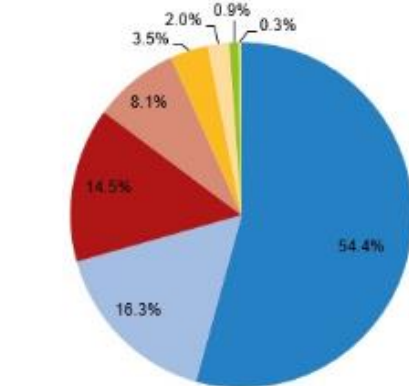


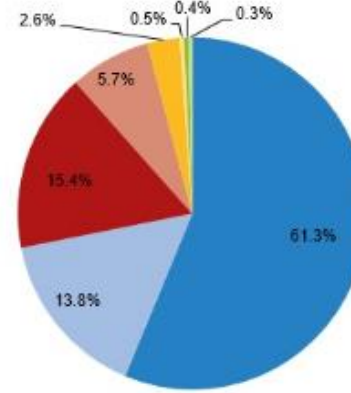


# Road Motor Vehicle Statistics

Share of total vehicles registered to traffic, March 2021



Share of vehicles registered to traffic, March 2021



■ Car ■ Small truck ■ Motorcycle ■ Tractor ■ Truck ■ Minibus ■ Bus ■ Special purpose

# Content of Presentation

- **Data source and compilation method**
- **Data coverage**
- **Data analysis**
- **Data dissemination**
- **International data exchange and comparison**

# Data Source & Data Compilation Method

## Purpose:

Road motor vehicle Statistics are compiled and published to **monitor the trends in the automotive sector**, **support decision makers on economic and social measures** and **prepare data for various researches**.

## Data Sources:

**Notaries Union of Turkey, General Directorate of Public Security (Police)**

Road Motor Vehicle Statistics has been compiled since 1933.

## Data compilation method:

Data is taken **from GDPS monthly** (via File Transfer Protocol-FTP). Data is related to vehicles that are registered to traffic by notaries and vehicles that are registered to traffic by GDPS.

## Data Coverage

All the vehicles which are obliged to take registration plate in accordance with Highway Traffic Law are covered. This registration is done by noterias under Notaries Union of Turkey (TNB) and General Directorate of Public Security (GDPS). **Registration coverage includes:**

- **Total road motor vehicle stock registered to the traffic,**
- **Registered road motor vehicles during the current month,**
- **Road motor vehicles withdrawn from traffic,**
- **Road motor vehicles handed over (second hand registrations since 2010)**

# Data Analysis

## Processing system:

After consistency analysis applied at TurkStat, data is compared with the data of previous years.

## Revisions:

For the statistics produced in this press release, if necessary any future revision shall be publicly announced.

# Data Dissemination

Data and explanations are disseminated on TurkStat web as below:

- Road Motor Vehicles Statistics Monthly Press Release
- Road Motor Vehicles Statistical Tables
- Road Motor Vehicles Statistics Dynamic Database

Apart from those ;

- Road Motor Vehicles Statistics Annual Publication is produced yearly and delivered to users upon user request.

# Data Dissemination : Monthly Press Release



Transportation and  
Communication

84

## Subcategories

☐ Communication Statistics

6

☒ Transportation Statistics

78

## Select the Year/Years

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2021	2020	2019	2018	2017	2016
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2015	2014	2013	2012	2011	

## Select Level

☐ Turkey

84 record found.

Press Release **34**

Statistical Tables **36**

Databases **1**

Reports **0**

Metadata **7**

Display  records per page

Search:

Press Release

20 April 2021

### Road Motor Vehicles, March 2021

In March, 130 thousand 420 road motor vehicle registrations were recorded



Press Release

23 March 2021

### Road Motor Vehicles, February 2021

In February, 75 thousand 902 road motor vehicle registrations were recorded



Press Release

23 February 2021

### Road Motor Vehicles, January 2021

In January, 117 thousand 313 road motor vehicle registrations were recorded



<https://data.tuik.gov.tr/Kategori/GetKategori?p=ulastirma-ve-haberlesme-112&dil=2>

# Data Dissemination :

## Road Motor Vehicles Statistics Monthly Press Release

- Monthly press release on Road Motor Vehicles Statistics is disseminated in **T+30 days** ( Thirty days after data received)
- The subjects in the press release are;
  - **The number of road motor vehicles registered and withdrawn by month and year**
  - **Road motor vehicles by province,**
  - **The number of road motor vehicles handed over by months,**
  - **Distribution of cars registered to the traffic by trademarks, fuel type, engine volume, color**



# Data Dissemination : Monthly Press Release

PRESS RELEASE


**INFO REQUEST**  
Data Dissemination Group

 A: 01 224 124 124  
E: info@tul.t.gov.tr

**TECHNICAL INFO**  
C# + DEMİRCİLİ

 A: 01 224 454 78 12  
E: c#.demircilil@tul.t.gov.tr

 RELEASE DATE: 20 April 2021  
HOURS: 10:00  
NUMBER: 37425

## Road Motor Vehicles, March 2021

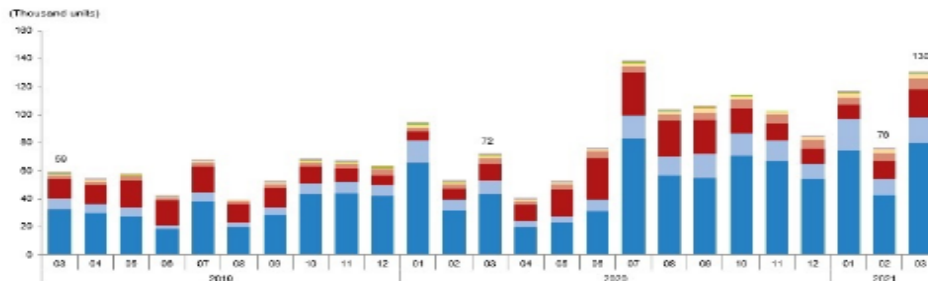
### In March, 130 thousand 420 road motor vehicle registrations were recorded

Regarding the vehicle registrations in March, cars accounted for 61.3%, followed by motorcycles 15.4%, small trucks 13.8%, tractors 5.7%, trucks 2.6%, minibuses 0.5%, buses 0.4% and special purpose vehicles 0.3%.

