
Plan Overview

A Data Management Plan created using DMPonline

Title: Guidance for taking Automated Electronic Defibrillators (AEDs) into remote locations – a Delphi Study

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Project abstract:

Automated External Defibrillator (AEDs) can sometimes be seen as lifesaving pieces of equipment that should accompany trips to remote or low resource settings. This decision should not be taken lightly as it is important to consider the medical knowledge, skills and infrastructure that is required to maintain life following any successful use of a defibrillator in an attempt to restore premorbid functional capacity and quality of life.

Taking an AED on expedition or to remote locations is frequently considered in expedition medical planning, particularly in commercial organisations. However, there is currently no guidance on when AEDs should form part of a standard medical kit, or when it would be more appropriate not to take one. This study seeks to ask Prehospital and Expedition medical experts their opinion on the use of AEDs in remote settings to help guide practice in Expedition Medical Planning.

This will enable a guideline to be developed by experts which can be used by Expedition Doctors and Expedition leaders to help evaluate whether they should include an AED in a medical kit.

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Guidance for taking Automated Electronic Defibrillators (AEDs) into remote locations - a Delphi Study

Data Collection

What data will you collect or create?

Open question survey data

Likert scale survey data

How will the data be collected or created?

Survey responses will be collected online using the Jisc platform. This survey data collection tool has strict information security standards (ISO27001) and data is processed in compliance with GDPR and has been approved for use by the University of Plymouth.

Documentation and Metadata

What documentation and metadata will accompany the data?

Data from all parts of the Delphi process will be kept confidential and anonymous. Participant details will be collected with the responses, however these will only be accessible to the lead investigator and are to ensure that responses are collected from a chosen panel of experts.

Responses will be made available to all researcher but stored with a participant identifying number known only to the lead investigator. Direct quotes of free text answers may be used, but these will not be traceable to the participant.

All data will be stored within University of Plymouth cloud-based encrypted files (OneDrive)

Ethics and Legal Compliance

How will you manage any ethical issues?

Ethical approval to be obtain via the PEOS online ethics system

How will you manage copyright and Intellectual Property Rights (IPR) issues?

Copyright and IPR of the data and subsequent written analysis will remain with the researchers

Storage and Backup

How will the data be stored and backed up during the research?

All data will be stored on Jisc or within University of Plymouth cloud-based encrypted files (OneDrive) during analysis

How will you manage access and security?

All data/responses from Jisc will be directly transferred and stored within University of Plymouth password protected, cloud-based encrypted files (OneDrive).

Responses will be made available to all researchers.

Participant identifying data will be known only to the lead investigator.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

Response data will only be kept for the duration of the study and will be deleted from OneDrive once the analysis and write up have been completed (projected end date December 2024).

Data may be disclosed in published works posted online for use by the scientific community. Research findings might also be presented at a conference or used in future research.

What is the long-term preservation plan for the dataset?

Data will only be kept for the duration of the study and will be deleted from OneDrive once the analysis and write up have been completed (projected end date December 2024)

Data Sharing

How will you share the data?

Data may be disclosed in published works posted online for use by the scientific community. Research findings might also be presented at a conference or used in future research.

Are any restrictions on data sharing required?

Responsibilities and Resources

Who will be responsible for data management?

Principle investigator

Participating researchers

What resources will you require to deliver your plan?

Jisc - no cost to researchers as utilising UoP subscription

Onedrive - no cost to researchers as utilising UoP subscription