



Kurdistan regional government
Ministry of planning
Kurdistan region statistics Office



Road Traffic Accidents Report in Kurdistan Region of Iraq 2018

**Transportation and Communication Department
September 2019**

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Forward

Traffic accident statistics is of great importance and KRSO annually works on that to represent the size and its effects on traffic sector in Kurdistan region.

KRSO works in cooperation with traffic directorates in Kurdistan region governorates (KRI) to provide statistics on traffic accidents and different indicators like number and the type of accidents, place of accidents and the number of casualties. Data in 2018 reported 4,476 traffic accidents with 5,879 victims as the result of these accidents.

The intention is to provide credible data and necessary measures to be taken in addressing the main causes of traffic accidents whether caused by drivers or roads to provide a safe environment for all.

We find it necessary to thank traffic directorates for their contribution. Many thanks to the staff of transportation and communication statistics department in KRSO who collected data and made it available in this report.

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Introduction

Transportation is looked as sign of civilization or as human social and cultural development. Transportation has always a great role in social and economic aspects of human life. For this reason, government has always tried to expand land roads and other ways of transportation. Although, many progress has been made in transportation field, but human has always been at risk resulting from road accidents that caused human casualties and assets damages.

There are many reasons behind traffic accidents and revealing the causes could certainly minimize traffic accidents and this could not be possible without a reliable data. For this purpose, KRSO makes efforts to prepare an annual report on traffic accidents occur across Kurdistan region's governorates (Erbil, Sulaimani, Duhok, and Garmyan administration) through collecting road data from traffic administrations and makes it available in an annual report to be easily approached by users and used in decision making towards safe roads.

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 get 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, alley, railway or any open way, which people can use to get from one place to another whether 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 ...

Main Indicators

Number of traffic accidents: The number of traffic accidents in Kurdistan region is reported to be 4,476 in 2018. Of these, 569 accidents caused death accounted for 12.7% and 3,907 accidents with no death accounted for 87.3%.

Crash/collision: In Kurdistan region, 2,707 road accidents recorded as crash or collision between cars in 2018 accounted for 60.5% that was highest comparing to 1,001 collision with human (22.4%), 714 overturned cars (15.9%), and 54 cases as other traffic accidents (1.2%).

Road traffic victims: According to road traffic statistics in 2018, the road traffic victims amounted to 5,879. Of this, there were 705 dead (11.9%) and 5,174 injured (88.1 %.)

Causes of traffic accident

According to the report of road traffic 2018, the most car accidents were caused by drivers. 3,944 of car accidents (88.1%) in 2018 caused by drivers, 332 (7.4%) caused by unreliable automobiles, 90 (2%) caused by poor roads, 80 (1.8%) by companions, and 30 (0.7%) by other reasons.

Car accidents by months

August, September and July recorded the highest number of traffic accidents in 2018, with 439 car accidents in August (9.8%) takes the first rank followed by 427 road accidents in September (more than 9.5%), and 423 car accidents in July (more than 9.4%). the rest months recorded 3,187 road accidents accounted for 71.2%.

Car accident by governorates

The available data for 2018 shows that the highest rate of road traffic accidents in Kurdistan region happened in Sulaimani governorate (38.6%) with 1,729 accidents followed by Erbil governorate (29.8%) with 1,333 accident, Duhok governorate (24.4%) with 1,091 car accidents, and Garmiyan administration (7.2%) with 323 car accidents recorded the lowest rate.

Car accident by the times of the day

According to the results of road traffic in 2018, the most accidents (59.9%) that is of 2,680 accidents have been recorded during day time in Kurdistan region, 1,439 accidents at night (32%), dawn time recorded 175 accidents (3.9%), and 182 accidents have been recorded during sunset (4.1%).

Number of traffic accidents in Kurdistan region by governorates2018

Total	Garmyan	Duhok	Sulaimani	Erbil
4,476	323	1,091	1,729	1,333

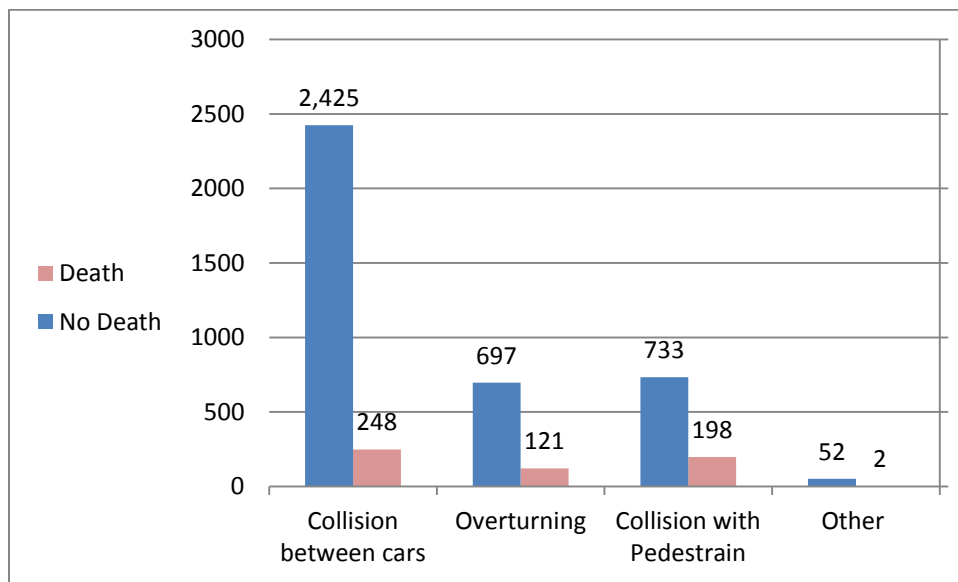
Number of Traffic Accidents in Kurdistan region by causes 2018

