**Appendix**

 **Survey instrument**

For section three of this survey, each set of scenarios began with a clear description of what they had witnessed and set of instructions. One set of instructions were based on the 2005 recommendation for traditional CPR (chest compressions and ventilations at a rate of 30:2). The second set of instructions was based on the 2010 recommendation for chest-compression-only CPR. Both sets of recommendations were described in lay language. After reading the scenario, respondents were asked, in general, whether they would be willing to initiate CPR and to provide a brief explanation of their choice. Subsequently, they were asked to indicate their willingness to provide CPR and a brief rationale in five different victim scenarios: family member, friend/someone you know, child, stranger and an unkempt individual (e.g., homeless).

**Welcome to the Canadian CPR Survey!

We are conducting a short 10-minute survey.
We appreciate your participation.**

**If you cannot finish the entire study in one sitting, you can resume this study by clicking the original link. Our system saves your previous answers and will allow you to resume where you left off as long as the study remains open.**

**Part 1:**

What is your gender?

☐ Male

☐ Female

How old are you? \_\_\_

Which province or territory are you from?

☐ Alberta

☐ British Columbia

☐ Manitoba

☐ New Brunswick

☐ Newfoundland and Labrador

☐ Northwest Territories

☐ Nova Scotia

☐ Nunavut

☐ Ontario

☐ Prince Edward Island

☐ Quebec

☐ Saskatchewan

☐ Yukon Territory

☐ None of the above

**Part 2:**

Have you ever heard of cardiopulmonary resuscitation (CPR)?

☐ Yes

☐ No

Have you ever received training in CPR?

☐ Yes

☐ No

What kind of training did you receive?

☐Course, received certificate/card

☐Course, did not receive certificate/card

☐Video or online training

☐Other, please specify:

How many times have you been trained in CPR?

☐Once

☐Twice

☐Three or more times

How many years ago did you receive your last CPR training?

*Please choose the category that best describes your most recent CPR training experience.*

☐Less than 3 years ago (during or after 2010)

☐Three or more years ago (before 2010)

Have you performed CPR before in a real-life emergency?

☐ Yes

☐ No

☐ Prefer not to answer

How would you rate your overall knowledge of CPR?

☐ Excellent

☐ Good

☐Fair

☐ Poor

☐ Very poor

CPR is made up of several steps. What steps of CPR do you remember? (1 open-ended box)

Have you heard of an automated external defibrillator (AED, Mikey, PAD, defibb)?

☐ Yes

☐ No

How would you rate your overall knowledge of AEDs?

☐ Excellent

☐ Good

☐ Fair

☐ Poor

☐ Very poor

An automated external defibrillator (AED) is a small machine that provides an electric shock to the heart when the heart has stopped beating, and it detects certain abnormal heart rhythms. AED machines are now found in many public places such as community centres, subways, shopping malls, and fitness clubs.

Would you be willing to use a public AED in an emergency situation?

☐ Yes

☐ Maybe (please specify a reason):

☐ No (please specify a reason):

Do you think you would know when to use an AED?

☐ Yes

☐ No

Do you think you would know how to use an AED?

☐ Yes, I remember from my training

☐ Yes, I think it comes with instructions or it is simple or it is self-explanatory

☐ No

If you have never received AED training, would you ever want to learn how to use an AED?

☐ Yes

☐ Maybe (please specify a reason):

☐ No (please specify a reason):

How would you rate your overall knowledge of cardiac arrest?

☐ Excellent

☐ Good

☐ Fair

☐ Poor

☐ Very poor

In your own words, a cardiac arrest is defined as: (open-ended response box)

If someone were having a cardiac arrest, list 3-5 things that you think they would be experiencing or things that would be happening to them: (5 open-ended boxes)

A cardiac arrest can happen anytime and anywhere; it can happen inside of a hospital or outside of a hospital. Out-of-hospital cardiac arrests include all of the arrests that happen anywhere outside of a hospital (shopping malls, workplaces, homes, sporting arenas, etc.).

