

Ministerie van Verkeer en Waterstaat



Rijkswaterstaat

**Road accidents
The 2002 figures**

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Actual numbers of road accidents

The police are responsible for recording information on road accidents in the Netherlands. This information is passed on to the Transport Research Centre's Department for Statistics and Data Management (AVV/BI), which manages the road accident database, using data drawn from police reports. Accidents not attended to by the police, even those with serious injury, are not recorded in the database. However, since the database is very extensive, it gives a useful overview of the type of accidents occurring in the Netherlands.

In practice, much depends on the nature of the accident and the mode of transport involved. Serious accidents tend to be recorded more frequently than minor accidents, and accidents involving cyclists tend to be recorded less frequently than those involving motorists. It is precisely the seriousness of accidents and the mode of transport that are important factors in determining road safety policy. For effective policies, it is therefore essential that the figures are correct.

In 1996, AVV/BI consulted the Central Bureau for Statistics (CBS) Netherlands and the SWOV Institute for Road Safety Research to establish the estimated number of road accidents occurring in the Netherlands. In doing so, they used a comprehensive system of scientific extrapolation methods, as well as independent sources. What is more, they also used control databases to check whether the results of the various extrapolations were consistent, and to fill in any gaps appearing in the source data.

New

To reach the demand of a large group of users, we added a number of statistics concerning traffic casualties due to accidents involving a van or a truck.

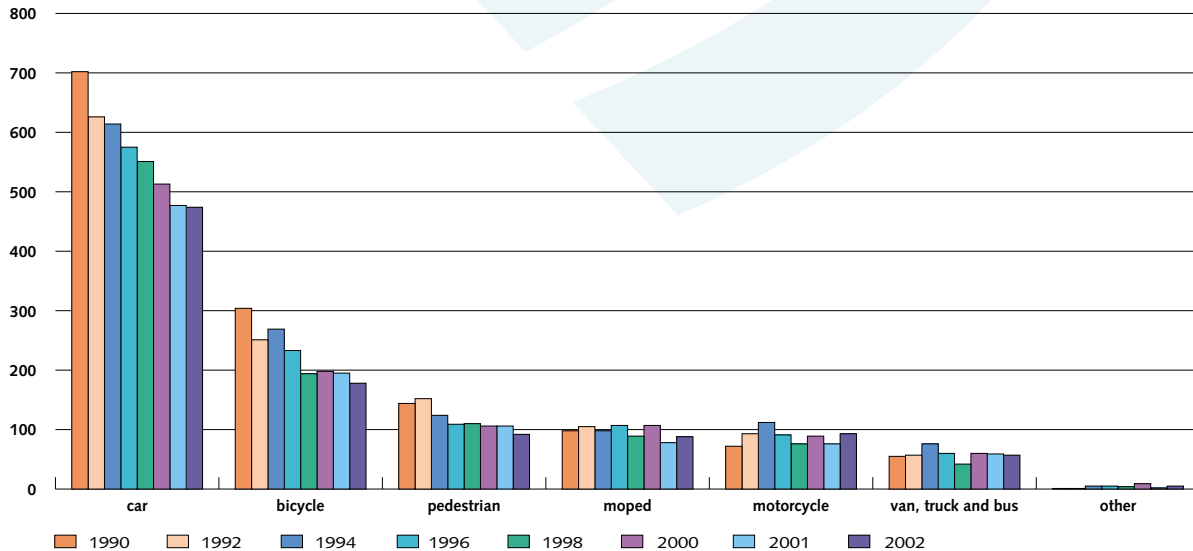
Development of actual recorded traffic fatalities by age and transport mode

1990	car drivers	car passengers	motorcycle	moped	van	bicycle	other	total
0 - 3 years	0	9	0	0	0	0	4	13
4 - 11 years	0	10	0	0	0	28	18	56
12 - 15 years	1	4	0	2	0	33	5	45
16 - 17 years	0	10	2	34	1	16	4	67
18 - 24 years	116	66	23	23	14	18	21	281
25 - 34 years	120	41	32	4	8	24	11	240
35 - 49 years	102	32	13	3	10	21	24	205
50 - 64 years	48	25	2	6	12	48	21	162
65+	69	49	0	26	0	116	47	307
total	456	246	72	98	45	304	155	1,376
2000								
0 - 3 years	0	7	0	0	1	0	3	11
4 - 11 years	0	2	0	0	3	13	6	24
12 - 15 years	0	3	1	6	0	17	4	31
16 - 17 years	0	10	0	25	0	7	2	44
18 - 24 years	93	47	17	21	19	17	13	227
25 - 34 years	79	32	25	9	14	9	10	178
35 - 49 years	76	9	34	9	6	23	31	188
50 - 64 years	52	19	12	8	8	29	16	144
65+	62	22	0	29	1	83	38	235
total	362	151	89	107	52	198	123	1,082

