

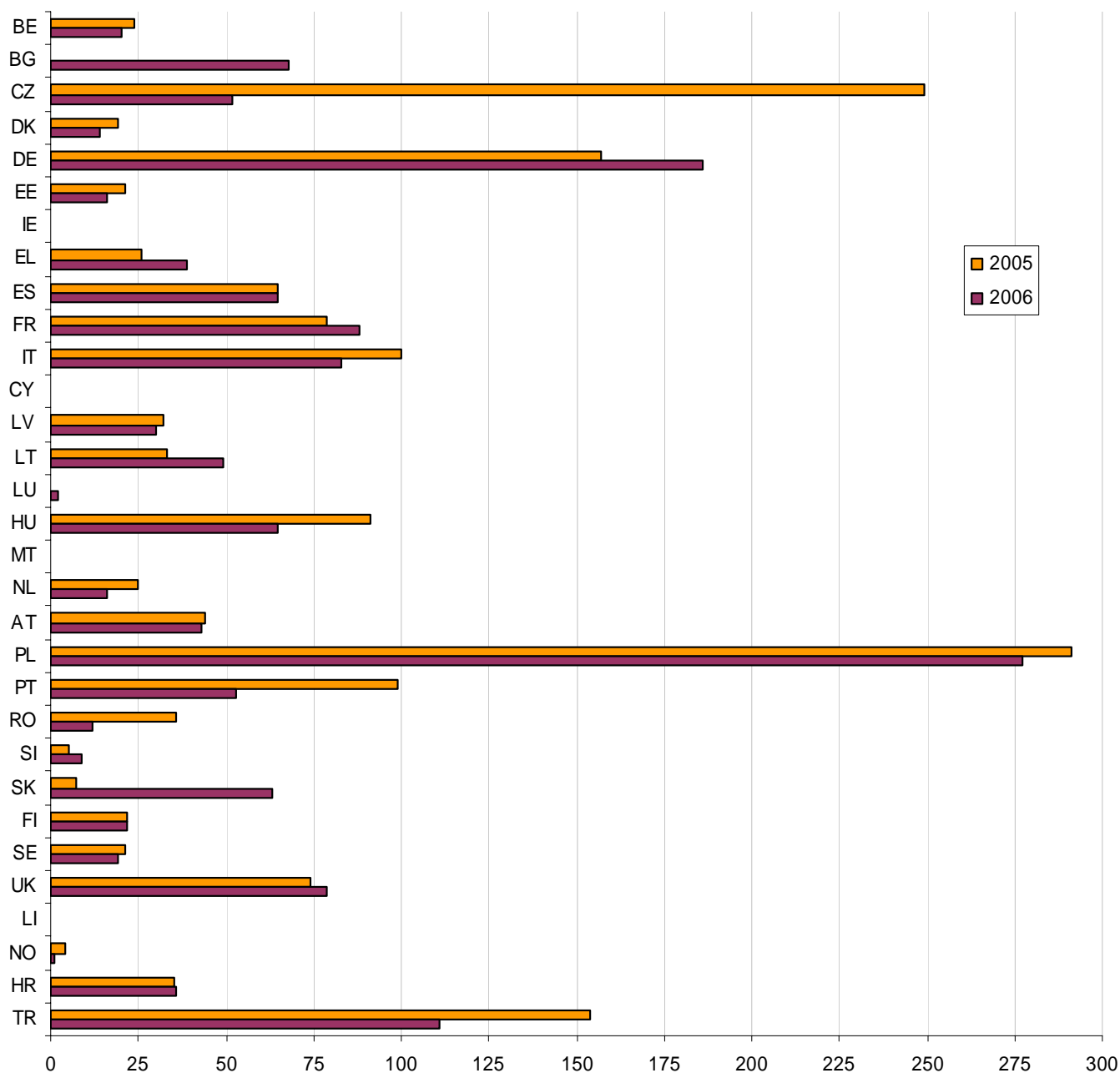
# Rail transport accidents in the European Union in 2005-2006

Author: Anna BIALAS-MOTYL

TRANSPORT

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Figure 1: Number of persons killed in railway accidents (2005 and 2006)



Source: Eurostat/NewCronos

Notes: in 2005 there were no persons killed in railway accidents in Ireland, Luxembourg and Liechtenstein; in 2006 there were no persons killed in railway accidents in Ireland and Liechtenstein; data for 2005 was not available for Bulgaria.

