



Kurdistan regional government
Ministry of planning
Kurdistan region statistics Office



Road Traffic accidents in Kurdistan Region of Iraq 2016

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For more information please contact:

Email: contact@krso.gov.krd

Website: www.krso.gov.krd

Tel: +964(0)662559170 / +964(0)7508963143

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Preface

Road traffic data is of great importance which KRSO annually collects in cooperation with traffic administrations in governorates and Garmiyan administration. KRSO presents this data in a report that covers indicators like, number of accidents, type of collision, place of accident, number of victims and the cause of the accidents, whether because of roads, drivers, or other reasons in order to be used in solving road problems and reducing road traffic accidents.

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Introduction

Transportation is of great importance for people. It nearly covers all aspect of our life, of which we can mention traveling, performing economic activities, earning livelihood and for many other purposes we need to transfer.

For transportation, we use different means and methods such as land roads, sea and air ways. Transportation has become an inseparable part of human life in term of providing our needs. For this reason, we need to expand efforts to provide better transportation in order to reduce unwilling traffic accidents which cause fatal or non-fatal injuries.

To achieve better results, we need data on road traffic that is collected by Kurdistan region statistics office and maid it available in a report on a year basis. The main indicators like, the number of road traffic accidents, the cause of accident, also number of injuries by government, month and daytimes are presented in tables and figures forms that can be used by users to meet their needs. □

Objectives and advantages

Kurdistan region Statistics Office (KRSO) as the official data center and reliable source for statistical data is the first place that is responsible in providing data to users. One of the aims is to empower this center with various statistical data. No doubt, gathering statistical data in a specific place like KRSO could be in benefit of users to achieve reliable data in a faster way. The report provides the most important indicators on road traffic accidents that help those who work in traffic field and those who intend to improve transportation through evidence based planning that meet people needs and reducing road traffic damages.

Data collecting

Working together with government statistical directorates, KRSO receives annual road traffic statistics from traffic directorates. After reviewing and arranging this data in KRSO, the most important indicators would be picked out and presented in statistical tables and figure in an annual report.

Terminology and concepts

Road: it refers to street, allay, railway or any open way, which people can use to get from one place to the other whatever it is near or far, main road or sub-road, with one or two direction.

Traffic signs: it refers to the signals or marks that are placed beside of roads to transmit information, instruction, and warning in order to insure road users' safety.

Means of transportation: it refers to any kinds of facilities which are used to transport people or cargo through air, water and especially land.

road traffic accident: it refers to a sudden event that occurs when a moving vehicle collides with another vehicle, pedestrian, animal or any other object in a road as a result of high speed driving, overtaking, talk on a cell phone, send a text message or other reasons that causes physical and material damages. Road traffic accidents are different:

- a) Collision: it happens when a moving object (vehicle) collide with another moving of immobile object (vehicle, pedestrian, wall, tree, pole)
- b) Overturning (rollover): it means losing the balance of moving object (vehicle) in which the vehicle ends up on its side or upside down and results physical and material damage.
- c) Run over: it refers to collision of vehicle with a soft object (human or animal) and causes physical and material damage.
- d) Other: it includes accidents like car burning while moving, falling from a height, sinking in water...

The main results

1. Number of traffic accidents

The number of traffic accidents in Kurdistan region is reported to be 4,040 in 2016. Of these, 511 accidents caused death accounted for 12.6% and 3,529 accidents with no death accounted for 87.4%.

2. Crashed/collision

Traffic accidents in Kurdistan region for 2016 recorded as following: collision between cars (2,509) recorded the highest rate at 62.1%, overturned cars (801) recorded at 19.8%, pedestrian collision (515) recorded at 12.8%, and other traffic accidents (215) accounted for 5.3%.

3. Road traffic victims

According to road traffic statistics in 2016, the road traffic victims amounted to 9,263. of this, 685 deaths (7.4%) and 8,578 injured (92.6%).

4. Causes of traffic accident

The results reveal that most car accidents were caused by drivers themselves. 2,206 of car accidents (54.6%) in 2016 were caused by drivers, 1,302 (32.2%) caused by unreliable cars, 54 (1.3%) caused by not safe roads, 40 (1.0%) by companions, 420 (10.4%) by pedestrians, and 18 (0.5%) by another reasons.

5. Car accidents by months

September with 431 car accidents recorded the highest rate (10.7%) in Kurdistan region compared to other months followed by August (10.5%) with 427 car accidents, October (9.2%) with 371 car accidents and other months all together (69.6%) with 2,811 car accident in 2016.

6. Car accident by governorates

The available data for 2016 shows that the highest rate of road traffic accidents in Kurdistan region happened in Erbil governorate (35.6%) with 1,439 accidents followed by Sulaimani governorate (30.6%) with 1,234 accident, Duhok governorate (29.1%) with 1,177 car accidents, and Garmiyani administration (4.7%) with 190 car accidents recorded the lowest rate.

