# Collisions—All Years

# Data Set Summary

Data Set Basics				
Title	Collisions—All Years			
Abstract	All collisions provided by SPD and recorded by Traffic Records.			
Description	This includes all types of collisions. Collisions will display at the intersection or mid-block of a segment. Timeframe: 2004 to Present.			
Supplemental				
Information				
Update				
Frequency	Weekly			
Keyword(s)	SDOT, Seattle, Transportation, Accidents, Bicycle, Car, Collisions, Pedestrian, Traffic, Vehicle			
Contact Information	on			
Contact Organization	SDOT Traffic Management Division, Traffic Records Group			
Contact Person	SDOT GIS Analyst			
Contact Email	DOT_IT_GIS@seattle.gov			

### **Attribute Information**

Attribute	Data type,	Description			
	length				
OBJECTID	ObjectID	ESRI unique identifier			
SHAPE	Geometry	ESRI geometry field			
INCKEY	Long	A unique key for the incident			
COLDETKEY	Long	Secondary key for the incident			
ADDRTYPE	Text, 12	Collision address type:			
		• Alley			
		Block			
		• Intersection			
INTKEY	Double	Key that corresponds to the intersection associated with a collision			



Attribute	Data type, length	Description			
LOCATION	Text, 255	Description of the general location of the collision			
EXCEPTRSNCODE	Text, 10				
EXCEPTRSNDESC	Text, 300				
SEVERITYCODE	Text, 100	A code that corresponds to the severity of the collision:  • 3—fatality  • 2b—serious injury  • 2—injury  • 1—prop damage  • 0—unknown			
SEVERITYDESC	Text	A detailed description of the severity of the collision			
COLLISIONTYPE	Text, 300	Collision type			
PERSONCOUNT	Double	The total number of people involved in the collision			
PEDCOUNT	Double	The number of pedestrians involved in the collision. This is entered by the state.			
PEDCYLCOUNT	Double	The number of bicycles involved in the collision. This is entered by the state.			
VEHCOUNT	Double	The number of vehicles involved in the collision. This is entered by the state.			
INJURIES	Double	The number of total injuries in the collision. This is entered by the state.			
SERIOUSINJURIES	Double	The number of serious injuries in the collision. This is entered by the state.			
FATALITIES	Double	The number of fatalities in the collision. This is entered by the state.			
INCDATE	Date	The date of the incident.			
INCDTTM	Text, 30	The date and time of the incident.			
JUNCTIONTYPE	Text, 300	Category of junction at which collision took place			
SDOT_COLCODE	Text, 10	A code given to the collision by SDOT.			
SDOT_COLDESC	Text, 300	A description of the collision corresponding to the collision code.			
		Whether or not collision was due to inattention.			
INATTENTIONIND	Text, 1	(Y/N)			
UNDERINFL	Text, 10	Whether or not a driver involved was under the influence of drugs or alcohol.			



Attribute	Data type,	Description			
	length				
WEATHER	Text, 300	A description of the weather conditions during the time of the collision.			
ROADCOND	Text, 300	The condition of the road during the collision.			
LIGHTCOND	Text, 300	The light conditions during the collision.			
PEDROWNOTGRNT	Text, 1	Whether or not the pedestrian right of way was not granted. (Y/N)			
SDOTCOLNUM	Text, 10	A number given to the collision by SDOT.			
SPEEDING	Text, 1	Whether or not speeding was a factor in the collision. (Y/N)			
ST_COLCODE	Text, 10	A code provided by the state that describes the collision. For more information about these codes, please see the State Collision Code Dictionary.			
ST_COLDESC	Text, 300	A description that corresponds to the state's coding designation.			
SEGLANEKEY	Long	A key for the lane segment in which the collision occurred.			
CROSSWALKKEY	Long	A key for the crosswalk at which the collision occurred.			
HITPARKEDCAR	Text, 1	Whether or not the collision involved hitting a parked car. (Y/N)			

## State Collision Code Dictionary

Code	Description			
0	Vehicle Going Straight Hits Pedestrian			
1	Vehicle Turning Right Hits Pedestrian			
2	Vehicle Turning Left Hits Pedestrian			
3	Vehicle Backing Hits Pedestrian			
4	Vehicle Hits Pedestrian - All Other Actions			
5	Vehicle Hits Pedestrian - Actions Not Stated			
10	Entering At Angle			
11	From Same Direction -Both Going Straight-Both Moving- Sideswipe			
12	From Same Direction -Both Going Straight-One Stopped- Sideswipe			
13	From Same Direction - Both Going Straight - Both Moving - Rear End			



