

QUESTIONNAIRE ON CARDIOPULMONARY RESUSCITATION (CPR)

My name is Sanela Pivač, I have a master's degree in nursing and am conducting research among seventh, eighth, and ninth graders on their knowledge of cardiopulmonary resuscitation (CPR) with the use of an automated external defibrillator (AED). The research is part of my doctoral dissertation at the Faculty of Medicine, University of Ljubljana, under the supervision of Assoc. Prof. Brigita Skela Savič, Research Councillor, and co-supervised by Asst. Prof. Primož Gradišek, PhD.

I would like to ask for your participation in the research. This questionnaire is designed for you to express your opinions of, attitudes towards and knowledge of CPR with the use of an AED device.

By providing CPR to a person whose heart stops beating, we increase their chances of survival. I am therefore interested in your knowledge of CPR, how CPR knowledge differs among age groups, and how CPR training contributes to your willingness to help others.

The questionnaire is anonymous. Please answer all the questions.

Please follow the instructions on the number of answers to be provided.

Thank you for your cooperation!

Please circle the answer that applies to you:

1. I am completing the questionnaire before CPR training
2. I am completing the questionnaire after CPR training

YOUR ELEMENTARY SCHOOL:

SET 1—DEMOGRAPHIC DATA—(please provide one answer)

D 1 Gender

- 1.) Male 2.) Female

D 2 Your birth month: _____

D 3 Your birth year: _____

D 4 I currently go to:

- 1.) Seventh grade 2.) Eighth grade 3.) Ninth grade

D 5 I weigh _____ kg.

D 6 I am _____ cm tall.

D 7 Have you already attended CPR training?

- 1.) Yes
2.) No

D 8 If the answer to the previous question was yes, please state when and where CPR training was offered:

D 9 Have you seen any videos on CPR, such as 'CPR - How Cool is That?' or any other video on CPR?

- 1.) Yes
- 2.) No

D 10 If the answer to the previous question was yes, please tell us which video you've seen.

D 11 What level of education do your parents have (please circle)?

Mom's education:

1. Elementary school
2. Secondary school
3. College or university degree
4. Master's degree or PhD

Dad's education:

1. Elementary school
2. Secondary school
3. College or university degree
4. Master's degree or PhD

SET 2: CPR AND AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
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O 1 Do you know the phone number for medical emergencies in Slovenia?

1. Yes
2. No

If you know the number, please write it here: _____

O 2 What must you tell healthcare dispatchers about the person you found who is not showing signs of life? (more than one answer is possible)

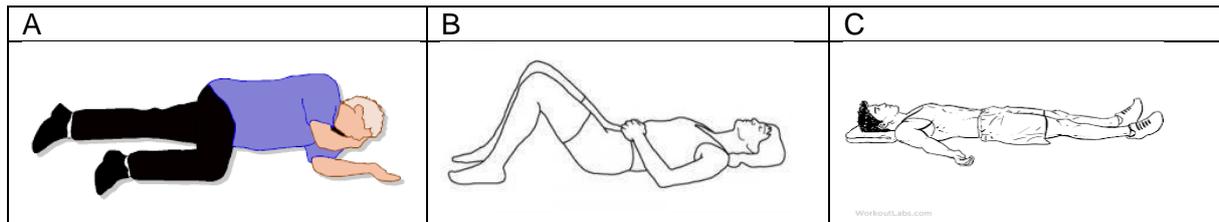
- 1.) My location
- 2.) My location is not important because I'm using a smartphone
- 3.) What happened
- 4.) How many people need assistance
- 5.) My phone number
- 6.) Other: _____

O 3 What would you do if someone fell down in front of you and showed no signs of life? (more than one answer is possible)

- 1.) I would walk away, I wouldn't dare go near that person
- 2.) I would call the emergency telephone number
- 3.) I would check whether the person is conscious (is responsive)
- 4.) If the person wasn't responsive, I would start providing CPR
- 5.) If the person wasn't responsive, I would place them in the position for unconscious victims
- 6.) Other: _____

O 4 What is the right position for unconscious victims (how do they have to be turned)?

- 1.) The right position is shown in picture A
- 2.) The right position is shown in picture B
- 3.) The right position is shown in picture C



O 5 What is an automated external defibrillator (AED)? (please provide one answer)

- 1.) An electronic device capable of recognizing if a person's heart is beating
- 2.) An electronic device that establishes a person's breathing
- 3.) An electronic device that establishes the heart function

O 6 Does your school have an AED device?

- 1.) Yes
- 2.) No
- 3.) I don't know

O 7 Do you know of places or locations where an AED can be found?