7. Car accident by the times of the day

According to the results of road traffic in 2016 , the most accidents (59.6%) that is of 2,408 accidents happened during day time in Kurdistan region, 1,346 accidents were recorded at night time (33.3%), dawn recorded 172 accidents (4.3%), and 114 accidents were recorded during dusk time (2.8%).

No. road traffic accidents by governorates in Kurdistan region 2016

| Erbil | Sulaimani | Duhok | Garmiyan | Total |
|-------|-----------|-------|----------|-------|
| 1,439 | 1,234 | 1,177 | 190 | 4,040 |

No. road traffic accidents by causes in Kurdistan region 2016

| Road | Car | Driver | Pedestrian | Companion | Other | Total |
|------|-------|--------|------------|-----------|-------|-------|
| 54 | 1,302 | 2,206 | 420 | 40 | 18 | 4,040 |

Table 1: No. road traffic accident by the type of collision and casualty in Kurdistan region 2016

| Casualty | | Type of car accident | | | | Total |
|-------------------------------------|----------|------------------------|-----------------|---------------------------|-------|-------|
| | | collision between cars | Car overturning | collision with pedestrian | Other | |
| No. road traffic accident by injury | Death | 258 | 122 | 125 | 6 | 511 |
| | No death | 2,251 | 679 | 390 | 209 | 3,529 |
| | Total | 2,509 | 801 | 515 | 215 | 4,040 |

Figure 1 : No. road traffic accidents by type of casualty and collision in Kurdistan region 2016

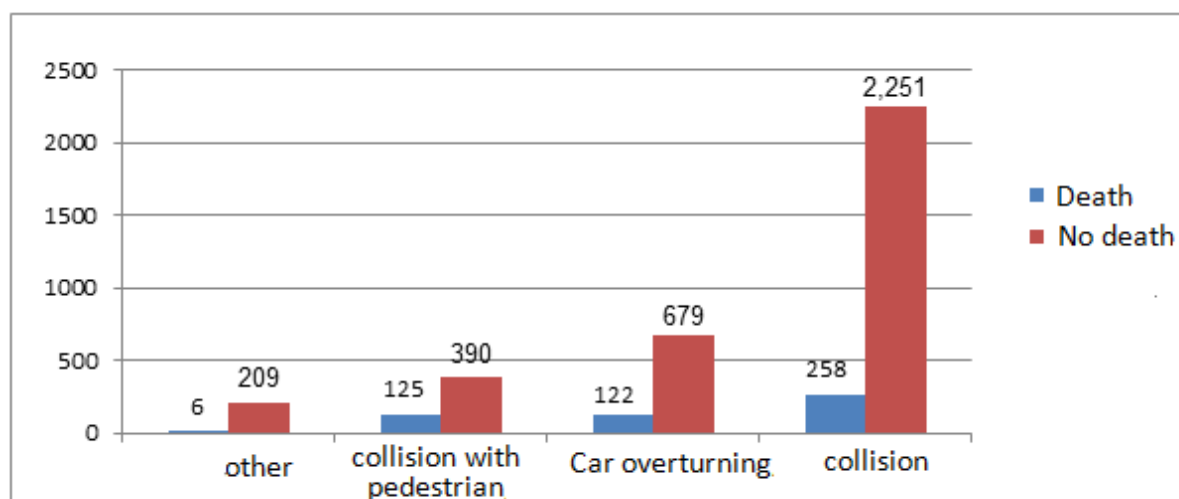


Table 2: No. traffic accidents by road classification in Kurdistan region 2016

| | Road classification | Number |
|--|---------------------|--------|
| Number of accidents by road classification | Main road | 3,517 |
| | Sub-road | 338 |
| | Village road | 185 |
| | Total | 4,040 |

Table 3: No. road traffic accidents by day times in Kurdistan region 2016

| Day times | Number |
|-----------|--------|
| Dawn | 172 |
| Dusk | 114 |
| Day | 2,408 |
| Night | 1,346 |
| Total | 4,040 |

Table4 : number of deaths and wounded in road traffics accidents by governorates in Kurdistan region 2016

| Governorate | Deaths | Wounded |
|-------------|--------|---------|
| Erbil | 242 | 1,483 |
| Sulaimani | 206 | 2,786 |
| Duhok | 205 | 4,003 |
| Garmiyani | 32 | 306 |
| Total | 685 | 8,578 |

Table 5: No. accidents by collision and governorates in Kurdistan region 2016

| Governorate | Type of collision | | | | Total |
|-------------|------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | overturning | Collision with pedestrian | Other | |
| Erbil | 884 | 261 | 277 | 17 | 1,439 |
| Sulaimani | 647 | 312 | 92 | 183 | 1,234 |
| Duhok | 866 | 187 | 119 | 5 | 1,177 |
| Garmiyani | 112 | 41 | 27 | 10 | 190 |
| Total | 2,509 | 801 | 515 | 215 | 4,040 |