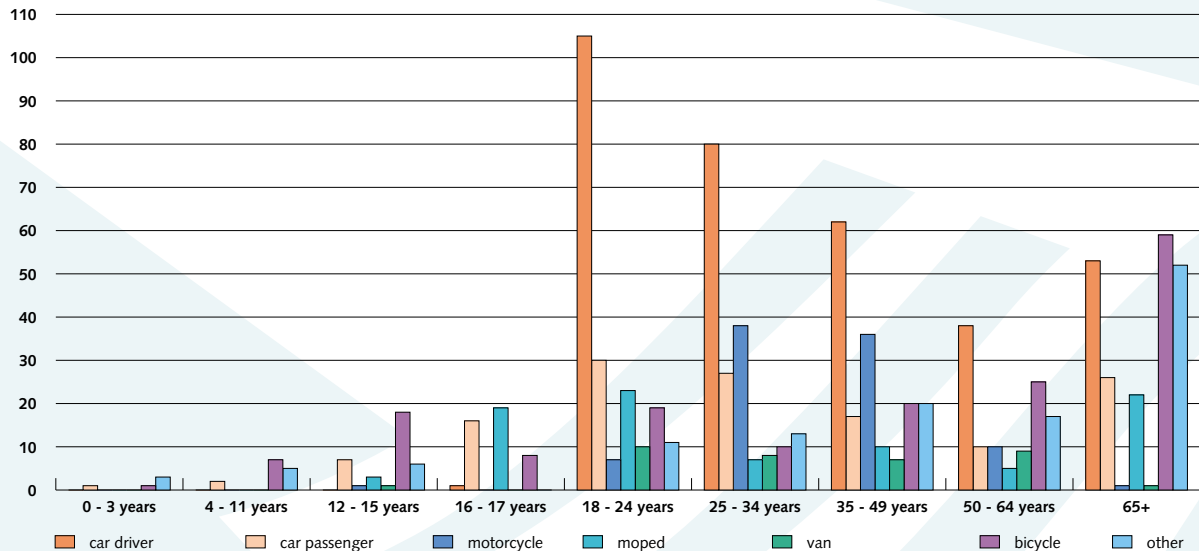
2001	car drivers	car passengers	motorcycle	moped	van	bicycle	other	total
0 - 3 years	0	4	0	0	1	0	5	9
4 - 11 years	0	9	0	0	0	10	5	24
12 - 15 years	0	5	1	1	0	14	7	28
16 - 17 years	0	10	2	20	0	9	2	43
18 - 24 years	85	31	8	14	4	11	9	162
25 - 34 years	88	24	31	6	16	15	9	189
35 - 49 years	77	9	29	7	8	21	23	174
50 - 64 years	51	10	5	8	11	39	18	142
65+	50	24	0	22	3	76	47	222
total	351	126	76	78	42	195	125	993
2002								
0 - 3 years	0	1	0	0	0	1	3	5
4 - 11 years	0	2	0	0	0	7	5	14
12 - 15 years	0	7	1	3	1	18	6	36
16 - 17 years	1	16	0	19	0	8	0	44
18 - 24 years	105	30	7	23	10	19	11	205
25 - 34 years	80	27	38	7	8	10	13	183
35 - 49 years	62	17	36	10	7	20	20	172
50 - 64 years	38	10	10	5	9	25	17	114
65+	53	26	1	22	1	59	52	214
total	339	136	93	89	36	167	127	987

Source: AVV/BI

Development of actual recorded traffic fatalities by transport mode



Actual recorded traffic fatalities by age and transport mode, 2002



Distribution of actual recorded traffic fatalities by age and risk*

	0 - 3 years		4 -11 years		12 - 15 years		16 - 17 years		18 - 24 years		25 - 34 years		35 - 49 years		50 - 64 years		65+		total traffic fatalities	total inhabitants
	number	risk	number	risk	number	risk	number	risk	number	risk	number	risk	number	risk	number	risk	number	risk		
1990	13	0.19	56	0.43	45	0.66	67	1.7	281	1.7	240	1.0	205	0.7	162	0.8	307	1.7	1.376	14,892,574
1991	10	0.15	52	0.42	36	0.58	80	2.3	270	1.8	214	1.0	188	0.7	159	0.8	272	1.6	1.281	15,010,445
1992	14	0.22	46	0.38	45	0.75	45	1.4	234	1.7	218	1.0	195	0.7	152	0.8	304	1.9	1.253	15,129,150
1993	14	0.22	47	0.40	35	0.59	62	2.1	228	1.7	217	1.0	186	0.7	134	0.7	312	1.9	1.235	15,239,182
1994	12	0.18	40	0.32	52	0.84	41	1.3	241	1.8	252	1.1	199	0.7	172	0.9	289	1.7	1.298	15,341,553
1995	19	0.28	34	0.26	47	0.74	62	2.0	220	1.7	240	1.1	232	0.8	171	0.8	309	1.8	1.334	15,424,122
1996	7	0.12	23	0.20	56	1.01	49	1.8	222	2.0	221	1.1	191	0.7	138	0.8	273	1.7	1.180	15,493,889
1997	7	0.12	32	0.28	40	0.74	46	1.7	200	1.9	239	1.2	191	0.7	142	0.8	266	1.7	1.163	15,567,107
1998	9	0.17	20	0.19	27	0.55	45	1.8	209	2.3	209	1.2	174	0.7	146	0.8	227	1.6	1.066	15,654,192
1999	15	0.28	33	0.30	34	0.67	54	2.1	193	2.1	194	1.1	179	0.7	146	0.8	242	1.6	1.090	15,760,225
2000	11	0.20	24	0.22	31	0.60	44	1.8	227	2.5	178	1.0	188	0.8	144	0.8	235	1.6	1.082	15,863,950
2001	9	0.18	24	0.24	28	0.59	43	1.9	162	2.0	189	1.3	174	0.8	142	0.8	222	1.6	993	15,987,075
2002	5	0.10	14	0.14	36	0.75	44	1.9	205	2.5	183	1.3	172	0.8	114	0.7	214	1.6	987	16,105,285

