

North Carolina Department of Transportation
Transportation Mobility and Safety Division
Traffic Safety Unit
2018 ~ 2022 Five 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	69.58	0.54	14.39	15.81	22.85	25.59	4.41
	URBAN	136.70	0.50	29.33	28.25	34.48	26.81	3.45
	STATE-WIDE	120.06	0.51	25.63	25.17	31.59	26.51	3.59
US ROUTES	RURAL	113.06	1.36	30.25	20.79	39.57	36.73	5.77
	URBAN	262.08	1.13	69.42	43.50	57.59	31.69	3.95
	STATE-WIDE	200.30	1.22	53.18	34.08	50.12	33.78	4.37
NC ROUTES	RURAL	169.16	2.06	47.05	26.00	62.70	59.27	6.02
	URBAN	305.74	1.30	82.86	46.71	69.91	34.73	4.03
	STATE-WIDE	237.07	1.68	64.86	36.30	66.29	47.07	4.74
PRIMARY	RURAL	121.60	1.40	32.11	21.35	43.39	41.72	5.70
	URBAN	214.81	0.88	54.20	37.32	49.75	30.12	3.83
	STATE-WIDE	179.84	1.07	45.91	31.33	47.36	34.47	4.30
SECONDARY ROAD	RURAL	240.25	2.75	62.54	38.10	100.37	117.74	5.90
	URBAN	325.19	1.32	89.04	50.94	79.13	57.49	4.12
	STATE-WIDE	296.71	1.80	80.16	46.63	86.26	77.69	4.60
STATEWIDE ALL SYSTEM ROUTES	RURAL	148.29	1.70	38.95	25.12	56.21	58.82	5.77
	URBAN	243.14	0.99	63.15	40.82	57.29	37.15	3.93
	STATE-WIDE	208.49	1.25	54.31	35.08	56.89	45.07	4.41

(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.

**2018-2022 Five 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 LANE 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS	561	69.58	0.54	14.39	15.81	22.85	25.59
TOTAL	561	69.58	0.54	14.39	15.81	22.85	25.59

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 LANE 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS	796	136.70	0.50	29.33	28.25	34.48	26.81
TOTAL	796	136.70	0.50	29.33	28.25	34.48	26.81

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 LANE 4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS PARTIAL CONTROL ACCESS FULL CONTROL ACCESS	1357	120.06	0.51	25.63	25.17	31.59	26.51
TOTAL	1,357	120.06	0.51	25.63	25.17	31.59	26.51

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

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By Road System, Type and Control
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RURAL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	2,342	152.60	2.05	44.48	24.69	53.44	50.83
2 LANES CONT. LEFT TURN LANE *	25	117.50	1.58	36.60	21.24	30.50	41.80
3 LANES UNDIVIDED *	16	218.16	1.90	57.08	39.95	38.69	50.74
4 OR MORE LANES UNDIVIDED *	51	193.58	0.77	51.61	27.63	39.04	30.79
4 OR MORE LANES CONT. LEFT TURN LANE	112	121.54	1.43	36.31	18.01	34.31	23.33
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	373	96.65	1.09	24.96	15.66	34.75	25.25
PARTIAL CONTROL ACCESS	287	78.87	0.97	19.10	16.64	28.42	25.62
FULL CONTROL ACCESS	362	70.13	0.69	13.36	20.93	28.69	32.88
TOTAL	3,568	113.06	1.36	30.25	20.79	65.95	61.22

URBAN UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	583	272.97	1.45	74.69	45.00	61.41	47.34
2 LANES CONT. LEFT TURN LANE *	46	274.82	1.22	77.19	37.80	66.50	36.95
3 LANES UNDIVIDED *	32	649.78	2.07	171.86	105.53	130.23	52.99
4 OR MORE LANES UNDIVIDED	134	587.31	1.79	153.90	88.65	110.82	46.36
4 OR MORE LANES CONT. LEFT TURN LANE	265	314.52	1.55	86.09	47.72	58.07	24.58
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	371	327.06	1.12	85.16	48.79	71.89	25.25
PARTIAL CONTROL ACCESS	246	205.10	1.09	58.85	35.18	51.55	26.25
FULL CONTROL ACCESS	309	105.82	0.53	23.94	27.05	28.90	31.39
TOTAL	1,986	262.08	1.13	69.42	43.50	57.59	31.69

