

Supplement A. General health checkup questionnaire

※ Examinees must complete the questionnaire to receive the results of the cardiovascular disease risk assessment.

Last Name		Residential ID No.		Telephone	Home	
Given Name			Mobile phone			
Current address				E-mail		
				How to receive a health checkup report		<input type="checkbox"/> Post

※ Please answer all the questions below.



Medical history (disease history, family history)

1. Have you ever been diagnosed by a doctor with any of the following diseases or are you currently taking any medication?

	Diagnosis		Medication therapy	
	Yes	No	Yes	No
Brain stroke (paralysis)	Yes	No	Yes	No
Cardiac infarction/angina	Yes	No	Yes	No
High blood pressure	Yes	No	Yes	No
Diabetes	Yes	No	Yes	No
Dyslipidemia	Yes	No	Yes	No
Tuberculosis	Yes	No	Yes	No
Others (including cancer)	Yes	No	Yes	No

2. Has anyone in your family died from or gotten any of the following diseases?

	Yes	No
Brain stroke (paralysis)	Yes	No
Cardiac infarction/angina	Yes	No
High blood pressure	Yes	No
Diabetes	Yes	No
Others (including cancer)	Yes	No

3. Are you a Hepatitis B virus antigen carrier?

- ① Yes ② No ③ No idea



Smoking and e-cigarettes (vaping)

4. Have you ever smoked more than 5 packs of cigarettes (100 cigarettes) in your lifetime?

- ① No. (☞ Go to Question 5)
 ② Yes. (☞ Go to Question 4-1)

4-1. Do you smoke cigarettes now?

① I do	A total of ___ years	An average of ___ cigarettes a day
② I used to but not anymore	A total of ___ years	Used to smoke ___ cigarettes a day on average since I quit

5. Have you ever smoked an electronic cigarette (e.g., IQOS, Glo, or Lil)?

- ① No. (☞ Go to Question 6)
 ② Yes. (☞ Go to Question 5-1)

5-1. Do you smoke electronic cigarettes now?

① I do	A total of ___ years	An average of ___ cigarettes a day
② I used to but not anymore	A total of ___ years	Used to smoke ___ cigarettes a day on average since I quit

6. Have you ever used a liquid electronic cigarette?

- ① Yes. (☞ Go to Question 6-1)
 ② No.

6-1. Have you used a liquid electronic cigarette in the last month?

- ① No ② 1 to 2 days per month ③ 3 to 9 days per month
 ④ 10 to 29 days per month ⑤ Every day



Drinking

※ In the past one year

7. How often do you have drinks containing alcohol? (Select one)

- ① () times per week ② () times per month
 ③ () times per year ④ I don't drink alcohol.

7-1. How many drinks containing alcohol do you have on a typical day when you are drinking?

*Choose one among the glass, bottle, can, or cc (you can choose more than one for liquor types; choose a similar type for other liquor types that are not indicated)

Type of liquor	Glass	Bottle	Can	cc
Soju				
Beer				
Hard liquor				
Makgeolli (rice wine)				
Wine				

7-2. What is the largest amount of drinks containing alcohol that you have ever had in one day?

*Choose one among the glass, bottle, can, or cc (you can choose more than one for liquor types, choose a similar type for other liquor types that are not indicated)

Type of liquor	Glass	Bottle	Can	cc
Soju				
Beer				
Hard liquor				
Makgeolli (rice wine)				
Wine				



Exercising

8-1. How often do you do high intensity exercise (making you short of breath) per week?

() days per week

*Examples of high intensity exercise> Running, aerobics, fast bicycling, construction labor, carrying items using stairs, etc.

8-2. How long do you do high intensity exercise (making you short of breath) per day?

() hours () minutes per day

9-1. How often do you do moderate intensity exercise (making you slightly short of breath) per week?

() days per week

*Exclude exercise you have already written in Question 8

*Examples of moderate intensity exercise> Power walking, doubles tennis games, cycling at normal speed, carrying light items, cleaning, etc.

