

Appendix C: Bicycle Crash Data 2000 through 2004

Bicycle crashes in Columbus, Ohio were reviewed using data provided by the Ohio Department of Public Safety. The data consisted of 1,053 bicycle reports in Columbus from 2000 through 2004. Every crash analyzed involved an instance where a bicyclist interacted with some type of motor vehicle. It is important to note that crash data are usually based on crash reports from a reporting municipality police agency and all important data is not always recorded in every crash report.

Bicyclist location when struck	Number	Percent
Marked crosswalk at intersection	72	6.84%
At intersection, but no crosswalk	69	6.55%
Non-intersection crosswalk	7	0.66%
Driveway access crosswalk	2	0.19%
In Roadway	249	23.65%
Not in roadway	2	0.19%
Median (but not on shoulder)	1	0.09%
Shoulder	8	0.76%
Sidewalk	16	1.52%
Within 10 ft. of roadway (but not shoulder, median, sidewalk, or island)	2	0.19%
Beyond 10 ft. of roadway (within traffic way)	2	0.19%
Outside traffic way	1	0.09%
Shared use paths or trails	3	0.28%
Unknown	553	52.52%
Not indicated on report	66	6.27%
Total crashes	1053	100.00%

Streets with greatest number of cyclist crashes	Number
High Street	94
Broad Street	34
Parsons Avenue	25
Sullivant Avenue	19
Cleveland Avenue	18
Livingston Avenue	16
5th Avenue	15
Main Street	14
Mound Street	14
Champion Avenue	12

Bicyclist injury	Number	Percent
Fatal	5	0.47%
Incapacitating injury	86	8.17%
Non-incapacitating injury	485	46.06%
Non stated	28	2.66%
Possible injury	215	20.42%
Unknown	82	7.79%
No injury	152	14.43%
Total	1053	100.00%

Motorist contributing circumstances	Number	Percent
None-motorist	683	64.86%
Failure to yield	125	11.87%
Ran red light/ signal	23	2.18%
Unsafe speed	1	0.09%
Improper Turn	5	0.47%
Left of center	2	0.19%
Followed too closely	11	1.04%
Improper lane change	10	0.95%
Improper start from parked position	1	0.09%
Operating vehicle in erratic, reckless, negligent, or aggressive manner	10	0.95%
Swerving to avoid	3	0.28%
Failure to control	14	1.33%
Vision obstruction	2	0.19%
Driver inattention	14	1.33%
Other improper action	20	1.90%
Unknown	129	12.25%
Total	1053	100.00%

Bicycle contributing circumstances	Number	Percent
Unknown- non-motorist	344	32.67%
None- non-motorist	138	13.11%
Improper crossing- non-motorist	111	10.54%
Failure to yield right of way non-motorist	99	9.40%
Other- non-motorist	75	7.12%
Darting- non-motorist	59	5.60%
Failure to obey traffic signals, signs or officer	52	4.94%
Wrong side of road- non-motorist	47	4.46%
Inattentive- non-motorist	41	3.89%
Other improper action- motorist	24	2.28%
Not visible (dark clothing) non-motorist	15	1.42%
None- motorist	14	1.33%
Lying and/or illegally in roadway- non-motorist	12	1.14%
Driver inattention-motorist	6	0.57%
Ran red light, or stop sign- motorist	6	0.57%
Failure to yield- motorist	5	0.47%

Operating defective equipment- motorist	2	0.19%
Followed too closely/acda- motorist	1	0.09%
Improper lane change/drove off road/improper passing	1	0.09%
Unknown- motorist	1	0.09%
Total	1053	100.00%

Driver drug/alcohol use	Number	Percent
None	844	80.15%
Yes-alcohol suspected	2	0.19%
Yes-HBD not impaired	1	0.09%
Yes-alcohol and drugs suspected	2	0.19%
Unknown	119	11.30%
Not indicated on report	85	8.07%
Total crashes	1053	100.00%

Bicyclist drug/alcohol use	Number	Percent
None	917	87.08%
Yes-alcohol suspected	15	1.42%
Yes-HBD not impaired	3	0.28%
Yes-drugs suspected	2	0.19%
Yes-alcohol and drugs suspected	1	0.09%
Unknown	82	7.79%
Not indicated on report	33	3.13%
Total crashes	1053	100.00%

Weather Conditions	Number	Percent
Clear	758	71.98%
Cloudy	214	20.32%
Rain	66	6.27%
Snow	2	0.19%
Severe crosswinds	2	0.19%
Other	1	0.09%
Unknown	10	0.95%
Total crashes	1053	100.00%

Road Conditions	Number	Percent
Dry	944	89.65%
Wet	100	9.50%
Snow	1	0.09%
Ice	2	0.19%
Sand, mud, dirt, oil, gravel	1	0.09%
Other	1	0.09%
Unknown	4	0.38%
Total crashes	1053	100.00%

Light Conditions	Number	Percent
Daylight	804	76.35%
Dawn	7	0.66%

Dusk	49	4.65%
Dark-lighted	137	13.01%
Dark-unlighted	30	2.85%
Dark-unknown lighting	3	0.28%
Other	1	0.09%
Unknown	22	2.09%
Total crashes	1053	100.00%

Road contour	Number	Percent
Straight level	972	92.31%
Straight grade	57	5.41%
Curve level	6	0.57%
Curve grade	8	0.76%
Unknown	10	0.95%
Total crashes	1053	100.00%

Crash location	Number	Percent
On roadway	1007	95.63%
On shoulder	10	0.95%
In median	1	0.09%
On Roadside	12	1.14%
Outside traffic way	17	1.61%
Unknown	6	0.57%
Total crashes	1053	100.00%
Collision type	Number	Percent
Not collision between two vehicles in motion	515	48.91%
Rear-end	20	1.90%
Head-on	30	2.85%
Rear-to-rear	1	0.09%
Backing	6	0.57%
Angle	400	37.99%
Sideswipe in same direction	40	3.80%
Sideswipe in opposite direction	14	1.33%
Unknown	27	2.56%
Not indicated on report	1053	100.00%

Intersection type	Number	Percent
Not at intersection	295	28.02%
Four-way	446	42.36%
T-intersection	228	21.65%
Y-intersection	6	0.57%
Traffic circle/roundabout	1	0.09%
On ramp	2	0.19%
Off ramp	5	0.47%
Driveway	55	5.22%
Unknown	15	1.42%
Not indicated on report	1053	100.00%

Month	Number	Percent
January	22	2.09%
February	23	2.18%
March	36	3.42%
April	82	7.79%
May	126	11.97%
June	152	14.43%
July	160	15.19%
August	150	14.25%
September	116	11.02%
October	111	10.54%
November	55	5.22%
December	20	1.90%
	1053	100.00%

Year	Number	Percent
2000	216	20.51%
2001	223	21.18%
2002	222	21.08%
2003	207	19.66%
2004	185	17.57%
	1053	100.00%

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