ALL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	2,925	193.43	1.85	54.73	31.58	56.15	49.65
2 LANES CONT. LEFT TURN LANE *	71	228.67	1.33	65.29	32.94	55.94	38.38
3 LANES UNDIVIDED *	48	596.08	2.05	157.58	97.37	118.84	52.71
4 OR MORE LANES UNDIVIDED	185	514.22	1.60	134.91	77.32	97.50	43.47
4 OR MORE LANES CONT. LEFT TURN LANE	377	271.10	1.52	74.89	41.04	52.72	24.30
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	744	245.09	1.11	63.75	37.00	58.68	25.25
PARTIAL CONTROL ACCESS	533	155.50	1.04	43.23	27.89	42.46	26.00
FULL CONTROL ACCESS	671	92.40	0.59	19.96	24.75	28.82	31.95
TOTAL	5,554	200.30	1.22	53.18	34.08	50.12	33.78

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

**2018-2022 Five 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	6,032	181.74	2.24	50.87	27.96	68.10	66.09
2 LANES CONT. LEFT TURN LANE *	12	190.09	1.99	43.18	22.33	46.16	32.76
3 LANES UNDIVIDED *	13	156.23	2.81	44.96	26.41	38.22	46.08
4 OR MORE LANES UNDIVIDED *	22	192.18	1.84	48.28	25.52	44.59	32.29
4 OR MORE LANES CONT. LEFT TURN LANE *	72	104.09	1.10	27.59	15.07	31.44	17.77
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	149	109.17	0.98	28.89	17.06	42.06	27.42
PARTIAL CONTROL ACCESS*	28	63.92	1.14	16.65	10.55	25.67	17.03
FULL CONTROL ACCESS*	21	28.39	0.13	6.27	6.78	6.78	9.08
TOTAL	6,349	169.16	2.06	47.05	26.00	62.70	59.27

URBAN NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1,060	272.20	1.30	75.41	40.54	64.75	44.47
2 LANES CONT. LEFT TURN LANE *	43	235.91	1.74	63.71	34.53	52.50	36.60
3 LANES UNDIVIDED *	16	799.89	1.96	202.21	120.19	172.54	55.84
4 OR MORE LANES UNDIVIDED	128	592.70	2.08	159.06	89.51	121.29	43.87
4 OR MORE LANES CONT. LEFT TURN LANE	144	311.05	1.55	81.06	44.74	60.77	25.03
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	227	302.77	1.19	84.09	47.93	72.47	23.65
PARTIAL CONTROL ACCESS*	59	275.92	0.76	75.98	44.82	75.61	26.12
FULL CONTROL ACCESS*	47	109.40	0.53	20.79	22.07	23.99	21.72
TOTAL	1,724	305.74	1.30	82.86	46.71	69.91	34.73

ALL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	7,092	211.16	1.94	58.85	32.05	67.01	59.06
2 LANES CONT. LEFT TURN LANE *	55	227.66	1.79	60.02	32.33	51.36	35.90
3 LANES UNDIVIDED *	29	619.92	2.20	158.24	93.97	134.98	53.11
4 OR MORE LANES UNDIVIDED	150	561.53	2.06	150.44	84.53	115.32	42.97
4 OR MORE LANES CONT. LEFT TURN LANE	216	253.85	1.43	66.28	36.54	52.66	23.02
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	376	260.67	1.14	72.08	41.21	65.86	24.47
PARTIAL CONTROL ACCESS*	87	232.28	0.84	63.77	37.77	65.33	24.25
FULL CONTROL ACCESS*	68	91.79	0.45	17.63	18.75	20.25	18.97
TOTAL	8,073	237.07	1.68	64.86	36.30	66.29	47.07

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

**2018-2022 Five 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	8,374	171.61	2.17	48.65	26.83	63.01	60.79
2 LANES CONT. LEFT TURN LANE *	37	140.21	1.71	38.66	21.58	35.40	38.97
3 LANES UNDIVIDED *	29	185.33	2.38	50.65	32.78	38.44	48.27
4 OR MORE LANES UNDIVIDED *	73	193.25	1.02	50.82	27.13	40.36	31.15
4 OR MORE LANES CONT. LEFT TURN LANE	184	114.58	1.30	32.83	16.83	33.17	21.11
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	522	99.46	1.07	25.85	15.98	36.39	25.74
PARTIAL CONTROL ACCESS	315	77.52	0.98	18.88	16.09	28.18	24.85
FULL CONTROL ACCESS	944	69.01	0.57	13.98	16.99	24.09	27.20
TOTAL	10,478	121.60	1.40	32.11	21.35	43.39	41.72