## Number of accidents

**Table 1: Number of accidents by type in 2006**

	Total number of accidents	Collisions	Derailments	Accidents involving level-crossings	Accidents to persons caused by rolling stock in motion	Fires in rolling Stock	Others	Unknown
Belgium	45	0	0	22	18	0	5	0
Bulgaria	84	0	2	10	65	1	6	0
Czech Republic	233	13	10	104	104	0	2	0
Denmark	78	9	6	11	16	5	31	0
Germany	1 150	347	144	266	312	17	64	0
Estonia	70	5	18	20	27	0	0	0
Ireland	0	0	0	0	0	0	0	0
Greece	71	10	4	25	30	2	0	0
Spain	100	3	9	15	66	0	7	0
France	171	10	11	54	77	19	0	0
Italy	166	7	11	41	97	5	5	0
Cyprus	-	-	-	-	-	-	-	-
Latvia	63	0	1	10	52	0	0	0
Lithuania	162	4	8	21	56	0	73	0
Luxembourg	5	0	0	2	2	1	0	0
Hungary	145	1	3	35	59	1	46	0
Malta	-	-	-	-	-	-	-	-
Netherlands	29	4	2	12	9	1	1	0
Austria	100	4	8	38	46	0	4	0
Poland	905	18	190	270	350	5	72	0
Portugal	89	3	9	22	55	0	0	0
Romania	241	3	55	142	21	20	0	0
Slovenia	48	0	3	41	0	1	3	0
Slovakia	626	0	8	58	126	8	426	0
Finland	103	2	1	60	23	17	0	0
Sweden	97	20	30	20	17	6	4	0
United Kingdom	132	8	19	11	94	0	0	0
<b>EU-27</b>	<b>4 913</b>	<b>471</b>	<b>552</b>	<b>1 310</b>	<b>1 722</b>	<b>109</b>	<b>749</b>	<b>0</b>
Liechtenstein	0	0	0	0	0	0	0	0
Norway	16	5	3	2	2	3	1	0
Croatia	78	0	5	31	35	1	6	0
Turkey	455	11	96	157	129	21	41	0

Source: Eurostat/NewCronos

## Victims by type of accident and category of person

**Table 2: Fatalities by type of accident in 2006**

	Collisions	Derailments	Accidents involving level-crossings	Accidents to persons caused by rolling stock in motion	Fires in rolling Stock	Others	Unknown	Total
Belgium	0	0	10	10	0	0	0	20
Bulgaria	0	0	4	57	0	7	0	68
Czech Republic	0	0	31	21	0	0	0	52
Denmark	0	0	4	10	0	0	0	14
Germany	3	0	63	120	0	0	0	186
Estonia	0	0	0	16	0	0	0	16
Ireland	0	0	0	0	0	0	0	0
Greece	8	0	14	17	0	0	0	39
Spain	0	7	15	41	0	2	0	65
France	7	0	40	41	0	0	0	88
Italy	4	0	19	58	0	2	0	83
Cyprus	-	-	-	-	-	-	-	-
Latvia	0	0	4	26	0	0	0	30
Lithuania	0	0	8	41	0	0	0	49
Luxembourg	0	0	1	1	0	0	0	2
Hungary	0	0	23	39	0	3	0	65
Malta	-	-	-	-	-	-	-	-
Netherlands	0	0	12	4	0	0	0	16
Austria	0	0	22	20	0	1	0	43
Poland	2	0	30	235	0	10	0	277
Portugal	0	0	18	35	0	0	0	53
Romania	0	0	0	12	0	0	0	12
Slovenia	0	0	9	0	0	0	0	9
Slovakia	0	0	13	50	0	0	0	63
Finland	0	0	4	18	0	0	0	22
Sweden	0	0	9	10	0	0	0	19
United Kingdom	1	0	7	71	0	0	0	79
<b>EU-27</b>	<b>25</b>	<b>7</b>	<b>360</b>	<b>953</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>1 370</b>
Liechtenstein	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	1	0	1
Croatia	0	1	17	17	0	1	0	36
Turkey	0	0	28	74	0	9	0	111