### The number of road motor vehicle registrations increased by 71.8% compared with the previous month

In March, compared with the previous month, the number of road motor vehicle registrations increased by 117.8%, 87.2%, 61.0%, 56.4%, 52.7%, 47.3%, 34.2% and 30.0% for minibuses, cars, motorcycles, special purpose vehicles, small trucks, trucks, buses and tractors respectively.

Motor vehicles registered to the traffic, March 2019-March 2021



## Tables

Table-1 The number of road motor vehicles registered and withdrawn by month and year

Table-2 The number of road motor vehicles by province

Table-3 The number of road motor vehicles by years

Table-4 The number of road motor vehicles handed over by months

Table-5 The number of road motor vehicles handed over by province

Table-6 Distribution of vehicles registered to the traffic according to fuel type

Table-7 Distribution of road motor vehicles registered to the traffic by provinces

Table-8 Distribution of cars registered to the traffic by trademarks

Table-9 Distribution of cars registered to the traffic by engine cylinder volume

Table-10 Distribution of cars registered to the traffic by colours

[Download Press Release](#)
[Download All Tables And Press Release](#)

## Statistical Tables

Road

Road Motor Vehicles

 X W Distribution of Vehicles Registered to the Traffic by Fuel Type  
X W Number of Road Motor Vehicles

## Reports

There is no report for the press release.

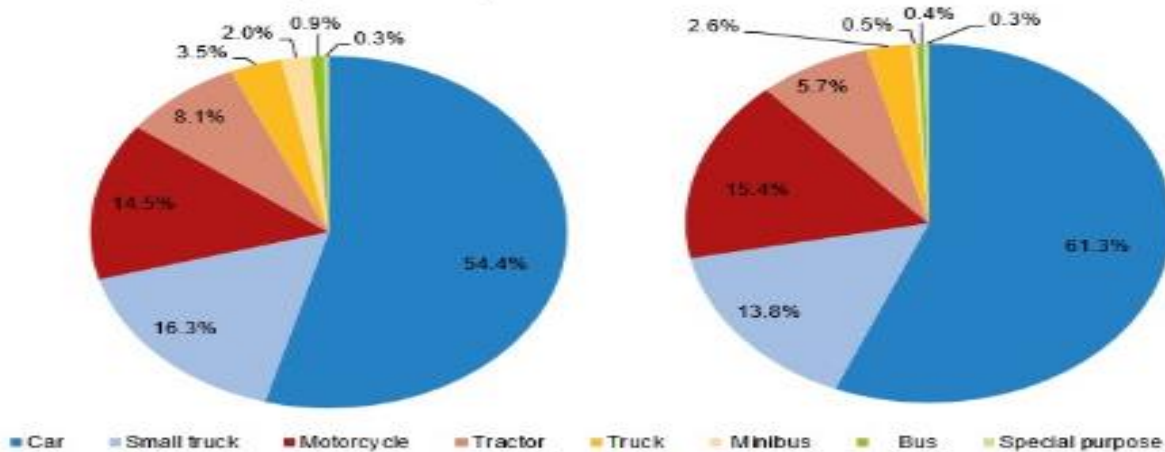
<https://data.tuik.gov.tr/Bulten/Index?p=Road-Motor-Vehicles-March-2021-37425>

# Data Dissemination : Monthly Press Release

**At the end of March, the total number of road motor vehicles registered reached 24 million 454 thousand 396**

At the end of March, cars represented 54.4%, small trucks 16.3%, motorcycles 14.5%, tractors 8.1%, trucks 3.5%, minibuses 2.0%, buses 0.9% and special purpose vehicles 0.3% of total number of road motor vehicles registered.

Share of total vehicles registered to traffic, March 2021      Share of vehicles registered to traffic, March 2021



**690 thousand 994 road motor vehicles handed over in March**

Among vehicles handed over<sup>(1)</sup> in March, cars accounted for 65.4% followed by small trucks 17.7%, motorcycles 6.2%, tractors 4.2%, trucks 3.2%, minibuses 2.4%, buses 0.7% and special purpose vehicles 0.2%.

<https://data.tuik.gov.tr/Bulten/Index?p=Road-Motor-Vehicles-March-2021-37425>

# Data Dissemination :

## Excel data from Press Release

### Trafiğe kayıtlı otomobillerin yakıt cinsine göre dağılımı, 2004 - 2021

Distribution of cars registered to the traffic according to fuel type, 2004 - 2021