URBAN PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1,643	272.48	1.35	75.15	42.15	63.54	45.51
2 LANES CONT. LEFT TURN LANE *	89	256.81	1.46	70.96	36.28	60.02	36.79
3 LANES UNDIVIDED *	48	693.67	2.04	180.74	109.82	142.60	53.83
4 OR MORE LANES UNDIVIDED	262	589.77	1.92	156.26	89.04	115.61	45.22
4 OR MORE LANES CONT. LEFT TURN LANE	409	313.35	1.55	84.40	46.72	58.98	24.73
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	598	318.20	1.15	84.77	48.47	72.11	24.67
PARTIAL CONTROL ACCESS	305	219.12	1.02	62.24	37.09	56.31	26.22
FULL CONTROL ACCESS	1,152	131.12	0.51	28.27	27.92	33.34	27.43
TOTAL	4,506	214.81	0.88	54.20	37.32	49.75	30.12

ALL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	10,017	204.92	1.90	57.40	31.89	63.18	55.74
2 LANES CONT. LEFT TURN LANE	126	228.24	1.52	63.04	32.68	53.99	37.32
3 LANES UNDIVIDED *	77	604.05	2.10	157.80	96.24	124.23	52.85
4 OR MORE LANES UNDIVIDED	335	534.41	1.80	141.54	80.40	105.10	43.26
4 OR MORE LANES CONT. LEFT TURN LANE	593	265.04	1.49	71.87	39.46	52.70	23.85
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	1,120	250.10	1.12	66.43	38.36	60.99	25.00
PARTIAL CONTROL ACCESS	620	167.69	1.01	46.49	29.46	46.09	25.72
FULL CONTROL ACCESS	2,096	114.27	0.52	24.39	24.95	30.83	27.37
TOTAL	14,984	179.84	1.07	45.91	31.33	47.36	34.47

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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RURAL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	20,987	240.93	2.77	62.77	38.24	100.89	118.56
2 LANES CONT. LEFT TURN LANE *	6	89.65	0.84	25.97	13.41	28.49	15.92
3 LANES UNDIVIDED *	2	115.91	10.54	42.15	21.07	42.15	10.54
4 OR MORE LANES UNDIVIDED *	4	220.25	0.00	42.98	40.29	64.46	40.29
4 OR MORE LANES CONT. LEFT TURN LANE *	4	153.10	0.00	36.26	16.12	60.44	28.20
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS*	16	218.47	0.00	47.24	27.75	49.60	38.97
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	21,019	240.25	2.75	62.54	38.10	100.37	117.74

URBAN SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	5,870	273.72	1.32	74.52	43.81	73.01	68.67
2 LANES CONT. LEFT TURN LANE *	69	306.56	1.26	81.69	47.18	68.72	35.30
3 LANES UNDIVIDED *	58	673.68	1.42	166.00	96.57	128.96	58.41
4 OR MORE LANES UNDIVIDED	267	534.19	1.52	149.17	83.13	111.63	43.23
4 OR MORE LANES CONT. LEFT TURN LANE	164	450.76	1.50	130.83	67.31	90.75	34.08
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	256	364.00	1.23	98.67	54.86	85.21	33.03
PARTIAL CONTROL ACCESS*	37	255.92	0.73	71.42	39.76	58.36	21.38
FULL CONTROL ACCESS*	23	139.37	0.48	33.35	25.07	37.05	18.76
TOTAL	6,744	325.19	1.32	89.04	50.94	79.13	57.49

ALL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	26,857	259.55	1.95	69.44	41.40	85.06	90.23
2 LANES CONT. LEFT TURN LANE *	75	287.95	1.22	76.91	44.28	65.27	33.64
3 LANES UNDIVIDED *	60	669.74	1.49	165.13	96.04	128.35	58.07
4 OR MORE LANES UNDIVIDED	271	532.64	1.51	148.65	82.92	111.40	43.22
4 OR MORE LANES CONT. LEFT TURN LANE	168	449.44	1.49	130.41	67.08	90.62	34.05
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	272	360.82	1.20	97.54	54.26	84.43	33.16
PARTIAL CONTROL ACCESS*	37	255.92	0.73	71.42	39.76	58.36	21.38
FULL CONTROL ACCESS*	23	139.37	0.48	33.35	25.07	37.05	18.76
TOTAL	27,763	296.71	1.80	80.16	46.63	86.26	77.69

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