

North Carolina Department of Transportation
Transportation Mobility and Safety Division
Traffic Safety Unit
2014 ~ 2016 Three Year Crash Rates

ITEMS		TOTAL CRASH RATE (1)	FATAL CRASH RATE (1)	NON-FATAL INJURY CRASH RATE (1)	WET CRASH RATE (1)	NIGHT CRASH RATE (1)	RUN-OFF-ROAD CRASH RATE (1, 3)	SEVERITY INDEX (2)
INTERSTATES	RURAL	63.01	0.52	13.89	13.35	21.61	25.86	3.92
	URBAN	115.36	0.39	27.14	23.06	28.73	23.52	3.29
	STATE-WIDE	102.89	0.42	23.98	20.75	27.03	24.07	3.38
US ROUTES	RURAL	107.90	1.03	31.49	20.22	38.80	37.41	4.78
	URBAN	237.98	0.97	69.86	40.71	51.43	28.39	3.85
	STATE-WIDE	185.26	0.99	54.31	32.41	46.31	32.05	4.07
NC ROUTES	RURAL	166.33	1.92	51.14	26.73	62.12	60.32	5.23
	URBAN	281.39	1.01	86.01	44.70	61.73	32.27	3.96
	STATE-WIDE	225.20	1.45	68.98	35.92	61.92	45.97	4.42
PRIMARY	RURAL	117.84	1.22	34.25	20.89	42.94	42.72	4.90
	URBAN	194.24	0.72	54.84	33.94	43.81	27.11	3.74
	STATE-WIDE	166.19	0.91	47.28	29.15	43.49	32.84	4.04
SECONDARY ROAD	RURAL	232.78	2.51	68.63	39.60	99.16	117.19	5.01
	URBAN	301.80	1.00	91.34	50.77	71.39	53.27	3.92
	STATE-WIDE	278.79	1.50	83.77	47.05	80.65	74.58	4.23
STATEWIDE ALL SYSTEM ROUTES	RURAL	145.07	1.53	42.39	25.32	56.26	60.36	4.94
	URBAN	222.73	0.80	64.51	38.40	51.11	34.04	3.81
	STATE-WIDE	194.88	1.06	56.58	33.71	52.96	43.48	4.11

(1) CRASH RATES ARE IN CRASHES PER 100 MILLION VEHICLE MILES OF TRAVEL

(2) SEVERITY INDEX = (76.8*(F+A) + 8.4*(B+C) + PDO) / TOTAL CRASHES

(3) RUN-OFF ROAD CRASHES INCLUDE: RUN-OFF ROAD (RIGHT, LEFT OR STRAIGHT), FIXED OBJECT, OVERTURN/ROLLOVER, SIDESWIPE OPPOSITE DIRECTION, PARKED VEHICLE, AND HEAD ON CRASH TYPES.

**2014-2016 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED 2 LANES CONT. LEFT TURN LANE 3 LANES UNDIVIDED 4 OR MORE LANES UNDIVIDED 4 OR MORE LANES CONT. LEFT TURN 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS							
	551	63.01	0.52	13.89	13.35	21.61	25.86
TOTAL	551	63.01	0.52	13.89	13.35	21.61	25.86

URBAN INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED 2 LANES CONT. LEFT TURN LANE 3 LANES UNDIVIDED 4 OR MORE LANES UNDIVIDED 4 OR MORE LANES CONT. LEFT TURN 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS							
	718	115.36	0.39	27.14	23.06	28.73	23.52
TOTAL	718	115.36	0.39	27.14	23.06	28.73	23.52

ALL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED 2 LANES CONT. LEFT TURN LANE 3 LANES UNDIVIDED 4 OR MORE LANES UNDIVIDED 4 OR MORE LANES CONT. LEFT TURN 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS							
	1269	102.89	0.42	23.98	20.75	27.03	24.07
TOTAL	1,269	102.89	0.42	23.98	20.75	27.03	24.07

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

**2014-2016 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	2,408	145.87	1.60	45.47	24.19	51.64	50.80
2 LANES CONT. LEFT TURN LANE *	22	102.96	2.44	30.52	19.94	27.27	37.03
3 LANES UNDIVIDED *	12	240.79	1.25	72.36	46.16	47.41	52.40
4 OR MORE LANES UNDIVIDED *	59	167.05	1.31	46.87	29.21	36.80	27.89
4 OR MORE LANES CONT. LEFT TURN	111	115.01	0.79	36.03	20.14	32.97	22.41
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	366	85.41	0.66	24.40	13.24	32.14	24.52
PARTIAL CONTROL ACCESS	249	68.35	0.64	19.13	14.37	26.89	24.24
FULL CONTROL ACCESS	370	69.15	0.48	15.10	20.86	29.18	35.42
TOTAL	3,597	107.90	1.03	31.49	20.22	38.80	37.41