Figure 2: No. accidents by governorates in Kurdistan region 2016

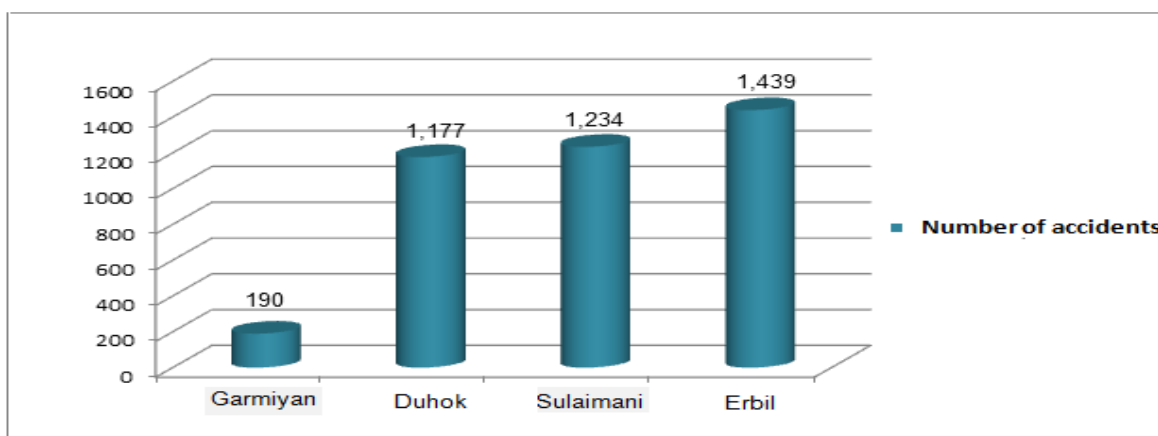


Table6 : No. road traffic accidents by months, and collision in Erbil governorate, Kurdistan region 2016

| Months | Type of collision | | | | |
|--------|------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | Overturning | Collision with pedestrian | Other | Total |
| Jan | 68 | 12 | 25 | 1 | 106 |
| Feb | 60 | 10 | 16 | 1 | 87 |
| Mar | 64 | 21 | 26 | 1 | 112 |
| Apr | 65 | 25 | 15 | 3 | 108 |
| May | 73 | 12 | 16 | 1 | 102 |
| June | 88 | 24 | 20 | 3 | 135 |
| July | 72 | 25 | 17 | 1 | 115 |
| Aug | 85 | 33 | 23 | 2 | 143 |
| Sep | 90 | 28 | 38 | 1 | 157 |
| Oct | 73 | 31 | 31 | - | 135 |
| Nov | 76 | 30 | 27 | 2 | 135 |
| Dec | 70 | 10 | 23 | 1 | 104 |
| Total | 884 | 261 | 277 | 17 | 1,439 |

Table 7: No. road traffic accidents by months, and collision in Sulaimani governorate, Kurdistan region 2016

| Months | Type of traffic accidents | | | | |
|--------|---------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | Overturning | Collision with pedestrian | Other | Total |
| Jan | 55 | 23 | 6 | 16 | 100 |
| Feb | 33 | 16 | 8 | 10 | 67 |
| Mar | 47 | 17 | 11 | 15 | 90 |
| Apr | 41 | 15 | 7 | 13 | 76 |
| May | 56 | 20 | 10 | 19 | 105 |
| June | 54 | 26 | 7 | 12 | 99 |
| July | 48 | 36 | 7 | 23 | 114 |
| Aug | 77 | 41 | 7 | 19 | 144 |
| Sep | 76 | 51 | 6 | 13 | 146 |
| Oct | 56 | 36 | 10 | 20 | 122 |
| Nov | 49 | 20 | 10 | 15 | 94 |
| Dec | 55 | 11 | 3 | 8 | 77 |
| Total | 647 | 312 | 92 | 183 | 1,234 |

Table 8: No. road traffic accidents by months, and collision in Duhok governorate, Kurdistan region 2016

| Months | Type of collision | | | | Total |
|--------|------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | Overturning | Collision with pedestrian | Other | |
| Jan | 76 | 14 | 8 | 1 | 99 |
| Feb | 58 | 14 | 9 | 2 | 83 |
| Mar | 66 | 19 | 6 | - | 91 |
| Apr | 67 | 10 | 6 | - | 83 |
| May | 80 | 16 | 16 | - | 112 |
| June | 70 | 19 | 16 | - | 105 |
| July | 69 | 20 | 8 | - | 97 |
| Aug | 90 | 24 | 10 | 1 | 125 |
| Sep | 69 | 23 | 12 | 1 | 105 |
| Oct | 73 | 9 | 11 | - | 93 |
| Nov | 75 | 9 | 12 | - | 96 |
| Dec | 73 | 10 | 5 | - | 88 |
| Total | 866 | 187 | 119 | 5 | 1,177 |

