

Appendix II

Frequency Tables

Remark: As not all respondents responded to every question, the sample base for each question varies. The number of respondents who refused to answer a specific question is shown as “missing” values.

Getting Influenza Vaccine**Table 3** [Q1] Did you get influenza vaccine in the past year? [Choose only one option]

	Frequency	Percentage (Base=1,013)
Yes	142	14.0%
No	867	85.6%
Don't know / hard to say	4	0.4%
Total	1,013	100.0%

Table 4 [Q2] [Only for those who answered "no" in Q1, base = 867] Why didn't you get influenza vaccine? [Answers not read out, multiple answers allowed]

	Frequency	Percentage of responses (Base=916)	Percentage of sample (Base=860)
In good health condition, not afraid of getting influenza	339	37.0%	39.4%
No such habit / never thought of / not necessary	159	17.3%	18.5%
Influenza is not a serious illness, not necessary to get vaccinated	78	8.6%	9.1%
Worried about the side effects	68	7.5%	8.0%
Expensive / money concern	35	3.8%	4.0%
Doubt the effectiveness of vaccination	33	3.6%	3.8%
No time / too busy	30	3.2%	3.5%
Not aware of the campaign / don't know where to get vaccinated	29	3.2%	3.4%
Family / friend's health worsened after vaccination	15	1.6%	1.7%
Family / family doctor recommend me not to get vaccinated	13	1.4%	1.5%
Afraid of vaccination	10	1.1%	1.2%
Do not belong to the group in need of vaccination	7	0.8%	0.8%
Work as health care workers, no need to be vaccinated	6	0.6%	0.7%
Others (please see below)	24	2.6%	2.7%
Don't know / hard to say	71	7.7%	8.2%
Total	916	100.0%	
Missing	8		

<i>Other responses that cannot be grouped</i>			
Have taken vaccination before	3	0.3%	0.3%
Needs vaccination	2	0.2%	0.2%
Do not know much about the vaccination	2	0.2%	0.2%
Did not go to the doctor so did not take vaccine	2	0.2%	0.3%
Old	2	0.2%	0.2%
Came to Hong Kong only in 1991	1	0.1%	0.1%
Has booked for vaccination next month	1	0.1%	0.1%
Not in Hong Kong	1	0.1%	0.1%
Reaction	1	0.1%	0.1%
No one recommended me to get vaccination	1	0.1%	0.1%
Have taken the vaccine before because of job needs, do not need now after resignation	1	0.1%	0.1%
Can take medicine	1	0.1%	0.1%
Medical reaction	1	0.1%	0.1%
Do more exercises	1	0.1%	0.1%
No outbreak of influenza	1	0.1%	0.1%
Chronic illness patient, no one take me to get vaccination	1	0.1%	0.1%
Have not taken vaccination for a long time	1	0.1%	0.1%
Home environment clean enough	1	0.1%	0.1%
Will get vaccination after a trip	1	0.1%	0.1%
Had influenza just before trying to get the vaccination	1	0.1%	0.1%
Will exercise more to get better health	1	0.1%	0.1%
Avoid going to the clinic in order to reduce the chance of getting infected	1	0.1%	0.1%
Sub-total	24	2.6%	2.7%

Table 5 [Q3] [Only for those who answered “yes” in Q1, base = 142] Why did you get influenza vaccine? Answers not read out, multiple answers allowed]

	Frequency	Percentage of responses (Base=156)	Percentage of sample (Base=139)
Poor health condition / chronic patients, afraid of getting influenza	44	28.2%	31.7%
Family members or family doctor advised	35	22.5%	25.3%
Aged 65 years or above	27	17.1%	19.1%
Self-protection and prevention	19	12.2%	13.7%
Occupational needs (e.g. pig farmer)	11	7.1%	8.0%
Government subsidized	5	3.1%	3.5%
Have children / elderly at home, afraid that children / elderly will get infected by me	2	1.6%	1.8%
Aged 50 or above, high risk of getting influenza	2	1.3%	1.4%
Work in the medical field	1	0.4%	0.4%
Others (please see below)	7	4.4%	4.9%
Don't know / hard to say	3	2.1%	2.4%
	Total	156	100.0%
	<i>Missing</i>	2	
<i>Other responses that cannot be grouped</i>			
Saw Government promotion	1	0.9%	1.0%
Got infected already	1	0.7%	0.8%
Saw TV promotion	1	0.5%	0.6%
Convenient	1	0.5%	0.5%
Health care center	1	0.5%	0.5%
Heard from others	1	0.5%	0.5%
Introduced by institution	1	0.5%	0.5%
Believe it is necessary	1	0.4%	0.4%
	Sub-total	7	4.4%

