# Safety Data Viewer Advanced Queries Crash History Tables Documentation

SDV provides crash injury stastics with 13 fields of crash attribute:

* **Year:** Year in which crash occurred
  + case\_year (int)
* **Time of Day:** Time at which crash occurred
  + accd\_tme (timestamp)
* **Traffic Control (character varying):** Type of the Traffic Control
  + traf\_cntrl (character varying)
* **Ped Action (character varying):** Pedestrian Action at time of Crash
  + ped\_actn (character varying)
* **Severity (character varying):** Severity of injured victim
  + ext\_of\_inj (character varying)
* **Loc (character varying):** Location type at which crash occurred
  + loc (character varying)
* **Mode:** Mode of travel of injured victim
  + accd\_type\_int (int)
  + accd\_typ (character varying)
* **Taxi/Livery:** Wether vehicle involved was a taxi or livery
* **Vehicle Type:** The type of vehicle involed in crash
* **MVO Pre Action:** Motor Vehicle Action at time of Crash
* **Bike Pre Action:** Bike Action at time of Crash
* **Age:** Age of injured victim
* **Sex:** Sex of injured victim

**Initial Table Containing All NYSDOT Information for Study Stretch**

*Creating the initial table for advanced querying is highly recommended. By doing so, all cross tab queries can be queried from it.*

* Includes all segment and node crashes for study stretch
  + After retrieving all segments of the stretch from the safety data viewer, all nodes on the stretch are obtained by joning to lion
* Tables
  + archive."2019\_11\_13\_nysdot\_all"
  + archive."18d.2019-11-13\_lion"
* Clauses
  + exclude = 0
  + case\_yr between 2013 and 2017

1. Injury Summary

Description: This is the sum of total injuries, severe injuries, KSI, and fatalities by mode on a selected corridor. Severe injuries come from ‘A’s in the ext\_of\_inj column in nysdot\_all, and fatalities come from the fatality\_nycdot\_current table. The KSI is the sum of severe injuries and fatalities.

Tables used

* Nysdot\_all
* Fatality\_nycdot\_current

Parameters:

* Accd\_type\_int (nysdot\_all)
  + 1= pedestrian crash
  + 2=bicyclist crash
  + 3=motor vehicle crash
* Mode (fatality\_nycdot\_current)
  + PD=pedestrian
  + BI=bicyclists
  + MO, PS, or DR=Motor Vehicle
* Ext\_of\_inj (severe crashes)
  + Severe injuries is the count of ‘A’s in ext\_of\_inj
  + Unknown severity is the total number letters in the ext\_of\_inj field subtracted from the total number of injuries and fatalities (from the nysdot\_all table)
* There are no unknown modes in the data