9-2. How long do you do moderate intensity exercise (making you slightly short of breath) per day?

() hours () minutes per day

10. How many days did you do weight training such as push-ups, sit-ups, dumbbell exercises, weight lifting, or horizontal bar exercise in the last one week?

() days per week

Supplement B. Result of item analysis

Group	Entity	Value	Data type			
Medical history	Disease history	Diagnosis	History of brain stroke: Yes	Single check		
			History of brain stroke: No	Single check		
			History of cardiac infarction/angina: Yes	Single check		
			History of cardiac infarction/angina: No	Single check		
			History of high blood pressure: Yes	Single check		
			History of high blood pressure: No	Single check		
			History of diabetes: Yes	Single check		
			History of diabetes: No	Single check		
			History of dyslipidemia: Yes	Single check		
			History of dyslipidemia: No	Single check		
			History of tuberculosis: Yes	Single check		
			History of tuberculosis: No	Single check		
			History of others (including cancer): Yes	Single check		
			History of others (including cancer): No	Single check		
			Medication		Current medication status - brain stroke: Yes	Single check
					Current medication status - brain stroke: No	Single check
					Current medication status - cardiac infarction/angina: Yes	Single check
					Current medication status - cardiac infarction/angina: No	Single check
	Current medication status - high blood pressure: Yes	Single check				
	Current medication status - high blood pressure: No	Single check				
	Current medication status - diabetes: Yes	Single check				
	Current medication status - diabetes: No	Single check				
	Current medication status - dyslipidemia: Yes	Single check				
	Current medication status - dyslipidemia: No	Single check				
	Current medication status - tuberculosis: Yes	Single check				
	Current medication status - tuberculosis: No	Single check				
	Current medication status - others (including cancer): Yes	Single check				
	Current medication status - others (including cancer): No	Single check				
	Family history	Diagnosis			Family history of brain stroke: Yes	Single check
					Family history of brain stroke: No	Single check
					Family history of cardiac infarction/angina: Yes	Single check
					Family history of cardiac infarction/angina: No	Single check
			Family history of high blood pressure: Yes	Single check		
			Family history of high blood pressure: No	Single check		
			Family history of diabetes: Yes	Single check		
			Family history of diabetes: No	Single check		
Family history of others (including cancer): Yes			Single check			
Family history of others (including cancer): No			Single check			
B virus antigen carrier				B virus antigen carrier: Yes	Single check	
				B virus antigen carrier: No	Single check	
				B virus antigen carrier: No idea	Single check	

Supplement B. Continued

Group	Entity	Value	Data type	
Smoking and e-cigarettes	Cigarette	Experience	Yes	Single check
			No	Single check
	Current status	Yes	Single check	
		No	Single check	
	Duration (Current smoker)	-	Numeric value	
	Amount (Current smoker)	-	Numeric value	
	Duration (Ex-smoker)	-	Numeric value	
	Amount(Ex-smoker)	-	Numeric value	
	Cessation period	-	Single check	
	Heated tobacco product	Experience	Yes	Single check
			No	Single check
		Current status	Yes	Single check
			No	Single check
		Duration (Current smoker)	-	Numeric value
		Amount (Current smoker)	-	Numeric value
		Duration (Ex-smoker)	-	Numeric value
		Amount (Ex-smoker)	-	Numeric value
		Cessation period	-	Numeric value
		Liquid electronic cigarette	Experience	Yes
	No			Single check
Current status	No		Single check	
	Frequency		1 to 2 days per month	Single check
			3 to 9 days per month	Single check
			10 to 29 days per month	Single check
	Every day	Single check		
Drinking	Current status	I don't drink alcohol	Single check	
		Frequency	(per week)	-
		(per month)	-	Numeric value
		(per year)	-	Numeric value
	Amount	Typical	-	Numeric value
Largest		-	Numeric value	
Exercising	High intensity exercise	Frequency	-	Numeric value
		Time	-	Numeric value
	Moderate intensity exercise	Frequency	-	Numeric value
		Time	-	Numeric value
	Weight training	Frequency	-	Numeric value