Table 6 [Q4] [Only for those who answered “yes” in Q1, base = 142] Was the previous influenza vaccines you got subsidized by the Government? [Choose only one option]

	Frequency	Percentage (Base=142)
Yes	82	57.8%
No	54	38.0%
Don't know / hard to say	6	4.2%
	Total	142
		100.0%

Knowledge of Influenza Vaccine**Table 7** [Q5] Do you know which months in a year are the peaks of influenza? [Answers read, choose only one option]

	Frequency	Percentage (Base=1,012)
December to March [Correct answer]	583	57.6%
April to July	104	10.3%
August to November	209	20.6%
Don't know	116	11.5%
Total	1,012	100.0%
Missing	1	

Table 8 [Q6] Then do you know how long influenza vaccination usually takes to produce immunity? [Answers not read out, choose only one option]

	Frequency	Percentage (Base=1,013)
Within the vaccination day	23	2.3%
After one to two days	43	4.3%
After three to six days	75	7.4%
After one to two weeks	212	20.9%
After two to four weeks [Correct answer]	73	7.2%
After one month or above	162	16.0%
Don't know	424	41.9%
Total	1,013	100.0%

Knowledge of Influenza Prevention**Table 9** [Q7] Do you know which of the following symptoms would appear on the first day when influenza occurs? [Interviewer to read out items 1 to 6, order randomized by computer, multiple answers allowed.]

	Frequency	Percentage of responses (Base=3,361)	Percentage of sample (Base=1,011)
Fever [Read out, correct answer]	710	21.1%	70.2%
Bone ache all over the body [Read out, correct answer]	655	19.5%	64.7%
Fatigue [Read out, correct answer]	593	17.6%	58.6%
Headache [Read out, correct answer]	560	16.7%	55.3%
Cough [Read out, incorrect answer]	537	16.0%	53.1%
Diarrhea [Read out, incorrect answer]	186	5.5%	18.3%
Running nose	30	0.9%	3.0%
Sore throat	13	0.4%	1.2%
Algidity	5	0.2%	0.5%
Lost of appetite	3	0.1%	0.3%
None of the above	27	0.8%	2.7%
Others (Please see below)	11	0.3%	1.1%
Don't know	32	1.0%	3.2%
	Total	3,361	100.0%
	Missing	2	
<i>Other responses that cannot be grouped</i>			
Wet nose	3	0.1%	0.3%
Cold symptom	2	0.1%	0.2%
Allergy	1	0.0%	0.1%
Itchiness of the wound	1	0.0%	0.1%
Skin allergy	1	0.0%	0.1%
Sneeze	1	0.0%	0.1%
Stuffy nose, dizziness	1	0.0%	0.1%
Vomit	1	0.0%	0.1%
	Sub-total	11	0.3%

Table 10 [Q8] As far as you know, which of the followings is / are effective measure(s) to protect one from getting infected of influenza virus? [Interviewer to read out items 1-6, order randomized by the computer, multiple answers allowed]

	Frequency	Percentage of responses (Base=4,511)	Percentage of sample (Base=1,013)
Avoid going to public places which are crowded and with poor ventilation during influenza peak seasons [Read out answer]	862	19.1%	85.1%
Maintain good indoor ventilations [Read out answer]	826	18.3%	81.5%
Wash hands thoroughly after sneezing or coughing [Read out answer]	762	16.9%	75.3%
Use liquid soap and clean water to wash hands [Read out answer]	757	16.8%	74.7%
Get seasonal influenza vaccine [Read out, correct answer]	693	15.4%	68.4%
Take in more Vitamin C [Read out answer]	527	11.7%	52.0%
Do more exercises	17	0.4%	1.7%
Wear a mask when sick	14	0.3%	1.4%
Rest more	11	0.2%	1.1%
Watch your diet	5	0.1%	0.5%
Drink more water	3	0.1%	0.3%
Wear more clothes	3	0.1%	0.3%
Maintain cleanliness	3	0.1%	0.3%
None of the above	23	0.5%	2.3%
Others (Please see below)	5	0.1%	0.5%
Don't know / hard to say	2	0.0%	0.2%
Total	4,511	100.0%	
<i>Other responses that cannot be grouped</i>			
Watch out personal hygiene	1	0.0%	0.1%
Go to the doctor	1	0.0%	0.1%
Strengthen immunity	1	0.0%	0.1%
Strengthen physical quality	1	0.0%	0.1%
Sub-total	5	0.1%	0.5%

