel as I need it. There are more people who could benefit from it and I would not feel comfortable taking a vaccine from more at risk people.
	Female	Other	39	Yes	No	Very Unlikely	There are many who need it. I would let them have it. Also want to see the long term effects neurologically.
	Female	White	27	Yes	No	Very Unlikely	I do not believe in the vaccination I don't believe it helps anything.
	Female	White	49	Yes	No	Somewhat Unlikely	It is still in trial stages. In my opinion the risks outweigh the benefit. Not effective long term.
6a. Does not find the vaccine to be beneficial → Already had COVID-19							
	Male	White	28	Yes	No	Very Unlikely	I have strong antibodies due to recently having COVID.
6b. Does not find the vaccine to be beneficial → Does not change PPE requirements							
	Female	White	39	Yes	No	Very Unlikely	I am not getting the vaccine because it doesn't matter, you are still supposed to wear a mask and avoid people so what would change. Plus no one knows what the long term affects will be. Pharmaceutical companies cause illness and death all the time, just as much or if not as much as COVID.
6c. Does not find the vaccine to be beneficial → Does not protect from getting virus							
	Male	White	51	Yes	No	Very Unlikely	The vaccine does not keep one from getting COVID 19.
	Female	White	36	Yes	No	Very Unlikely	I don't trust the vaccine- it's too new and not enough us known about possible long term effects. It also doesn't mean I won't get COVID or can't pass it on to others. I also don't get a flu shot for the same reason!
6d. Does not find the vaccine to be beneficial → Virus is curable							
	Female	White	58	Yes	No	Very Unlikely	I'm not getting a vaccine for something that's 99% curable. I don't get the flu vaccine either
6de. Does not find the vaccine to be beneficial → Immune system is good							
	Female	White	48	Yes	No	Very Unlikely	I do not see the necessity in it. Generally when I get sick it does not last long. My immune system is good.
7. Does not receive any vaccinations							
	Female	White	36	Yes	No	Very Unlikely	I don't trust the vaccine- it's too new and not enough us known about possible long term effects. It also doesn't mean I won't get COVID or can't pass it on to others. I also don't get a flu shot for the same reason!
	Female	White	35	Yes	No	Very Unlikely	I don't vaccinate.

	Female	White	58	Yes	No	Very Unlikely	I'm not getting a vaccine for something that's 99% curable. I don't get the flu vaccine either.
	Male	White	39	Yes	No	Very Unlikely	I do not believe in vaccinations and I do not trust these big Pharma companies to have our best interest in mind.
	Male	White	54	Yes	No	Very Unlikely	I dont believe in it.
7a. Does not receive any vaccinations → Does not like getting shots							
	Female	White	29	Yes	No	Very Unlikely	I don't like getting shots.
8. Logistical Issues							
	Male	White	45	Yes	No	Very Unlikely	I have no car or money to get places.
	Female	White	54	Yes	No	Unsure	I will be traveling overseas very soon so not sure if I have enough time to get both doses, and can't find location to get J&J.
9. Refuses to get vaccine (reason unclear)							
	Female	White	43	No	No	Somewhat Unlikely	Just not sure that I want to get it.
	Female	White	36	Yes	No	Very Unlikely	I REFUSE to EVER get the vaccine.
	Male	White	41	Yes	No	Very Unlikely	I will not be getting vaccinated at all.
	Male	-	33	Yes	No	Very Unlikely	I am not going to get it.
	Female	White	48	Yes	No	Very Unlikely	I do not want it.
10. Other							
	Female	White	36	Yes	No	Very Unlikely	Dr s have told us for years there is nothing that can be done for a virus. It would be impossible to assume they found something within the last year.
	Male	Other	34	No	Yes	Very Unlikely	I still don't have a choice as to which experimental vaccine I get injected with. I at least want the illusion of self-agency with this.
	Female	White	37	Yes	No	Unsure	If my children cannot get vaccinated then why should I they can get COVID as well and I have one that is high risk.