

North Carolina Department of Transportation
Transportation Mobility and Safety Division
Traffic Safety Unit
2020 ~ 2024 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	78.98	0.57	15.64	16.97	24.21	24.84	4.09
	URBAN	134.51	0.54	27.44	25.40	33.94	24.56	3.42
	STATE-WIDE	113.67	0.55	23.01	22.24	30.29	24.66	3.59
US ROUTES	RURAL	112.24	1.23	28.79	19.40	37.59	32.99	5.47
	URBAN	292.08	1.27	75.43	43.58	63.06	30.94	3.89
	STATE-WIDE	197.57	1.25	50.92	30.87	49.68	32.02	4.36
NC ROUTES	RURAL	169.93	1.94	45.13	23.96	59.91	53.30	5.77
	URBAN	315.93	1.34	83.90	43.82	70.74	32.44	3.97
	STATE-WIDE	229.80	1.69	61.03	32.10	64.35	44.74	4.75
PRIMARY	RURAL	120.15	1.26	29.94	20.08	40.50	36.82	5.33
	URBAN	224.35	0.95	55.04	35.26	51.20	28.30	3.78
	STATE-WIDE	173.85	1.10	42.88	27.90	46.01	32.43	4.30
SECONDARY ROAD	RURAL	230.94	2.50	59.10	34.07	91.88	105.73	5.76
	URBAN	327.02	1.33	87.97	46.42	78.54	52.49	4.08
	STATE-WIDE	286.79	1.82	75.88	41.25	84.12	74.78	4.64
STATEWIDE ALL SYSTEM ROUTES	RURAL	144.34	1.53	36.31	23.14	51.72	51.87	5.48
	URBAN	251.79	1.05	63.84	38.24	58.51	34.77	3.89
	STATE-WIDE	201.44	1.27	50.94	31.16	55.33	42.78	4.42

(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.

2020-2024 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	800	78.98	0.57	15.64	16.97	24.21	24.84
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							
TOTAL	800	78.98	0.57	15.64	16.97	24.21	24.84

URBAN INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	605	134.51	0.54	27.44	25.40	33.94	24.56
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							
TOTAL	605	134.51	0.54	27.44	25.40	33.94	24.56

ALL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1405	113.67	0.55	23.01	22.24	30.29	24.66
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							
TOTAL	1,405	113.67	0.55	23.01	22.24	30.29	24.66

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

**2020-2024 Five 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	2,467	153.26	1.93	42.83	23.09	52.22	47.31
2 LANES CONT. LEFT TURN LANE *	30	102.80	1.22	28.70	17.05	29.40	31.14
3 LANES UNDIVIDED *	17	179.96	1.07	48.89	28.47	33.31	35.46
4 OR MORE LANES UNDIVIDED *	59	174.23	1.61	44.52	25.18	39.76	29.17
4 OR MORE LANES CONT. LEFT TURN LANE	133	135.21	1.37	37.92	17.75	35.34	21.27
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	476	103.42	1.01	26.51	15.22	35.01	23.49
PARTIAL CONTROL ACCESS	357	85.75	0.90	20.58	16.08	28.99	23.84
FULL CONTROL ACCESS	457	71.45	0.64	13.81	19.68	26.37	30.00
TOTAL	3,996	112.24	1.23	28.79	19.40	62.66	54.98

URBAN UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	423	322.59	1.55	84.15	46.01	69.18	49.73
2 LANES CONT. LEFT TURN LANE *	40	301.16	1.58	83.98	39.30	73.87	40.15
3 LANES UNDIVIDED *	38	587.53	1.44	149.37	84.62	116.01	43.32
4 OR MORE LANES UNDIVIDED	133	589.29	1.97	154.07	81.81	113.31	45.67
4 OR MORE LANES CONT. LEFT TURN LANE	250	323.23	1.68	86.88	45.35	60.91	24.18
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	307	351.72	1.28	88.11	47.95	77.22	25.49
PARTIAL CONTROL ACCESS	189	213.67	1.30	59.53	34.08	53.22	25.19
FULL CONTROL ACCESS	186	111.82	0.53	24.89	26.03	29.22	28.44
TOTAL	1,566	292.08	1.27	75.43	43.58	63.06	30.94

