This user guide accompanies the Unit Record Crash Data map. The map shows the density of all crashes, and the location of each individual recorded crash by severity level (ie non-injury, minor injury, serious injury and fatal). It also contains additional information relating to the crash, such as year the crash occurred and the Territorial Authority in which it occurred. Data from the map can be selected and exported as csv, feature collection or GeoJSON.

You can access the Crash Analysis System (CAS) data on MapHub by typing https://maphub.nzta.govt.nz/cas/ into your internet browser.

For best performance, we recommend you use Google Chrome to access MapHub.
LAYOUT AND FEATURES

ABOUT MAP

ZOOM

ATTRIBUTES TABLE
Access further details of data in the operational layer in a tabular view.

DEFAULT EXTENT
Return the map view to its default

SEARCH
Find locations on the map by typing a specific address, road, suburb or place.

CHARTS
Displays the data attributes as a chart. Specify a spatial filter to include only a particular region.

TOTAL CRASHES
A count of the total crashes by severity within the current extent.

BASEMAP
Displays gallery of available basemaps.

SELECT
Interactively select data and take actions on those features.

LAYER LIST
Displays list of available layers for the map. Layers can be turned on and off.

MY LOCATION
Zooms to your current location on the map.

COLLAPSE/EXPAND THE SIDE BAR MENU

LEGEND
Key to the data and elements that can display in the main map.

SCALE AND CO-ORDINATES
TOOLS AND FEATURES

Tools in the map

**ZOOM**
Zoom in and out of the map.

**DEFAULT VIEW**
Return the map view to its default.

**MY LOCATION**
Will zoom the map to your current location (if enabled within your web browser).

**BASEMAP**
Click to display the gallery of available basemaps/backgrounds.

**TOTAL CRASHES (BY SEVERITY)**
Returns an information summary count of the total crashes by severity within the current window extent.

**CHARTS**
Explore map features in chart format to observe possible patterns or trends in the raw data.

**SEARCH**
Search features on the map using an address or place name.

EXPAND ATTRIBUTE TABLE
Click the up arrow at the bottom of the app to display a tabular view of data layers visible on the map.

COLLAPSE ATTRIBUTE TABLE
Click the down arrow above the table to collapse the attribute information.
Sidebar tools

**ABOUT MAP**
Shows the description and constraints about the map currently displayed.

**LEGEND**
Key to the data represented on the map

**LAYER LIST**
Displays a list of layers that can be turned on/off in the map.

**SELECT**
Allows you to select data in the map and complete a range of actions including exporting the selection.

**EXPAND MENU**
Click the arrow in the bottom left hand corner to expand the menu.

**COLLAPSE MENU**
Click the arrow in the bottom right corner to collapse the menu.
How to generate an information summary

CHARTS
Charts produce a graphical summary of data points.

GENERAL OVERVIEW
Clicking the Total Crashes icon generates a pop-up window detailing the number of point features in the current map extent relating to each category of severity.

DETAILED SUMMARY
To see all crashes by the relevant severity level, click on one of the four severity options available.
How to generate a chart

CHARTS
Charts produce a graphical summary of data points.

CHART ITEM
Charts can be generated either for the total fatal crashes by year or total fatal crashes by speed limit zone.

SPATIAL FILTERS
Using a spatial filter will limit the features included in the chart to only those within a specified geographical boundary.
A spatial filter may be defined as either the current map area or one which is user-defined.

APPLYING A FILTER
The example to the right demonstrates the use of a circular spatial filter.
Applying this filter will produce a chart drawing only from the information contained within the circular boundary.

CHART OUTPUT
The example to the right demonstrates the use of a circular spatial filter.
Applying this filter will produce a chart drawing only from the information contained within the circular boundary.
How to export data using select

SELECT

The select tool allows you to interactively select features for further investigation. This can then be used to export specific features.

DEFINING A REGION OF INTEREST

Click the down arrow next to Select to specify the shape by which to select – either rectangle, polygon or circle.

SELECT BY POLYGON

The example to the right demonstrates the select by polygon feature.

To select by polygon, begin drawing your desired shape using a single click to add vertices and double click to complete the shape.

SELECTED FEATURES

Selected features are then highlighted in bright blue to differentiate them from data that does not fall within the desired boundary.

EXPORTING SELECTED DATA

Click the icon to access advanced options for a particular level of crash severity.

From the drop down list, options to export the selected data include CSV, feature collection or GeoJSON. Once selected, data will automatically begin to download.

When finished, clear the selection by clicking Clear.