

STATION 3 When, Where, and Why do Pedestrian Collisions Occur?



Citywide Pedestrian Collisions (2008 - 2012)





Pedestrian Collision Analysis: Age



Number of Pedestrian Collisions and Rate per 100K Population by Age

(2008 - 2012)								
Age Group	Number of Collisions	Percent of Total	Population	Collisions per 100,000 per Year				
Under 5	95	4.2%	82,523	23.0				
5 to 9	96	4.3%	87,347	22.0				
10 to 14	153	6.8%	79,520	38.5				
15 to 19	222	9.9%	85,664	51.8				
20 to 24	284	12.6%	110,614	51.4				
25 to 34	344	15.3%	217,032	31.7				
35 to 44	223	9.9%	198,474	22.5				
45 to 54	324	14.4%	148,127	43.8				
55 to 59	133	5.9%	48,016	55.4				
60 to 64	100	4.5%	38,075	52.5				
65 to 74	141	6.3%	65,922	42.8				
75 to 84	93	4.1%	47,639	39.0				
85 and over	39	1.7%	14,447	54.0				
Total	2,247	100%	1,223,400	36.7				
Source: City of San Diego (2013): Chen Byan Associates, January 2014								

The age groups with the lowest collision rates were 5 to 9 and 35 to 44.

The age groups with the highest collision rates were 55 to 59 and 85 and over.

Source: City of San Diego (2013); Chen Ryan Associates, January 2014



Age Range

Source: City of San Diego (2013); Chen Ryan Associates, January 2014



Citywide Pedestrian Collisions (2008 - 2012) Involving Youth (Age 16 and Used







Citywide Pedestrian Collisions (2008 - 2012) Involving Seniors (Age 65 and 0





Pedestrian Collision Analysis: Hour and Day of Week

Pedestrian Collisions by Hour and Day of Week (2008 - 2012)

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Hour	By hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun
By Day	2,296	348	354	350	351	366	284	243
12:00-12:59am	45	4	6	2	4	4	14	11
1:00-1:59am	46	5	3	1	2	8	13	14
2:00-2:59am	33	2	4	2	2	4	10	9
3:00-3:59am	8	0	0	1	1	1	1	4
4:00-4:59am	13	2	0	3	3	2	0	3
5:00-5:59am	28	6	8	2	5	4	2	1
6:00-6:59am	60	7	11	14	17	9	2	0
7:00-7:59am	143	22	34	29	28	23	7	0
8:00-8:59am	113	15	21	27	19	21	7	3
9:00-9:59am	85	15	14	18	9	9	12	8
10:00-10:59am	66	8	14	17	8	4	9	6
11:00-11:59am	94	11	17	12	15	12	17	10
12:00-12:59pm	91	14	10	13	16	18	9	11
1:00-1:59pm	92	10	11	6	16	18	14	17
2:00-2:59pm	130	16	22	24	18	25	11	14
3:00-3:59pm	151	25	28	14	33	22	13	16
4:00-4:59pm	147	32	20	23	25	17	15	15
5:00-5:59pm	215	45	30	40	29	36	18	17
6:00-6:59pm	204	33	35	30	29	35	22	20
7:00-7:59pm	156	21	23	24	23	26	20	19
8:00-8:59pm	138	19	20	14	23	21	21	20
9:00-9:59pm	113	22	13	16	15	15	21	11
10:00-10:59pm	74	7	4	15	9	17	13	9
11:00-11:59pm	48	6	5	3	2	15	12	5
Unknown	3	1	1	0	0	0	1	0



The greatest number of pedestrian collisions (2008 -2012) occured during the evening peak period from 5:00pm to 7:00pm on weekdays.





Image: Citywide Pedestrian Collisions (2008 - 2012)Image: Citywide Pedestrian Co







Citywide Pedestrian Collisions (2008 - 2012)Per Capita by Community Planning Area

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Citywide Pedestrian Collisions (2008 - 2012) and 2010 Median Household Income

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Citywide Pedestrian Collisions (2008 - 2012) and 2009 Employment Density

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Employment Density by Census Block

- > 37.7 Persons Per Acre
- 11.9 37.7 Persons Per Acre
 - < 11.9 Persons Per Acre
- Collision Location





Citywide Pedestrian Collisions (2008 - 2012) and 2010 Population Density

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Pedestrian Collision Analysis: Party-At-Fault and Location

Pedestrian Collision Frequency by Party at Fault and Location in Roadway (2008 - 2012)

	Total Pedestrian Collisions ¹		Driver-At-Fault		Pedestrian-At-Fault	
Location in the Roadway	Number of Collisions	Percent	Number of Collisions	Percent	Number of Collisions	Percent
At Signalized Intersection	906	39.7%	643	58.8%	197	26.5%
At Mid-Block Location	836	36.6%	118	10.8%	447	60.2%
At Unsignalized Intersection	470	20.6%	312	28.5%	92	12.4%
At Driveway/Alley/Private Property	71	3.1%	20	1.9%	7	0.9%
	2,283	100%	1,093	100%	743	100%

Source: City of San Diego (2013); SANDAG (2013); Chen Ryan Associates, January 2014

Notes:

1. Driver-at-fault collisions and pedestrian-at-fault collisions do not sum up to the number reported in the first column (total number of pedestrian collisions) because 447 collisions were not assigned a "fault".

58.8% of pedestrian collisions where the <u>driver was at fault</u> occured at <u>signalized intersections</u> (2008 - 2012).

60.2% of pedestrian collisions where the pedestrian was at fault occured at mid-block locations (2008 - 2012).



Citywide Pedestrian Collisions (2008 - 2012) Where Driver is at Fault

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Citywide Pedestrian Collisions (2008 - 2012) Where Pedestrian is at Fault

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