Traffic Collision Analysis Software

Accurate data validation, analysis and reporting all in one product

TRANSOFT SOLUTIONS

KEYACCIDENT

30.80 — 33.60
28.00 — 30.80
25.20 — 28.00
22.40 — 25.20
19.60 — 22.40
16.80 — 19.60
14.00 — 16.80
11.20 — 14.00
8.40 — 11.20
5.60 — 8.40
2.80 — 5.60
0.00 — 2.80

Improve road travel safety with KeyACCIDENT, UK's leading traffic collision and casualty analysis system. KeyACCIDENT is a robust software package through which you can identify clusters of collision records and do detailed analysis to detect accident patterns and possible causes. Easily produce useful diagrams or comprehensive statistical or narrative reports to inform decisions about road or site improvements—and then automatically monitor those sites on an ongoing basis.

Benefits

Gain a deeper understanding of where and when road accidents happen

People's ability to travel safely on roads is a priority across the region. With KeyACCIDENT's sophisticated database and search functions, cities and local governments can better understand where and when road traffic collisions happen. KeyACCIDENT's quick and efficient data capture is compliant with Department for Transport's STATS19.

Make smarter traffic and infrastructure decisions to proactively prevent problems

With KeyACCIDENT, it's simple to search geographical areas for collision and casualty data, so you can identify clusters of collisions and investigate potential treatable sites. Once safety schemes at locations have been implemented, KeyACCIDENT allows you to monitor the locations and other sites of interest, and to track area-wide progress towards casualty reduction targets.
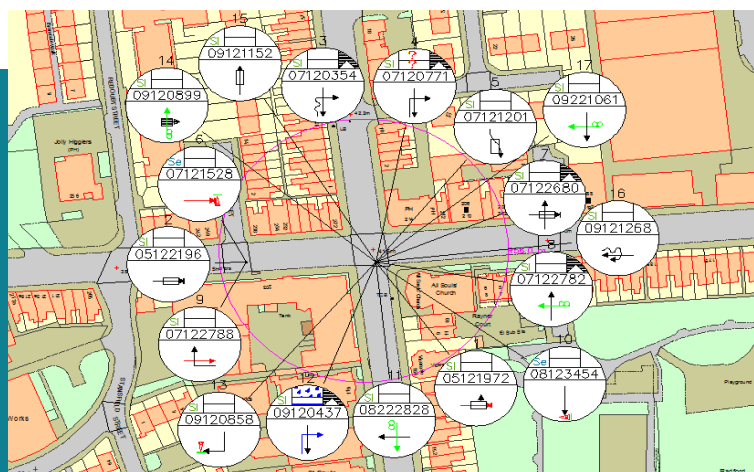
Save time with rapid search functions and user-friendly tools

Multiple sites can be found quickly so that your time can be spent on the detailed analysis, rather than on searching. KeyACCIDENT's easy-to-use tools can handle simple or complex data analysis, and collision and casualty data can be sorted by a variety of attributes,

including sites with highest rates or most recent accidents, or incidents involving pedestrians, motorcycles, or adverse conditions. Manage data through the database module or the geographic module. A separate data entry module also allows you to create individual records.

Produce compelling reports and collision diagrams

KeyACCIDENT's helpful features include the ability to easily produce accident plots and graphic representations of the collision and casualty data within a search area. You can also choose from more than 50 graphs, charts, and statistical and narrative reports that are automatically generated from your selected data—or create your own with the Cross Tab report.

Features

Collect and manage data easily

The database module allows for smooth management of collision data as well as advanced interrogation of the database. The data entry module allows for the creation of individual reports. With interactive maps you can locate the site—and Ordnance Survey coordinates are automatically inserted for each record. Collisions can be located to within one metre of the incident location. Validation checks are compliant to STATS19.
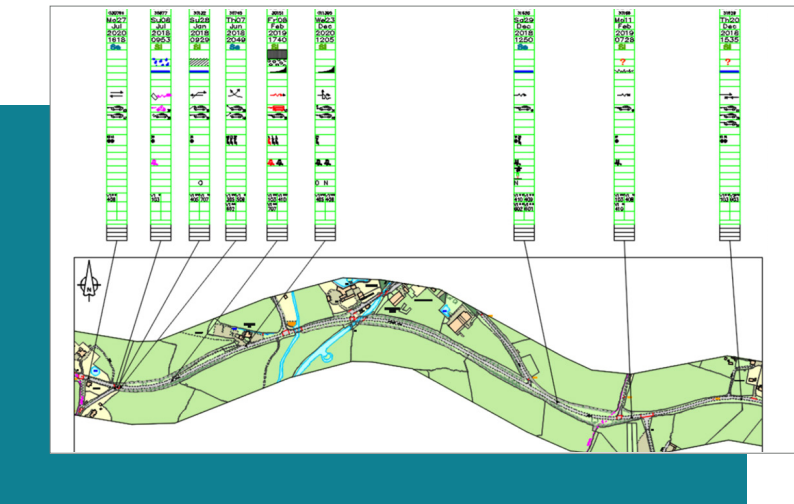