Source: AVV/BI and Statistics Netherlands

* risk is expressed as the ratio between the relative number of traffic fatalities and the relative number of inhabitants of an age class

Actual recorded traffic fatalities and casualties with serious injury by province

	Groningen	Friesland	Drenthe	Overijssel	Flevoland	Gelderland	Utrecht	North-Holland	South-Holland	Zeeland	North-Brabant	Limburg	total
1985													
fatalities	52	66	81	122	22	200	91	202	224	44	230	104	1,438
serious injury	435	569	462	1,115	202	1,813	965	2,439	2,376	459	2,614	1,071	14,520
1986													
fatalities	45	64	69	107	28	210	90	200	231	56	312	117	1,529
serious injury	428	580	447	1,047	206	1,982	1,025	2,329	2,465	461	2,601	1,133	14,704
1999													
fatalities	29	75	44	98	27	164	72	141	148	40	186	66	1,090
serious injury	509	387	477	1,019	191	1,715	895	1,717	2,073	446	2,079	880	12,388
2000													
fatalities	29	62	44	78	37	154	48	154	148	35	206	87	1,082
serious injury	474	359	451	972	202	1,608	810	1,593	1,984	354	1,879	821	11,507
2001													
fatalities	38	42	55	78	18	113	54	138	129	35	194	99	993
serious injury	471	243	491	1,002	264	1,519	766	1,581	1,764	368	1,890	670	11,029
2002													
fatalities	55	45	53	63	24	125	49	121	154	28	191	79	987
serious injury	442	249	427	944	171	1,523	791	1,594	1,799	371	1,961	746	11,018

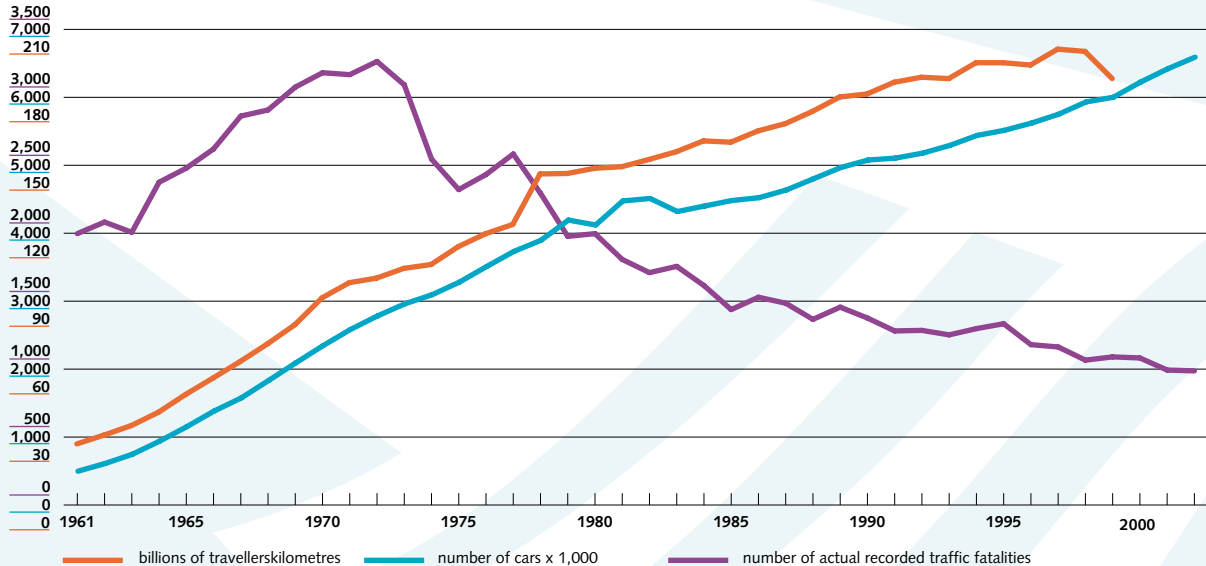
Source: AVV/BI

Actual recorded traffic fatalities and casualties with serious injury by province per 100,000 inhabitants

	Groningen	Friesland	Drenthe	Overijssel	Flevoland	Gelderland	Utrecht	North-Holland	South-Holland	Zeeland	North-Brabant	Limburg	total average
1985													
fatalities	9	11	19	12	18	11	10	9	7	12	11	10	10
serious injury	78	95	108	107	167	104	103	106	75	129	124	99	100
1986													
fatalities	8	11	16	11	16	12	10	9	7	16	15	11	11
serious injury	76	97	103	105	116	113	109	100	78	130	122	104	101
1999													
fatalities	5	12	9	9	9	9	7	6	4	11	8	6	7
serious injury	91	62	102	95	62	90	81	69	61	120	89	77	79
2000													
fatalities	5	10	9	7	12	8	4	6	4	9	9	8	7
serious injury	84	57	96	90	64	84	73	63	58	95	80	72	73
2001													
fatalities	7	7	12	7	5	6	5	5	4	9	8	9	6
serious injury	83	39	103	92	80	79	69	62	52	98	80	59	69
2002													
fatalities	10	7	11	6	7	6	4	5	4	7	8	7	6
serious injury	77	39	89	86	49	78	69	62	52	98	82	65	68

