Research Project Information Sheet

MotoSafe: An incident reporting and learning system to improve motorcyclist safety

MotoSafe Study

Ethics Approval Number: **A231902**

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Project Description

Motorcycle crashes are a longstanding road safety issue nationally in Australia and worldwide. Key to preventing these crashes is the development of evidence-based interventions that are informed by an in-depth understanding of the contributory factors involved. An approach recognised for providing an in-depth understanding of contributory factors involved in safety incidents is the use of an appropriate incident reporting and learning system. Unfortunately, there is currently no valid incident reporting and learning system for motorcyclists to report crashes and near misses to provide this knowledge.

This project involves the implementation of MotoSafe, an incident reporting and learning system. MotoSafe enables the reporting and analysis of motorcyclist crashes and near misses by motorcyclists across Australia.

The goal of this project is to support the development of appropriate strategies and interventions to improve motorcyclist safety. This is achieved by motorcyclists contributing incident and participation data via MotoSafe to the National Incident Dataset. The research group will analyse incidents, contributory factors, and participation data from a national perspective to inform government, regulators and industry to support systemic change. Specifically, the research group will analyse the dataset to identify the:

- Relative frequency of incidents that occur
- Characteristics of the incidents that occur
- Contributory factors involved in incident causation.

The data collected in MotoSafe will be used to produce new knowledge on motorcyclist safety, including contributory factors involved in motorcyclist incidents. It is expected that the outcomes from this project will provide a vital evidence base for developing interventions to improve motorcyclist safety.

The research project is funded by the ACT Road Safety Fund Grants Program.

Participation

To be eligible to participate in this research project, you must reside in Australia, be at least 18 years of age, and participate in road motorcycling activities in Australia. Recruitment is open to anyone who fits the criteria.

Participation involves completing the initial registration process (approx. 10 minutes), entering incident and near miss reports when they occur, throughout the duration of the project (approx. two minutes per report), and entering the number of kilometres you travel while doing gig work weekly throughout the duration of the project (approx. two minutes per week). Your use of the app is voluntary and will not be enforced in any way.

Consent

Consent to participate will be confirmed via MotoSafe. You will be asked to provide consent for the use of your de-identified personal demographic data (i.e., age range, gender, experience riding motorcycles) and de-identified data collected via the NID for current and future research purposes.

Consent is sought for this project and for related, ethics approved, projects that may be undertaken by this research group.

Your decision to provide consent (or not), will not impact your current or future relationship with the research group, our industry networks, or the University of the Sunshine Coast. Table 1 outlines key information about providing consent, and the process for providing and withdrawing consent.

Table 1. *Information about consent and the process used for providing and withdrawing consent.*

Providing Consent	**Research Project Information Sheet** You will be asked to provide your consent for the: • Collection of your username and email address as part of the registration process. This information will be used to manage your login details, provide updates regarding analyses of incident data and to invite you to participate in research surveys relating to gig economy safety and your use of the MotoSafe app. • Use of your de-identified demographic data (i.e., age range, gender) and incident data for current and future research purposes, conducted by the research group. What happens if I do not provide consent? If you do not provide consent, you will not be able to use the MotoSafe app. **Terms of Use and End User Licence Agreement** You will be presented with the Terms of Use and End User Licence Agreement and be asked to agree to the terms and conditions outlined in the document. For example, the agreement includes information about the intellectual property rights and ownership of the MotoSafe app, and privacy of identifiable and de-identified data. What happens if I do not agree to the Terms of Use and End User Licence Agreement? You will not be able to use the MotoSafe app. **Age Verification** You will be asked to confirm that you are 18 years of age or older What happens if I am not aged 18 years or older? You will not be eligible to use the MotoSafe app. **Allow "MotoSafe" to access your location while you are using the app** The app uses Location Services to allow participants to quickly and accurately record the location of incidents. The app will request your permission to use Location Services when this feature is activated by the app. What happens if I do not allow Location Services? If you do not provide consent, you will be able to use the MotoSafe app, but will need to enter locations manually.
Withdrawal Process	You may **withdraw your consent to participate in the research project** by deleting your account. Please note that you will continue to receive email communications from the research group (e.g., to invite you to participate in research surveys relating to gig economy safety and your use of the MotoSafe app) even if you delete the account. Should you wish to stop receiving email communications from the research group, we kindly ask that you inform us via email. If you wish to withdraw already submitted data (including your account details, demographic data and incident reports), you can email the Chief Investigator who will arrange deletion of all information linked to your account from the host server. Please be aware that data submitted to the National Incident Dataset that has been de-identified and / or aggregated for analysis may not be able to be withdrawn. Consequences of withdrawing consent Your participation in this project is voluntary, and you can choose to withdraw from the study at any time. Your decision to participate (or not) will not impact your current or future relationship with the research group or UniSC.

Participants may withdraw **their permission for the MotoSafe app to use location services** through their device's settings.

Consequences of withdrawing permissions
If you choose to withdraw permissions for location services, you can still use the MotoSafe app, but some functionality will not be available. This decision will not impact your current or future relationship with the research group or UniSC.

Privacy and Confidentiality

The information you provide for this research project will be kept confidential, within the law.

Identifiable and de-identified data collected via the MotoSafe app is stored securely on an Australian-based Virtual Private Server (VPS). The research group has made every effort to ensure that your data is stored securely and confidentially. Participants and members of the research group will have password-secured access to the MotoSafe app. A list of roles, along with the access permissions, are provided in Table 2.