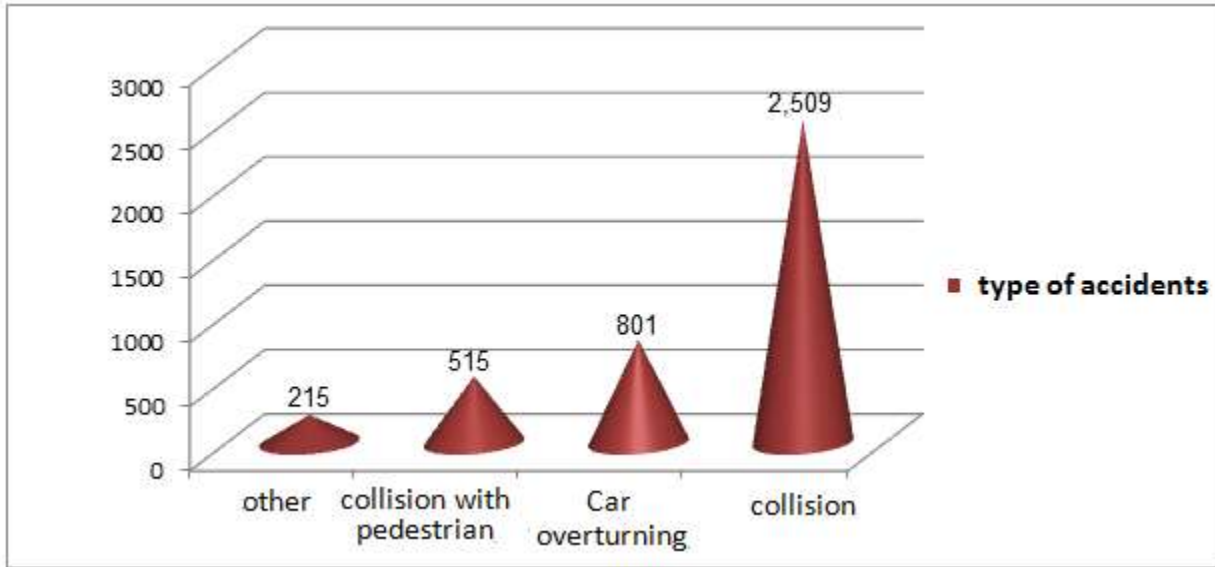
Table 9: No. road traffic accidents by months, and collision in Garmyan administration, Kurdistan region 2016

| Months | Type of traffic accidents | | | | |
|--------|---------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | Overturning | Collision with pedestrian | Other | Total |
| Jan | 15 | 2 | 1 | - | 18 |
| Feb | 5 | 1 | - | 1 | 7 |
| Mar | 10 | 2 | - | 1 | 13 |
| Apr | 6 | 2 | 2 | - | 10 |
| May | 8 | 4 | 4 | - | 16 |
| June | 6 | 4 | 2 | 1 | 13 |
| July | 1 | 6 | 2 | - | 9 |
| Aug | 9 | 5 | 1 | - | 15 |
| Sep | 11 | 7 | 4 | 1 | 23 |
| Oct | 8 | 4 | 5 | 4 | 21 |
| Nov | 18 | 4 | - | 2 | 24 |
| Dec | 15 | - | 6 | - | 21 |
| Total | 112 | 41 | 27 | 10 | 190 |

Table 10: No. road traffic accidents by months, and collision in Kurdistan region 2016

| Months | Type of collision | | | | Total |
|--------|------------------------|-------------|---------------------------|-------|-------|
| | Collision between cars | Overturning | Collision with pedestrian | Other | |
| Jan | 214 | 51 | 40 | 18 | 323 |
| Feb | 156 | 41 | 33 | 14 | 244 |
| Mar | 187 | 59 | 43 | 17 | 306 |
| Apr | 179 | 52 | 30 | 16 | 277 |
| May | 217 | 52 | 46 | 20 | 335 |
| June | 218 | 73 | 45 | 16 | 352 |
| July | 190 | 87 | 34 | 24 | 335 |
| Aug | 261 | 103 | 41 | 22 | 427 |
| Sep | 246 | 109 | 60 | 16 | 431 |
| Oct | 210 | 80 | 57 | 24 | 371 |
| Nov | 218 | 63 | 49 | 19 | 379 |
| Dec | 213 | 31 | 37 | 9 | 290 |
| Total | 2,509 | 801 | 515 | 215 | 4,040 |

Figure3 : No. road traffic accidents by collision at the level of Kurdistan region 2016



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