**1. Total Casualties For Current Year and Year on Year Growth**

(a) Current Year To Date Casualties -- CY Casualties Measure

* CY Casualties = TOTALYTD(SUM(Data[Number\_of\_Casualties]), 'Calendar'[Date])

(b) Previous Year Casualties -- PY Casualties Measure

* PY Casualties = CALCULATE(SUM(Data[Number\_of\_Casualties]), SAMEPERIODLASTYEAR('Calendar'[Date]))

(c) Year on Year Growth of Casualties - YoY Casualties Measure

* YoY Casualties = ([CY Casualties] - [PY Casualties])/[PY Casualties]

(d) Current Year Fatal Casualties

* CY Fatal Casualties = TOTALYTD(SUM(Data[Number\_of\_Casualties]),Data[Accident Date],Data[Accident\_Severity]="Fatal")

(e) Previous Year Fatal Casualties

* PY Fatal Casualities = CALCULATE(sum(Data[Number\_of\_Casualties]),SAMEPERIODLASTYEAR(Data[Accident Date]),Data[Accident\_Severity]="Fatal")

(f) Year on Year Change in fatal casualties

* YOY Fatal Casualities = ([CY Fatal Casualities]-[PY Fatal Casualities])/[PY Fatal Casualities]

Same dax for slight and severe accident type.

**2. Total Accidents for Current Year and Year on Year Growth**

(a) Current Year Accidents Count -- CY Accidents Count Measure

* CY Accidents Count = TOTALYTD(COUNT(Data[Accident\_Index]), 'Calendar'[Date])

(b) Previous Year Accidents Count -- PY Accidents Count Measure

* PY Accidents Count = CALCULATE(COUNT(Data[Accident\_Index]), SAMEPERIODLASTYEAR('Calendar'[Date]))

(c) Year on Year Growth of Accidents - YoY Accidents Measure

* YoY Accidents = ([CY Accidents Count]-[PY Accidents Count])/[PY Accidents Count]