Source: Eurostat/NewCronos

**Table 3: Number of seriously injured persons by type of accident in 2006**

	Collisions	Derailments	Accidents involving level-crossings	Accidents to persons caused by rolling stock in motion	Fires in rolling Stock	Others	Unknown	Total
Belgium	0	0	16	8	0	4	0	28
Bulgaria	0	0	4	46	2	3	0	55
Czech Republic	4	0	50	35	0	0	0	89
Denmark	0	0	1	6	1	2	0	10
Germany	39	0	56	95	3	3	0	196
Estonia	0	0	11	10	0	0	0	21
Ireland	0	0	0	0	0	0	0	0
Greece	7	0	32	12	0	0	0	51
Spain	1	14	2	29	0	1	0	47
France	4	0	10	38	0	0	0	52
Italy	16	0	20	44	3	2	0	85
Cyprus	-	-	-	-	-	-	-	-
Latvia	0	0	7	26	0	0	0	33
Lithuania	0	0	8	15	0	0	0	23
Luxembourg	0	0	1	1	13	0	0	15
Hungary	7	0	28	20	0	43	0	98
Malta	-	-	-	-	-	-	-	-
Netherlands	6	1	2	6	0	0	0	15
Austria	3	0	28	29	0	1	0	61
Poland	3	0	84	78	0	60	0	225
Portugal	1	1	9	22	0	0	0	33
Romania	0	0	0	2	0	0	0	2
Slovenia	0	0	10	0	1	0	0	11
Slovakia	0	0	7	25	0	0	0	32
Finland	1	0	6	6	0	0	0	13
Sweden	0	1	8	7	0	0	0	16
United Kingdom	3	0	4	24	0	0	0	31
<b>EU-27</b>	<b>95</b>	<b>17</b>	<b>404</b>	<b>584</b>	<b>23</b>	<b>119</b>	<b>0</b>	<b>1 242</b>
Liechtenstein	0	0	0	0	0	0	0	0
Norway	0	0	1	1	2	0	0	4
Croatia	0	2	19	19	0	5	0	45
Turkey	1	0	35	29	1	30	0	96

Source: Eurostat/NewCronos

**Table 4: Number of persons killed and seriously injured by category of person in 2006**

	Number of persons											
	Killed				Seriously injured				Total			
	Passengers	Employees	Other	Total	Passengers	Employees	Other	Total	Passengers	Employees	Other	Total
Belgium	4	0	16	20	5	5	18	28	9	5	34	48
Bulgaria	3	0	65	68	18	2	35	55	21	2	100	123
Czech Republic	4	1	47	52	11	2	76	89	15	3	123	141
Denmark	0	1	13	14	4	3	3	10	4	4	16	24
Germany	2	8	176	186	32	40	124	196	34	48	300	382
Estonia	0	0	16	16	0	0	21	21	0	0	37	37
Ireland	0	0	0	0	0	0	0	0	0	0	0	0
Greece	3	1	35	39	17	5	29	51	20	6	64	90
Spain	9	3	53	65	23	4	20	47	32	7	73	112
France	10	4	74	88	15	6	31	52	25	10	105	140
Italy	5	13	65	83	42	4	39	85	47	17	104	168
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	0	0	30	30	0	1	32	33	0	1	62	63
Lithuania	0	0	49	49	0	0	23	23	0	0	72	72
Luxembourg	0	0	2	2	13	0	2	15	13	0	4	17
Hungary	4	0	61	65	49	1	48	98	53	1	109	163
Malta	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	1	1	14	16	10	1	4	15	11	2	18	31
Austria	2	0	41	43	9	9	43	61	11	9	84	104
Poland	9	2	266	277	62	5	158	225	71	7	424	502
Portugal	0	1	52	53	8	2	23	33	8	3	75	86
Romania	0	2	10	12	0	0	2	2	0	2	12	14
Slovenia	0	0	9	9	0	1	10	11	0	1	19	20
Slovakia	1	0	62	63	0	0	32	32	1	0	94	95
Finland	1	0	21	22	1	3	9	13	2	3	30	35
Sweden	0	0	19	19	1	1	14	16	1	1	33	35
United Kingdom	0	1	78	79	9	5	17	31	9	6	95	110
<b>EU-27</b>	<b>58</b>	<b>38</b>	<b>1 274</b>	<b>1 370</b>	<b>329</b>	<b>100</b>	<b>813</b>	<b>1 242</b>	<b>387</b>	<b>138</b>	<b>2 087</b>	<b>2 612</b>
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0
Norway	0	0	1	1	1	2	1	4	1	2	2	5
Croatia	0	3	33	36	4	4	37	45	4	7	70	81
Turkey	9	6	96	111	32	5	59	96	41	11	155	207

