



Oxford Cambridge and RSA

Friday 19 January 2024 – Afternoon

Level 3 Cambridge Technical in Health and Social Care

05871 Unit 25: Research methods in health, social care and childcare

Time allowed: 2 hours

C445/2401



You must have:

- Your copy of the Pre-release (C446)



Please write clearly in black ink. Do not write in the barcodes.

Centre number

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Candidate number

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First name(s)

Last name

Date of birth

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INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION

- The total mark for this paper is **60**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **12** pages.

ADVICE

- Read each question carefully before you start your answer.

1 Pressure ulcers or bedsores are injuries to the skin and underlying tissue that often affect people confined to bed or who sit in a chair or wheelchair for long periods of time.

A local health authority organised a review into the effectiveness of different dressings and ointments used to treat bed sores in nursing home patients.

The research team used secondary research methods to gain information for their review.

(a)* Explain the advantages of using secondary research methods for this review.

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..... [6]

(b)

(i) Identify **one** area of health care that is being targeted by this research.

..... [1]

(ii) The research team established an evidence-base for treatment by identifying an ointment that was extremely effective in reducing inflammation caused by bedsores.

Explain **two** other ways in which the findings of this review could be useful to the local health authority.

1

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2

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[4]

(c) The research team suggested that a randomised controlled trial be carried out on one of the treatments being reviewed.

Complete the table below by deciding whether each statement about using a randomised controlled trial in this scenario is True **(T)** or False **(F)**.

Statement	True (T) or False (F)
Only women who were over 75 years old would be selected as participants.
The participants would be randomly divided into two groups, an experimental group and a control group.
Informal observations would be the best method to collect data during the trial.

[3]

(d)* Discuss the ethical issues that could arise when carrying out this randomised controlled trial with regards to:

- access to information
- who the research may affect and how they may be affected.

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[6]

(b) Identify **two** reasons why it is important to make accurate notes when using sources from your secondary research.

1

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2

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[2]

(c) When using sources to write research questions it is important to make these questions original to ensure that an interest is taken in your research and audience attention is retained.

Identify **one** other factor that should be taken into account when writing good research questions and explain why.

Factor

Explanation

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[2]

(f) Outline **one** way in which the validity of your secondary research material could be assessed.

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(g)* In response to your chosen article and your secondary research, discuss reasons why you may wish to conduct further research.

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END OF QUESTION PAPER

EXTRA ANSWER SPACE

If you need extra space use these lined pages. You must write the question numbers clearly in the margin.

Lined area for writing answers, consisting of horizontal dotted lines and a vertical solid line on the left margin.

A series of horizontal dotted lines for writing, spanning the width of the page.



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