



Kurdistan regional government
Ministry of planning
Kurdistan region statistics Office



Road Traffic Accidents Report in Kurdistan Region of Iraq 2017

Transportation and Communication Department

October 2019

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Suggested Citation:

Kurdistan Region Statistics Office, 2019, Transportation and Communication Department” *Road Traffic Accidents Report in Kurdistan Region of Iraq 2017*”

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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. According to data in 2018, the number of road accidents reached 3,958 accidents where it took 7,290 victims.

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, allay, 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) **Overtuning (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 reached 3,958 accidents in 2017. Of these, 483 accidents caused death accounted for 12.2% and 3,475 accidents with no death accounted for 87.8%.

Crash/collision: In Kurdistan region, 2,389 road accidents recorded as crash or collision between cars in 2017 accounted for 60.4% that was highest comparing to 729 overturned cars (18.4), collision with human was 652 (16.5%), and 188 cases as other traffic accidents (4.7%).

Road traffic victims: According to road traffic statistics in 2017, the road traffic victims amounted to 7,290. Of these, there were 630 dead (8.6%) and 6,660 injured (91.4 %.)

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 2017 shows that the highest rate of road traffic accidents in Kurdistan region happened in Erbil governorate (34.2%) with 1,354 accidents followed by Sulaimani governorate (29.9%) with 1,184 accidents, Duhok governorate (29.1%) with 1,152 car accidents, and Garmiyān administration (6.8%) with 268 car accidents recorded the lowest rate.

Car accident by the times of the day

According to the results of road traffic in 2017, the most accidents (58.2%) that is of 2,305 accidents have been recorded during day time in Kurdistan region, 1,268 accidents at night (32%), dawn time recorded 256 accidents (6.5%), and 129 accidents have been recorded during sunset (3.3%).

Number of traffic accidents by governorates in Kurdistan region 2017

Erbil	Sulaimani	Duhok	Garmyan	Garmyan
1,354	1,184	1,152	268	3,958

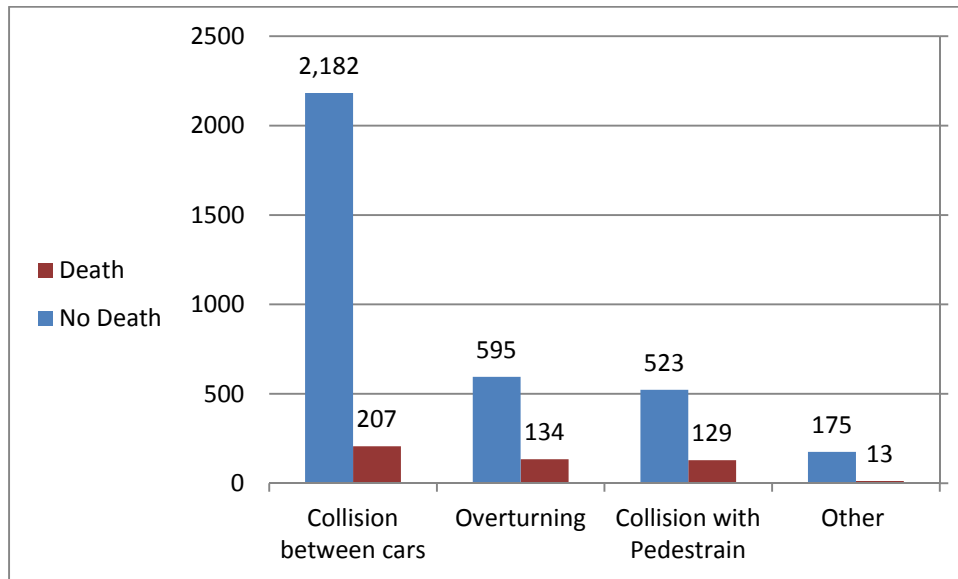
Number of Traffic Accidents by causes in Kurdistan region 2017

Road	Vehicle	Driver	Pedestrian	Companion	Other	Total
106	127	3,367	315	43	/	3,958

Table 1: Road Traffic Indicators in Kurdistan region in 2017

Casualties	Type of accidents				
	Collision between cars	Overturning	Collision with human	Other	Total
Death	207	134	129	13	483
No Death	2,182	595	523	175	3,475
Total	2,389	729	652	188	3,958