Yıl	Toplam	Benzin		Dizel		LPG	Elektrikli - Hibrit <sup>(2)</sup>		Bilinmeyen <sup>(3)</sup>	
Year	Total	Gasoline	(%)	Diesel	(%)	LPG	(%) Electric - Hybrid <sup>(2)</sup>	(%)	Unknown <sup>(3)</sup>	(%)
2004	5 400 440	4 062 486	75,2	252 629	4,7	793 081	14,7	-	292 244	5,4
2005	5 772 745	3 883 101	67,3	394 617	6,8	1 259 327	21,8	-	235 700	4,1
2006	6 140 992	3 838 598	62,5	583 794	9,5	1 522 790	24,8	-	195 810	3,2
2007	6 472 156	3 714 973	57,4	763 946	11,8	1 826 126	28,2	-	167 111	2,6
2008	6 796 629	3 531 763	52,0	947 727	13,9	2 214 661	32,6	-	102 478	1,5
2009	7 093 964	3 373 875	47,6	1 111 822	15,7	2 525 449	35,6	-	82 818	1,2
2010	7 544 871	3 191 964	42,3	1 381 631	18,3	2 900 034	38,4	-	71 242	0,9
2011	8 113 111	3 036 129	37,4	1 756 034	21,6	3 259 288	40,2	47	61 613	0,8
2012	8 648 875	2 929 216	33,9	2 101 206	24,3	3 569 143	41,3	228	49 082	0,6
2013	9 283 923	2 888 610	31,1	2 497 209	26,9	3 852 336	41,5	436	45 332	0,5
2014	9 857 915	2 855 078	29,0	2 882 885	29,2	4 076 730	41,4	525	42 697	0,4
2015	10 589 337	2 927 720	27,6	3 345 951	31,6	4 272 044	40,3	889	42 733	0,4
2016	11 317 998	3 031 744	26,8	3 803 772	33,6	4 439 631	39,2	1 160	41 691	0,4
2017	12 035 978	3 120 407	25,9	4 256 305	35,4	4 616 842	38,4	1 685	40 739	0,3
2018	12 398 190	3 089 626	24,9	4 568 665	36,8	4 695 717	37,9	5 367	38 815	0,3
2019	12 503 049	3 020 017	24,2	4 769 714	38,1	4 661 707	37,3	15 053	36 558	0,3
2020	13 099 041	3 201 894	24,4	5 014 356	38,3	4 810 018	36,7	36 487	36 286	0,3
2021 <sup>(1)</sup>	13 293 727	3 293 450	24,8	5 072 274	38,2	4 840 950	36,4	50 837	36 216	0,3

TÜİK, Motorlu Kara Taşıtları, Mart 2021

TurkStat, Road Motor Vehicles, March 2021

<https://data.tuik.gov.tr/Bulten/Index?p=Road-Motor-Vehicles-March-2021-37425>

# Data Dissemination : Statistical Tables

84 record found.

Press Release **34**

Statistical Tables **36**

Databases **1**










Reports **0**

Metadata **7**

























Display  records per page

Search:  

## Road Motor Vehicles

	Number of Road Motor Vehicles	20 April 2021		
	Freight and Passenger Transportation and the Circulation on the State Roads, Provincial Roads and Motorways	29 September 2020		
	Motorways, State Roads, Provincial Roads and Village Roads by Type of the Surface	29 September 2020		

## Road Motor Vehicles

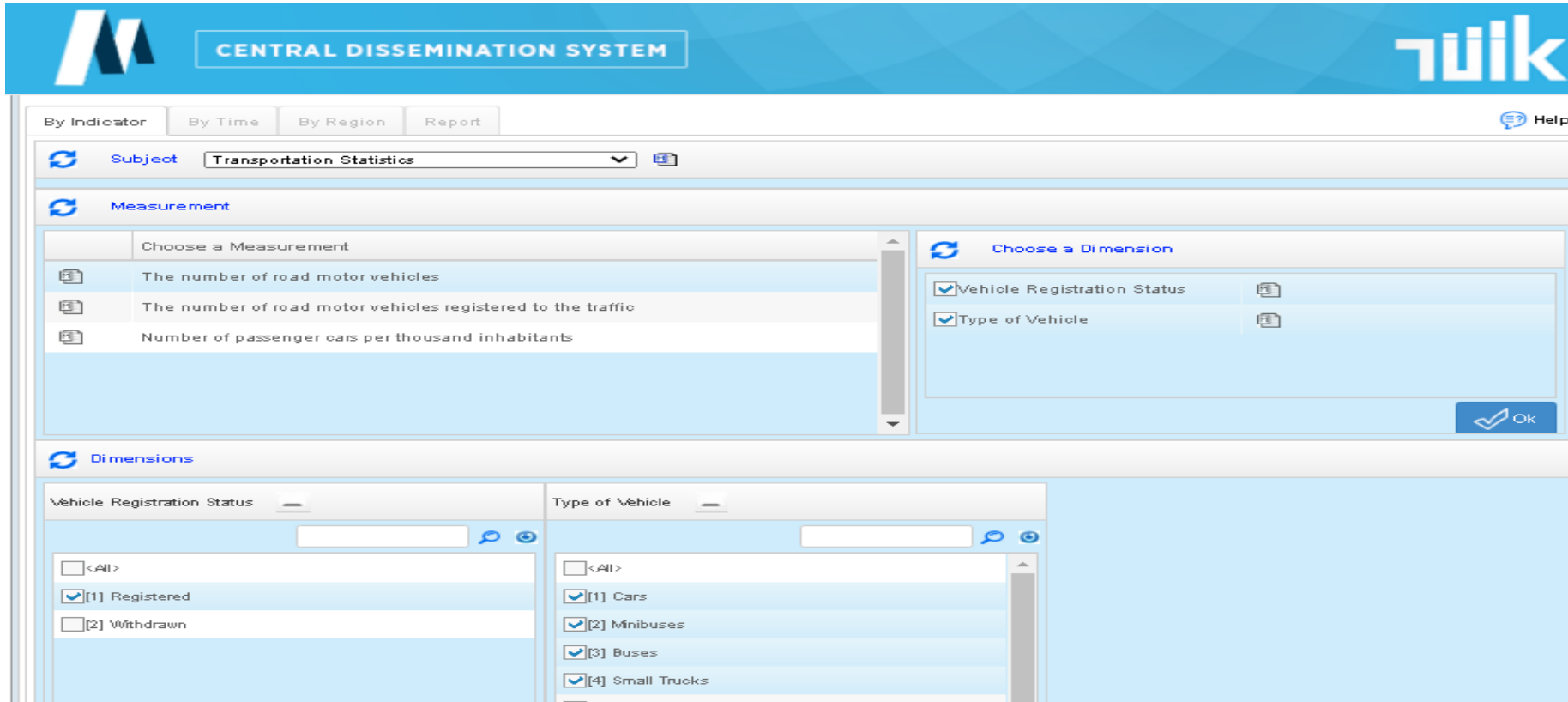
	Number of Road Motor Vehicles by Type and Use	29 September 2020		
	Number of Road Motor Vehicles by Kind of Fuel Used	29 September 2020		
	Number of Road Motor Vehicles by Model Years	29 September 2020		
	Vehicle Types and Number of Road Motor Vehicles by Classification of Statistical Region Units Level 1	29 September 2020		
	Number of Road Motor Vehicles Registered to the Traffic During the Year by Classification of Statistical Region Units Level 1	29 September 2020		
	Number of Road Motor Vehicles Withdrawn During the Year by Classification of Statistical Region Units Level 1	29 September 2020		
	Number of road motor vehicles handed over during the year	29 September 2020		
	Registered Motor Vehicles and Motor Vehicles Involved in Traffic Accidents by Type of the Motor Vehicle	29 September 2020		