Source: Eurostat/NewCronos

**Table 5: Number of passengers killed and seriously injured by type of accident in 2006**

	Collisions	Derailments	Accidents involving level-crossings	Accidents to persons caused by rolling stock in motion	Fires in rolling Stock	Others	Unknown	Total
Belgium	0	0	3	5	0	1	0	9
Bulgaria	0	0	0	20	0	1	0	21
Czech Republic	1	0	0	14	0	0	0	15
Denmark	0	0	0	4	0	0	0	4
Germany	17	0	0	11	3	3	0	34
Estonia	0	0	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0
Greece	6	0	13	1	0	0	0	20
Spain	0	21	0	11	0	0	0	32
France	4	0	0	21	0	0	0	25
Italy	16	0	1	27	3	0	0	47
Cyprus	-	-	-	-	-	-	-	-
Latvia	0	0	0	0	0	0	0	0
Lithuania	0	0	0	0	0	0	0	0
Luxembourg	0	0	0	0	13	0	0	13
Hungary	6	0	0	6	0	41	0	53
Malta	-	-	-	-	-	-	-	-
Netherlands	4	1	3	3	0	0	0	11
Austria	1	0	1	9	0	0	0	11
Poland	0	0	8	0	0	63	0	71
Portugal	0	0	0	8	0	0	0	8
Romania	0	0	0	0	0	0	0	0
Slovenia	0	0	0	0	0	0	0	0
Slovakia	0	0	1	0	0	0	0	1
Finland	0	0	0	2	0	0	0	2
Sweden	0	0	0	1	0	0	0	1
United Kingdom	0	0	0	9	0	0	0	9
<b>EU-27</b>	<b>55</b>	<b>22</b>	<b>30</b>	<b>152</b>	<b>19</b>	<b>109</b>	<b>0</b>	<b>387</b>
Liechtenstein	0	0	0	0	0	0	0	0
Norway	0	0	0	1	0	0	0	1
Croatia	0	1	0	1	0	2	0	4
Turkey	0	0	1	3	0	37	0	41

Source: Eurostat/NewCronos

## Accidents involving dangerous goods

**Table 6: Number of accidents with dangerous goods, 2005 and 2006**

	Number of accidents involving the transport of dangerous goods			of which releasing dangerous goods			Number of accidents involving the transport of dangerous goods per billion tkm of dangerous goods transport		
	2005	2006	2005 and 2006	2005	2006	2005 and 2006	2005	2006	Average 2005 and 2006
Belgium	0	0	0	0	0	0	0	0	0
Bulgaria	:	2	:	:	2	:	:	1	:
Czech Republic	0	0	0	0	0	0	0	0	0
Denmark	2	1	3	0	1	1	17	18	17
Germany	5	3	8	0	1	1	0	0	0
Estonia	4	0	4	0	0	0	1	0	0
Ireland	0	0	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0	0	0
Spain	9	14	23	0	0	0	3	8	5
France	5	0	5	2	0	2	:	0	:
Italy	0	0	0	0	0	0	0	0	0
Cyprus	-	-	-	-	-	-	-	-	-
Latvia	0	0	0	0	0	0	0	:	:
Lithuania	7	8	15	0	0	0	2	2	2
Luxembourg	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	1	1	0	0	0
Malta	-	-	-	-	-	-	-	-	-
Netherlands	5	3	8	0	0	0	10	:	:
Austria	21	17	38	20	15	35	15	12	13
Poland	1	0	1	0	0	0	0	0	0
Portugal	1	0	1	0	0	0	13	:	:
Romania	1	0	1	0	0	0	0	0	0
Slovenia	0	0	0	0	0	0	0	0	0
Slovakia	0	0	0	0	0	0	0	0	0
Finland	0	0	0	0	0	0	0	0	0
Sweden	3	1	4	0	1	1	3	1	2
United Kingdom	9	3	12	2	3	5	8	:	:
<b>EU-27</b>	<b>:</b>	<b>52</b>	<b>:</b>	<b>:</b>	<b>24</b>	<b>:</b>	<b>:</b>	<b>:</b>	<b>:</b>
Liechtenstein	0	0	0	0	0	0	0	0	0
Norway	2	1	3	2	1	3	5	14	10
Croatia	1	0	1	1	0	1	2	0	1
Turkey	0	0	0	0	0	0	0	0	0

Source: Eurostat/NewCronos

## METHODOLOGICAL NOTES

### Data availability

The figures presented in this publication have been extracted from the Eurostat rail transport database. It includes the statistics on rail accidents in the Member States, collected according to the Regulation n°91/2003.