Figure 1: Number of Traffic Accidents by Casualty and Type of Accident in Kurdistan region 2017



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Table 2: Number of Traffic Accidents by Road Classification in Kurdistan region 2017

Road Classification	Number of accidents
Main road	3,174
Sub-road	493
Village road	291
Total	3,958

Table 3: Number of Traffic Accidents by the Times of the Day in Kurdistan region 2017

The times of the day	Number of accidents
Sunrise	256
Sunset	129
Day	2,305
Night	1,268
Total	3,958

Table 4: Number of Dead and Injured in Traffic Accidents by Governorates in Kurdistan region 2017

governorate	Dead	Injured
Erbil	219	1,437
Sulaimani	218	3,193
Duhok	145	1,658
Garmyan	48	372
Total	630	6,660

Table 5: Number of Traffic Accidents by Type of Accident and Governorates in Kurdistan region 2017

Governorate	Type of accident				Total
	Collision between cars	Overtuning	Collision with pedestrian	Other	
Erbil	821	222	297	14	1,354
Sulaimani	643	284	103	154	1,184
Duhok	772	165	210	5	1,152
Garmyan	153	58	42	15	268
Total	2,389	729	652	188	3,958

Figure 2: Number of Traffic Accidents by Governorates in Kurdistan region 2017

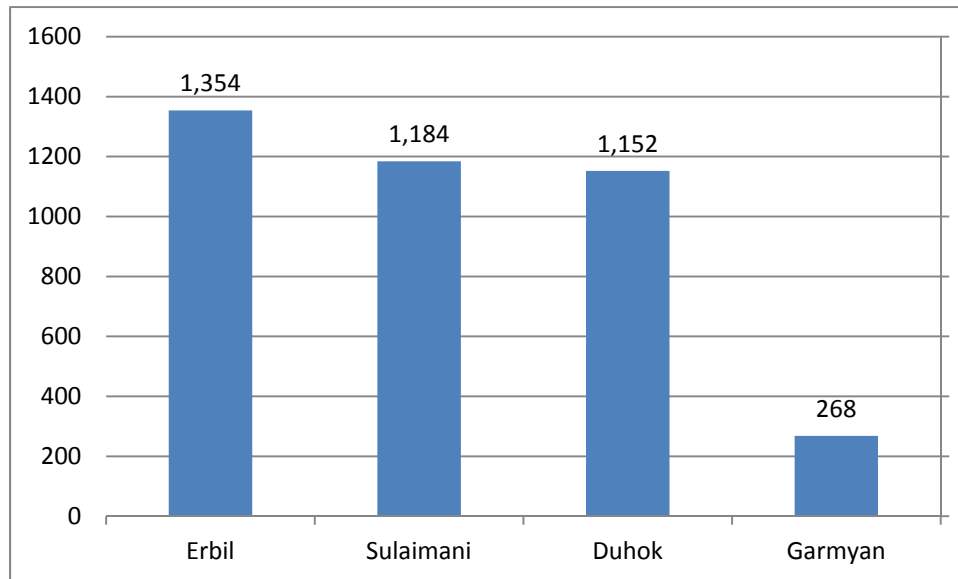


Table 6: Number of Traffic Accidents by Months and Type of Accidents in Erbil governorate 2017

Month	Type of accident				Total
	Collision between cars	Overturning	Collision with pedestrian	Other	
Jan	63	15	20	/	98
Feb	61	13	26	2	102
Mar	62	13	26	/	101
Apr	68	17	30	3	118
May	72	23	24	1	120
Jun	63	9	19	/	91
July	84	25	24	/	133
Aug	75	30	35	1	141
Sep	88	16	33	2	139
Oct	70	35	24	1	130
Nov	62	14	21	3	100
Dec	53	12	15	1	81
Total	821	222	297	14	1,354

Table 7: Number of Traffic Accidents by Months and Type of Accidents in Sulaimani governorate 2017

