Data element	Columns	Column size	Definition
Collision level data elements			
C_YEAR	1 – 4	4	Year
C_MNTH	5 – 6	2	Month
C_WDAY	7	1	Day of week
C_HOUR	8 – 9	2	Collision hour
C_SEV	10	1	Collision severity
C_VEHS	11 – 12	2	Number of vehicles involved in collision
C_CONF	13 – 14	2	Collision configuration
C_RCFG	15 – 16	2	Roadway configuration
C_WTHR	17	1	Weather condition
C_RSUR	18	1	Road surface
C_RALN	19	1	Road alignment
C_TRAF	20 – 21	2	Traffic control
Vehicle level data elements			
V_ID	22 – 23	2	Vehicle sequence number
V_TYPE	24 – 25	2	Vehicle type
V_YEAR	26 – 29	4	Vehicle model year
Person level data elements			
P_ID	30 – 31	2	Person sequence number
P_SEX	32	1	Person sex
P_AGE	33 – 34	2	Person age
P_PSN	35 – 36	2	Person position
P_ISEV	37	1	Medical treatment required
P_SAFE	38 – 39	2	Safety device used
P_USER	40	1	Road user class

‘C_MONTH’, ‘C_WDAY’, ‘C_HOUR’, ‘C_SEV’, ‘C_VEHS’, ‘C_WTHR’, ‘C_RALN’, ‘V_TYPE’, ‘P_AGE’, ‘P_SAFE’, ‘P_USER’, ‘V_AGE’

Possible values and their meaning for each variable

C_YEAR

Code	Description
19yy-20yy	yy = last two digits of the calendar year. (e.g. 90, 91, 92)

C_MNTH

Code	Description
01	January
02	February
03	March
04	April
05	May
06	June
07	July
08	August
09	September
10	October
11	November
12	December
UU	Unknown
XX	Jurisdiction does not provide this data element

C_WDAY

Code	Description
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday
U	Unknown
X	Jurisdiction does not provide this data element

C_HOUR

Code	Description
00	Midnight to 0:59
01	1:00 to 1:59
02	2:00 to 2:59
03	3:00 to 3:59
04	4:00 to 4:59
05	5:00 to 5:59
06	6:00 to 6:59
07	7:00 to 7:59
08	8:00 to 8:59
09	9:00 to 9:59
10	10:00 to 10:59
11	11:00 to 11:59
12	12:00 to 12:59
13	13:00 to 13:59
14	14:00 to 14:59
15	15:00 to 15:59
16	16:00 to 16:59
17	17:00 to 17:59
18	18:00 to 18:59
19	19:00 to 19:59
20	20:00 to 20:59
21	21:00 to 21:59
22	22:00 to 22:59
23	23:00 to 23:59
UU	Unknown
XX	Jurisdiction does not provide this data element

C_SEV

Code	Description
1	Collision producing at least one fatality
2	Collision producing non-fatal injury
U	Unknown
X	Jurisdiction does not provide this data element

C_VEHS

Code	Description
01 - 98	01 - 98 vehicles involved.
99	99 or more vehicles involved.
UU	Unknown
XX	Jurisdiction does not provide this data element

C_CONF

Code	Description	
Single Vehicle in Motion:		
01	Hit a moving object	E.g. a person or an animal
02	Hit a stationary object	E.g. a tree
03	Ran off left shoulder	Including rollover in the left ditch
04	Ran off right shoulder	Including rollover in the right ditch
05	Rollover on roadway	
06	Any other single vehicle collision configuration	
Two Vehicles in Motion - Same Direction of Travel:		
21	Rear-end collision	
22	Side swipe	
23	One vehicle passing to the left of the other, or left turn conflict	
24	One vehicle passing to the right of the other, or right turn conflict	
25	Any other two vehicle - same direction of travel configuration	
Two Vehicles in Motion - Different Direction of Travel:		
31	Head-on collision	
32	Approaching side-swipe	
33	Left turn across opposing traffic	
34	Right turn, including turning conflicts	
35	Right angle collision	
36	Any other two-vehicle - different direction of travel configuration	
Two Vehicles - Hit a Parked Motor Vehicle:		
41	Hit a parked motor vehicle	
QQ	Choice is other than the preceding values	
UU	Unknown	
XX	Jurisdiction does not provide this data element	

C_RCFG

Code	Description
01	Non-intersection e.g. 'mid-block'
02	At an intersection of at least two public roadways
03	Intersection with parking lot entrance/exit, private driveway or laneway
04	Railroad level crossing
05	Bridge, overpass, viaduct
06	Tunnel or underpass
07	Passing or climbing lane
08	Ramp
09	Traffic circle
10	Express lane of a freeway system
11	Collector lane of a freeway system
12	Transfer lane of a freeway system
QQ	Choice is other than the preceding values
UU	Unknown
XX	Jurisdiction does not provide this data element

C_WTHR

Code	Description
1	Clear and sunny
2	Overcast, cloudy but no precipitation
3	Raining
4	Snowing, not including drifting snow
5	Freezing rain, sleet, hail
6	Visibility limitation e.g. drifting snow, fog, smog, dust, smoke, mist
7	Strong wind
Q	Choice is other than the preceding values
U	Unknown
X	Jurisdiction does not provide this data element

C_RSUR

Code	Description	
1	Dry, normal	
2	Wet	
3	Snow (fresh, loose snow)	
4	Slush ,wet snow	
5	Icy	Includes packed snow
6	Sand/gravel/dirt	Refers to the debris on the road, not the material used to construct the road
7	Muddy	
8	Oil	Includes spilled liquid or road application.
9	Flooded	
Q	Choice is other than the preceding values	
U	Unknown	
X	Jurisdiction does not provide data element	