Conduct geographic area searches

Enquiries can be made geographically with the GIS module, using circular, rectangular, irregular polygon, buffer, or whole-view search areas. Searches can also use other boundaries, such as District and Local Authority areas. Diagrammatic collision symbols can then be displayed automatically. If you're using KeyOSC Mapper, you can include the latest OS Mastermap® mapping.

Create useful collision diagrams

It is easy to create graphic representation of the collision and casualty data within an area. Generate 'stick diagrams' to show details of a geographic or database search; then sort them to show collisions with common attributes. These diagrams can be produced in a grid or to annotate a geographic search.

They can be grouped together or drawn individually with a leader pointing on a map to the recorded location of the collision. You can also readily create balloon symbols that highlight weather, road surface and lighting conditions, alongside collision diagrams and collision severities. These can be plotted with leaders pointing to the recorded location.

With the heat mapping function, you can show concentrations of accidents clearly, with colours representing severity rates or rates per million vehicles annually.

Search and analyse clusters of collisions

With KeyACCIDENT's sophisticated search functions, you can identify sites automatically with clusters of road traffic collisions. Ranking tools can prioritise sites with more recent collisions or the highest accident or casualty severities.

The user-friendly search wizard also allows you to identify different types of clusters, such as pedestrians, motorcycles, adverse conditions, etc. Use the results to produce reports, plot them on a map with the GIS module, or save them for future use.
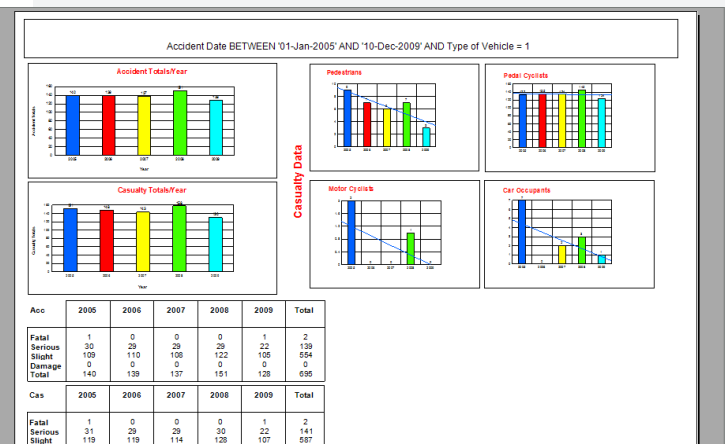
Choose from an extensive range of reports

KeyACCIDENT includes more than 50 reports, graphs, and charts that can be produced automatically. For example, table reports can be generated by selecting any field combination from the accident, vehicle, and casualty tables. Summaries can be produced to compare norms throughout the whole area.

Plus, you can create your own flexible reports, graphs, and charts. When using SAP® Crystal Reports® (not included) to generate custom reports, you can import them into KeyACCIDENT, and view their search results alongside the many standard reports.

Monitor sites and implemented safety measures

Once sites have been identified and remedial treatments applied, accident and casualty levels can be monitored on an ongoing basis using the site monitoring function, which produces reports automatically for multiple selected sites. The same tool is ideal for monitoring progress towards area-wide casualty reduction targets.

Platform Requirements

Supports the current and three previous versions of AutoCAD series of products.

System Requirements

- Full support 64-bit operating systems
- Workstation: Windows® 10 or 11 (version 1809 or higher)
- Network: Windows® Server 2016 and 2019

With KeyACCIDENT, you can identify sites with clusters of road traffic collisions automatically. Ranking tools can prioritise sites with more recent collisions or the highest accident or casualty severities.

Severity Weighted Accident Rate *
(range of weighted values)

- 🟥 47.60 — 51.00
- 🟧 44.20 — 47.60
- 🟧 40.80 — 44.20
- 🟧 37.40 — 40.80
- 🟨 34.00 — 37.40
- 🟨 30.60 — 34.00
- 🟩 27.20 — 30.60
- 🟩 23.80 — 27.20
- 🟩 20.40 — 23.80
- 🟩 17.00 — 20.40
- 🟩 13.60 — 17.00
- 🟩 10.20 — 13.60
- 🟩 6.80 — 10.20
- 🟩 3.40 — 6.80
- 🟦 0.00 — 3.40

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