Road	Vehicle	Driver	Pedestrian	Companion	Other	Total
90	332	3,944	/	80	30	4,476

Table 1: Road Traffic Indicators in Kurdistan region in 2018

Casualties	Type of accidents				Total
	Collision between cars	Overturning	Collision with human	Other	
Death	248	121	198	2	569
No Death	2,425	697	733	52	3,907
Total	2,673	818	931	54	4,476

Figure 1: Number of Traffic Accidents by Casualty and Type of Accident in Kurdistan region 2018



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Table 2: Number of Traffic Accidents by Road Classification in Kurdistan region 2018

Road classification	Number
Main road	2,461
Sub-road	1,763
Village road	252
Total	4,476

Table 3: Number of Traffic Accidents by the Times of the Day in Kurdistan region 2018

The times of the day	Number of accidents
Sunrise	175
Sunset	182
Day	2,680
Night	1,439
Total	4,476

Table 4: Number of Dead and Injured in Traffic Accidents in Kurdistan region by Governorate 2018

Governorate	Dead	Injured
Erbil	273	1,442
Sulaimani	266	2,277
Duhok	117	1,071
Garmyan	49	38
Total	705	5,174

Table 5: Number of Traffic Accidents by Type of Accident and Governorate in Kurdistan region 2018

Governorate	Type of accident				Total
	Collision between cars	Overturning	Collision with pedestrian	Other	
Erbil	789	199	315	30	1,333
Sulaimani	1,006	352	362	9	1,729
Duhok	727	118	240	6	1,091
Garmyan	185	45	84	9	323
Total	2,707	714	1,001	54	4,476

Figure 2: Number of Traffic Accidents by Governorates in Kurdistan region 2018

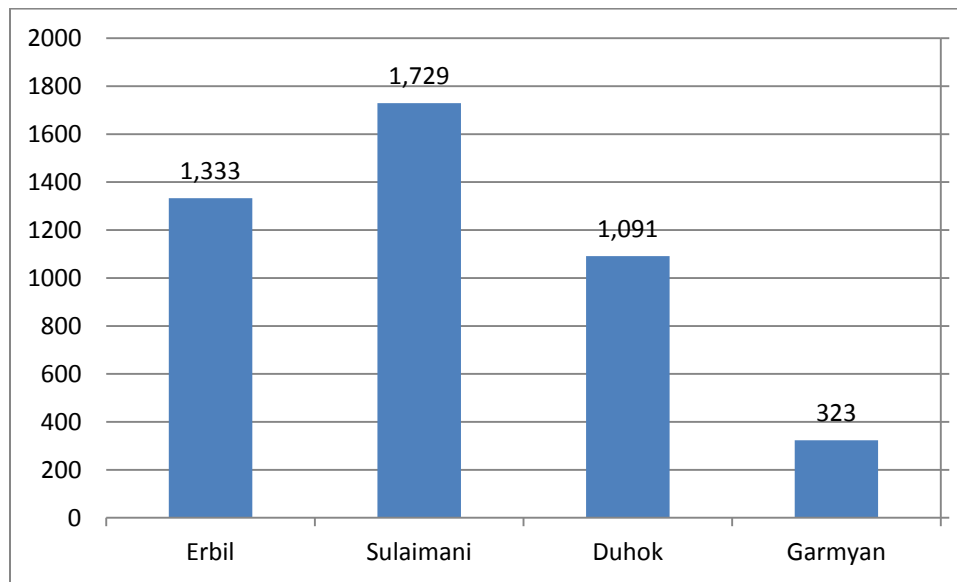


Table 6: Number of Traffic Accidents by Months and Type of Accidents in Erbil governorate 2018