<https://data.tuik.gov.tr/Kategori/GetKategori?p=ulastirma-ve-haberlesme-112&dil=2>

# Data Dissemination :

## Central Dissemination System & Dynamic Search

Dynamic search via CDS enables user to choose various data together



The screenshot displays the Central Dissemination System (CDS) interface. At the top, there is a blue header with the TUIK logo and the text "CENTRAL DISSEMINATION SYSTEM". Below the header, there are navigation tabs: "By Indicator", "By Time", "By Region", and "Report". The "By Indicator" tab is selected, and the "Subject" dropdown menu is set to "Transportation Statistics".

The "Measurement" section shows a list of available measurements:

- ☐ The number of road motor vehicles
- ☐ The number of road motor vehicles registered to the traffic
- ☐ Number of passenger cars per thousand inhabitants

The "Choose a Dimension" section shows two dimensions with checkboxes:

- ☒ Vehicle Registration Status
- ☒ Type of Vehicle

The "Dimensions" section shows two panels:

- Vehicle Registration Status:** ☐ <All>, ☒ [1] Registered, ☐ [2] Withdrawn
- Type of Vehicle:** ☐ <All>, ☒ [1] Cars, ☒ [2] Minibuses, ☒ [3] Buses, ☒ [4] Small Trucks

An "Ok" button is located at the bottom right of the "Choose a Dimension" section.

<https://biruni.tuik.gov.tr/medas/?kn=89&locale=en>

# Data Dissemination :

## Annual Road Motor Vehicle Statistics Publication

- Road Motor Vehicle Statistics Publication disseminated in **T+7** months. This annual publication includes information on;
  - **The same subjects with the press release in annual base;**
  - Information on the vehicles by type of use, trademark, model year, hand over **in detail of NUTS 1, 2 and 3 (Eurostat's geographical classification )**.
  - **This publication is delivered on data request and not published at web.**

# International Data Exchange and Comparison

TurkStat data is compatible with Eurostat data by definition and coverage.  
TurkStat regularly send road motor vehicle data to Eurostat, OECD and UNECE  
**Turkey's Road Motor Vehicle Data at Eurostat:**

Eurostat - Data Explorer - Google Chrome

appsso.eurostat.ec.europa.eu/nui/show.do?dataset=road\_eqs\_carhab&lang=en

**Important legal notice**  
v3.4.1-20170407-5840-PROD\_EUROBASE  
DATA-EXPLORER\_PRODmanaged21

Explanatory texts (metadata) Information Download Preview Bookmark Demo Help Login

**Passenger cars per 1 000 inhabitants**  
Last update: 26-04-2017  
Table Customization [show](#)

[road\_eqs\_carhab]

Unit of measure: Thousand

GEO	2010	2011	2012	2013	2014	2015
Spain	475	476	476	474	474	481
France	487	486(b)	490	498	489(bp)	484
Croatia	355	355	339	341	349	358
Italy	619	625	621	608	610	610
Cyprus	551	545	549	553	565	575
Latvia	307	299	305	317	331	345
Lithuania	554	570	590	615	413	431
Luxembourg	659	658(b)	663	661	662	661
Hungary	299	299(b)	301	308	315	325
Malta	581	592	592	602	619	634
Netherlands	464	470	472	471	471	471
Austria	530	537	542	546	547	546
Poland	453	476	492	510	526	546
Portugal	444	447	406	415	453(e)	453
Romania	214	216	224	235(e)	247(e)	261
Slovenia	518	519	518	516	518	523
Slovakia	310	324	337	347	360	375
Finland	535	551	560	570	580	590
Sweden	460	464	465	466	470	474
United Kingdom	451	448	449	449	449	463(e)
Iceland	1	1	1	1	1	1
Liechtenstein	744	749	760	757	762	766
Norway	469	477	484	489	495	501
Switzerland	518(b)	523(e)	529(e)	531(e)	532(e)	535(e)
Former Yugoslav Republic of	151	152	146	146	146	185
Turkey	102	109	114	121	127	134

Available flags:  
b break in time series  
e estimated  
n not significant  
s Eurostat estimate (phased out)

c confidential  
f forecast  
p provisional  
u low reliability  
z not applicable

d definition differs, see metadata  
i see metadata (phased out)  
r revised

Special values:  
: not available

Source of data: Eurostat

<http://ec.europa.eu/eurostat/web/transport/data/main-tables>

<http://ec.europa.eu/eurostat/data/database>

...Thank you...



# Road Traffic Accident Statistics



# Content of Presentation

- ✓ Data source
- ✓ Data compiled
- ✓ Calculation method
- ✓ Data Dissemination

## Data Source

- General Directorate of Public Security (GDPS)
- General Commanderie of Gendermarie (GCG)
- Traffic Insurance Information Center (TRAMER)

## Data Coverage

- Traffic accidents with killed and injured people and material loss occurred in road network of our country with details as: *accident type, weather and road conditions, deaths with passenger pedestrian and road breakdown, accident faults as passenger pedestrian and road faults, vehicles involved in accidents, age distribution of deaths, province, etc.*

## Data Collection Method and Period

- Data is produced t+6 months after the accident
- Data is compiled data tables provided by Police (GDPS) and Gendermarie (GCG)
- TurkStat check and combine GCG and GDPS data for adding up Turkey totals
- Police publish temporary monthly data
- TurkStat publish annual and final data after checks

# TurkStat Road Traffic Accident Publications

- Official and final **Road Traffic Accident Statistics** of Turkey are published yearly by **TurkStat** combining Police (GDPS) and Gendermarie (GCG) data **annually**.

