Table C. Aggregation topics into determinants concepts

Topic Number	Short Label of Determinants	Description of Determinants	Access	Affordability	Awareness	Acceptance	Activation	Assurance
1	Fear caused by the increased number of deaths after vaccination	Increased deaths after vaccination and a lot of side effects			х			
2	Weak access to the immunization	Unsuitable methods and approaches that have been used to access vaccination uptake; e.g. lack of departure vaccination points or unsuccessful prioritization of vaccinations.	x					
3	Mistrust of vaccination	Mistrust of vaccination associated with severe effects and mortality after vaccination.				х		
4	Organization of the vaccination process - problems with planning and long queues	Lack of information and poor organization of vaccination, problems with planning and long queues.	х					
5	Insufficient knowledge	Insufficient knowledge about the necessity of vaccines in the population causing declining interest in vaccination.				х		
6	Discrimination against people, who are not vaccinated	Discrimination against people, who are not vaccinated e.g. at the workplace or in social life						Assurance
7	Lack of openness and transparency policy	Lack of detailed and uniform information on the government side, which caused low awareness of citizens in terms of e.g. safety and side effects of the vaccine.			x			
8	Lack of clear rules for the vaccination procedure	The desire of people from risk groups to get vaccinated.	Х	х				
9	The idea of compulsory vaccination	Discussions about pros and cons of compulsory vaccination and encouragement of vaccination.					х	
10	Detailed knowledge about the effectiveness of vaccines	Lack of reliable and indepth knowledge about the effectiveness of vaccines.			x			
11	Lack of insurance for the severe vaccine adverse reactions	Lack of insurance for the severe vaccine adverse reactions.						Assurance
12	Lottery and covid certificates	Creating incentives for vaccination as an indirect vaccination benefit, e.g. lottery and covid certificates.					х	
13	Mobile home vaccination teams	The organisation of the vaccination process - the need for mobile home	Х	х				

		Lucacination tooms	Т	Т	Т	Т		
		vaccination teams.						
	Assistance with	Need to create social						
	registration and	assistance groups for						
14	getting to the	seniors, e.g. bring them to	Х	Х				
14  15  16  17  18  19  20  21  22  23  24  25	vaccination points	the car, help to get through,						
	vaccination points	register for vaccination.						
	Law avalles of	Low quality of shared						
15	Low quality of	statistical data posted on			x			
	statistical data	the government portal.						
1.0	Delays in vaccine	Deleveries consiste deliveries						
16	deliveries	Delays in vaccine deliveries	Х					
	Lack of relevant							
17	information Covid-	Low awareness about			x			
	19 mutations	Covid-19 mutations.						
	Direct (or telephone)	The need for direct (or			1	1		
18	contact with seniors	telephone) contact with					x	
	for vaccination	seniors for vaccination.						
		The need to collect data on	<u> </u>	†	1	1	1	
	The need to collect	vaccine side effects and						
19	and study data on	investigate them to			х			
13	vaccine side effects	guarantee vaccination			^			
	vaccine side ejjects	safety to the population.						
	Extended	Lack of reliable and in-	<del>                                     </del>	+	+	+	+	+
20	information about	depth knowledge about the			x			
	vaccines -	production process.						
	production							
	The need for	The need for preliminary						
	preliminary medical	medical tests before						
21	tests before	vaccination in order to						Assurance
	vaccination	reduce the negative					,	
	vaccination	consequences.						
		Problems with scheduling						
22	Vaccinations	vaccinations and queues	v					
22	scheduling issues	(people do not want	Х					
		AstraZeneka).						
	Partially disabled	Organization of						
23	*	vaccinations for partially	х					
	people vaccinations	disabled citizens.						
	Maraina la viatia	Logistic issues of moving						
15 16 17 18 19 20 21 22 23 24 25 26 27 28	Vaccine logistic	vaccines between	Х					
	issues	vaccination points.						
	Incentive measures	Development of incentive						
14  15  16  17  18  19  20  21  22  23  24  25  26  27  28	for people	measures for vaccination,						
	engagement to	e.g. discounts on Uber					Х	
	vaccination	travel in two directions.						
	Lack of	Unsuitable advertising and						
26	contextualization	lack of contextualization					x	
	advertising	advertising policy.						
	Lack of trust in the	Lack of trust in the vaccine		1		1	1	
27	vaccine due to the	due to the short testing				x		
	short testing period	period.						
	Low awareness of	Low awareness and	<u> </u>	†	1	1	1	
28	people of rural and	consciousness of people of			×			
-	remote areas	rural and remote areas.						
		Lack of significant		<del>                                     </del>	†	<del>                                     </del>	<del>                                     </del>	
	Fear of health risks	arguments regarding the						
29	vs. usefulness of	risks and benefits of			х			
	vaccination	vaccination.						
			-	+	+	+	+	+
	Parks mandinal			•	i	i	1	ı
20	Fake medical news	The difficulty of controlling						
30	Fake medical news and disinformation on Covid-19 vaccines	fake medical and political news that negatively affects				x		

		people and decreases vaccine acceptance.					
31	Fearing about long- term effects after vaccination	Adverse vaccine reactions and mortality among vaccinated people.		х	х		
32	Volatility and inconsistency of information	Constantly changing information harms awareness of safety and the need for vaccination.		х			
33	Lack of awareness about vaccine adverse reactions	Lack of awareness about vaccine adverse reactions.		х			