

Killed or Seriously Injured (KSI) Collisions

Description

This Killed or Seriously Injured (KSI) dataset is a subset from all traffic collision events. The source of the data comes from police reports where an officer attended an event related to a traffic collision. Please note that this dataset does not include all traffic collision events. The KSI data only includes events where a person sustained a major or fatal injury in a traffic collision event. The definitions included in Appendix B relate to the severity of injury used to classify the events in this dataset. Other injury types including minor or none are associated to every individual included in the event.

The KSI data includes a record (row) for every person involved in the collision event regardless of their level of injury, it includes everyone who was involved in a particular collision event. The field "Index" provides an arbitrary unique identification for every record in the entire dataset. The "ACCNUM" is a unique identification for each traffic collision event. Since the data includes every person involved in a collision event, this identification is duplicated. Please note that this number is not unique and it may repeat year over year. Careful consideration must be made when creating a subset for unique events, as the detailed information provided is for every person involved and its associated role and information may be lost.

For example, the event with ACCNUM=6000607400 has 5 persons involved in the collision (5 records). The field "INVTYPE" indicates the role of the person in the collision event. The "INVAGE" indicates the age range of the person and the "INJURY" type indicates the level of injury they sustained. Therefore, this event can be interpreted in the following way:

1. Passenger 1 age 20 to 24 sustained a fatal injury.
2. Passenger 2 age 15-19 sustained a fatal injury.
3. Passenger 3 age 20 to 24 sustained a major injury
4. Driver age 1 20 to 24 sustained a major injury.
5. Driver 2 age 45 to 49 sustained a major injury.

Synopsis: "IMPACTYPE" indicates this was a rear-end type of collision. "MANOUVER", "DRIVACT" and "DRIVCON" indicates Driver 2 stopped, was driving properly and in normal condition. However, Driver 1 was changing lanes, sped too fast for conditions and had been drinking. There are thirteen categories related to the type of event. Each record is flagged with a "Yes" if this collision is considered to fall under this criteria. Definitions for those categories are provided below.

Format: CSV, KML, Shapefile, GeoJSON

Data Field Descriptions

Field	Field Name	Description
1	INDEX_	Unique Identifier
2	ACCNUM	Accident Number
3	YEAR	Year Collision Occurred
4	DATE	Date Collision Occurred (time is displayed in UTC format when downloaded as a CSV)
5	TIME	Time Collision Occurred
7	STREET1	Street Collision Occurred
8	STREET2	Street Collision Occurred
9	OFFSET	Distance and direction of the Collision
10	ROAD_CLASS	Road Classification
11	DISTRICT	City District
12	WARDNUM	City of Toronto Ward collision occurred
13	LATITUDE	Latitude
14	LONGITUDE	Longitude
15	LOCCOORD	Location Coordinate
16	ACCLOC	Collision Location
17	TRAFFCTL	Traffic Control Type
18	VISIBILITY	Environment Condition
19	LIGHT	Light Condition
20	RDSFCOND	Road Surface Condition
21	ACCLASS	Classification of Accident
22	IMPACTYPE	Initial Impact Type
23	INVTYPE	Involvement Type
24	INVAGE	Age of Involved Party
25	INJURY	Severity of Injury
26	FATAL_NO	Sequential Number
27	INITDIR	Initial Direction of Travel
28	VEHTYPE	Type of Vehicle

29	MANOEUVER	Vehicle Manoeuvre
30	DRIVACT	Apparent Driver Action
31	DRIVCOND	Driver Condition
32	PEDTYPE	Pedestrian Crash Type - detail
33	PEDACT	Pedestrian Action
34	PEDCOND	Condition of Pedestrian
35	CYCLISTYPE	Cyclist Crash Type - detail
36	CYCACT	Cyclist Action
37	CYCCOND	Cyclist Condition
38	PEDESTRIAN	Pedestrian Involved In Collision
39	CYCLIST	Cyclists Involved in Collision
40	AUTOMOBILE	Driver Involved in Collision
41	MOTORCYCLE	Motorcyclist Involved in Collision
42	TRUCK	Truck Driver Involved in Collision
43	TRSN_CITY_VEH	Transit or City Vehicle Involved in Collision
44	EMERG_VEH	Emergency Vehicle Involved in Collision
45	PASSENGER	Passenger Involved in Collision
46	SPEEDING	Speeding Related Collision
47	AG_DRIV	Aggressive and Distracted Driving Collision
48	REDLIGHT	Red Light Related Collision
49	ALCOHOL	Alcohol Related Collision
50	DISABILITY	Medical or Physical Disability Related Collision
51	HOOD_158	Unique ID for City of Toronto Neighbourhood (new)
52	NEIGHBOURHOOD_158	City of Toronto Neighbourhood name (new)
53	HOOD_140	Unique ID for City of Toronto Neighbourhood (old)
54	NEIGHBOURHOOD_140	City of Toronto Neighbourhood name (old)
55	DIVISION	Toronto Police Service Division
56	ObjectID	Unique Identifier (auto generated)

Open Analytics

The Toronto Police Service currently only provides a [Historical](#) Killed or Seriously Injured Traffic Collisions report. These [historical reports](#) are available for each individual Killed or Serially Injured category.

Web Mapping Applications

The [Fatal Traffic Collisions](#) includes historical fatal traffic collisions only, a subset of the Killed or Serially Injured dataset.