Source: AVV/BI

Trends in mobility, car ownership and actual recorded traffic fatalities



Actual recorded traffic fatalities and casualties with serious injury in road traffic accidents involving at least one driver under the influence of alcohol

1990	car	van/truck	motorcycle	moped	bicycle	pedestrian	other	total
0 - 14 years	15	2	0	2	7	9	0	35
15 - 17 years	24	1	1	57	22	3	0	108
18 - 24 years	280	17	25	83	31	22	5	463
25 - 34 years	262	16	20	26	26	27	2	379
35 - 49 years	159	11	7	14	30	24	0	245
50 - 64 years	77	2	0	13	12	22	0	126
65+	21	1	0	3	15	10	0	50
unknown	7	1	0	0	2	1	0	11
total	845	51	53	198	145	118	7	1,417
2000								
0 - 14 years	23	8	0	3	6	7	0	47
15 - 17 years	27	1	1	48	8	6	1	92
18 - 24 years	266	14	3	69	21	10	1	384
25 - 34 years	289	19	18	42	23	11	2	404
35 - 49 years	202	19	14	25	32	8	1	301
50 - 64 years	94	7	4	20	23	7	0	155
65+	38	1	0	5	14	5	0	63
unknown	17	1	0	1	0	0	0	19
total	956	70	40	213	127	54	5	1,465

2001	car	van/truck	motorcycle	moped	bicycle	pedestrian	other	total
0 - 14 years	15	1	0	0	9	1	0	26
15-17 years	22	1	2	38	11	5	1	80
18-24 years	164	15	8	49	23	10	0	269
25-34 years	218	21	18	39	14	8	0	318
35-49 years	154	13	23	34	23	9	1	257
50-64 years	65	5	4	11	21	6	0	112
65+	16	0	0	4	9	5	0	34
unknown	7	1	0	0	1	3	0	12
total	661	57	55	175	111	47	2	1,108
2002								
0 - 14 years	11	1	0	2	4	7	0	25
15 - 17 years	21	0	0	38	19	3	0	81
18 - 24 years	200	16	2	66	22	10	1	317
25 - 34 years	242	15	10	38	20	9	1	335
35 - 49 years	171	13	11	43	19	7	2	266
50 - 64 years	68	8	4	8	19	6	2	115
65+	12	3	0	5	11	11	2	44
unknown	6	0	0	2	3	0	0	11
total	731	56	27	202	117	53	8	1,194

Source: AVV/BI

Actual recorded traffic fatalities, traffic casualties with serious injury and with slight injury due to accidents in which a van or a truck was involved as a primary collider*

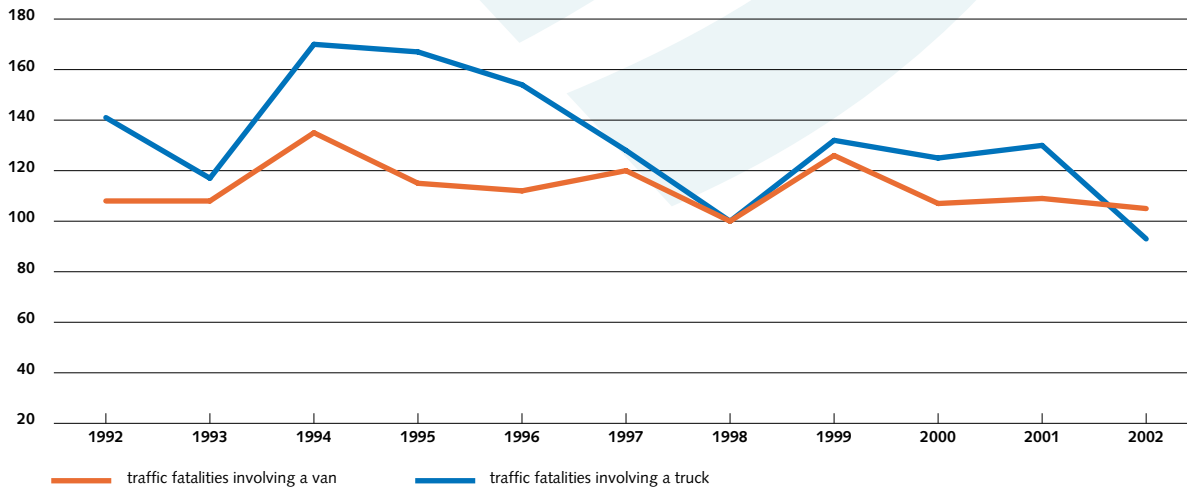
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
traffic fatalities involving a van	112	112	140	120	116	125	104	131	111	113	109
traffic fatalities involving a truck	179	149	216	212	196	162	127	168	159	165	118
serious injury involving a van	1,055	1,111	1,252	1,084	1,060	1,154	1,269	1,408	1,360	1,345	1,253
serious injury involving a truck	648	642	632	686	640	625	626	705	675	569	560
slight injury involving a van	3,124	3,360	3,635	3,703	3,429	3,569	3,816	4,089	4,126	3,922	3,463
slight injury involving a truck	1,472	1,415	1,434	1,480	1,411	1,468	1,505	1,498	1,326	1,374	1,123

*Fatalities due to road accidents in which both the van and the truck are the primary colliders are added in the category 'truck'

Primary colliders are those objects which, during the accident, hit each other first.

