

## SWITRS Codebook

### SWITRS Collision Raw Data

Item Name	Variable Name	Description	Label	Possible Values
Case Id	<b>CASEID</b>	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)		
X-Coordinate Location	<b>POINT_X</b>	The longitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84).		
Y-Coordinate Location	<b>POINT_Y</b>	The latitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84).		
Collision Year	<b>YEAR_</b>	the year when the collision occurred		
County City Location	<b>LOCATION</b>	the location code of where the collision occurred		Data may appear with no leading zero.
CHP Beat Type	<b>CHPTYPE</b>		<b>0 "Not CHP"</b> <b>1 "Interstate"</b> <b>2 "US Highway"</b> <b>3 "State Route"</b> <b>4 "County Road Line"</b> <b>5 "County Road Area"</b> <b>6 "US Highway"</b> <b>7 "State Route"</b> <b>8 "County Road Line"</b> <b>9 "County Road Area"</b> <b>10 "Safety Services Program Beats"</b> <b>11 "Administrative Beats (900's)"</b>	1 - Interstate 2 - US Highway 3 - State Route 4 - County Road Line 5 - County Road Area A - Safety Services Program Beats S - Administrative Beats (900's) 0 - Not CHP Contract City: 6 - US Highway 7 - State Route 8 - County Road Line 9 - County Road Area
Day of Week	<b>DAYWEEK</b>	the code for the day of the week when the collision occurred		1 - Monday 2 - Tuesday 3 - Wednesday 4 - Thursday 5 - Friday 6 - Saturday 7 - Sunday
Collision Severity	<b>CRASHSEV</b>	the injury level severity of the collision		1 - Fatal 2 - Injury (Severe)

		(highest level of injury in collision)		3 - Injury (Other Visible) 4 - Injury (Complaint of Pain) 0 – Property Damage Only (PDO) (PDO collisions not included on TIMS)
PCF Violation Category	<b>VIOLCAT</b>			01 - Driving or Bicycling Under the Influence of Alcohol or Drug 02 - Impeding Traffic 03 - Unsafe Speed 04 - Following Too Closely 05 - Wrong Side of Road 06 - Improper Passing 07 - Unsafe Lane Change 08 - Improper Turning 09 - Automobile Right of Way 10 - Pedestrian Right of Way 11 - Pedestrian Violation 12 - Traffic Signals and Signs 13 - Hazardous Parking 14 - Lights 15 - Brakes 16 - Other Equipment 17 - Other Hazardous Violation 18 - Other Than Driver (or Pedestrian) 19 - 20 - 21 - Unsafe Starting or Backing 22 - Other Improper Driving 23 - Pedestrian or "Other" Under the Influence of Alcohol or Drug 24 - Fell Asleep 00 - Unknown - - Not Stated
Killed victims	<b>KILLED</b>	counts victims in the collision with degree of injury of 1		0 to N for each collision
Injured victims	<b>INJURED</b>	counts victims in the collision with degree of injury of 2, 3, or 4		0 to N for each collision
Weather 1	<b>WEATHER1</b>	the weather condition at the time of the collision		A - Clear B - Cloudy C - Raining D - Snowing E - Fog F - Other G - Wind - - Not Stated
Pedestrian Collision	<b>PEDCOL</b>	indicates whether the collision involved a pedestrian		Y or blank

Bicycle Collision	<b>BICCOL</b>	indicates whether the collision involved a bicycle		Y or blank
Motorcycle Collision	<b>MCCOL</b>	indicates whether the collision involved a motorcycle		Y or blank
Truck Collision	<b>TRUCKCOL</b>	indicates whether the collision involved a big truck		Y or blank
Alcohol Involved	<b>ETOH</b>	indicates whether the collision involved a party that had been drinking		Y or blank
Time Category	<b>TIMECAT</b>	the time of the collision aggregated by 3 hour categories		300 - Time >= 0:00 or Time <= 2:59 600 - Time >= 3:00 or Time <= 5:59 900 - Time >= 6:00 or Time <= 8:59 1200 - Time >= 9:00 or Time <= 11:59 1500 - Time >= 12:00 or Time <= 14:59 1800 - Time >= 15:00 or Time <= 17:59 2100 - Time >= 18:00 or Time <= 20:59 2400 - Time >= 21:00 or Time <= 23:59 2500 - Time = 25:00 (Unknown)
Month	<b>MONTH_</b>	The month of the year		1 - January 2 - February 3 - March 4 - April 5 - May 6 - June 7 - July 8 - August 9 - September 10 - October 11 - November 12 - December
Type of Collision	<b>CRASHTYP</b>			A - Head-On B - Sideswipe C - Rear End

