

UK-MoRSE 2.0 Help File

Introduction

Welcome to UK-MoRSE 2.0 (referred to here as UKM2). This site is designed to help road safety practitioners estimate the likely collision reduction potential of their proposed work. It does this by using a database of information about projects already built and with known 'before and after' data. The site has two other functions: it has a live discussion space called the Lounge, and a webTV channel called LoungeTV.

Database

Access to the database in UK-MoRSE is restricted to those organisations and partnerships that contribute their project data, a *quid pro quo* arrangement that prevents the site falling into disuse by people querying the database but not helping to expand it. Temporary research access can be arranged in some circumstances. All analyses in UKM2 are anonymous; it is not possible to identify individual projects or organisations. This is to encourage people to put **all** their road safety projects into the system, the ones that worked and the ones that didn't. About 10% of the projects in UKM2 show increases in collision numbers in the after period so the anonymous nature of the analyses is probably working.

The database in UKM2 contains 31 fields. These are described in the Appendix. You'll find UKM2 easier to use if you have a look through the list and get the gist of what's in the database.

To access the database, click **Database** on the home page. If you are already a registered user, enter your username (email address) and your password. If you have forgotten your password, click the appropriate link. If you are not a registered user, but would like to be, then you should familiarise yourself with the Data Policy by clicking that link and then 'contact us' using that link. If you have managed to enter your username and remembered your password, click Submit. If you are returned to the login page, the system couldn't find your login in the database; try a different password or use the 'forgotten password' link. Assuming the system has accepted you as a registered user you should now see the database home screen with an annoying email animation that you can click to tell us just how annoying it is, or other feedback or support requests you may have. You should also find that the 'Credit' and 'SID' windows on the screen have been filled in. 'Credit' tells you how many query credits your organisation or partnership has. You use one credit every time you run a query and increase it by 10 every time you add a record. **You cannot run queries if you have no credit.** If you feel the 'Credit' score is lower than it should be, ask other people in your organisation or partnership if they have been using UKM2. Assuming you do have some credit you now have a choice between querying the database, adding a project record or editing an existing project record (not yet available).

Query

Clicking **Query** takes you to the first query selection page. At this time there are two queries available in UKM2. You select one by clicking anywhere in its descriptive text.

Query 1

This asks you to specify trunk or local authority road, urban or rural environment, road class, treatment type (single site, route, area etc) and one component element from the drop down list (zebra crossing, traffic signals, signs, road markings etc) which will be matched against **any** of the primary, secondary and tertiary components of projects that meet the other criteria you specified. Note that an 'any' option is available for all but the 'component' criterion. Judicious use of this 'any' option can increase the number of records matching your criteria without watering down the relevance of your query. The query finds records that match your criteria and does some maths with the data: it returns the number of matching records, mean benefit, standard error and upper and lower 95th percentile boundaries for the distribution of your matched data. An explanation of these terms is available by clicking a link on the results page. Crudely put, the more records that match your criteria the more reliable the answer is likely to be, which underlines the importance of adding project records.

Query 2

This asks you to specify trunk or local authority road, urban or rural environment, road class, treatment type (single site, route, area etc) and one component element from the drop down list (zebra crossing, traffic signals, signs, road markings etc) which will be matched against **only** the primary component of projects that meet the other criteria you specified. Note that an 'any' option is available for all but the 'component' criterion. Judicious use of this 'any' option can increase the number of records matching your criteria without watering down the relevance of your query. The query finds records that match your criteria and does some maths with the data: it returns the number of matching records, mean benefit, standard error and upper and lower 95th percentile boundaries for the distribution of your matched data. An explanation of these terms is available by clicking a link on the results page. Crudely put, the more records that match your criteria the more reliable the answer is likely to be, which underlines the importance of adding project records.

Other Queries

We are happy to add more queries to UKM2 and will not charge registered users for this service. Click the email link to suggest other queries. Note that, like any database, we can only build queries that use the existing fields and values in the database and adding fields or values after 2 years and 500+ records is an administrative nightmare.

Add

Clicking **Add** takes you to the project record input screen. One of the most frequent requests under the previous version of UK-MoRSE was for a single

page entry system. Reducing the number of fields and careful design have allowed us to deliver on this request.

Adding a record is simple: just fill in all the fields on the screen, many of which use drop-down selection lists, and click 'Submit' at the bottom. There are some important points to note. Firstly, all the fields relating to numbers are mandatory; the relaxation on casualties and KSI collisions being optional (as in the previous version) has been rescinded. Secondly, it is important to input the implementation date in the format 'yyyy-mm-dd', complete with the little dashes. Thirdly, please make sure your Ordnance Survey Grid References (OSGR) are 12 digits, i.e. 6 digit easting and 6 digit northing. If your records only use 5 digits, add a zero at the end. If the project covered a wide area or a long route, choose an OSGR somewhere in the middle. Finally, please note the difference between gross cost and net cost: gross cost includes design and construction of all works, including non-road safety works as well as significant traffic management and utilities works. The net cost includes only the design and construction of road safety works. If you really can't disaggregate your project costs then use an estimate. The reason for two cost fields is that many trunk road projects have significant traffic management and other costs and many projects now include non-road safety works. Failing to disaggregate these would make UKM2 poor at calculating cost benefit analyses, something we will be doing in future queries.

Edit

The **Edit** facility, to allow people to update the 'after' data for projects already in the system is not yet implemented, but will be soon.

Lounge

The Lounge, the live discussion space in UK-MoRSE, has not yet been transplanted from the old site, but will be soon.

LoungeTV

Clicking **LoungeTV** takes you to the first of several selection screens where you can choose to view an episode of our webTV programme where Naomi Cook interviews someone from the road safety or a related industry. Clicking on the chosen link opens the video file in Windows Media Player. Support for Apple files will follow soon. To get the most out of LoungeTV you will obviously need sound facilities (speakers or headphones). There is a link for reading more about LoungeTV.

Appendix 1: UK-MORSE 2.0 Database Fields

Field Name	Comment
Project_ID	Automatically generated record number
Trunk	Trunk road or local authority road
Urban	Urban or rural environment
Road_Class	M, A(M), A, B, C, or unclassified
Road_Number	Eg A1234
Road_Name	A free text field for the road name
Easting	The OSGR easting – 6 figures
Northing	The OSGR northing – 6 figures
Treatment	Single site, route, area etc
Component1	The primary component element of the project, e.g. traffic calming
Component2	The secondary element of the project e.g. mini-roundabout
Component3	The tertiary element of the project e.g. pedestrian guardrail
Imp_Date	The date the project was completed
Imp_Date2	A second implementation date for longer projects (optional)
Before_Data_Years	The number of years of 'before' data
Before_Coll	The number of collisions in the 'before' period
After_Data_Years	The number of years in the 'after' period (so far)
After_Coll	The number of collisions in the 'after' period
Target1	The target accident type the project addresses
Target2	Secondary accidents types the project may address
Target3	Other accident types the project may address
Gross_Cost	The cost including traffic management, utilities and non-RS work
Net_Cost	The cost of designing & building the road safety aspects of the project
Synergy	Did the project include non-road safety aspects
Service_ID	Unique identifier for registered user organisations and partnerships
User_ID	User's email address
Before_Cas	The number of casualties in the 'before' period
After_Cas	The number of casualties in the 'after' period
Before_KSI	The number of KSI collisions in the 'before' period
After_KSI	The number of KSI collisions in the 'after' period
Location	A free text field for more location info or other comments (optional)