Source: AVV/BI

Indices actual recorded traffic fatalities, due to an accident involving a van or a truck as a primary collider* (1998 = 100)

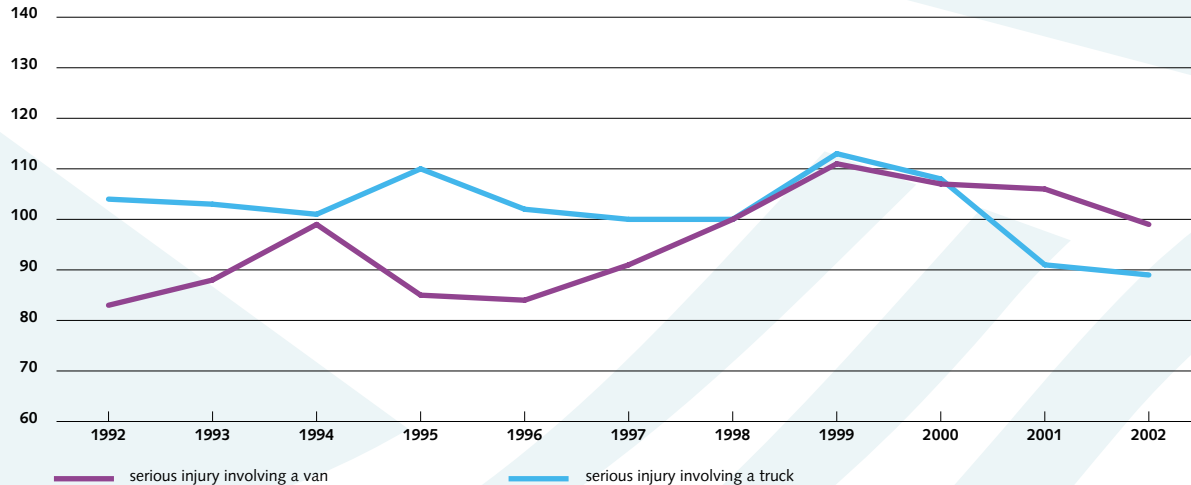


*Fatalities due to road accidents in which both the van and the truck are the primary colliders are added in the category 'truck'

Primary colliders are those objects which, during the accident, hit each other first.

Source: AVV/BI

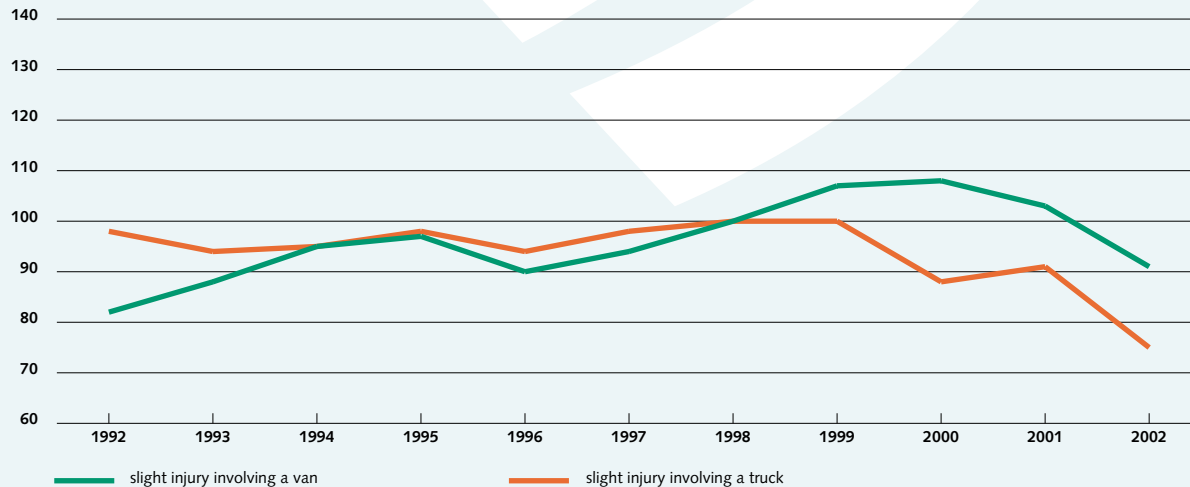
Indices actual recorded traffic casualties with serious injury, due to an accident involving a van or a truck as a primary collider* (1998 = 100)



*Fatalities due to road accidents in which both the van and the truck are the primary colliders are added in the category 'truck'
Primary colliders are those objects which, during the accident, hit each other first.

Source: AVV/BI

Indices actual recorded traffic casualties with slight injury, due to an accident involving a van or a truck as a primary collider* (1998 = 100)