				D - Broadside E - Hit Object F - Overturned G - Vehicle/Pedestrian H - Other - - Not Stated
Motor Vehicle Involved With	<b>INVOLV</b>			A - Non-Collision B - Pedestrian C - Other Motor Vehicle D - Motor Vehicle on Other Roadway E - Parked Motor Vehicle F - Train G - Bicycle H - Animal I - Fixed Object J - Other Object - - Not Stated
Ped Action	<b>PED</b>			A - No Pedestrian Involved B - Crossing in Crosswalk at Intersection C - Crossing in Crosswalk Not at Intersection D - Crossing Not in Crosswalk E - In Road, Including Shoulder F - Not in Road G - Approaching/Leaving School Bus - - Not Stated
Primary Rd	<b>PRIMARYRD</b>	The road the collision occurred on		
Secondary Rd	<b>SECONDRD</b>	A secondary reference road that DISTANCE and DIRECT are measured from		
Distance	<b>DISTANCE</b>	Offset distance from secondary road		distance converted to feet
Direction	<b>DIRECT</b>	Direction of offset distance		N - North E - East S - South W - West - or blank - Not Stated, in Intersection
Intersection	<b>INTERSECT_</b>	Indicates where a collision occurred at an intersection		Y - Intersection N - Not Intersection Blank - Not stated
Processing Date	<b>PROCDATE</b>	Date the record was processed		
Jurisdiction	<b>JURIS</b>	Jurisdiction		
Collision Date	<b>DATE_</b>	the date when the collision occurred		
Collision Time	<b>TIME_</b>	the time when the collision		Data may appear with no leading

		occurred (24 hour time)		zero(s).
Officer Id	<b>BADGE</b>			
Reporting District	<b>JURDIST</b>			
CHP Shift	<b>SHIFT</b>			1 - 0600 thru 1359 2 - 1400 thru 2159 3 - 2200 thru 0559 4 - CHP Not Stated 5 - Not CHP
Population	<b>POP</b>			1 - Incorporated (less than 2500) 2 - Incorporated (2500 - 10000) 3 - Incorporated (10000 - 25000) 4 - Incorporated (25000 - 50000) 5 - Incorporated (50000 - 100000) 6 - Incorporated (100000 - 250000) 7 - Incorporated (over 250000) 9 - Unincorporated (Rural) 0 - University (Private Property) - - Not Stated
Special Condition	<b>SPECIAL</b>			1 - Schoolbus on Public Roadway (CHP Beat or CHP Adm Beat 901) 2 - State University (Also SFIA) 3 - Schoolbus Not on Public Roadway (CHP Adm Beat 903) 4 - Offroad (Unimproved) (CHP Adm Beat 906, 907) 5 - Vista Point or Rest Area (CHP Adm Beat 903) or Scales or Inspection Facility (CHP Com Beat 860-898) 6 - Other Public Access (Improved) (CHP Adm Beat 903) 0 - Not Above - - Not Stated
Beat Type	<b>BEATTYPE</b>			1 - CHP State Highway 2 - CHP County Road Line 3 - CHP County Road Area 4 - Schoolbus on City Roadway (CHP Adm Beat 901) 5 - Schoolbus not on Public Roadway (CHP Adm Beat 903) 6 - Offroad (Unimproved) (CHP Adm Beat 906, 907) 7 - Vista Point or Rest Area (CHP Adm Beat 903) or Scales or Inspection Facility (CHP Com Beat

