CORE TCPS2 Questions - CORE Exam

Advanced Human Neuropsychology (University of Saskatchewan)



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Question 1 / 25

According to TCPS 2, what is minimal risk research (select the most appropriate definition)?
- Research in which the possible harms are no greater than those encountered by participants in their everyday life.

Question 2 / 25

According to TCPS 2, the amount of financial compensation or an incentive that is offered to participants must be directly proportional to the level of risk imposed on them by the research.
False

Question 3 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

Consider the case where one of the members of the researcher's family works for a company that produces, commercializes, and distributes mosquito nets. Should the researcher disclose a potential conflict of interest to the REB?

Yes

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Question 4 / 25

A researcher at a Canadian institution eligible to receive Agency funding wishes to determine the frequency of cannabis consumption among high school students in Canada. The researcher will create a website that includes a secure link to a survey for students wishing to participate in the research. For scientific reasons, only students who have already used cannabis will be invited to participate and respond anonymously to the survey (please answer all questions by YES or NO).

The researcher believes that some of the high school students who will respond to the survey may come from an Indigenous community. However, the researcher does not intend to make Indigeneity an element of their analysis of the findings. Moreover, it will not be possible for the researcher to know which participants are from Indigenous communities, because the survey does not include socio-demographic questions that would allow such description. In this case, is the researcher required to do community engagement?

No

Question 5 / 25

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The REB administrator sees the proposed study as minimal risk research and decides to do a delegated review instead of a full board REB review. Is the REB administrator correct in thinking this is minimal risk research and that delegated review is acceptable in this case?

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Question 6 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

In order to facilitate the recruitment of participants, the researcher plans to invite the employers to be part of the research team. By doing so, the researcher hopes that the research will be better publicized, that the employees will feel more engaged in the research, and that recommendations based on the research results will be implemented. Do you agree that such collaboration is advisable from an ethical standpoint?

NO

Question 7 / 25

As the main policy document for research ethics in Canada, TCPS 2 supersedes provincial and territorial legislation.

false

Question 8 / 25

Canadian researchers who plan to recruit participants only from outside Canada are not required to seek REB approval from their

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institution because the mission of TCPS 2 is to protect Canadian research participants.

False

Question 9 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

Consider the situation where, in the course of the research, definitive scientific evidence becomes available that the virus can be transmitted from human to human, but not through mosquitos. Do you believe that the researcher should continue the study as initially approved by the REB?

No

Question 10 / 25

A researcher at a Canadian institution eligible to receive Agency funding wishes to determine the frequency of cannabis consumption among high school students in Canada. The researcher will create a website that includes a secure link to a survey for students wishing to participate in the research. For scientific reasons, only students who have already used cannabis will be invited to participate and

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respond anonymously to the survey (please answer all questions by YES or NO).

The researcher proposes to ask participants to provide minimal information about themselves, such as sex, gender, age, and postal code (indirect identifiers). However, the participants will not be required to provide direct identifiers such as their name and the researcher will not collect their IP address. Considering the information that will be collected, can the data be considered anonymous?

No

Question 11 / 25

A large research team of biologists, social scientists, epidemiologists and statisticians from Canada and around the world wish to conduct research aiming to identify biological and social predispositions to chronic diseases amongst Indigenous Peoples in Canada. This research includes in-depth interviews with individuals living in First Nations, Inuit and Métis territories, as well as the collection of blood and saliva samples, which will be used to perform genomic analyses.

Please select the correct answer:

Researchers should initiate community engagement prior to seeking REB review.

Question 12 / 25

A large research team of biologists, social scientists, epidemiologists and statisticians from Canada and around the world wish to conduct research aiming to identify biological and social predispositions to chronic diseases amongst Indigenous Peoples in Canada. This research includes in-depth interviews with individuals living in First Nations, Inuit and Métis territories, as well as the collection of blood and saliva samples, which will be used to perform genomic analyses.

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Please select the correct answer:

The guidance found in Chapter 9 of TCPS 2 may be relevant and apply to non-Indigenous communities.

Question 13 / 25

Participant consent may be obtained in ways other than in writing.

True

Question 14 / 25

In order to identify prospective participants who may be in a position to help answer specific research questions, it can be ethically acceptable to engage with some individuals or their community before seeking REB review and approval of the research project.

true

Question 15 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

n order to facilitate the consent process, the researcher plans to exclude all employees who are minors and may need parental

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consent to participate. Based on the provided reason, would the exclusion of this group from the study be ethically acceptable?