C_RALN

Code	Description
1	Straight and level
2	Straight with gradient
3	Curved and level
4	Curved with gradient
5	Top of hill or gradient
6	Bottom of hill or gradient "Sag"
Q	Choice is other than the preceding values
U	Unknown
X	Jurisdiction does not provide this data element

C_TRAF

Code	Description
01	Traffic signals fully operational
02	Traffic signals in flashing mode
03	Stop sign
04	Yield sign
05	Warning sign Yellow diamond shape sign
06	Pedestrian crosswalk
07	Police officer
08	School guard, flagman
09	School crossing
10	Reduced speed zone
11	No passing zone sign
12	Markings on the road e.g. no passing
13	School bus stopped with school bus signal lights flashing
14	School bus stopped with school bus signal lights not flashing
15	Railway crossing with signals, or signals and gates
16	Railway crossing with signs only
17	Control device not specified
18	No control present
QQ	Choice is other than the preceding values
UU	Unknown
XX	Jurisdiction does not provide this data element

V_ID

Code	Description
01 - 98	01 - 98
99	Vehicle sequence number assigned to pedestrians
UU	Unknown. In cases where a person segment cannot be correctly matched with the vehicle that he/she was riding in, the Vehicle Sequence Number is set to UU.

V_TYPE

Code	Description	
01	Light Duty Vehicle (Passenger car, Passenger van, Light utility vehicles and light duty pick up trucks)	
05	Panel/cargo van <= 4536 KG GVWR	Panel or window type of van designed primarily for carrying goods.
06	Other trucks and vans <= 4536 KG GVWR	Unspecified, or any other types of LTVs that do not fit into the above categories(e.g.. delivery or service vehicles, chip wagons, small tow trucks etc.)
07	Unit trucks > 4536 KG GVWR	All heavy unit trucks, with or without a trailer
08	Road tractor	With or without a semi-trailer
09	School bus	Standard large type
10	Smaller school bus	Smaller type, seats < 25 passengers
11	Urban and Intercity Bus	
14	Motorcycle and moped	Motorcycle and limited-speed motorcycle
16	Off road vehicles	Off road motorcycles (e.g. dirt bikes) and all terrain vehicles
17	Bicycle	
18	Purpose-built motorhome	Exclude pickup campers
19	Farm equipment	
20	Construction equipment	
21	Fire engine	
22	Snowmobile	
23	Street car	
NN	Data element is not applicable	e.g. "dummy" vehicle record created for the pedestrian
QQ	Choice is other than the preceding values	
UU	Unknown	
XX	Jurisdiction does not provide this data element	

V_YEAR

Code	Description
19yy-20yy	Model Year 19YY to 20YY where 00<= YY <= Current Year + 1
NNNN	Data element is not applicable e.g. "dummy" vehicle record created for the pedestrian
UUUU	Unknown
XXXX	Jurisdiction does not provide this data element

P_ID

Code	Description
01 - 99	01 - 99
NN	Data element is not applicable e.g. "dummy" person record created for parked cars
UU	Unknown e.g. applies to runaway cars

P_SEX

Code	Description
F	Female
M	Male
N	Data element is not applicable e.g. "dummy" person record created for parked cars
U	Unknown e.g. applies to runaway cars
X	Jurisdiction does not provide this data element

P_AGE

Code	Description
00	Less than 1 Year old
01 – 98	1 to 98 Years old
99	99 Years or older
NN	Data element is not applicable e.g. "dummy" person record created for parked cars
UU	Unknown e.g. applies to runaway cars
XX	Jurisdiction does not provide this data element

P_PSN

Code	Description	
11	Driver	
12	Front row, center	
13	Front row, right outboard, including motorcycle passenger in sidecar	
21	Second row, left outboard, including motorcycle passenger	
22	Second row, center	
23	Second row, right outboard	
31	Third row, left outboard	
32	Third row, center	
33	Third row, right outboard	
etc.		
96	Position unknown, but the person was definitely an occupant	
97	Sitting on someone's lap	
98	Outside passenger compartment	e.g. riding in the back of a pick-up truck
99	Pedestrian	
NN	Data element is not applicable	e.g. "dummy" person record created for parked cars
QQ	Choice is other than the preceding value	
UU	Unknown	e.g. applies to runaway cars
XX	Jurisdiction does not provide this data element	

P_ISEV

Code	Description	
1	No Injury	
2	Injury	
3	Fatality	Died immediately or within the time limit.
N	Data element is not applicable	e.g. "dummy" person record created for parked cars
U	Unknown	e.g. applies to runaway cars
X	Jurisdiction does not provide this data element	

P_SAFE

Code	Description	
01	No safety device used or No child restraint used	
02	Safety device used or child restraint used	
09	Helmet worn	For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders
10	Reflective clothing worn	For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders and pedestrians
11	Both helmet and reflective clothing used	For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders and pedestrians
12	Other safety device used	
13	No safety device equipped	e.g. buses
NN	Data element is not applicable	e.g. "dummy" person record created for parked cars
QQ	Choice is other than the preceding values	
UU	Unknown	e.g. applies to runaway cars
XX	Jurisdiction does not provide this data element	

P_USER

Code	Description
1	Motor Vehicle Driver
2	Motor Vehicle Passenger
3	Pedestrian
4	Bicyclist
5	Motorcyclist
U	Not stated / Other / Unknown