- Two types of TurkStat publications:

## 1- Press Release

<https://data.tuik.gov.tr/Bulten/Index?p=Road-Traffic-Accident-Statistics-2019-33628>

## 2- Annual Traffic Accidents Publication

This is more comprehensive publication delivered to users upon user request



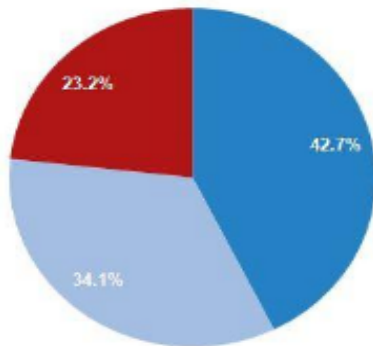
# Data Dissemination: Road Accident Statistics

## A Part From Press Release

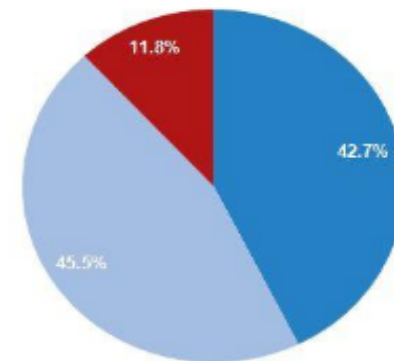
### 42.7% of the persons killed in traffic accidents were drivers

Among the persons killed in the accidents occurred in the road network of Turkey during year 2019, 42.7% of them were drivers, 34.1% were passengers and 23.2% were pedestrians. Concerning the gender breakdown of persons killed 76.2% of them were men and 23.8% were women; whereas for the persons injured 67.2% of them were men and 32.8% were women.

Share of persons killed at accidents as driver, passenger and pedestrian, 2019



Share of persons injured at accidents as driver, passenger and pedestrian, 2019



■ Driver ■ Passenger ■ Pedestrian

<https://data.tuik.gov.tr/Bulten/Index?p=Road-Traffic-Accident-Statistics-2019-33628>

# Data Dissemination: Road Accident Statistics

## A Part From Press Release

Road traffic accident statistics, 2009-2020

Year	Total number of accidents	Number of accidents involving death or injury	Number of accidents involving material loss only	Number of persons killed			Number of persons injured
				Total	At accident scene	Accident follow-up <sup>(1)</sup>	
2009	1 053 346	111 121	942 225	4 324	4 324	-	201 380
2010	1 106 201	116 804	989 397	4 045	4 045	-	211 496
2011	1 228 928	131 845	1 097 083	3 835	3 835	-	238 074
2012	1 296 634	153 552	1 143 082	3 750	3 750	-	268 079
2013	1 207 354	161 306	1 046 048	3 685	3 685	-	274 829
2014	1 199 010	168 512	1 030 498	3 524	3 524	-	285 059
2015	1 313 359	183 011	1 130 348	7 530	3 831	3 699	304 421
2016	1 182 491	185 128	997 363	7 300	3 493	3 807	303 812
2017	1 202 716	182 669	1 020 047	7 427	3 534	3 893	300 383
2018	1 229 364	186 532	1 042 832	6 675	3 368	3 307	307 071
2019	1 168 144	174 896	993 248	5 473	2 524	2 949	283 234
2020	983 808	150 275	833 533	4 866	2 197	2 669	226 266

(1) Includes the deaths within 30 days after the traffic accidents due to related accident and its impacts for people who were injured and sent to health facilities.

- Denotes magnitude null.

### Number of persons killed decreased by 11.1% compared to previous year

In Turkey by year 2020 while total road motor vehicles in traffic increased by 4.3%, there were decreases in total accidents by 15.8%, accidents involving death or injury by 14.1%, accidents with material loss by 16.1%, total number of persons killed by 11.1%, persons killed at accident scene by 13.0%, persons killed at accident follow-up by 9.5% and injuries by 20.1%.

<https://data.tuik.gov.tr/Bulten/Index?p=Road-Traffic-Accident-Statistics-2019-33628>



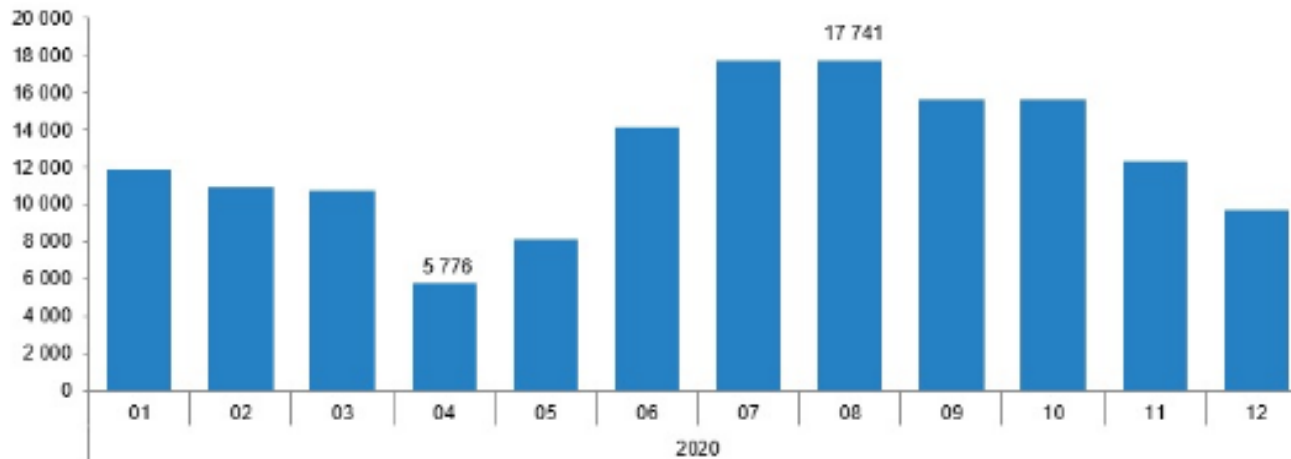
# Data Dissemination: Road Accident Statistics