- 1.) Yes
- 2.) No

O 8 If the answer to the previous question was yes, please name some places or locations with AED devices:

SET 3: CPR KNOWLEDGE

Z 1 What do you first have to do at a scene with a person who is showing no signs of life or is unresponsive? (please provide one answer)

- 1.) Locate possible victims and secure the scene
- 2.) Dial 112 and wait for paramedics
- 3.) Secure the scene, locate possible victims and dial 112

Z 2 How do you check if a person is breathing? (please provide one answer)

- 1.) Tilt the victim's head back, listen for breathing sounds over their mouth, and look to see if the chest is rising or falling
- 2.) Tilt the victim's head back and look to see if the chest is rising or falling
- 3.) Grab the victim by the shoulders and shake them

Z 3 How deep should chest compressions be? (please provide one answer)

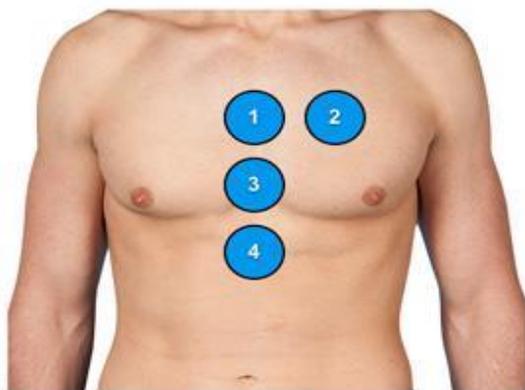
- 1.) 5 cm
- 2.) 7 cm
- 3.) 3 cm

Z 4 How many chest compressions should be performed per minute? (please provide one answer)

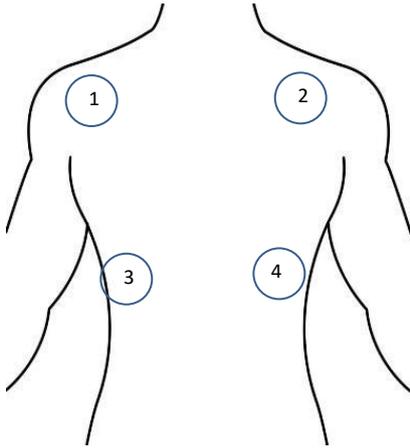
- 1.) 60 – 80 compressions per minute
- 2.) 130 – 150 compressions per minute
- 3.) 100 – 120 compressions per minute

Z 5 The image of a chest has different positions marked; please indicate the number of the position where hands must be placed when conducting chest compressions:

_____.



Z 6 The image of a chest has different positions marked; please indicate the number of the position where AED electrodes must be placed: _____.



Z 7 What is the correct procedure for using an AED? (more than one answer is possible)

- 1.) Dial 112, stand by and wait for paramedics to arrive
- 2.) First check the victim's responsiveness and breathing, then switch on the AED and follow the voice instructions
- 3.) Dial 112 to get instructions on using the AED

Z 8 How do you begin resuscitating a drowning victim? (please provide one answer)

- 1.) Check their breathing, start chest compressions and give them two breaths
- 2.) Check their breathing, give them five initial breaths, and then follow with chest compressions
- 3.) Check their breathing and start conducting chest compressions

SET 4: ATTITUDES TOWARDS A PERSON NEEDING HELP

This set of questions aims to establish your attitude towards a person who needs help and how you would react if you found a victim.

P 1 Please rate the items provided below on a 5-point scale to indicate your level of agreement with each item:

- 1 - Strongly disagree
- 2 - Disagree
- 3 - Neither agree nor disagree (undecided)
- 4 - Agree
- 5 - Strongly agree

	ITEM	VALUE				
		1	2	3	4	5
1	If someone fell down in front of me, I would help them.	1	2	3	4	5
2	If my friend lost consciousness, I would help them.	1	2	3	4	5
3	I am willing to help others because I would also expect help when in need.	1	2	3	4	5
4	I help because I can recognize a person who is not showing signs of life.	1	2	3	4	5
5	I like to help others when they are in need.	1	2	3	4	5
6	I notice when my friends and classmates need help.	1	2	3	4	5

7	When I notice that someone needs help, I try to determine why they are at risk.	1	2	3	4	5
8	When I notice that someone needs help, I ask myself how I can help them.	1	2	3	4	5
9	If someone fell down in front of me, I would call for help immediately.	1	2	3	4	5
10	If I noticed a group of people only observing a victim not showing signs of life, I would start providing help immediately.	1	2	3	4	5
11	I am aware that by helping a victim not showing signs of life, I can save their life.	1	2	3	4	5
12	Before starting to provide CPR, I first have to ensure my own safety and only then help others.	1	2	3	4	5
13	If someone fell down in front of me and showed no signs of life, I would start CPR.	1	2	3	4	5
14	If I noticed a victim who was not moving or showing signs of life, I would begin CPR immediately, because I am not afraid of injuring them.	1	2	3	4	5
15	If I noticed a victim who was not moving or showing signs of life, I would begin CPR immediately, because I believe in myself.	1	2	3	4	5
16	If I know how to help a victim not showing signs of life, my peers will see that as a good deed.	1	2	3	4	5
17	When friends ask for my help, I don't hesitate and help them right away.	1	2	3	4	5
18	I feel for classmates and friends who are very ill or were struck by misfortune.	1	2	3	4	5
19	I think one of the best things is being able to help others.	1	2	3	4	5
20	Helping others gives me satisfaction.	1	2	3	4	5
21	I would dare to provide CPR before receiving training.	1	2	3	4	5
22	I would dare to provide CPR after receiving training.	1	2	3	4	5

People state different reasons or factors which can increase our willingness to provide CPR.

Which reasons or factors would most increase your personal willingness to provide CPR to someone in need?