URBAN UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	618	240.86	1.18	74.91	39.25	51.23	41.02
2 LANES CONT. LEFT TURN LANE *	50	261.37	0.99	86.09	40.92	57.34	38.94
3 LANES UNDIVIDED *	29	581.09	1.41	163.26	92.71	116.11	53.83
4 OR MORE LANES UNDIVIDED	136	491.10	1.67	144.01	81.14	87.05	37.12
4 OR MORE LANES CONT. LEFT TURN	270	298.66	1.49	92.41	48.28	55.94	21.07
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	371	308.54	0.97	88.53	49.39	67.19	23.81
PARTIAL CONTROL ACCESS	229	201.33	0.80	60.34	36.88	50.06	26.04
FULL CONTROL ACCESS	320	86.34	0.47	21.43	20.17	24.30	26.53
TOTAL	2,023	237.98	0.97	69.86	40.71	51.43	28.39

ALL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	3,026	179.15	1.45	55.79	29.47	51.50	47.38
2 LANES CONT. LEFT TURN LANE *	72	220.48	1.37	71.74	35.50	49.58	38.45
3 LANES UNDIVIDED *	41	539.03	1.39	152.03	86.96	107.62	53.66
4 OR MORE LANES UNDIVIDED	195	428.75	1.60	125.32	71.14	77.38	35.35
4 OR MORE LANES CONT. LEFT TURN	381	258.79	1.34	80.17	42.17	50.96	21.36
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	737	230.86	0.86	66.21	36.80	54.99	24.06
PARTIAL CONTROL ACCESS	478	152.24	0.74	45.13	28.57	41.51	25.38
FULL CONTROL ACCESS	690	80.20	0.48	19.17	20.42	26.05	29.71
TOTAL	5,620	185.26	0.99	54.31	32.41	46.31	32.05

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
* RATES WERE CALCULATED USING LESS THAN 100 SYSTEM MILES - USE WITH CAUTION

**2014-2016 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	6,055	176.69	2.10	54.78	28.47	66.90	66.67
2 LANES CONT. LEFT TURN LANE *	9	240.15	0.00	68.78	28.19	65.39	32.70
3 LANES UNDIVIDED *	13	170.18	0.00	55.41	33.64	44.52	63.32
4 OR MORE LANES UNDIVIDED *	25	169.73	0.89	45.44	28.07	35.64	27.17
4 OR MORE LANES CONT. LEFT TURN	72	99.06	1.30	26.11	14.91	31.85	18.05
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	120	102.92	0.78	30.09	15.43	38.12	24.32
PARTIAL CONTROL ACCESS*	23	52.60	0.76	13.66	7.33	20.99	14.42
FULL CONTROL ACCESS*	21	73.97	0.00	20.17	15.02	15.24	8.29
TOTAL	6,338	166.33	1.92	51.14	26.73	62.12	60.32

URBAN NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1,088	241.85	1.23	75.29	36.29	55.87	40.78
2 LANES CONT. LEFT TURN LANE *	40	233.69	0.49	69.47	36.53	42.24	23.16
3 LANES UNDIVIDED *	17	671.01	1.63	191.76	106.46	140.32	46.88
4 OR MORE LANES UNDIVIDED	132	530.56	1.16	164.32	86.70	107.54	37.83
4 OR MORE LANES CONT. LEFT TURN	158	285.50	1.08	82.70	46.05	53.94	22.79
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	212	304.37	0.79	95.49	50.02	69.44	24.69
PARTIAL CONTROL ACCESS*	58	232.27	0.67	69.74	38.97	57.51	22.84
FULL CONTROL ACCESS*	49	103.48	0.29	24.58	18.70	22.87	20.93
TOTAL	1,754	281.39	1.01	86.01	44.70	61.73	32.27

ALL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	7,143	198.79	1.80	61.74	31.12	63.16	57.89
2 LANES CONT. LEFT TURN LANE *	49	234.51	0.43	69.38	35.48	45.16	24.36
3 LANES UNDIVIDED *	30	547.01	1.22	158.00	88.43	116.60	50.95
4 OR MORE LANES UNDIVIDED	157	500.84	1.14	154.53	81.87	101.61	36.95
4 OR MORE LANES CONT. LEFT TURN	230	242.46	1.13	69.63	38.86	48.84	21.69
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	332	265.08	0.79	82.74	43.28	63.33	24.62
PARTIAL CONTROL ACCESS*	81	199.78	0.69	59.60	33.25	50.91	21.31
FULL CONTROL ACCESS*	70	97.35	0.23	23.66	17.93	21.29	18.30
TOTAL	8,092	225.20	1.45	68.98	35.92	61.92	45.97

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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**2014-2016 Three Year Crash Rates
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RURAL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	8,463	165.67	1.92	51.45	26.94	61.44	61.00
2 LANES CONT. LEFT TURN LANE *	31	139.35	1.79	40.67	22.13	37.38	35.88
3 LANES UNDIVIDED *	25	201.41	0.55	62.91	39.18	45.80	58.49
4 OR MORE LANES UNDIVIDED *	84	167.71	1.21	46.52	28.92	36.51	27.71
4 OR MORE LANES CONT. LEFT TURN	183	108.95	0.99	32.26	18.15	32.54	20.76
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	486	88.84	0.68	25.51	13.67	33.31	24.48
PARTIAL CONTROL ACCESS	272	66.94	0.65	18.64	13.75	26.36	23.36
FULL CONTROL ACCESS	942	64.86	0.50	14.33	15.40	23.54	28.13
TOTAL	10,486	117.84	1.22	34.25	20.89	42.94	42.72