Table 11 [Q9] Do you know from January to July this year, how many Intensive Care Unit cases and deaths are resulted from influenza in Hong Kong (Please include adults and children)? [Answers not read out, choose only one option]

	Frequency	Percentage (Base=1,013)
Less than 100 cases	259	25.6%
101 – 200 cases	84	8.2%
201 – 300 cases	28	2.8%
More than 300 cases [Correct answer]	34	3.4%
Don't know	608	60.0%
Total	1,013	100.0%

Table 12 [Q10] Have you ever heard of “community immunity”? [Choose only one option]

	Frequency	Percentage (Base=1,013)
Yes	159	15.7%
No	815	80.5%
Don't know / hard to say	39	3.8%
Total	1,013	100.0%

About Government Initiatives on Influenza Vaccination**Table 13** [Q11] Do you know which groups of people are recommended to get influenza vaccine by the Government? [Answers not read out, multiple answers allowed]

	Frequency	Percentage of responses (Base=2,076)	Percentage of sample (Base=1,013)
Elderly aged 65 years or above	742	35.7%	73.2%
Children (no specific age)	336	16.2%	33.2%
Primary school pupils aged 6-12 years	178	8.6%	17.6%
Elderly aged 60 years or above	33	1.6%	3.2%
Individuals in poor health condition	9	0.4%	0.9%
Individuals aged below 18 years	8	0.4%	0.8%
Adults aged 18 years or above	8	0.4%	0.7%
All citizens	7	0.3%	0.7%
Individuals in need	4	0.2%	0.4%
Children aged 6 months till 6 years [Correct answer]	352	16.9%	34.7%
Individuals aged 50 years or above [Correct answer]	114	5.5%	11.2%
Patients with chronic medical problem(s) [Correct answer]	83	4.0%	8.2%
Pregnant women [Correct answer]	36	1.7%	3.5%
Health care workers [Correct answer]	33	1.6%	3.3%
Obese individuals (BMI over 30) [Correct answer]	3	0.1%	0.3%
Others (Please see below)	8	0.4%	0.8%
Don't know / hard to say	124	6.0%	12.2%
Total	2,076	100.0%	
<i>Other responses that cannot be grouped</i>			
High risk individuals	3	0.1%	0.3%
Frequent travelers	1	0.1%	0.1%
Individuals on medication	1	0.0%	0.1%
Intellectuals	1	0.0%	0.1%
Mentally disabled / retarded individuals	1	0.0%	0.1%
Low income earning individuals	1	0.0%	0.1%
Students (no specific age)	1	0.0%	0.1%
Sub-total	8	0.4%	0.8%

Table 14 [Q12] Then which groups of people do you think the Government should provide subsidies for influenza vaccination? [Answers not read out, multiple answers allowed]