ALL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	2,890	195.87	1.83	53.23	28.86	56.49	47.92
2 LANES CONT. LEFT TURN LANE *	70	226.33	1.44	63.13	30.91	57.09	36.75
3 LANES UNDIVIDED *	55	543.21	1.40	138.45	78.51	107.02	42.47
4 OR MORE LANES UNDIVIDED	192	500.41	1.89	130.61	69.68	97.56	42.14
4 OR MORE LANES CONT. LEFT TURN LANE	383	268.49	1.59	72.62	37.32	53.47	23.33
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	783	236.32	1.15	59.48	32.74	57.60	24.56
PARTIAL CONTROL ACCESS	546	148.09	1.10	39.56	24.85	40.80	24.50
FULL CONTROL ACCESS	643	89.16	0.59	18.67	22.46	27.62	29.32
TOTAL	5,562	197.57	1.25	50.92	30.87	49.68	32.02

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

2020-2024 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	6,280	184.40	2.16	49.41	25.94	66.36	61.62
2 LANES CONT. LEFT TURN LANE *	26	173.45	1.68	45.32	23.31	44.39	29.09
3 LANES UNDIVIDED *	20	130.45	1.26	30.92	19.61	34.69	32.93
4 OR MORE LANES UNDIVIDED *	29	246.35	1.62	59.02	33.11	56.86	27.35
4 OR MORE LANES CONT. LEFT TURN LANE *	96	114.76	1.45	31.07	14.79	34.62	18.68
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	215	119.78	1.06	30.14	16.93	40.65	24.53
PARTIAL CONTROL ACCESS*	38	84.32	1.14	20.04	12.38	29.00	18.33
FULL CONTROL ACCESS*	30	42.48	0.17	7.85	11.49	12.15	15.04
TOTAL	6,734	169.93	1.94	45.13	23.96	59.91	53.30

URBAN NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	766	276.62	1.30	74.05	37.48	64.53	41.69
2 LANES CONT. LEFT TURN LANE *	34	247.82	1.06	61.82	31.84	51.52	40.16
3 LANES UNDIVIDED *	30	330.44	0.80	85.50	48.33	74.42	25.36
4 OR MORE LANES UNDIVIDED	121	569.75	2.03	152.33	76.75	116.78	43.23
4 OR MORE LANES CONT. LEFT TURN LANE	118	341.42	1.79	87.65	44.61	62.35	25.45
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	193	304.53	1.23	81.55	44.05	71.75	21.33
PARTIAL CONTROL ACCESS*	49	292.70	1.07	80.09	43.29	79.75	28.38
FULL CONTROL ACCESS*	23	107.56	0.26	24.85	19.97	22.67	17.85
TOTAL	1,334	315.93	1.34	83.90	43.82	70.74	32.44

ALL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	7,046	207.15	1.95	55.48	28.79	65.91	56.71
2 LANES CONT. LEFT TURN LANE *	60	216.98	1.31	54.98	28.30	48.56	35.57
3 LANES UNDIVIDED *	50	282.27	0.91	72.35	41.41	64.85	27.19
4 OR MORE LANES UNDIVIDED	150	528.89	1.98	140.54	71.24	109.21	41.22
4 OR MORE LANES CONT. LEFT TURN LANE	214	251.22	1.65	65.13	32.74	51.32	22.75
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	408	243.20	1.18	64.48	35.05	61.42	22.39
PARTIAL CONTROL ACCESS*	87	227.73	1.09	61.37	33.65	63.93	25.25
FULL CONTROL ACCESS*	53	79.10	0.22	17.42	16.26	18.07	16.62
TOTAL	8,068	229.80	1.69	61.03	32.10	64.35	44.74

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

**2020-2024 Five Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	8,747	173.51	2.08	47.11	24.94	61.42	56.62
2 LANES CONT. LEFT TURN LANE *	56	136.90	1.44	36.72	20.07	36.63	30.15
3 LANES UNDIVIDED *	37	146.23	1.20	36.64	22.43	34.25	33.73
4 OR MORE LANES UNDIVIDED *	88	195.79	1.61	48.85	27.55	44.87	28.62
4 OR MORE LANES CONT. LEFT TURN LANE	229	126.55	1.40	35.02	16.49	35.04	20.17
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	691	107.68	1.02	27.46	15.66	36.47	23.76
PARTIAL CONTROL ACCESS	395	85.61	0.92	20.53	15.72	28.99	23.29
FULL CONTROL ACCESS	1,287	76.49	0.58	15.05	17.55	24.54	25.95
TOTAL	11,530	120.15	1.26	29.94	20.08	40.50	36.82