## A Part From Press Release

### Accidents involving death or injury occurred most in August least in April

In Turkey by year 2020 looking at the monthly distribution of 150 thousand 275 accidents involving death or injury, accidents most frequently occurred in August with 11.8% share whereas accidents least frequently occurred in April with 3.8% share. Regarding the distribution among the days of the week, accidents involving death or injury most frequently occurred on Friday with 15.5% share and least frequently on Sunday with 12.7% share.

Number of accidents with death or injury, January - December 2020



# Data Dissemination: Road Accident Statistics

## Sample Excel Data in Press Release

**Yerleşim yeri durumuna göre ölümlü yaralanmalı trafik kazası, ölü ve yaralı sayısı, 2009-2019**

Number of traffic accidents involving death or injury, persons killed and injured according to settlement, 2009-2019

Yıl Year	Ölümlü yaralanmalı kaza sayısı Number of accidents involving death or injury			Ölü sayısı - Number of persons killed					
				Yerleşim yeri At inhabited area			Yerleşim yeri dışı At uninhabited area		
	Toplam Total	Yerleşim yeri Inhabited area	Yerleşim yeri dışı Uninhabited area	Toplam Total	Kaza yerinde At accident scene	Kaza sonrası <sup>(1)</sup> Accident follow-up <sup>(1)</sup>	Toplam Total	Kaza yerinde At accident scene	Kaza sonrası <sup>(1)</sup> Accident follow-up <sup>(1)</sup>
2009	111 121	76 429	34 692	1 549	1 549	-	2 775	2 775	-
2010	116 804	80 517	36 287	1 365	1 365	-	2 680	2 680	-
2011	131 845	92 443	39 402	1 346	1 346	-	2 489	2 489	-
2012	153 552	111 564	41 988	1 337	1 337	-	2 413	2 413	-
2013	161 306	120 095	41 211	1 372	1 372	-	2 313	2 313	-
2014	168 512	126 537	41 975	1 243	1 243	-	2 281	2 281	-
2015	183 011	137 311	45 700	3 671	1 332	2 339	3 859	2 499	1 360
2016	185 128	138 716	46 412	3 527	1 198	2 329	3 773	2 295	1 478
2017	182 669	135 853	46 816	3 613	1 189	2 424	3 814	2 345	1 469
2018	186 532	139 922	46 610	3 129	1 096	2 033	3 546	2 272	1 274
2019	174 896	132 683	42 213	2 598	819	1 779	2 875	1 705	1 170

**TÜİK, Karayolu Trafik Kaza İstatistikleri, 2019**

TurkStat, Road Traffic Accident Statistics, 2019

**(1) Trafik kazasında yaralanıp sağlık kuruluşuna sevk edilenlerden kazanın sebep ve tesiriyle 30 gün içinde ölenleri kapsamaktadır.**

(1) Includes the deaths within 30 days after the traffic accidents due to related accident and its impacts for people who were injured and sent to health facilities.

- Bilgi yoktur.

# International Data Comparison

- **CARE** is the common database of EU road accident statistics in which the data definitions, coverage and dissemination periods are outlined by the EU directive 93/704/EC.
- Turkey is providing more than 78% of all variables in CARE. TurkStat send data to OECD and UNECE.
- In line with Eurostat/OECD/UNECE coverage, in Turkey, **30 days follow-up of road accident deaths are produced since reference year 2015.**
- Main **statistical gap in Turkey compared to CARE** is the breakdown of accident injuries as heavy and light injuries. This data is planned to be produced by coordination of Police and Ministry of Health.

**...Thanks...**



# Vehicle-km Statistics

(Based on Odometer Readings)



# Content of Presentation

- ✓ Data source
- ✓ Data compiled
- ✓ Calculation method
- ✓ Dissemination of vehicle-km statistics

Vehicle Kilometer Statistics include the **measurement of road traffic volume** of vehicles driven with breakdowns as vehicle fuel type, age. etc.

## Data Source

- Vehicle-km statistics was firstly published in 2017.
- For calculating vehicle-km statistics, several data sources are used:
  1. **Administrative records of vehicles visiting vehicle inspection stations,**
  2. **Administrative records of road motor vehicles statistics.**

## Data Compiled

- According to vehicle inspection directive, **all road motor vehicles registered to traffic must visit vehicle inspection stations** in line with their **routine periods**.

While compiling data at the stations, for each vehicle:

- **Odometer readings (km driven)**
  - **Date (inspection date) to calculate vehicle-km**
  - **Vehicle characteristics as kind of fuel used, aim of use,**
  - **Model year etc. are compiled.**
- 
- Data bases are send to TurkSTAT by Diroctorate General of Road Transport Regulation for vehicle inspection stations in a digital form every year.