14	From Same Direction - Both Going Straight - One Stopped - Rear End				
15	From Same Direction - One Left Turn - One Straight				
16	From Same Direction - One Right Turn - One Straight				
19	One Car Entering Parked Position				
20	One Car Leaving Parked Position				
21	One Car Entering Driveway Access				
22	One Car Leaving Driveway Access				
23	From Same Direction - All Others				
24	From Opposite Direction - Both Moving - Head On				
25	From Opposite Direction - One Stopped - Head On				
26	From Opposite Direction - Both Going Straight -				
	sideswipe				
27	From Opposite Direction - Both Going Straight - One				
	Stopped - sideswipe				
28	From Opposite Direction - One Left Turn - One				
29	Straight From Opposite Direction - One Left Turn - One Right				
29	Turn				
30	From Opposite Direction - All Others				
31	Not Stated				
32	One Parked - One Moving				
40	Train Struck Moving Vehicle				
41	Train Struck Stopped or Stalled Vehicle				
42	Vehicle Struck Moving Train				
43	Vehicle Struck Stopped Train				
44	Unicycle				
45	Bicycle				
46	Tricycle				
47	Domestic Animal (horse, cow, sheep, etc)				
48	Domestic Animal Other (Cat, Dog etc)				
49	Non Domestic Animal (deer, bear, elk, etc)				
50	Struck Fixed Object				
51	Struck Other Object				
52	Vehicle Overturned				
53	Person Fell, Jumped, or was Pushed From Vehicle				
54	Fire Started In Vehicle				
55	Accidently Overcame By Carbon Monoxide Poison				
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56	Breakage Of Any Part Of the Vehicle Resulting In			
	Injury or in Further Property Damage			
57	All Other Non-Collisions			
60	Vehicle Hits State Road or Construction Machinery			
61	Vehicle Struck By State Road or Construction			
	Machinery			
62	Vehicle Hits County Road or Construction			
	Machinery			
63	Vehicle Struck By County Road or Construction			
	Machinery			
64	Vehicle Hits City Road or Construction Machinery			
65	Vehicle Struck By City Road or Construction			
	Machinery			
66	Vehicle Hits Other Road or Construction Machinery			
67	Vehicle Struck by Other Road or Construction			
	Machinery			
71	Same Direction - Both Turning Right - Both Moving			
	Sideswipe			
72	Same Direction - Both Turning Right - One Stopped -			
	Sideswipe			
73	Same Direction - Both Turning Right - Both Moving			
	Rear End			
74	Same Direction - Both Turning Right - One Stopped			
	Rear End			
81	Same Direction - Both Turning Left - Both Moving -			
	Sideswipe			
82	Same Direction - Both Turning Left - One Stopped -			
00	Sideswipe  Some Direction Both Transit of Left Both Marriag			
83	Same Direction - Both Turning Left - Both Moving -			
0.4	Rear End			
84	Same Direction - Both Turning Left - One Stopped -			
	Rear End			



### SDOT Collision Code Matrix

	DIR. DIR.			COLLISION			
MOTOR VEHICLE	Direction of travel prior to collision	Direction of travel at impact	ST Motor Vehicle In Operation	Driverless Motor Vehicle	Pedalcyclist		
and PEDALCYCLIST IN TRAFFIC	Directional codes —	Directional codes —	10 11 12 13 14 15	30 31 32 33 34 35 36	50 51 52 53 54 55 56	STRUCK MOTOR VEHICLE	E HEAD-ON in FRONT END (not head-on) in RIGHT SIDE AT ANGLE in LEFT SIDE AT ANGLE in REAR END in RIGHT SIDE SIDESWIPE in LEFT SIDE - SIDESWIPE
	$ \begin{vmatrix} 8 & \uparrow & \uparrow^2 \\ 7 \leftarrow W & E \rightarrow 3 \end{vmatrix} $	$ \begin{array}{c c} 1 & & \\ 8 & & & \\ 7 & & & E \rightarrow 3 \end{array} $	17 18 19 20 21 22 23	37 38 39 40 41 42 43	57 58 59 60 61 62 63	STRUCK PEDALCYCLIST (in or not in troffic )	IN HEAD-ON IN REGNT END IN RIGHT SIDE AT ANGLE IN LEFT SIDE AT ANGLE IN REAR END IN REAR END IN REGHT SIDE SIDESWIPE IN LEFT SIDE - SIDESWIPE IN LEFT SIDE - SIDESWIPE
¥	6 S 34	8 × 3	24 25 26 27	44 45 46	64 65 63	RAN OFF ROADWAY - N	DWAY (includes curbs, jersey barriers & tunnel walls)
	9 = Parked	9 = Stopped	28	48	68	OYERTURNED IN ROADW	HIT FIXED OBJECT - (includes guardrails & crash
	, unit	0 = Backing	STRUCK				
			Motor Vehicle In Operation	Driverless Motor Vehicle	Pedalcyclist In Traffic	Note: 2n	d Coll. Code Only
			blank 01 03 04,	02 na na 05	blank na na 06	STRUCK BY OTHER MOTOR VEHICLE  " PEDESTRIAN  " PEDALCYCLIST NOT IN TRAFFIC  " TRAIN	
PEDESTRIAN and PEDALCYCLIST	Direction of travel use directional codes 1 thru 8 or 0 = direction unk.	Leg of intersection use only 9= non intersection	STRUCI	FF ROADWAY	ON SIDEWALK CON PRIVATE PRO	DR PARKING STRIP DPERTY OWN	Note: Code podcyclist as first veh. and use 50-56 for Coll Code 1.
NOT IN TRAFFIC	use directional codes 1 thru 8 only	use directional codes  1 thru 8  or  9 = non intersection  0 = middle of int.	STRUCK OF STRIKING  70 CROSSING - AT INTERSECTION NO X-WALK 71 " " IN X-WALK 72 " " DIAGONALLY 73 CROSSING - NON INTERSECTION IN X-WALK 74 " " NO X-WALK NO APPARENT SIGHT OBSTRUCTION 75 " " FROM BETWEEN TWO PARKED VEHICLES 76 " " " FROM BETWEEN TWO PARKED VEHICLES				ARKED VEHICLES
PEDESTRIAN only	applicable directional codes     1 - 8   1 - 8   0   0   0   0   0   0   0   0   0	applicable   9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	80 IN 81 82 83 84 85 86	ROADWAY WA	ANDING OR LA	T TRAFFIC YING VEHICLE ON LEFT SIDE (d * RIGHT SIDE	iriver's side)