### Country characteristics of data availability

- CZ Fatalities currently include suicides and some slightly injured people may be included as 'seriously injured'.
- DK The accident data for 2004 published in the previous Statistics in Focus only cover accidents on the main network (i.e. excluding the regional networks). Starting with 2005, the accident data on the regional networks are also included.
- DE The data provided in Tables 1 and 2 include all accidents involving personal injury. This means that accidents with only slightly injured persons are included.
- CY No railway transport
- MT No railway transport
- SE The data on accidents involving the transport of dangerous goods may, due to methodological reasons, not be wholly consistent with the number of incidents that should be reported according the RID/ADR 1.8.5 rules on notification of occurrences involving dangerous goods.
- UK The number of fatalities (currently including or excluding suicides) may be subject to change depending on Coroner's verdicts that were not yet available.

### Definitions

Definitions presented here are those of the Regulation n°1192/2003 (EC) of 3 July 2003 amending Regulation (EC) No 91/2003 of the European Parliament and of the Council on rail transport statistics. However, some Member States (for example, Bulgaria, Germany and the United Kingdom) have reported these statistics according to the definitions of Directive 2004/49/EC or according to national definitions (Annex H, Note 5).

Passenger-km: the unit of measure representing the transport of one passenger by rail over a distance of one kilometre. Only the distance on the national territory of the reporting country is taken into account.

Train-km: the unit of measure representing the movement of a train over one kilometre. The distance used is the distance actually run, if available, otherwise the standard network distance between the origin and destination is used. Only the distance on the national territory of the reporting country is taken into account.

Significant accident: any accident involving at least one rail vehicle in motion, resulting in at least one killed or seriously injured person, or in significant damage to stock, track, other installations or environment, or extensive disruptions to traffic. Accidents in workshops, warehouses and depots are excluded.

Serious injury accident: any accident involving at least one rail vehicle in motion, resulting in at least one killed or seriously injured person. Accidents in workshops, warehouses and depots are excluded.

Level crossing accident: any accident at level crossings involving at least one railway vehicle and one or more road vehicles, other users of the road such as pedestrians or other objects temporarily present at or near the track.

Accident to persons caused by rolling stock in motion: any accident to one or more persons that are either hit by a railway vehicle or part of it or hit by an object detached from the vehicle. Persons that fall from railway vehicles are included, as well as persons that fall or are hit by loose objects when travelling on-board vehicles.

Person killed (Fatality): any person killed immediately or dying within 30 days as a result of an accident, excluding suicides. It includes passengers, employees and others persons specified or unspecified persons involved in a rail injury accident.

Person seriously injured: any person injured who was hospitalised for more than 24 hours as a result of an accident, excluding attempted suicides.

Rail passenger: any person, excluding members of the train crew, who makes a trip by rail. For accident statistics, passengers trying to embark/disembark onto/from a moving train are included.

Others: as a category of victim, "others" includes, for example, level crossing users and unauthorised persons on railway premises.

Accident involving the transport of dangerous goods: any accident or incident that is subject to reporting in accordance with RID/ADR section 1.8.5.

### Methodology

According to the Regulation 91/2003, during the first five years of application of this Regulation, Member States may report these statistics according to national definitions, if data conforming to harmonised definitions are not available.

Please note that the definition of the accident involving the transport of dangerous goods include also accidents or incidents, which may occur during the whole transport process of a dangerous good. It includes the situation when the railway vehicle is not in motion (e.g.: a leakage which happened at sidings), which makes the definition broader than the definition of railway accident (where at least one rail vehicle is supposed to be in motion).

### Symbols:

: not available

- not applicable

0 actual zero or very negligible value

## FURTHER INFORMATION

### European Statistical Data Support

Contact details for this support network can be found on the Eurostat Internet site:

<http://ec.europa.eu/eurostat> → Services: Help/Data support