Table 2. *MotoSafe app roles and access permissions*

Role	Data Type	Access Requirements
Research group	Identifiable and De-identified data stored on the VPS	Password-protected access to the VPS is required to administer the VPS. Members of the research group will have access to: • Participant identifiable information (e.g., username, email address) • Incident reports • Participation data • Data analysis reports
Participants	Identifiable incident reports and participation data De-identified aggregated National Incident data	Participants will be able to view their own incident reports and participation data. Participants will be able to view de-identified aggregated data, including the: • Relative frequency of incidents that occur • Characteristics of the incidents that occur • Contributory factors involved in incident causation
MotoSafe app developer and server administrators	All identifiable and de-identified data stored on the VPS.	Regular maintenance of the app may result in the app developer or the server administrators accessing this information/data for administrative purposes.

If the project is not re-funded at the end of February 2024, identifiable data will be deleted, and de-identified data will be moved onto servers at UniSC. De-identified data stored on servers at UniSC will be stored securely in accordance with UniSC's Research Data Management Procedures.

Benefits and Risks

You will have the opportunity to provide input for emerging technology that may improve motorcyclist safety, and to improve your understanding of factors involved in motorcyclist incidents.

The research group has made every effort to ensure that there is minimal risk involved in your participation. A list of potential risks along with the risk mitigation strategies used in this research project, are outlined in Table 3.

Table 3. *Identified potential risks and risk mitigation strategies*

Risks	Risk mitigation strategies
Security of data collected by the MotoSafe app	Data collected by the MotoSafe app is stored securely on an Australian based Virtual Private Server (VPS). Servers Australia Pty Ltd was selected to host the VPS as their Terms and Conditions state that they abide by the requirements of Australian Privacy Laws. The data is backed up daily on the primary server, and weekly on a secondary server by the hosting provider. This reduces the chance participants will lose any incident report data or experience any disruptions while using the MotoSafe app if there are problems with the primary server.

Risks	Risk mitigation strategies
Privacy and confidentiality of your identifiable information	Participants will be required to accept the Terms of Use and End User Licence Agreement prior to accessing the app. The agreement outlines how the research group will use the information collected as well as user obligations regarding confidentiality.
	While performing regular maintenance of the server, Servers Australia Pty Ltd may require access to information stored for administrative purposes. However, as per the Terms and Conditions, Privacy Policy and the Privacy Act 1988 (*Cth*), Servers Australia Pty Ltd employees and contractors are obliged to respect the confidentiality of any personal information stored on the VPS.
	The MotoSafe app Developers will have password-protected access to the identifiable data stored in the VPS. Access to identifiable data may be required when performing regular app maintenance. However, as per the Consultancy Agreement between UniSC and the app developer, the app developer must keep the material, the services, and the intellectual property, including all reports, secret and confidential.
	The research group will have password-protected access to the VPS. They will not share identifiable incident data with anyone that does not have the data access outlined in Table 2.
	Participants cannot be identified through the data submitted to the National Incident Dataset. The MotoSafe app only provides the ability to submit de-identified data for research purposes to the National Incident Dataset. The de-identified data will not contain the names of any individuals.
Potential unequal relationships	The research group and industry networks will promote the MotoSafe app through professional, social and community groups, creating the potential for unequal relationships. Please note that participation in this research project is voluntary, and your choice to participate (or not) will not affect your relationship with the research group, our industry networks or UniSC. You can choose to withdraw from the research project at any time without consequence.
Psychological discomfort or distress	When entering incident reports, participants may be required to recall events that were distressing to them (such as an incident, near miss, personal safety incident or theft).
	Sometimes recalling events of adverse events or near misses can create uncomfortable or distressing feelings. If you need to talk to someone, you may wish to contact family or friends, your General Practitioner, or Lifeline (131114) or Beyond Blue (1300 224 636).
Location Services	To help participants quickly record and identify the location of an incident, the MotoSafe app will include a Location Service feature.
	Participants can disable Location Services at any time via their Smart Device Privacy Menu. This decision will not affect the participant's use of the MotoSafe app or impact their relationship with the research group or UniSC.
	The MotoSafe app aligns with the technical, content, design, and legal considerations outlined in the Android Developer Guides and Apple Store Developer Guidelines.
Safety of participants when entering an incident report	When entering an incident, participants will be provided with the following prompts: • If you are injured or in immediate danger, please telephone "000" • Before completing this incident report, evaluate your situation to ensure you are not in danger
Compliance with the Spam Act 2003	The research group will communicate the outputs of the research project, information about the research project via email. Should you wish to stop receiving email communications from the research group, we kindly ask that you inform the research group via email.

Results

The results of the project will be published in peer-reviewed journal articles and stakeholder reports and presented at research and industry conferences and events. This will describe the number of incidents reported, type of incidents, and contributory factors involved. No individuals will be identifiable from these articles, reports, and presentations.

If you would like a summary of findings from this research project, please contact the Chief Investigator (listed above).

Concerns or Complaints

If you have any concerns or complaints about the way this research project is being conducted, you can contact the Chief Investigator (listed above). If you prefer an independent person, you can contact the Chair of the UniSC Human Research Ethics Committee: telephone (07) 5430 2823; email humanethics@usc.edu.au).

If you choose to participate, please keep this document.