URBAN PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	1,189	292.98	1.39	77.64	40.52	66.19	44.55
2 LANES CONT. LEFT TURN LANE *	74	277.49	1.35	74.15	35.99	63.95	40.15
3 LANES UNDIVIDED *	68	471.56	1.15	120.56	68.25	97.25	35.22
4 OR MORE LANES UNDIVIDED	254	580.59	1.99	153.29	79.56	114.85	44.58
4 OR MORE LANES CONT. LEFT TURN LANE	368	328.93	1.71	87.12	45.12	61.36	24.58
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	500	333.75	1.26	85.61	46.47	75.13	23.91
PARTIAL CONTROL ACCESS	238	229.77	1.26	63.72	35.96	58.63	25.84
FULL CONTROL ACCESS	814	131.05	0.53	27.06	25.40	33.14	24.98
TOTAL	3,505	224.35	0.95	55.04	35.26	51.20	28.30

ALL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	9,936	203.19	1.91	54.69	28.81	62.60	53.62
2 LANES CONT. LEFT TURN LANE	130	222.04	1.38	59.39	29.71	53.18	36.21
3 LANES UNDIVIDED	105	415.08	1.16	105.99	60.29	86.31	34.96
4 OR MORE LANES UNDIVIDED	342	512.36	1.93	134.78	70.34	102.45	41.75
4 OR MORE LANES CONT. LEFT TURN LANE	597	262.45	1.61	70.00	35.72	52.71	23.13
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	1,191	238.59	1.16	61.13	33.50	58.86	23.85
PARTIAL CONTROL ACCESS	633	160.30	1.09	42.91	26.20	44.35	24.61
FULL CONTROL ACCESS	2,101	108.69	0.55	22.14	22.18	29.61	25.38
TOTAL	15,035	173.85	1.10	42.88	27.90	46.01	32.43

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

**2020-2024 Five Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	22,539	230.55	2.53	59.02	34.08	92.45	107.01
2 LANES CONT. LEFT TURN LANE *	8	126.28	1.07	37.46	14.98	37.46	21.40
3 LANES UNDIVIDED *	5	407.74	0.00	124.09	45.12	77.36	32.23
4 OR MORE LANES UNDIVIDED *	10	353.18	1.09	77.04	43.40	72.16	32.01
4 OR MORE LANES CONT. LEFT TURN LANE *	9	121.00	0.76	31.96	13.70	36.53	15.98
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS*	29	276.03	1.64	69.28	39.16	70.38	47.37
PARTIAL CONTROL ACCESS*	0	0.00	0.00	0.00	0.00	0.00	0.00
FULL CONTROL ACCESS*	1	102.98	0.00	33.03	31.09	21.37	25.26
TOTAL	22,601	230.94	2.50	59.10	34.07	91.88	105.73

URBAN SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	4,499	272.79	1.29	71.90	39.94	71.42	62.72
2 LANES CONT. LEFT TURN LANE *	70	321.64	1.47	84.79	40.38	70.06	36.27
3 LANES UNDIVIDED *	62	644.67	1.25	161.45	82.32	126.30	52.54
4 OR MORE LANES UNDIVIDED	265	511.69	1.43	140.64	71.91	107.34	43.01
4 OR MORE LANES CONT. LEFT TURN LANE	162	456.80	1.79	133.20	61.77	94.76	37.41
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	258	349.51	1.40	94.85	47.61	82.83	32.89
PARTIAL CONTROL ACCESS*	36	238.83	0.74	67.21	34.78	57.94	20.96
FULL CONTROL ACCESS*	22	130.55	0.47	30.51	21.90	36.18	17.88
TOTAL	5,374	327.02	1.33	87.97	46.42	78.54	52.49

ALL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	WET	NIGHT	RUN OFF ROAD
2 LANES UNDIVIDED	27,038	250.14	1.95	64.99	36.80	82.70	86.46
2 LANES CONT. LEFT TURN LANE *	78	308.45	1.45	81.59	38.66	67.86	35.27
3 LANES UNDIVIDED *	67	634.87	1.20	159.90	80.78	124.28	51.70
4 OR MORE LANES UNDIVIDED	275	507.98	1.42	139.15	71.25	106.52	42.75
4 OR MORE LANES CONT. LEFT TURN LANE	171	449.01	1.77	130.85	60.65	93.41	36.91
4 OR MORE LANES DIVIDED WITH							
NO CONTROL ACCESS	287	346.32	1.41	93.74	47.24	82.29	33.52
PARTIAL CONTROL ACCESS*	36	239.05	0.74	67.28	34.78	58.02	20.96
FULL CONTROL ACCESS*	23	129.74	0.46	30.59	22.17	35.74	18.10
TOTAL	27,975	286.79	1.82	75.88	41.25	84.12	74.78

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