**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?