URBAN PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1,706	241.48	1.21	75.15	37.39	54.16	40.87
2 LANES CONT. LEFT TURN LANE *	90	248.51	0.76	78.36	38.88	50.32	31.60
3 LANES UNDIVIDED *	46	612.64	1.48	173.26	97.54	124.61	51.40
4 OR MORE LANES UNDIVIDED	268	509.46	1.43	153.46	83.73	96.58	37.45
4 OR MORE LANES CONT. LEFT TURN	428	293.90	1.35	88.90	47.47	55.22	21.69
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	583	307.08	0.91	90.97	49.61	67.98	24.12
PARTIAL CONTROL ACCESS	287	207.71	0.77	62.28	37.31	51.60	25.38
FULL CONTROL ACCESS	1,087	110.11	0.40	26.10	22.46	27.83	23.97
TOTAL	4,495	194.24	0.72	54.84	33.94	43.81	27.11

ALL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	10,169	191.69	1.68	59.59	30.53	58.94	54.09
2 LANES CONT. LEFT TURN LANE	121	226.44	0.97	70.74	35.49	47.71	32.47
3 LANES UNDIVIDED *	71	542.12	1.32	154.34	87.53	111.09	52.61
4 OR MORE LANES UNDIVIDED	352	460.01	1.40	137.99	75.80	87.89	36.04
4 OR MORE LANES CONT. LEFT TURN	611	252.82	1.27	76.32	40.96	50.18	21.48
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	1,069	241.23	0.84	71.22	38.77	57.52	24.23
PARTIAL CONTROL ACCESS	559	160.16	0.73	47.54	29.35	43.07	24.70
FULL CONTROL ACCESS	2,029	98.30	0.43	23.03	20.62	26.71	25.06
TOTAL	14,981	166.19	0.91	47.28	29.15	43.49	32.84

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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**2014-2016 Three Year Crash Rates
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RURAL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	21,779	233.05	2.52	68.76	39.68	99.43	117.65
2 LANES CONT. LEFT TURN LANE *	5	96.34	0.00	22.08	10.04	44.16	16.06
3 LANES UNDIVIDED *	2	163.08	0.00	65.23	16.31	32.62	65.23
4 OR MORE LANES UNDIVIDED *	4	304.41	0.00	85.06	22.38	62.67	49.24
4 OR MORE LANES CONT. LEFT TURN	4	71.75	13.05	0.00	6.52	19.57	19.57
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS*	8	272.03	0.00	63.15	55.86	68.01	55.86
PARTIAL CONTROL ACCESS*	0	0.00	0.00	0.00	0.00	0.00	0.00
FULL CONTROL ACCESS*	0	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	21,802	232.78	2.51	68.63	39.60	99.16	117.19

URBAN SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	5,974	244.91	1.09	74.65	41.54	64.47	63.67
2 LANES CONT. LEFT TURN LANE *	67	314.70	1.32	96.25	49.62	75.80	35.39
3 LANES UNDIVIDED *	52	767.12	0.96	206.08	114.70	147.36	61.74
4 OR MORE LANES UNDIVIDED	286	498.62	0.80	150.60	80.63	97.05	38.47
4 OR MORE LANES CONT. LEFT TURN	171	444.78	1.13	135.21	75.87	87.20	30.72
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	198	328.88	0.59	99.76	56.98	75.58	28.59
PARTIAL CONTROL ACCESS*	36	222.11	0.79	70.58	38.45	52.20	25.82
FULL CONTROL ACCESS*	25	137.23	0.45	38.86	30.88	37.79	22.89
TOTAL	6,809	301.80	1.00	91.34	50.77	71.39	53.27

ALL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	27,753	239.79	1.71	72.11	40.74	79.56	86.97
2 LANES CONT. LEFT TURN LANE *	72	302.42	1.24	92.08	47.39	74.03	34.30
3 LANES UNDIVIDED *	54	762.08	0.95	204.91	113.88	146.40	61.77
4 OR MORE LANES UNDIVIDED	290	497.81	0.80	150.33	80.39	96.90	38.51
4 OR MORE LANES CONT. LEFT TURN	175	443.24	1.18	134.66	75.59	86.92	30.68
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	206	328.29	0.58	99.38	56.97	75.50	28.87
PARTIAL CONTROL ACCESS*	36	222.11	0.79	70.58	38.45	52.20	25.82
FULL CONTROL ACCESS*	25	137.23	0.45	38.86	30.88	37.79	22.89
TOTAL	28,611	278.79	1.50	83.77	47.05	80.65	74.58

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
* RATES WERE CALCULATED USING LESS THAN 100 SYSTEM MILES - USE WITH CAUTION