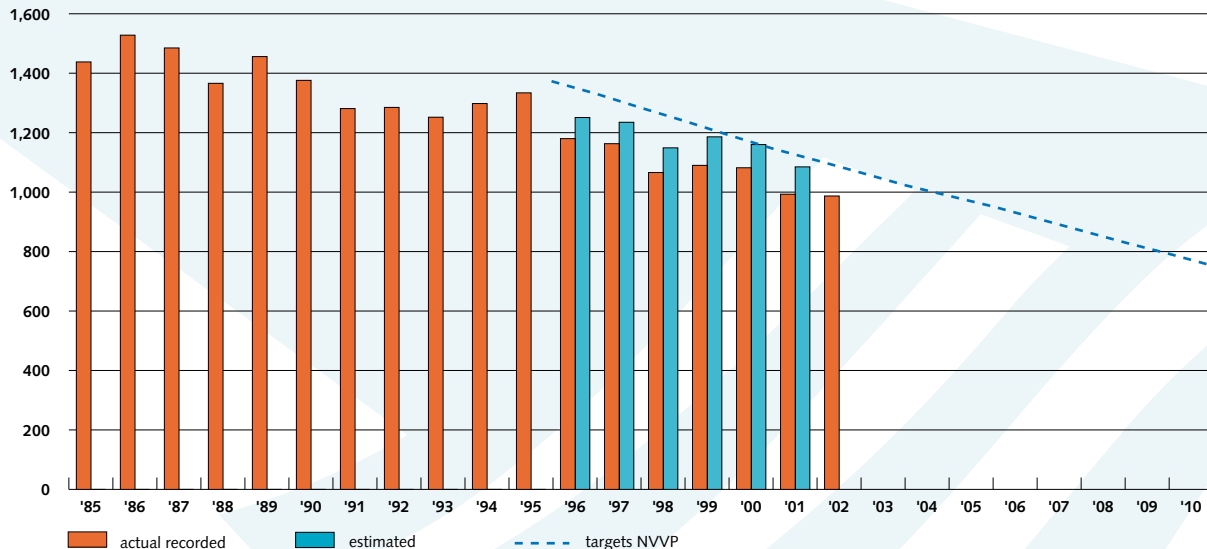


*Fatalities due to road accidents in which both the van and the truck are the primary colliders are added in the category 'truck'

Primary colliders are those objects which, during the accident, hit each other first.