Let’s suppose 10 people have out-of-hospital cardiac arrests. If you could take a guess, how many do you think would survive? (drop-down menu, 0-10)

If you witnessed a cardiac arrest, do you think you would act to help the victim?

☐ Yes

☐ Maybe

☐ No

Please briefly explain your answer: (open-ended response box)

**Part 3:**

The following pages will provide different cardiac arrest situations. You are the witness in each of these cases. Please read the scenario description carefully, and answer the questions.

Scenario:

Description and instructions: You are in a public place and see an individual collapse in front of you. It is recommended that cardiopulmonary resuscitation (CPR) be started on the collapsed, nonresponsive person. In this scenario, CPR involves providing **chest compressions and mouth-to-mouth breathing** in an alternating manner.

Thinking about this scenario, would you start **chest compressions and mouth-to-mouth breathing**? Please provide a reason with your answer:

☐ Yes

☐ Maybe

☐ No

Please briefly explain your answer: (open-ended response box)

I am now going to give you a list of individuals. Some people might feel differently about doing CPR, depending on the victim (i.e., the person in need of CPR). For each of the individuals listed below, would you start **chest compressions and mouth-to-mouth breathing CPR** on this individual? Please list the reason(s) why you would OR would not initiate CPR for each scenario:

 Yes Maybe No Reason

Family member ☐ ☐ ☐

Friend/someone you know ☐ ☐ ☐

Young child ☐ ☐ ☐

Stranger ☐ ☐ ☐

Unkempt individual ☐ ☐ ☐

(e.g., someone who

appears dirty or might possibly be

homeless)

Scenario:

Description and instructions: You are in a public place and see an individual collapse in front of you. It is recommended that cardiopulmonary resuscitation (CPR) be started on the collapsed, nonresponsive person. In this scenario, CPR involves providing **continuous chest compressions only,** by pushing hard and fast in the centre of the individual’s chest.

Thinking about this scenario, would you start **continuous chest compressions**? Please provide a reason with your answer:

☐ Yes

☐ Maybe

☐ No

Please briefly explain your answer: (open-ended response box)

I am now going to give you a list of individuals. Some people might feel differently about doing CPR, depending on the victim (i.e., the person in need of CPR). For each of the individuals listed below, would you start **continuous chest compression CPR** on this individual? Please list the reason(s) why you would OR would not initiate CPR for each scenario:

 Yes Maybe No Reason

Family member ☐ ☐ ☐

Friend/someone you know ☐ ☐ ☐

Young child ☐ ☐ ☐

Stranger ☐ ☐ ☐

Unkempt individual ☐ ☐ ☐

(e.g., someone who

appears dirty or might possibly be

homeless)

**Part 4:**

What is your current marital status?

 ☐Single and never married

 ☐Married or living common law

☐Separated, but still legally married

☐Divorced

☐Widowed

Do you have children?

☐ Yes

☐ No

Have you ever been diagnosed with a heart-related medical condition?

☐ Yes

☐ No

What is the highest level of schooling you have completed or the highest degree you have received? *If currently enrolled, please mark the previous grade or highest degree received.*

☐ Grade school

☐ Some high school

☐ High school graduate

☐ College or technical school degree

☐ Attended university

☐ Graduated university with an undergraduate degree

☐ Completed a postgraduate degree (e.g., master’s, PhD)

☐Completed a professional degree (e.g., MD, LLB)

☐ Prefer not to answer

Which of the following categories best describes what you would consider your ethnic or cultural origins?

☐ Caucasian

☐ South Asian (East Indian, Pakistani, Sri Lankan, etc.)

☐ Chinese

☐ African Canadian

☐ Filipino

☐ Latin American

☐ Arab

☐ Southeast Asian (Vietnamese, Cambodian, Malaysian, Laotian, etc.)

☐ West Asian (Iranian, Afghan, etc.)

☐ Korean

☐ Japanese

☐ Don’t know

☐ Prefer not to answer

☐ Other (please specify):

Were you born in Canada?

☐ Yes

☐ No

If No, where were you born? (open-ended box)

Approximately what year did you come to Canada? (drop-down menu)