## Calculation method

- In this study, of all vehicles registered to the traffic **passenger cars, minibuses, buses, small trucks, trucks and motorcycles** are considered.
- Routine vehicle inspection periods by type of vehicles are below:

Vehicle category	Inspection period
Private/Official passenger cars and their own trailers	Once in each two years after three years
Commercial vehicles such as taxis, trucks, buses, small trucks etc.	Every year after one year
Two or three wheeled vehicles and their own trailers	Once in each two years after three years

## Calculation method (cont.)

VEHICLE NO	KM 2014	KM 2016	DATE 2014	DATE 2016
1	20 000	80 000	Jan 10,2014	Jan 8,2016
2	350 000	500 000	Mar 5,2014	Mar 10,2016
3	175 000	450 000	July 21,2014	July 24,2016
4	230 000	550 000	Dec 30,2014	Dec 25,2016
5	12 000	200 000	Nov 11,2014	Oct 20,2016
6	30 000	75 000	Apr 21,2014	May 5,2016
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

VEHICLE NO	KM 2015	KM 2016	DATE 2015	DATE 2016
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
45	30 000	50 000	Feb 25,2015	Feb 20,2016
46	100 000	250 000	Sep 11,2015	Sep 15,2016
47	130 000	200 000	Mar 6,2015	Mar 10,2016
48	600 000	850 000	July 10,2015	July 28,2016
49	530 000	950 000	Dec 23,2015	Dec 22,2016
50	260 000	520 000	Mar 10,2015	Feb 25,2016
...	...	...	...	...
...	...	...	...	...

## Calculation method (cont.)

- In order to estimate vehicle-km , **two yearly data sets are used by merging.**
- Through **primary key of vehicles' ID number** that is unique variable for all vehicles recorded in vehicle inspection system, **two data sets are merged.**
- For private/official ecars and motorcycles, **two year range** (e.g. 2014-2016 data sets) is chosen, for the other commercial vehicles such as commercial passenger cars, minibuses, buses, small trucks and **trucks one year range**



## Calculation method (cont.)



YEAR: 2014  
DATE: June 20, 2014  
KM: 100 000

YEAR: 2016  
DATE: June 19, 2016  
KM: 180 000

DISTANCE TAKEN= 80 000  
DAYS PAST= 730  
DISTANCE TAKEN PER DAY=  $80\,000 / 730 = 109,59$   
DISTANCE TAKEN PER YEAR =  $109,59 * 365 = 40\,000$


## Calculation method (cont.)

- **After outliers are cleaned up from the data set**, average distance taken per year for each vehicle category, kind of fuel used and model year are calculated.
- **Those statistics are weighted by considering total numbers of all road motor vehicles registered to traffic** in comply with the same breakdowns.
- **For new registrated vehicles** (e.g. new private passanger cars are not expected to have an inspection during the first three years) correction is made and they are also covered in the final vehicle-km estimation
- **In conclusion**, results cover **whole vehicles registered to traffic in Turkey** and are published in a breakdown of type of vehicle and fuel type.


## Dissemination of vehicle-km statistics


- Vehicle-km statistics is published every year as 'Press Release' on the TurkSTAT website.



PRESS RELEASE



**TÜRKİYE İSTATİSTİK KURUMU**

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**RELEASE DATE:** 07 May 2021  
**HOURS:** 10:00  
**NUMBER:** 37409

### Vehicle-kilometer Statistics, 2019

**Total vehicle-km was calculated as 301 billion 555 million**

In Turkey, road motor vehicles<sup>(1)</sup> registered to the traffic travelled 301 billion 555 million kilometers in year 2019. Passenger cars constituted 55.2% of total vehicle-km<sup>(1)</sup> followed by small trucks with 20.9%, trucks 12.4%, motorcycles 4.3%, minibuses 4.0% and buses 3.2% share.

Vehicle type	2018			2019		
	Number of vehicle	Vehicle-km (million)	Average year-km	Number of vehicle	Vehicle-km (million)	Average year-km
<b>Total</b>	<b>20 916 610</b>	<b>306 926</b>	<b>14 674</b>	<b>21 182 506</b>	<b>301 555</b>	<b>14 236</b>
Passenger car	12 398 190	170 801	13 776	12 503 049	166 605	13 325
Minibus	487 527	13 201	27 077	493 373	12 155	24 636
Bus	218 523	10 670	48 826	213 358	9 622	45 100
Small truck	3 755 580	63 360	16 871	3 796 919	62 884	16 562
Truck <sup>(1)</sup>	845 462	36 178	42 791	844 481	37 450	44 346
Motorcycle	3 211 328	12 717	3 960	3 331 326	12 839	3 854

Figures in table may not add up to totals due to rounding.  
 (1) It also covers heavy vehicles (tractor truck, dumper truck, tanker, garbage truck etc.).

**While total number of vehicles increased by 1.3%, total vehicle-km decreased by 1.7%**

<https://data.tuik.gov.tr/Bulten/Index?p=Vehicle-kilometer-Statistics-2019-37409>

## Dissemination of vehicle-km statistics

- Press Release reveal changes in vehicle stock and traffic volume(km).

**Vehicle-km statistics by type of vehicle, 2018, 2019**

Vehicle type	2018			2019		
	Number of vehicle	Vehicle-km (million)	Average year-km	Number of vehicle	Vehicle-km (million)	Average year-km
<b>Total</b>	<b>20 916 610</b>	<b>306 926</b>	<b>14 674</b>	<b>21 182 506</b>	<b>301 555</b>	<b>14 236</b>
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Figures in table may not add up to totals due to rounding.

(1) It also covers heavy vehicles (tractor truck, dumper truck, tanker, garbage truck etc.).

**While total number of vehicles increased by 1.3%, total vehicle-km decreased by 1.7% compared with the previous year**

In Turkey, in year 2019 while total number of road motor vehicles increased by 1.3%, total vehicle-km decreased by 1.7% compared with the previous year. Number of motorcycles increased by 3.7% followed by minibuses 1.2%, small trucks 1.1% and passenger cars 0.8%, while number of buses decreased by 2.4% and trucks by 0.1%. However, vehicle-km increased by 3.5% for trucks and 1.0% for motorcycles, whereas it decreased by 9.8% for buses, 7.9% for minibuses, 2.5% for passenger cars and 0.8% for small trucks.

