

## **The determinants of vaccine hesitancy: Sample survey questions**

As countries increasingly face varied issues of vaccine hesitancy and sometimes refusal, more in-depth understanding of the issues driving hesitancy will be needed. The global polio eradication initiative has conducted the most in-depth research on reasons for vaccine refusals, but the resources required for such detailed analysis are unlikely to be available for all vaccines. The Working Group is developing a list of possible survey questions that countries can use to better understand the drivers of vaccine hesitancy in specific settings or around vaccines – specifically or in general. We propose the clustering of questions in same domains identified for the model of determinants of vaccine hesitancy.

The questions below are only suggestive, and are selected from survey questions identified through the peer-reviewed literature review as well as from the ongoing review of grey literature. These are examples, and are not an exhaustive list, but illustrate the types of questions being identified. More detailed lists of questions will be developed by the Working Group to address specific determinants in each of these domains, as outlined in the full model of determinants of vaccine hesitancy. Key questions will be identified and suggestions how to analyze the identified questions will be added.

<p><u>CONTEXTUAL INFLUENCES</u></p> <p>Influences arising due to historic, socio-cultural, environmental, health system/institutional, economic or political factors</p>	<p><b>a. Communication and media environment</b></p> <p>What is the most common information source you turn to for information about vaccines?</p> <p>When you hear a negative rumour related to vaccine(s), do you: ask a friend what they think? Ask a health worker? Go to the internet? Other?</p> <p>Who do you trust the most for information? Who do you trust the least?</p>	<p><b>b. Influential leaders, gatekeepers and anti- or pro-vaccination lobbies</b></p> <p>Some groups do not agree to vaccination for different reasons. In general, do you agree with these groups?</p>	<p><b>c. Historical influences</b></p> <p>Do you remember any events in the past that would discourage you from getting a vaccine(s) for yourself or your child(ren)?</p> <p>Can you describe it?</p>	<p><b>d. Religion/culture/gender/socio-economic</b></p> <p>Do you know anyone who does not take a vaccine because of religious or cultural reasons?</p> <p>Do you think they are risking their health or the health of their child? The community?</p>	<p><b>e. Politics/policies (Mandates)</b></p> <p>Do you trust that your government is making decisions in your best interest with respect to what vaccines are provided?</p> <p>Do you think vaccines should be compulsory?</p>	<p><b>f. Geographic barriers</b></p> <p>If you have to spend more than one hour getting a vaccine, are you willing to take the time you think it is an important vaccine?</p> <p>What is the maximum amount of time you would be willing to spend to get a vaccine that you want for yourself or your child(ren)?</p>	<p><b>g. Pharmaceutical industry</b></p> <p>Do you trust the motives of pharmaceutical industry?</p> <p>Do you believe that drug companies have your and your children's best health interests at heart?</p>
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<p><u>INDIVIDUAL and GROUP INFLUENCES</u> Influences arising from personal perception of the vaccine or influences of the social/peer environment</p>	<p><b>a. Experience with past vaccination</b></p> <p>Do you have any experience of not getting vaccination for your child? why?</p> <p>Do you know anyone who has had a serious reaction to a vaccine?</p> <p>Do you know anyone who has had a serious reaction to a vaccine?</p> <p>Do you know anyone who has a child who has had a serious vaccine preventable disease because they were not vaccinated?</p>	<p><b>b. Beliefs, attitudes about health and prevention</b></p> <p>Do you believe that there are other (better) ways to prevent vaccine preventable diseases than with a vaccine?</p> <p>Do you think vaccines strengthen the immune system?</p> <p>Do you think it is possible to have too many vaccines?</p>	<p><b>c. Knowledge/awareness</b></p> <p>Do you feel that you know which vaccines you should get for yourself? your child(ren)?</p> <p>Have you heard about the HPV vaccine?</p> <p>Do you think the polio vaccine is still needed?</p> <p>Do you understand how vaccines work?</p> <p>Have you ever felt confused about number/scheduling of vaccines?</p>	<p><b>d. Health system and providers-trust and personal experience.</b></p> <p>Are you satisfied with the HCW' s answers for your questions related on immunization?</p> <p>Do you trust your health care provider to honestly tell you about the risks and benefits of vaccines? And, about the risks of vaccine preventable disease for you and your children?</p> <p>Do you trust the vaccine advice your main health care provider gives you?</p> <p>Do you believe your health care provider has your and your children's best health interests at heart?</p>	<p><b>e. Risk/benefit (perceived, heuristic)</b></p> <p>Which vaccine(s), if any, do you think are important for you? For your child(ren)? For your community?</p> <p>Do you believe vaccine preventable diseases can be serious? Which one(s)?</p> <p>Are you concerned about any risk with vaccines? What kind of risks?</p> <p>Do you think that vaccine benefits, in general, are larger than their risks?</p> <p>Do you consider other activities (going to market, work, etc.) more important than getting a vaccine? Or, taking your child for vaccination?</p> <p>Do you believe vaccines are safe for yourself? Your child/children? For those in your community?</p>	<p><b>f. Immunisation as a social norm vs. not needed/harmful</b></p> <p>Do you think it is important for everyone to get recommended vaccines for themselves and their children?</p> <p>Did you feel social pressure to get the vaccine?</p> <p>Do most people you know are being vaccinated / are getting their children vaccinated?</p>

<u>VACCINE/ VACCINATION - specific issues</u>	<b>a. Risk/ Benefit (scientific evidence)</b>	<b>b. Introduction of a new vaccine or new formulation</b>	<b>c. Mode of administration</b>	<b>d. Design of vaccination program/Mode of delivery</b>	<b>e. Reliability and/or source of vaccine suppl</b>	<b>f. Vaccination schedule</b>	<b>g. Costs</b>	<b>h.Role of healthcare professionals</b>
Directly related to vaccine or vaccination	Do you think there is adequate safety information?	When a new vaccine is introduced, do you want to be the first to get it?	Do you prefer a vaccine that is injected, taken orally, or with a nasal spray?	Is access to immunization easy? Convenient in location? Is the process of being immunized welcoming?	Do you feel confident that the health center or doctors office will have the vaccine you need, when you need them?	Do you think it is possible to have too many vaccines?  Is it better for a child to have multiple vaccines in one shot with fewer injections or to have individual vaccines?	Would the cost of a vaccine prevent you from getting it, even if you felt you or your child needed it?	Did a healthcare professional recommend that you receive a vaccine
	As far as you know are side effects or adverse reactions kept track of in your country?	Would you rather wait and see what other people do?	Is there any mode of vaccination you would <u>not</u> want?	What are the barriers for receiving vaccine(s) on time for you? For your child(ren)?				
	How confident are you in the system for tracking adverse reactions or side effects to vaccinations in your country?	What is the first thing you want to know when a new vaccine is introduced or announced?						
		Do you think that newer vaccines are as safe as older vaccines?						