

**Supplementary Material 1.** Questionnaire for survey conducted in 2018

Sex:

Age:

**I. The following are questions about the awareness of implementing CPR.**

1. Is there any family member suffering from heart diseases? (Angina, myocardial infarction, other cardiac disorders, cardiac surgery/procedure done)
  - (a) Yes
  - (b) No
  
2. Have you ever heard of any heart attack victim surviving after CPR via newspaper, television, radio, or other mass media?
  - (a) Yes
  - (b) No
  
3. Do you know how to perform CPR?
  - (a) Yes (☞ Go to question 4)
  - (b) No (☞ Go to question 5)
  
4. What form of CPR do you know?
  - (a) Compression-only CPR
  - (b) Traditional CPR with mouth-to-mouth breathing
  
5. In the following video, do you think this patient requires CPR?
  - (a) Yes
  - (b) No
  - (c) I have no idea
  
6. Where is the correct site of the chest compression?
  - (a)–(e) [shown in pictures]
  - (f) I have no idea
  
7. What is the correct chest compression rate per minute during CPR?
  - (a) 60–80
  - (b) 80–100
  - (c) 100–120
  - (d) 120–140
  - (e) I have no idea
  
8. What is the correct chest compression depth during CPR in adult?
  - (a) 1–2 cm
  - (b) 3–4 cm
  - (c) 5–6 cm
  - (d) 7–8 cm
  - (e) I have no idea



9. Do you have confidence in performing CPR?

- (a) Very confident
- (b) Confident
- (c) Somewhat confident
- (d) Not very confident
- (e) Not at all confident

10. Are you willing to perform CPR for patients in cardiac arrest?

- (a) No (☞ Go to question 11)
- (b) Only for family and close friends (☞ Go to question 11)
- (c) Yes, for anyone (☞ Go to question 12)

11. If you do not willing to perform CPR, specify the reason. (You can choose more than one.)

- (a) I don't know how
- (b) Fear of harming the victim
- (c) I'm not interested in CPR
- (d) Fear of legal responsibilities
- (e) I'm against CPR by nonmedical personnel
- (f) I'm not physically fit to perform CPR
- (g) Fear of personal hygiene
- (h) Other (                    )

12. Do you know the Good Samaritan Law?

- (a) Yes
- (b) No

13. If there is a service providing the location of a victim in cardiac arrest near you via text message, will you run to the location and provide bystander CPR?

- (a) Yes
- (b) No

## II. The following are questions about "dispatcher-assisted CPR."

14. Do you know about "dispatcher-assisted CPR," in which you can call 119 when a cardiac arrest occurred?

- (a) Yes
- (b) No

15. Will you follow the CPR instructions given by dispatcher agents?

- (a) I won't perform CPR
- (b) Yes, I will follow the instructions
- (c) I will perform CPR by myself

### III. The following are questions about AEDs.

16. Have you ever heard of an external automated defibrillator (AED)? If so, where did you hear about them?
- (a) TV
  - (b) Radio
  - (c) Newspaper or magazine
  - (d) Internet
  - (e) Movie
  - (f) CPR education
  - (g) Other: please specify (                    )
  - (h) I've never heard of AEDs
17. Have you ever seen AEDs installed in a public place?
- (a) I have seen AEDs in a public place
  - (b) I have seen AEDs in my neighborhood
  - (c) I have never seen AEDs in a public place
18. Do you know how to use an AED?
- (a) Yes
  - (b) No
19. Suppose you witness someone having a sudden heart attack. What do you think is the first thing you should do after bringing an AED to the patient?
- (a) Put the pad on the patient
  - (b) Press the shock button
  - (c) Put the pad on the AED
  - (d) Turn on the AED
20. Before pressing the shock button, where do you think you should apply the pad to the patient, among the following places?
- (a)–(d) [shown in pictures]
  - (e) I have no idea
21. If you come across a cardiac arrest victim and locate an AED nearby, will you use it?
- (a) No (☞ Go to question 22)
  - (b) Yes (☞ Go to question 23)
22. If you do not wish to use an AED, specify the reason. (You can choose more than one.)
- (a) I don't know how
  - (b) Fear of harming the victim
  - (c) I'm not interested in AEDs
  - (d) Fear of legal responsibilities
  - (e) I'm against any defibrillation by nonmedical personnel
  - (f) Other (                    )

23. Who do you think can use an AED?

- (a) Only medical professionals
- (b) Only nonmedical personnel
- (c) Only the patient's guardian
- (d) Only people educated in the use of an AED
- (e) Anyone
- (f) I have no idea

**IV. The following are questions about the awareness of CPR education.**

24. Do you have any CPR education experience? If so, what type of education did you receive?

- (a) Only theory education (☞ Go to question 24-1)
- (b) Both theory and practical education (☞ Go to question 24-1)
- (c) I've received no CPR education (☞ Go to question dq1)

24-1. How many times have you received CPR education?

- (a) Once
- (b) Twice
- (c) Three times
- (d) Four times or more

24-2. When was your latest CPR education?

- (a) Within the past 6 months
- (b) 6 months to 1 year ago
- (c) 1-2 years ago
- (d) 2-5 years ago
- (e) More than 5 years ago

24-3 Name any institution where you have received CPR education. (You can choose more than one.)

- (a) Hospital
- (b) Korean Association of Cardiopulmonary Resuscitation
- (c) Fire department
- (d) School
- (e) Military
- (f) Workplace
- (g) Red Cross
- (h) Public health center
- (i) Daegu Metropolitan City Hall
- (j) Other (                    )

24-4. Was mouth-to-mouth breathing included in your CPR education?

- (a) Yes (traditional CPR education)
- (b) No (only chest compression)
- (c) I don't remember

V. The following are questions about AED training.

25. Did your CPR education include AED training?

- (a) Yes (☞ Go to question 25-1)
- (b) No (☞ Go to question dq1)
- (c) I don't remember (☞ Go to question dq1)

25-1. How many times did your CPR education include AED training?

- (a) Once
- (b) Twice
- (c) Three times
- (d) Four times or more

25-2. When did you last receive AED training?

- (a) Within the past 6 months
- (b) 6 months to 1 year ago
- (c) 1–2 years ago
- (d) 2–5 years ago
- (e) More than 5 years ago

dq1. What is your level of education?

dq2. What is your occupation?

dq3. How much is your household income in a month?