Month	Type of accident				
	Collision between cars	Overturning	Collision with pedestrian	Other	Total
Jan	67	16	34	2	119
Feb	57	15	28	3	103
Mar	57	21	16	4	98
Apr	70	16	21	1	108
May	64	13	20	3	100
June	58	19	32	3	112
July	66	19	26	5	116
Aug	92	19	25	/	136
Sep	70	21	22	4	117
Oct	62	11	36	1	110
Nov	62	16	38	3	119
Dec	64	13	17	1	95
Total	789	199	315	30	1,333

Table 7: Number of Traffic Accidents by Months and Type of Accidents in Sulaimani governorate 2018

Month	Type of accident				
	Collision between cars	Overturning	Collision with pedestrian	Other	Total
Jan	59	17	19	/	95
Feb	76	29	35	2	142
Mar	77	22	37	/	136
Apr	87	26	37	1	151
May	73	19	23	1	116
June	88	45	30	/	163
July	91	49	43	1	184
Aug	107	43	33	/	183
Sep	106	24	35	2	167
Oct	96	23	29	/	148
Nov	89	32	23	/	144
Dec	57	23	18	2	100
Total	1,006	352	362	9	1,729

Table 8: Number of Traffic Accidents by Months and Type of Accidents in Duhok governorate 2018

Month	Type of accidents				Total
	Collision between cars	Overturning	Collision with Pedestrian	Other	
Jan	63	5	17	1	86
Feb	54	15	13	/	82
Mar	48	6	27	/	81
Apr	82	4	19	1	106
May	46	14	12	/	72
June	73	7	28	/	108
July	58	13	21	1	93
Aug	60	14	21	1	96
Sep	58	14	30	1	103
Oct	72	10	23	1	106
Nov	58	7	17	/	82
Dec	55	9	12	/	76
Total	727	118	240	6	1,091

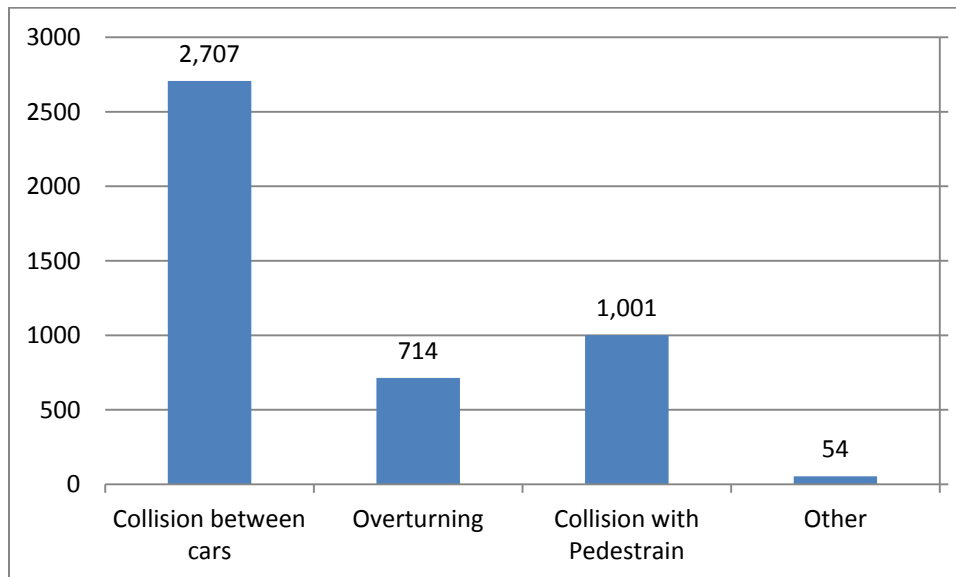
Table 9: Number of Traffic Accidents by Months and Type of Accidents in Garmyan administration 2018

Month	Type of accidents				Total
	Collision between cars	Overturning	Collision with Pedestrian	Other	
Jan	11	3	9	/	23
Feb	15	5	9	2	31
Mar	11	5	9	/	25
Apr	14	6	9	1	30
May	18	5	7	1	31
June	11	5	3	/	19
July	18	6	5	1	30
Aug	16	3	5	/	24
Sep	28	2	8	2	40
Oct	15	2	9	/	26
Nov	17	1	5	/	23
Dec	11	2	6	2	21
Total	185	45	84	9	323

Table 10: Number of Traffic Accidents at the level of Kurdistan region by Month and Type of Accidents 2018

Month	Type of accidents				Total
	Collision between cars	Overturning	Collision with Pedestrian	Other	
Jan	200	41	79	3	323
Feb	202	64	85	7	358
Mar	193	54	89	4	340
Apr	253	52	86	4	395
May	201	51	62	5	319
June	230	76	93	3	402
July	233	87	95	8	423
Aug	275	79	84	1	439
Sep	262	61	95	9	427
Oct	245	46	97	2	390
Nov	226	56	83	3	368
Dec	187	47	53	5	292
Total	2,707	714	1,001	54	4,476

Figure 3: Number of Traffic Accidents at the level of Kurdistan region by Type of Accidents 2018



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