Month	Type of accident				Total
	Collision between cars	Overturning	Collision with pedestrian	Other	
Jan	62	22	11	11	106
Feb	36	14	9	10	69
Mar	47	24	13	11	95
Apr	52	25	6	11	94
May	53	20	9	9	91
June	48	21	8	8	85
July	57	39	8	15	119
Aug	74	28	9	20	131
Sep	54	40	11	15	120
Oct	63	27	8	13	111
Nov	61	13	6	17	66
Dec	36	11	5	14	66
Total	643	284	103	154	1,184

Table 8: Number of Traffic Accidents by Months and Type of Accidents in Duhok governorate 2017

Month	Type of accidents				
	Collision between cars	Overturning	Collision with Pedestrian	Other	Total
Jan	66	8	9	/	83
Feb	59	13	14	/	86
Mar	79	19	12	/	110
Apr	66	9	8	1	84
May	61	18	15	/	94
June	64	15	10	/	89
July	70	13	26	1	110
Aug	69	14	18	1	102
Sep	66	15	22	1	104
Oct	63	12	28	/	103
Nov	52	17	23	1	93
Dec	57	12	25	/	94
Total	772	165	210	5	1,152

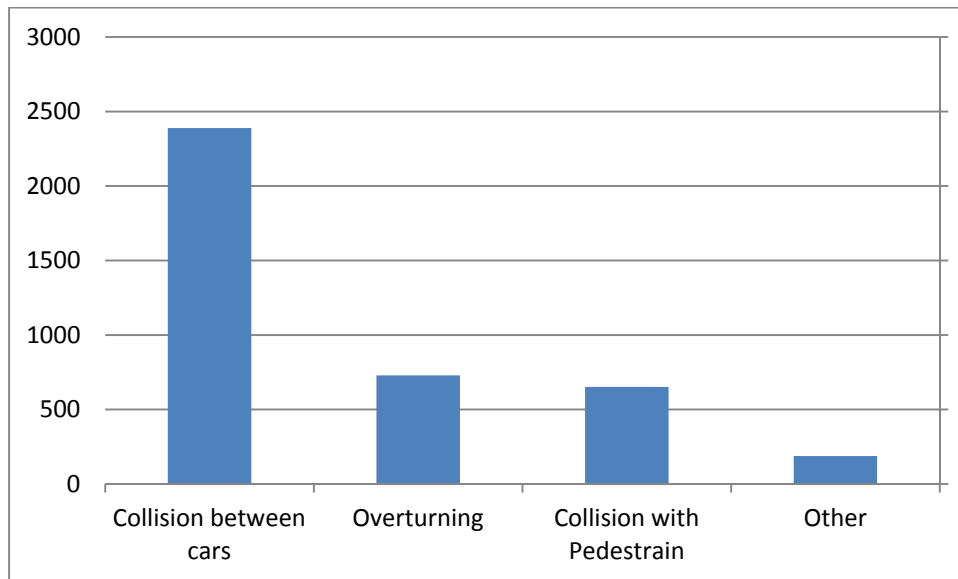
Table 9: Number of Traffic Accidents by Months and Type of Accidents in Garmyan administration 2017

Month	Type of accidents				
	Collision between cars	Overturning	Collision with Pedestrian	Other	Total
Jan	14	2	4	/	20
Feb	13	2	3	1	19
Mar	9	2	/	/	11
Apr	19	6	5	/	30
May	9	5	6	1	21
June	12	6	/	/	18
July	12	7	3	2	24
Aug	15	4	5	6	30
Sep	19	11	2	4	36
Oct	11	7	6	/	24
Nov	8	3	2	/	13
Dec	12	3	6	1	22
Total	153	58	42	15	268

Table 10: Number of Traffic Accidents at the level of Kurdistan region by Month and Type of Accidents 2017

Month	Type of accidents				Total
	Collision between cars	Overturning	Collision with Pedestrian	Other	
Jan	205	47	44	11	307
Feb	169	42	52	13	276
Mar	197	58	51	11	317
Apr	205	57	49	15	326
May	195	66	54	11	326
June	187	51	37	8	283
July	223	84	61	18	386
Aug	233	76	67	28	404
Sep	227	82	68	22	399
Oct	207	81	66	14	368
Nov	183	47	52	21	303
Dec	158	38	51	16	263
Total	2,389	729	652	188	3,958

Figure 3: Number of Traffic Accidents at the level of Kurdistan region by Type of Accidents 2017



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