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## Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** How has Montgomery changed dental practice, and is it possible for it to be implemented fully by the dental profession?

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**Template:** DCC Template

### **Project abstract:**

The 2015 Supreme Court ruling in *Montgomery vs Lanarkshire Health Board* changed the law around consent in healthcare. Previously, when patients were warned about the risks of any particular treatment the healthcare professional was held to a 'Professional Standard,' where as long as they warned about the same risks as other similarly skilled professionals, they could not be found to be negligent. Montgomery shifted the focus from the profession to the patient and it is now the professional's duty to warn the patient about any risk that they may attach significance to. This shift from a paternalistic 'doctor knows best' attitude by the healthcare professions has been advocated by regulators such as the GMC and the GDC for some years and this study is designed to assess the compliance of Dentists with changes in the GDC standards and now the law.

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### **Copyright information:**

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# How has Montgomery changed dental practice, and is it possible for it to be implemented fully by the dental profession?

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## Data Collection

### What data will you collect or create?

The data collection method will be a JISC survey hosted on its web platform. No personally identifiable data is to be collected. Once collected any data used will be anonymous and analysed using the JISC survey platform. Results will be interpreted and used as the basis for a dissertation report by the project lead. Any data that is exported will be saved in Microsoft Excel Spreadsheet files (.xls or .xlsx) or Microsoft Word files (.doc or .docx), and inherently anonymous. These file types have been chosen due to the familiarity experienced by the project lead, and the required format for the final report. These files will be stored on the personal computer of the project lead, which is password and fingerprint ID protected. Any data will be backed up onto a password protected 'Box' account only accessible by the project lead. The volume of data will likely be in the order of megabytes making storage, backup, and access straightforward.

The data to be collected are:

Demographics (Person Non-Identifiable)

- To separate out results for participants who trained at different dental schools
- To separate out results for participants who trained pre/post Montgomery
- To separate out results for participants who work in different environments

Responses to 'scenario' survey questions (Person Non-Identifiable)

- To assess the paternalistic inclinations of participants
- To ascertain the current knowledge level of participants in the law around consent
- To ascertain the current knowledge level of participants in the regulatory standards around consent

Responses to 'opinion' survey questions (Person Non-Identifiable)

- To ascertain opinion on obstacles to the implementation of Montgomery
- To ascertain opinion on the merits/flaws of 'patient-centered' consultations

### How will the data be collected or created?

The data collection is via a JISC survey on its web platform. The survey responses will be stored on the web platform until the survey period is complete.

The quality of the questions and answers will be reviewed by my project supervisor at the university.

## Documentation and Metadata

### What documentation and metadata will accompany the data?

Open access to the data would is not possible. Others in my field can be made aware of its existence on the University of Dundee repository 'Discovery'. Controlled access may be arranged upon request if there is merit. The Datacite standards would be employed. The data should be read in conjunction with the final report.

## Ethics and Legal Compliance

### How will you manage any ethical issues?

The research is approved by the University of Dundee Social Sciences Research Ethics Committee before proceeding.  
I will ask data subjects' consent not only for participation in the study you are conducting but also for potential re-use of their data in the future.  
I will ask for no personally identifiable information in the survey, anonymisation is inherent.

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

The participants will be required to agree to joint copyright with the project lead as part of the consent that forms the first section of the survey.

## **Storage and Backup**

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

The data will be stored on the JISC survey web platform during the gathering process.  
Any data that is exported will be to the personal computer of the project lead which is password and fingerprint protected. This is backed up to a BOX account.  
The web platform providers are responsible for the integrity of data on their platform. Any data that is exported will be recovered using recovery files produced by the software or from online backups. Box backups are carried out every 5 minutes when a wifi signal is present.

### **How will you manage access and security?**

The web platform is password protected.  
The personal computer and Box accounts are password protected. There will be no personal data used in this survey.  
BOX is the University solution for secure file sync and share. UoD recommends BOX is used for collaborative working or sharing confidential information, provided that the following conditions are met:  
Label: Should be labelled "Confidential".  
Whenever possible, information must be viewed in originating systems and not downloaded.  
Where information is downloaded it should be accessed, stored and/or transmitted in a secure manner.  
Not to be accessed in public places where information can be viewed by others.  
Must not be accessed or sent to non-University systems or services (personal email accounts, cloud storage products etc.).  
Duplicate copies of confidential information must be avoided as far as possible.  
Data security and confidentiality information/data security standards for BOX  
The University of Dundee file storage system BOX is ISO 27001 is compliant -  
Standard: ISO/IEC27001:2013)

## **Selection and Preservation**

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

The University has committed to a period of 10 years - starting at the completion of the project - in line with the Concordat on Open Research Data Published 28th July 2016  
I will comply accordingly.

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

The University of Dundee [Policy to Govern the Management of Research Data](#) requires that where possible and appropriate data is made accessible and available for reuse and verification. This can be achieved using a subject specific data repository or the University's Institutional Repository [Discovery](#). Datasets deposited with Discovery will be assigned a digital object identifier for citation.

## **Data Sharing**

### **How will you share the data?**

The data would only be shared via the University of Dundee Data Repository 'Discovery'.

Datasets could be cited in all publications - if deposited in Discovery and the intention is to share - the LLC will assign a permanent identifier (DOI) for use in the citation. The DOI will resolve to a landing page in Discovery and this, in turn, will link to all appropriate records of publications. The metadata recorded on your data will be publicly searchable and discoverable and will describe how and on what terms the data may be made available. The DOI can then be used to cite the data in publications.

### **Are any restrictions on data sharing required?**

There are no restrictions on data sharing anticipated.

## **Responsibilities and Resources**

### **Who will be responsible for data management?**

Simon Kidd. Project Lead.

Responsibilities: data capture, metadata production, data quality, storage and backup, data archiving & data sharing.

University of Dundee Support Staff

Responsibilities: publishing of data, assigning DOIs and creating metadata.

University of Dundee Data Protection Team

Responsibilities: information governance, data sharing agreements

### **What resources will you require to deliver your plan?**

Personal Computer with secure internet access

Microsoft Word

Microsoft Excel

Jisc online survey platform

BOX online storage facility