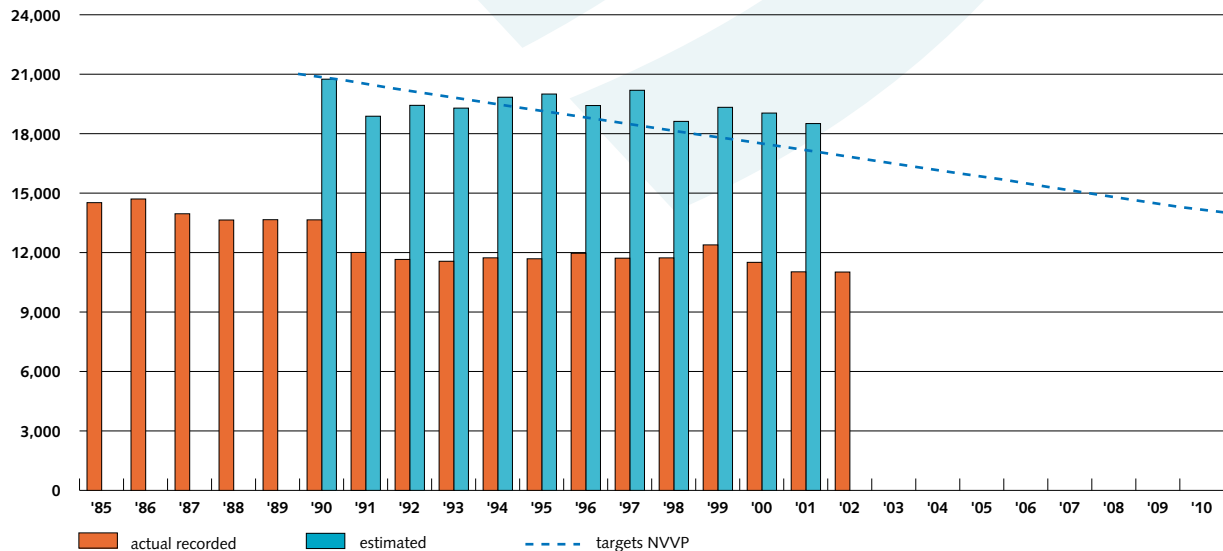
Source: AVV/BI

Actual recorded versus estimated traffic fatalities and NVVP-targets

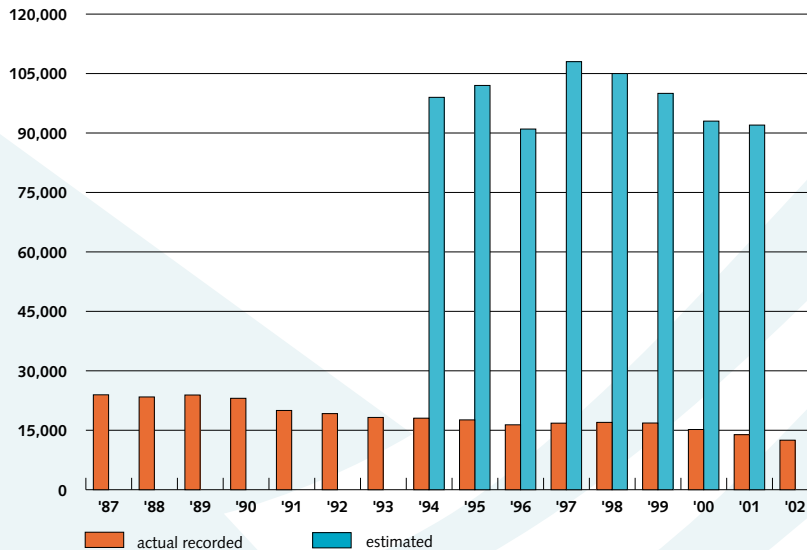


Source: AVV/BI

Actual recorded versus estimated casualties with serious injury and NVVP-targets



Actual recorded versus estimated casualties with slight injury



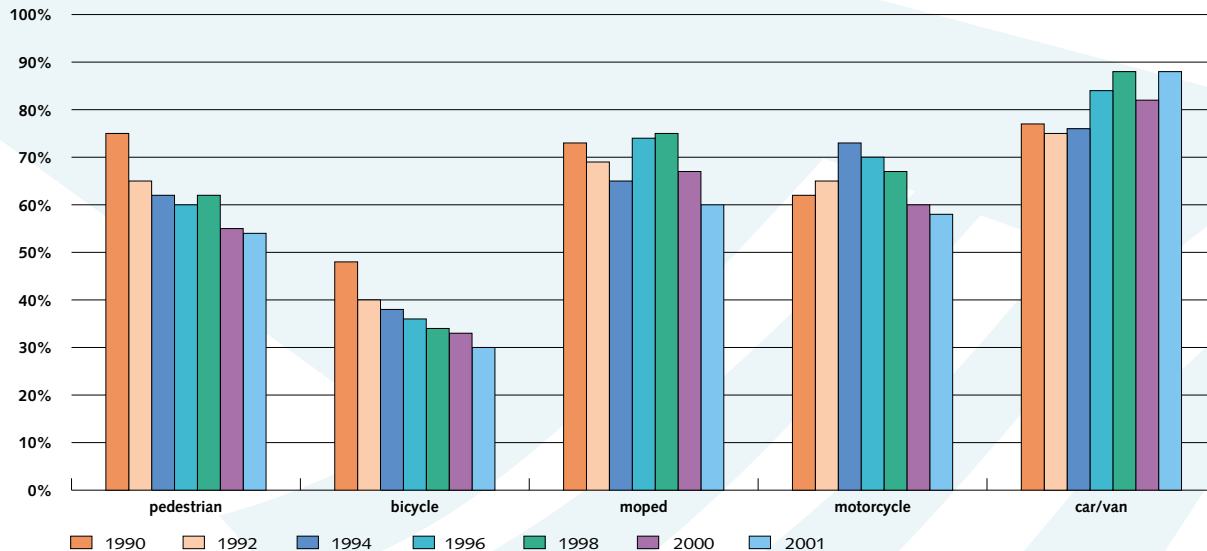
Source: AVV/BI

Actual recorded versus estimated casualties with serious injury by transport mode

		pedestrian	bicycle	moped	motorcycle	car	other	total
1993	actual recorded	1,071	2,608	1,889	887	4,971	127	11,553
	estimated	1,660	6,800	2,860	1,270	6,470	220	19,290
1994	actual recorded	1,047	2,682	1,929	975	4,961	141	11,735
	estimated	1,700	7,040	2,990	1,340	6,540	240	19,840
1995	actual recorded	920	2,499	2,129	886	5,134	120	11,688
	estimated	1,590	7,290	3,140	1,330	6,410	240	20,000
1996	actual recorded	954	2,491	2,217	949	5,218	137	11,966
	estimated	1,600	7,000	3,000	1,360	6,230	240	19,430
1997	actual recorded	858	2,517	2,187	880	5,146	129	11,717
	estimated	1,530	7,450	3,180	1,380	6,420	240	20,200
1998	actual recorded	827	2,329	2,320	740	5,390	127	11,733
	estimated	1,340	6,760	3,110	1,110	6,120	180	18,620
1999	actual recorded	854	2,385	2,398	795	5,785	171	12,388
	estimated	1,340	7,120	3,160	1,280	6,320	190	19,410
2000	actual recorded	759	2,263	2,059	749	5,030	647	11,507
	estimated	1,370	6,960	3,090	1,250	6,170	200	19,040
2001	actual recorded	680	2,082	1,767	767	5,201	532	11,029
	estimated	1,270	6,860	2,930	1,330	5,930	190	18,510