				860-898) 8 - Other Public Access (Improved) (CHP Adm Beat 903) 0 - Not CHP
City Division LAPD	<b>LAPDDIV</b>			Includes blanks and dashes as not stated.
CHP Beat Class	<b>BEATCLAS</b>			1 - CHP Primary 2 - CHP Other 0 - Not CHP
Beat Number	<b>BEATNUMB</b>			
Weather 2	<b>WEATHER2</b>	the weather condition at the time of the collision, if a second description is necessary		same as weather 1 above
State Highway Indicator	<b>STATEHW</b>	Indicates whether a collision occurred on a state highway		Y - State Highway N - Not State Highway Blank - Not stated
Caltrans County	<b>CALTRANC</b>			Includes blanks and nulls
Caltrans District	<b>CALTRAND</b>			
State Route	<b>STROUTE</b>			0 = Not State Highway
Route Suffix	<b>ROUTESUF</b>			
Postmile Prefix	<b>POSTPRE</b>			
Postmile	<b>POSTMILE</b>			
Location Type	<b>LOCATYPE</b>			H - Highway I - Intersection R - Ramp (or Collector) - or blank - Not State Highway
Ramp Intersection	<b>RAMP</b>			1 - Ramp Exit, Last 50 Feet 2 - Mid-Ramp 3 - Ramp Entry, First 50 Feet 4 - Not State Highway, Ramp-related, Within 100 Feet 5 - Intersection 6 - Not State Highway, Intersection-related, Within 250 Feet 7 - Highway 8 - Not State Highway - - Not Stated
Side Of Highway	<b>SIDEHW</b>	Code provided by Caltrans Coders; applies to divided highway, based on nominal direction of route; for single vehicle is same as nominal direction of travel, overruled by impact with second vehicle after crossing median		N - Northbound S - Southbound E - Eastbound W - Westbound Blank - Not stated/not state highway

Tow Away	<b>TOWAWAY</b>			Y - Yes N - No
Party Count	<b>PARTIES</b>	counts total parties in the collision		1 to N for each collision
Primary Collision Factor	<b>PCF</b>			A - (Vehicle) Code Violation B - Other Improper Driving C - Other Than Driver D - Unknown E - Fell Asleep - - Not Stated
PCF Violation Code	<b>VIOLCODE</b>			B - Business and Professions C - Vehicle H - City Health and Safety I - City Ordinance O - County Ordinance P - Penal S - Streets and Highways W - Welfare and Institutions - - Not Stated
PCF Violation	<b>VIOL</b>			Corresponds to violcat categories and described in vehicle code manual - ( <a href="http://www.dmv.ca.gov/pubs/vctop/vc/vc.htm">http://www.dmv.ca.gov/pubs/vctop/vc/vc.htm</a> )
PCF Violation Subsection	<b>VIOLSUB</b>			Blank if no subsection.
Hit And Run	<b>HITRUN</b>			F - Felony M - Misdemeanor N - Not Hit and Run
Road Surface	<b>ROADSURF</b>			A - Dry B - Wet C - Snowy or Icy D - Slippery (Muddy, Oily, etc.) - - Not Stated
Road Condition 1	<b>RDCOND1</b>			A - Holes, Deep Ruts B - Loose Material on Roadway C - Obstruction on Roadway D - Construction or Repair Zone E - Reduced Roadway Width F - Flooded G - Other H - No Unusual Condition - - Not Stated
Road Condition 2	<b>RDCOND2</b>			same as road condition 1 above
Lighting	<b>LIGHTING</b>			A - Daylight B - Dusk - Dawn C - Dark - Street Lights D - Dark - No Street Lights