	Frequency	Percentage of responses (Base=2,039)	Percentage of sample (Base=1,013)
Elderly aged 65 years or above	639	31.3%	63.1%
Children aged 6 months till 6 years	313	15.3%	30.9%
Low income earning individuals	263	12.9%	26.0%
Primary school pupils aged 6-12 years	241	11.8%	23.8%
All citizens	108	5.3%	10.6%
Individuals aged 50 years or above	105	5.1%	10.4%
Patients with chronic medical problem(s)	69	3.4%	6.8%
High risk individuals	66	3.2%	6.5%
Children (no specific age)	30	1.5%	3.0%
Pregnant women	29	1.4%	2.8%
Health care workers	25	1.2%	2.5%
Elderly aged 60 years or above	22	1.1%	2.2%
Students (no specific age)	14	0.7%	1.3%
Domestic helpers	12	0.6%	1.2%
Parents	11	0.6%	1.1%
Individuals in need	10	0.5%	1.0%
Obese individuals (BMI over 30)	9	0.5%	0.9%
Physical disabled individuals	9	0.4%	0.9%
Adults aged 18 years or above	6	0.3%	0.6%
Individuals in poor health condition	5	0.2%	0.5%
Not necessary	3	0.2%	0.3%
Others (Please see below)	9	0.4%	0.9%
Don't know / hard to say	40	2.0%	3.9%
	Total	2,039	100.0%
Other responses that cannot be grouped			
Children aged 0-1 year old, individuals aged 55 years or above	2	0.1%	0.2%
Middle class citizens	2	0.1%	0.2%
People in vulnerability	1	0.0%	0.1%
Patients	1	0.1%	0.1%
Retirees	1	0.0%	0.1%
Animal caregivers	1	0.0%	0.1%
Individuals who have frequent contacts with others	1	0.0%	0.1%
Office workers	1	0.0%	0.1%
	Sub-total	9	0.4%

Table 15 [Q13] Do you think the Government's promotions on influenza vaccination are adequate? [Choose only one option, interviewer to probe the intensity]

	Frequency	Percentage (Base=1,013)
Very adequate	69	6.8%
Quite adequate	379	37.5%
Half-half	205	20.2%
Quite inadequate / not quite adequate	223	22.0%
Very inadequate	61	6.1%
Don't know / hard to say	75	7.4%
Total	1,013	100.0%

Table 16 [Q14] Lastly, what do you think the Government should do to encourage more citizens to get influenza vaccine? [Answers not read out, multiple answers allowed]

	Frequency	Percentage of responses (Base=1,467)	Percentage of sample (Base=1,013)
Increase propaganda on influenza vaccine	440	30.0%	43.7%
Subsidize all citizens to get vaccination	240	16.4%	23.8%
More promotion on the concept of "prevention is better than treatment"	143	9.8%	14.2%
Wider range of coverage for influenza vaccination subsidy (cover all high risk groups)	114	7.8%	11.3%
Enhance public education on influenza	113	7.7%	11.2%
Increase the amount of subsidy on influenza vaccination	83	5.7%	8.3%
Healthcare professionals to promote and explain more to patients on the advantages of getting vaccinated	61	4.2%	6.1%
More promotion on the concept of "community immunity"	59	4.0%	5.9%
Having more convenient injection places	25	1.7%	2.5%
Publicize the number of influenza patients	4	0.3%	0.4%
No need to reinforce	62	4.2%	6.2%
Others (Please see below)	23	1.6%	2.3%
Don't know / hard to say	97	6.6%	9.7%
Total	1,467	100.0%	

<i>Other responses that cannot be grouped</i>			
Force vaccination	4	0.2%	0.4%
Give out cash incentives after vaccination	2	0.2%	0.2%
Hope the Government can explain to the company about the side effects of the vaccine and provide sick leave to those who have side effects after	2	0.2%	0.2%
Employers to subsidize employees for vaccination and promote more about influenza vaccination on the internet	2	0.1%	0.1%
Care for the elderly first	1	0.1%	0.1%
Reduce its side effects	1	0.1%	0.1%
Legislation to force citizens to get vaccination	1	0.1%	0.1%
Do not encourage vaccination	1	0.1%	0.1%
Force all children to get vaccinated	1	0.1%	0.1%
Demanded by employers	1	0.1%	0.1%
Community / district councilors help to vaccinate	1	0.1%	0.1%
Explain more on the fees of vaccination	1	0.1%	0.1%
Free gifts are given upon vaccination	1	0.0%	0.1%
Strengthen community health surveillance, notify people with high risk to get vaccination under heavy air pollution situation	1	0.0%	0.1%
Send letters	1	0.0%	0.1%
Believes that the government should not encourage people to get vaccinated	1	0.0%	0.1%
Provide vaccination to citizens getting CSSA	1	0.0%	0.1%
Allocate more resources	1	0.0%	0.1%
Arrange citizens to get vaccination according to their year of birth	1	0.0%	0.1%
Government to guarantee all vaccinations are effective	1	0.0%	0.1%
Sub-total	23	1.6%	2.3%