Participant Information

**Medical Pronunciation App**

**Joanna Moreland**

What is the study about?

We invite you to participate in a research project about medical pronunciation.

It can be challenging to pronounce medical terms such as medicine names. As such, the project aims to make an application to teach users how to pronounce certain words by playing a recording for them to listen to and attempt to replicate. Their attempt will be compared to the recording and they will receive feedback on how close to the actual pronunciation they are.

Data collected will include your opinion on the application produced. This will be done by filling out a survey which will include a score out of 10 question regarding your overall experience as well as several questions that will require a written response about your experience.

Why have I been invited to take part?

You have been invited to take part in the testing of the application as you are a current or future member of the medical community. You have been invited to take part because the application created is for those in the medical field. As such your opinion on the efficacy of the application is important for its further development and to observe how medical practitioners may respond to the application.

Do I have to take part?

This information sheet has been written to help you decide if you would like to take part. It is up to you and you alone whether you wish to take part. If you do decide to take part you will be free to withdraw at any time without providing a reason, and with no negative consequences.

What would I be required to do?

You will be asked to use the system at the St Andrews University computer science labs and answer a series of questions regarding your experience with the software application. Your experience will involve you listening to pronunciations of medical terms and then attempting these for yourself. Your attempt will be recorded and compared to the original recording. This should take a maximum of half an hour to complete. You may be asked to return at a later date to give your views and opinions on any changes made to the software application through a similar questionnaire. You are, however, free to decline this invitation to give further feedback.

Are there any risks associated with taking part?

There is a possibility the questionnaire will take more time than expected. The data will be stored securely, with access permission granted only to the researcher, supervisor and markers at the end of the project.

Informed consent

It is important that you are able to give your informed consent before taking part in this study and you will have the opportunity to ask any questions in relation to the research before you provide your consent.

What information about me or recordings of me (‘my data’) will you be collecting?

No personal data will be collected in the survey, only your opinions on the application you are testing. This information will not be associated with you. Information will be gathered via a questionnaire online.

Voice data will be collected temporarily and held only for the time it takes to compare your pronunciation with the correct pronunciation. It will be destroyed instantly after this.

How will my data be securely stored, who will have access to it?

­Your survey data will be stored in an **ANONYMISED** form, which means that parts of your data will be edited or deleted such that no-one, including the researchers, could use any reasonably available means to identify you from the data. Your un-anonymised data will then be permanently deleted. Your data will be stored in St Andrews computer science department lab servers and only the researcher and supervisor will be able to access it.

Your voice data will be stored in a **FULLY IDENTIFIABLE** form, which means that your data will be identifiable as yours. Your data will be stored in St Andrews computer science department lab servers and on the researcher’s personal password protected device and only the application will be able to access it for comparison purposes. Your data will be stored in Google’s servers, Google may act with this data according to their terms and conditions: <https://policies.google.com/terms>

How will my data be used, and in what form will it be shared further?

Your research data will be analysed as part of the research study. It will then be published in my dissertation.

Ifshared (published and/or placed in a database accessible by others), your survey data will be in an **ANONYMISED** form, which means that no-one could use any reasonably available means to identify you from the data.

Your voice data will be in a **FULLY IDENTIFIABLE**, form when sent to Google through their API which the application uses, which means that your data will be identifiable as yours and attributed to you. Google’s terms and conditions for use of this data can be found here: <https://policies.google.com/terms>

It is expected that the project to which this research relates will be finalised by June 2020.

When will my data be destroyed?

Survey data: Within June of 2020.

Voice data: Local copy will be destroyed instantly after audio comparison. The researcher has no power over when Google may delete voice data they have recorded. See their terms and conditions.

Your data will be stored and processed in St Andrews computer science labs. No matter their physical location, researchers are required to store and make use of personal data as if they were in the UK; University requirements and the provisions of the data protection law apply at all times.

Will my participation be confidential?

Yes, your participation will only be known to the researcher and supervisor.

Use of your personal data and data protection rights

The University of St Andrews (the ‘Data Controller’) is bound by the UK 2018 Data Protection Act and the General Data Protection Regulation (GDPR), which require a lawful basis for all processing of personal data (in this case it is the ‘performance of a task carried out in the public interest’ – namely, for research purposes) and an additional lawful basis for processing personal data containing special characteristics (in this case it is ‘public interest research’). You have a range of rights under data protection legislation. For more information on data protection legislation and your rights visit <https://www.st-andrews.ac.uk/terms/data-protection/rights/>. For any queries, email [dataprot@st-andrews.ac.uk](mailto:dataprot@st-andrews.ac.uk).

You will be able to withdraw your data before 15th April 2020. If your data is anonymised, we will not be able to withdraw it, because we will not know which data is yours.

Ethical Approvals

This research proposal has been scrutinised and subsequently granted ethical approval by the University of St Andrews Teaching and Research Ethics Committee.

What should I do if I have concerns about this study?

In the first instance, you are encouraged to raise your concerns with the researcher. However, if you do not feel comfortable doing so, then you should contact my Supervisor or School Ethics Contact (contact details below). A full outline of the procedures governed by the University Teaching and Research Ethics Committee is available at <https://www.st-andrews.ac.uk/research/integrity-ethics/humans/ethical-guidance/complaints/>.

Contact details

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| **Researcher(s)** | Joanna Moreland | **Supervisor(s) / School Ethics contact** | Ishbel Duncan |
|  |  | Ishbel.Duncan@st-andrews.ac.uk |
|  |  | (0)1334 463270 |