No

Question 16 / 25

A large research team of biologists, social scientists, epidemiologists and statisticians from Canada and around the world wish to conduct research aiming to identify biological and social predispositions to chronic diseases amongst Indigenous Peoples in Canada. This research includes in-depth interviews with individuals living in First Nations, Inuit and Métis territories, as well as the collection of blood and saliva samples, which will be used to perform genomic analyses.

The researchers plan to conduct in-depth interviews that ask members of Indigenous communities to provide information about their diet and lifestyle. Please select the correct answer:

All of the above.

Question 17 / 25

A researcher at a Canadian institution eligible to receive Agency funding wishes to determine the frequency of cannabis consumption among high school students in Canada. The researcher will create a website that includes a secure link to a survey for students wishing to participate in the research. For scientific reasons, only students who have already used cannabis will be invited to participate and respond anonymously to the survey (please answer all questions by YES or NO).

The researcher wishes to compare the frequency of cannabis consumption depending on the sex and gender of the students. Is such an analysis ethically acceptable?

Yes

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Question 18 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

Consider the situation where, prior to the research, some prospective participants had already installed mosquito nets at their workplaces as a precautionary measure. In this situation, the researcher is aware that some participants will be reluctant to be randomly assigned to the group working in a workplace without mosquito nets. In order to convince them to participate, the researcher proposes to provide these prospective participants with a monetary incentive that is significant for them. Is this approach ethically acceptable?

No

Question 19 / 25

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If the REB determines that the targeted population and prospective participants have the capacity to decide for themselves to participate in this study, must the REB also require that the researcher seek the authorization of a parent or authorized third party prior to the participation of minors in this context?

No

Question 20 / 25

A researcher at a Canadian institution eligible to receive Agency funding wishes to determine the frequency of cannabis consumption among high school students in Canada. The researcher will create a website that includes a secure link to a survey for students wishing to participate in the research. For scientific reasons, only students who have already used cannabis will be invited to participate and respond anonymously to the survey (please answer all questions by YES or NO).

The researcher proposes to ask teachers to inform their students that the study exists, and to tell them where they can access the link to the survey, in case they wish to complete it, at home or anywhere outside the classroom. The schoolboard has approved the proposal, the teachers are not members of the research team and the context is not likely to exercise coercive pressure on students to participate in the study. Is the proposal ethically acceptable?

Yes

Question 21 / 25

Program evaluation activities do not constitute research for the purposes of TCPS 2

true

Question 22 / 25

The dynamics of how a new virus transmits through human populations are not well understood. One theory is that it is being transmitted from human to human through exposure to mosquitoes

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at workplaces. If this proves to be true, installing mosquito nets at workplaces would provide employees with sufficient protection against the new virus. The scientific evidence does not yet indicate whether this hypothesis is correct. During an epidemic in a foreign country, a Canadian researcher working under the auspices of an institution eligible for Agency funding proposes a research protocol that aims to test this hypothesis. The methodology essentially consists of recruiting employees working for different employers, randomly assigning them to Group A (using mosquito nets) or Group B (control group not using mosquito nets), and assessing the relative effectiveness of mosquito nets by observing the incidence of the virus in these two groups.

The research involves collaborators working in the country of the study. They have obtained all the necessary ethics certifications required to conduct the research in that country. Does the REB of the Canadian researcher also need to approve the research?

Yes

Question 23 / 25

A large research team of biologists, social scientists, epidemiologists and statisticians from Canada and around the world wish to conduct research aiming to identify biological and social predispositions to chronic diseases amongst Indigenous Peoples in Canada. This research includes in-depth interviews with individuals living in First Nations, Inuit and Métis territories, as well as the collection of blood and saliva samples, which will be used to perform genomic analyses.

Please select the correct answer:

None of the above.

Question 24 / 25

According to Chapter 9 of TCPS 2, researchers cannot conduct critical inquiries of the governance of Indigenous institutions.

False

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Question 25 / 25

A researcher at a Canadian institution eligible to receive Agency funding wishes to determine the frequency of cannabis consumption among high school students in Canada. The researcher will create a website that includes a secure link to a survey for students wishing to participate in the research. For scientific reasons, only students who have already used cannabis will be invited to participate and respond anonymously to the survey (please answer all questions by YES or NO).

A. Some REB members do not agree with the methodological decision of the researcher to exclude from the study students who have never used cannabis, because they believe that it will diminish the likelihood that the researcher can publish the results in a prestigious journal. Based on this reason, should the REB require that the researcher change the protocol?

No

Question 24 / 25

In order to identify prospective participants who may be in a position to help answer specific research questions, it can be ethically acceptable to engage with some individuals or their community before seeking REB review and approval of the research project.

True

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