				E - Dark - Street Lights Not Functioning - - Not Stated
Control Device	<b>RIGHTWAY</b>			A - Functioning B - Not Functioning C - Obscured D - None - - Not Stated
CHP Road Type	<b>CHPRDTYP</b>			May be blank
Not Private Property	<b>NOTPRIV</b>	indicates whether the collision occurred on private property		Y or blank
Statewide Vehicle Type At Fault	<b>STFAULT</b>	indicates the Statewide Vehicle Type of the party who is at fault		see Party folder Statewide Vehicle Type item
CHP Vehicle Type At Fault	<b>CHPFAULT</b>	indicates the CHP Vehicle Type of the party who is at fault		see Party folder CHP Vehicle Type Towing item
Severe Injury count	<b>SEVINJ</b>	counts victims in the collision with degree of injury of 2		0 to N for each collision
Other Visible Injury count	<b>OTHERINJ</b>	counts victims in the collision with degree of injury of 3		0 to N for each collision
Complaint of Pain Injury count	<b>COP</b>	counts victims in the collision with degree of injury of 4		0 to N for each collision
Pedestrian Killed count	<b>PEDKILL</b>	Counts the victims in the collision with party type of 2 and degree of injury is 1		0 or 1 for each collision
Pedestrian Injured count	<b>PEDINJ</b>	Counts the victims in the collision with party type of 2 and degree of injury is 2, 3, or 4		0 or 1 for each collision
Bicyclist Killed count	<b>BICKILL</b>	Counts the victims in the collision with (((victim role of 2 and statewide vehicle type of 'L') or (victim role of 4)) and (victim degree of injury is 1))		0 to N for each collision
Bicyclist Injured count	<b>BICINJ</b>	Counts the victims in the collision with (((victim role of 2 and statewide vehicle type of 'L') or (victim role of 4)) and (victim degree of injury is 2, 3, or 4))		0 to N for each collision
Motorcyclist Killed count	<b>MCKILL</b>	counts victims in the collision with statewide vehicle type of C or O and degree of injury of 1		0 to N for each collision
Motorcyclist Injured count	<b>MCINJURE</b>	counts victims in the collision with statewide vehicle type of C or O and degree of injury of 2, 3, or 4		0 to N for each collision
Primary Ramp	<b>RAMP1</b>			NO-NB On Ramp, NF-NB Off Ramp, SO-SB On Ramp, SF-SB Off Ramp,

				EO-EB On Ramp, EF-EB Off Ramp, WO-WB On Ramp, WF-WB Off Ramp, To, From, Transition, Collector, Connector & blank
Secondary Ramp	<b>RAMP2</b>			Same as above
City	<b>CITY</b>			
County	<b>COUNTY</b>			
State	<b>STATE</b>			
CHP generated GPS longitude coordinate	<b>CHP_X</b>	The longitude of the GPS position		
CHP generated GPS latitude coordinate	<b>CHP_Y</b>	The latitude of the GPS position		

## SWITRS Party Raw Data

Case Id	<b>caseid</b>	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)	
Party Number	<b>parnum</b>		1 to 999
Party Type	<b>ptype</b>		1 - Driver (including Hit and Run) 2 - Pedestrian 3 - Parked Vehicle 4 - Bicyclist 5 - Other - - Not Stated
At Fault	<b>atfault</b>	indicates whether the party was at fault in the collision	Y
Party Sex	<b>psex</b>	the code of the sex of the party	M - Male F - Female - - Not Stated
Party Age	<b>page</b>	the age of the party at the time of the collision	0 to 125+ (998=UNKNOWN)
Party Sobriety	<b>psober</b>		A - Had Not Been Drinking B - Had Been Drinking, Under Influence C - Had Been Drinking, Not Under Influence D - Had Been Drinking, Impairment Unknown G - Impairment Unknown H - Not Applicable - - Not Stated
Party Drug Physical	<b>pdrug</b>		E - Under Drug Influence F - Impairment - Physical H - Not Applicable I - Sleepy/Fatigued - - Not Stated
Direction Of Travel	<b>pdirect</b>		N - North S - South E - East W - West - - Not Stated
Party Safety Equipment 1	<b>psafety1</b>		A - None in Vehicle B - Unknown C - Lap Belt Used D - Lap Belt Not Used E - Shoulder Harness Used F - Shoulder Harness Not Used

