Crash Data Queries through Kentucky State Police Collision Analysis for the Public Site

The following is a list of instructions and examples to help in running crash data queries commonly used by Highway Safety Grantees and typical requests related to highway safety efforts. The types of queries covered are listed below. If you have questions regarding these examples, please contact the Kentucky Office of Highway Safety at (502) 564-1438.

Query types covered (Click on links below to move directly to each query type)

- City or County crash totals (general query set up/criteria)
- Speed related crashes
- Impaired driving related crashes (both alcohol and drugs)
- Motorcycle crashes
- Young Driver crashes (crashes by age category)
- Distracted driving crashes

General set up

Website address - http://crashinformationky.org/AdvancedSearch

From here the following screen will appear.

Setting Up Queries for County or City Crash totals (General Query Setup)

The following are the properties (search criteria) one needs to add in order to run this type of query –

Click on Add Property to add the necessary information below -

- Collision date range
  - click on" is equal to" and change to "between"
- County and/or City Name (If interested in Statewide data, skip this criteria)
- Land Use Code **– Under Show All**
  - click on "is equal to" and change to "is NOT equal to" – Private Property
- Parking Lot Indicator **– Under Show All**
  - click on "is true" and change to "is not true"

Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results-

Setting Up Queries for Speed Related Crashes

In order to pull the data for speed related crashes, you will use the same general query set up as used for the county or city totals.

Hover on the top row of the query window and click on the far + sign to add multiple (group of) criteria –

> Add 1st criteria - **Human Factor is equal to - Exceeded Stated Speed Limit**

Hover on the that says "and <u>any</u> of the following apply" and click on the first + sign for add condition, and choose Human Factor Code

> Set 2nd criteria - **Human Factor is equal to - Too Fast For Conditions**

Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results –

Setting Up Queries for Impaired Driving Crashes

In order to pull the data for impaired driving crashes, you will use the same general query set up as used for Speed Related Crashes.   The only difference is the human factor criteria -

Human Factor Criteria –

- **Human Factor is equal to - Alcohol Involvement**
- **Human Factor is equal to - Drug Involvement**

Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results –

In order to pull the data for motorcycle crashes, you will use the same general query set up as used for the county or city totals.   The difference is that you will need to add one additional criteria for Unit Type.

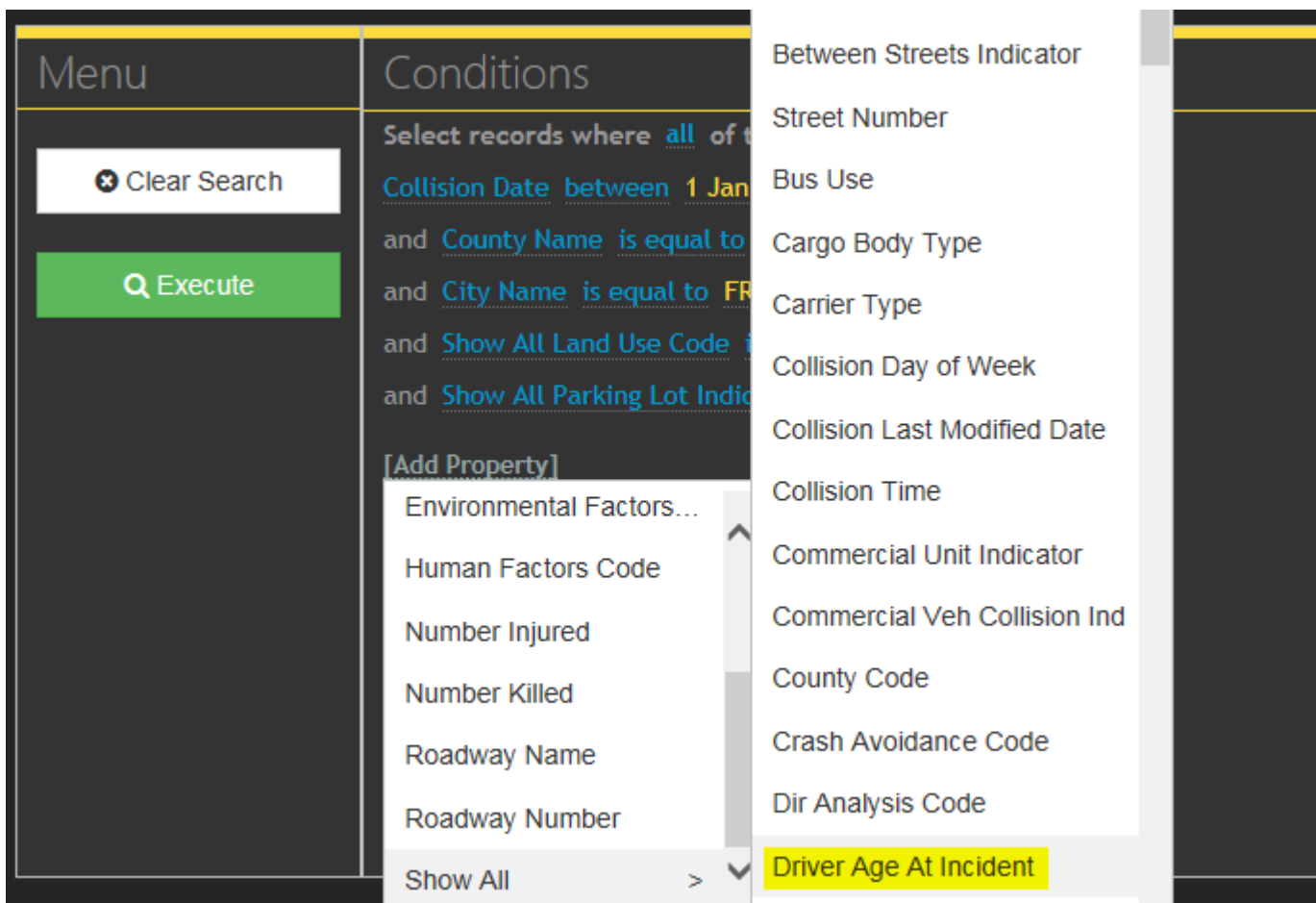- Add criteria: **Unit Type Code is equal to** - **Motorcycle** - **Under Show All**

Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results –

Setting Up Queries for Young Driver Crashes (Crashes by Driver's Age)

In order to pull the data for young driver crashes, you will use the same general query set up as used for the county or city totals.   The difference is that you will need to add one additional criteria for Drive Age.

- Add criteria: **Driver Age at Incident** - **Under Show All**
  - click on" is equal to" and change to "is between", and set to desired range (ex. 16-20)

Query should look similar to the picture below – Click Execute when ready to run.

Menu

Conditions

Select records where **all** of the following apply

Collision Date between 1 January 2017 and 31 December 2017

and County Name is equal to FRANKLIN

and City Name is equal to FRANKFORT (FRANKLIN CO)

and Show All Land Use Code is not equal to PRIVATE PROPERTY

and Show All Parking Lot Indicator is not true

and Show All Driver Age At Incident is between 16 and 20

Clear Search

Q Execute

Query Results – Click on the arrow next to Collision to expand the results –

<u>**Setting Up Queries for Distracted Driving Crashes**</u>

In order to pull the data for distracted driving crashes, you will use the same general query set up as used for speed related crashes shown above. The only difference is the human factor criteria -

Human Factor Criteria –

- **Human Factor is equal to – Cell Phone**
- **Human Factor is equal to - Distraction**
- **Human Factor is equal to - Inattention**

<u>Query should look similar to the picture below – Click Execute when ready to run.</u>

<u>Query Results</u> – Click on the arrow next to Collision to expand the results –