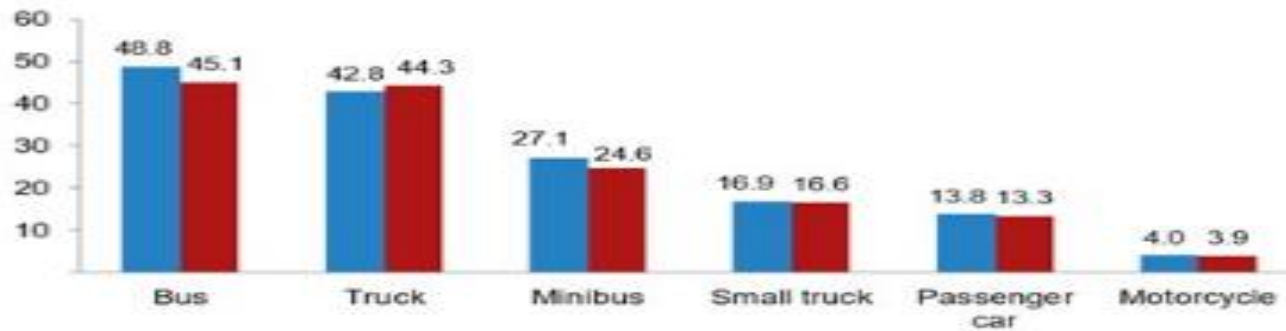
<https://data.tuik.gov.tr/Bulten/Index?p=Vehicle-kilometer-Statistics-2019-37409>

## Dissemination of vehicle-km statistics

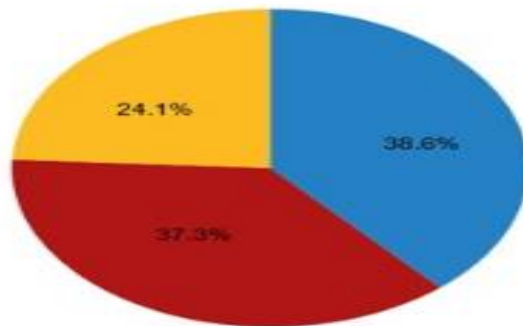
- Press Release data: **Average Vehicle-km by vehicle type and fuel type**

Average distance travelled by vehicle type, 2018, 2019

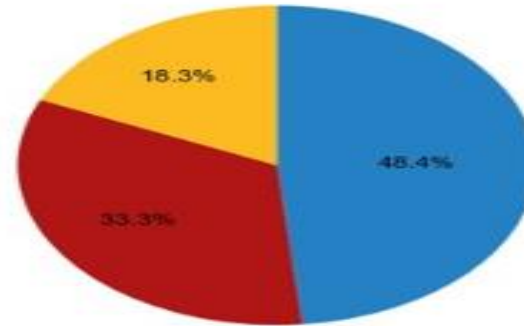
(Thousand km)



Fuel distribution of passenger cars registered to traffic, 2019



Distribution of distance travelled by passenger cars by fuel type, 2019



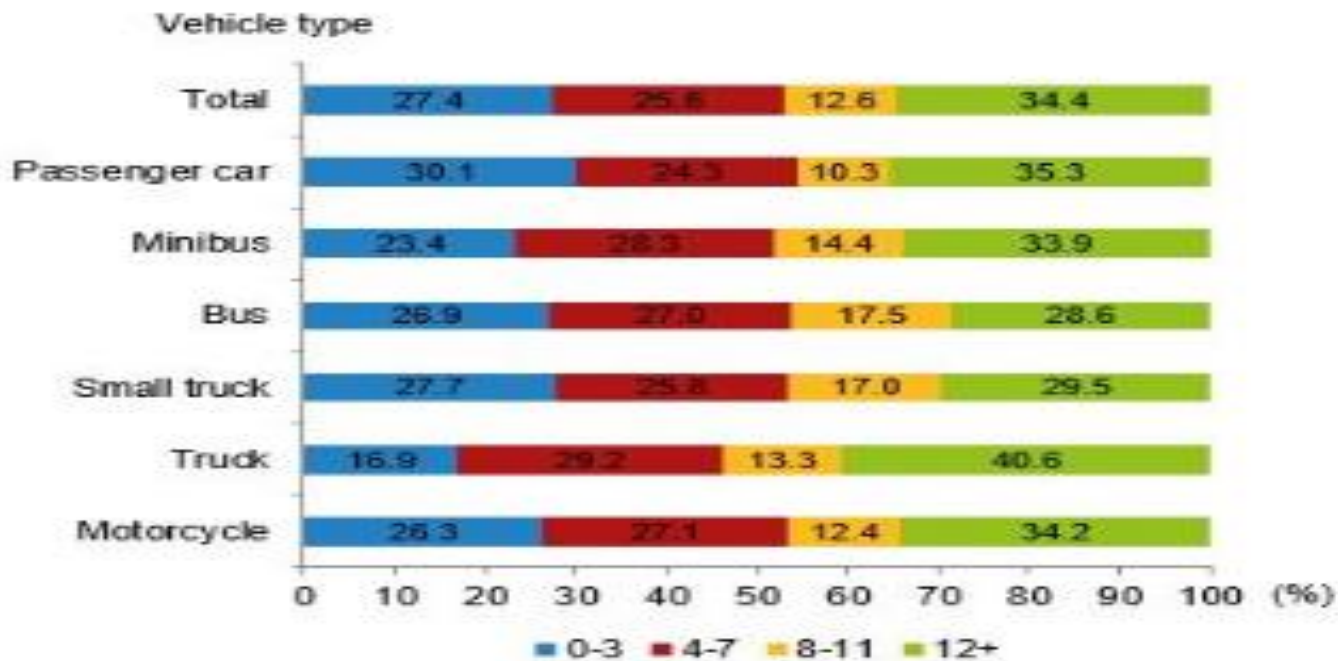
■ Diesel ■ LPG ■ Gasoline



## Dissemination of vehicle-km statistics

- Vehicle-km statistics reveal distance travelled by vehicle age

Share of distance travelled by age groups, 2019





...Thank you...