Source: AVV/BI and Statistics Netherlands

Registration level of casualties with serious injury by transport mode



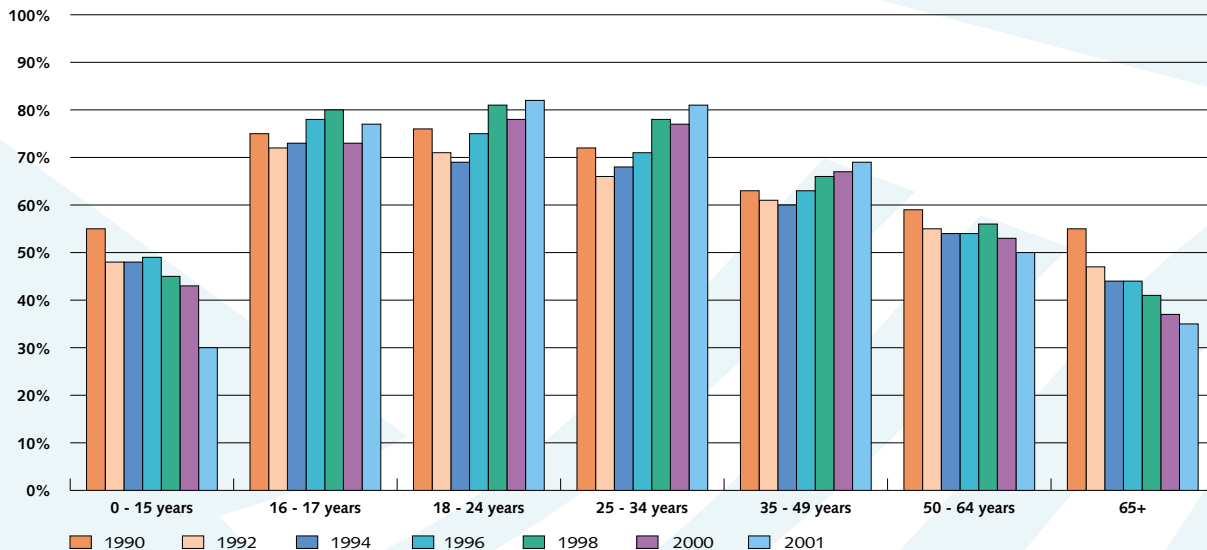
Source: AVV/BI

Actual recorded versus estimated casualties with serious injury by age

		0 - 15 years	16 - 17 years	18 - 24 years	25 - 34 years	35 - 49 years	50 - 64 years	65+	unknown	total
1992	actual recorded	1,389	1,099	2,519	1,952	1,807	1,268	1,511	103	11,648
	estimated	2,870	1,530	3,560	2,960	2,970	2,320	3,230	-	19,430
1994	actual recorded	1,340	1,022	2,243	2,218	1,925	1,338	1,502	147	11,735
	estimated	2,820	1,400	3,250	3,240	3,220	2,500	3,410	-	19,840
1995	actual recorded	1,255	1,090	2,242	2,223	1,978	1,394	1,403	103	11,688
	estimated	2,840	1,530	3,170	3,220	3,300	2,540	3,400	-	20,000
1996	actual recorded	1,315	1,124	2,303	2,276	2,030	1,356	1,444	118	11,966
	estimated	2,690	1,440	3,060	3,210	3,210	2,520	3,280	-	19,420
1997	actual recorded	1,193	1,038	2,210	2,253	2,058	1,355	1,489	121	11,717
	estimated	2,730	1,430	3,080	3,280	3,460	2,670	3,560	-	20,190
1998	actual recorded	1,144	1,012	2,264	2,300	2,114	1,403	1,382	114	11,733
	estimated	2,520	1,270	2,810	2,940	3,200	2,520	3,360	-	18,620
1999	actual recorded	1,214	1,035	2,463	2,377	2,317	1,426	1,448	108	12,388
	estimated	2,310	1,630	2,930	3,060	3,340	2,630	3,510	-	19,410
2000	actual recorded	1,091	887	2,203	2,211	2,232	1,469	1,290	124	11,507
	estimated	2,530	1,220	2,810	2,890	3,350	2,770	3,470	-	19,040
2001	actual recorded	680	949	2,056	2,215	2,359	1,413	1,240	99	11,029
	estimated	2,280	1,240	2,500	2,750	3,410	2,800	3,520	-	18,510

Source: AVV/BI and Statistics Netherlands

Registration level of casualties with serious injury by age



Actual recorded versus estimated casualties with serious injury by province

		Groningen	Friesland	Drenthe	Overijssel/ Flevoland	Gelder- land	Utrecht	North- Holland	South- Holland	Zeeland	North- Brabant	Limburg	totaal
1992	actual recorded	462	456	425	1,067	1,578	800	1,882	1,903	376	1,800	899	11,648
	estimated	760	1,080	610	1,860	2,640	1,200	3,320	3,150	440	2,710	1,650	19,430
1994	actual recorded	469	455	450	1,077	1,428	812	1,837	1,978	339	2,015	875	11,735
	estimated	820	1,050	690	1,900	2,450	1,220	3,350	3,250	400	2,960	1,760	19,840
1995	actual recorded	531	375	443	1,219	1,519	830	1,669	1,981	365	1,922	834	11,688
	estimated	810	1,030	690	2,200	2,610	1,320	3,320	3,180	400	2,800	1,640	20,000
1996	actual recorded	510	391	392	1,170	1,609	947	1,610	2,025	371	2,110	831	11,966
	estimated	750	1,010	650	1,930	2,580	1,310	3,020	3,240	470	2,920	1,530	19,420
1997	actual recorded	479	311	406	1,088	1,585	869	1,555	2,016	378	2,079	951	11,717
	estimated	790	1,040	680	1,990	2,720	1,260	3,180	3,490	440	3,000	1,620	20,190
1998	actual recorded	454	386	424	1,167	1,597	928	1,623	2,005	376	1,924	849	11,733
	estimated	690	970	630	1,960	2,620	1,440	3,000	2,930	390	2,520	1,470	18,620
1999	actual recorded	509	387	477	1,210	1,715	895	1,717	2,073	446	2,079	880	12,388
	estimated	750	1,020	660	2,070	2,570	1,390	3,220	2,920	480	2,760	1,570	19,410
2000	actual recorded	474	359	451	1,174	1,608	810	1,593	1,984	354	1,879	821	11,507
	estimated	780	970	630	2,010	2,510	1,290	3,140	2,930	450	2,650	1,680	19,040
2001	actual recorded	474	243	491	1,266	1,519	766	1,581	1,764	368	1,890	670	11,029
	estimated	800	900	620	2,010	2,420	1,180	3,260	2,660	490	2,620	1,550	18,510

Source: AVV/BI