				G - Lap/Shoulder Harness Used H - Lap/Shoulder Harness Not Used J - Passive Restraint Used K - Passive Restraint Not Used L - Air Bag Deployed M - Air Bag Not Deployed N - Other P - Not Required Q - Child Restraint in Vehicle Used R - Child Restraint in Vehicle Not Used S - Child Restraint in Vehicle, Use Unknown T - Child Restraint in Vehicle, Improper Use U - No Child Restraint in Vehicle V - Driver, Motorcycle Helmet Not Used W - Driver, Motorcycle Helmet Used X - Passenger, Motorcycle Helmet Not Used Y - Passenger, Motorcycle Helmet Used - or blank - Not Stated
Party Safety Equipment 2	<b>psafety2</b>			same as Party Safety Equipment 1 above
Financial Responsibility	<b>insured</b>			N - No Proof of Insurance Obtained Y - Yes, Proof of Insurance Obtained O - Not Applicable (used for parked cars, bicyclists, pedestrians, and party type others) E - Used if the officer is called away from the scene of the collision prior to obtaining the insurance information Blank - not stated
Special Information 1	<b>hazard</b>			A - Hazardous Materials - - Not Stated
Special Information 2	<b>cell</b>	CHP555 was revised July 2003 to reflect codes 1,2, & 3. However, collision forms prior to July 2003 will continue to be processed after that date.		B - Cell Phone in Use (4/1/01) C - Cell Phone Not in Use (4/1/01) D - No Cell Phone/Unknown (4/1/01) - - Not Stated (4/1/01) 1 - Cell Phone Handheld in Use (7/1/03) 2 - Cell Phone Hands Free in Use (7/1/03)

				3 - Cell Phone Not in Use (7/1/03)
Special Information 3	<b>sbus</b>			E - School Bus Related (1/1/02) - - Not Stated (1/1/02)
OAF Violation Code	<b>pviolcod</b>			B - Business and Professions C - Vehicle H - City Health and Safety I - City Ordinance O - County Ordinance P - Penal S - Streets and Highways W - Welfare and Institutions - - Not Stated
OAF Violation Category	<b>pviolcat</b>			01 - Under Influence in Public (647F) 02 - County Ordinance 03 - City Ordinance 05 - Business/Professions Code 06 - Felony Penal Code 08 - Controlled Substances (Felony Health and Safety) 09 - Health/Safety Code (Misdemeanor) 10 - Penal Code (Misdemeanor) 11 - Streets/Highways Code 13 - Welfare/Institutions Code 15 - Manslaughter 16 - Non-Vehicle Code Not Specified Above 17 - Fish & Game Code 18 - Agriculture Code 19 - Hit and Run 20 - Driving or Bicycling Under the Influence of Alcohol or Drug 21 - Improper Lane Change 22 - Impeding Traffic 23 - Failure to Heed Stop Signal 24 - Failure to Heed Stop Sign 25 - Unsafe Speed 26 - Reckless Driving 27 - Wrong Side of Road 28 - Unsafe Lane Change 29 - Improper Passing 30 - Following Too Closely 31 - Improper Turning 33 - Automobile Right-of-Way 34 - Pedestrian Right-of-Way 35 - Pedestrian Violation

				37 - 38 - Hazardous Parking 39 - Lights 40 - Brakes 43 - Other Equipment 44 - Other Hazardous Movement 46 - Improper Registration 47 - Other Non-Moving Violation 48 - Excessive Smoke 49 - Excessive Noise 50 - Overweight 51 - Oversize 52 - Over Maximum Speed 53 - Unsafe Starting or Backing 60 - Off-Highway Vehicle Violation 61 - Child Restraint 62 - Seat Belt 63 - Seat Belt (Equipment) 00 or Blank - Not Stated
OAF Violation Section	<b>pviol</b>			
OAF Violation Suffix	<b>pviolsuf</b>			Blank may appear if no suffix.
Other Associated Factor 1	<b>oaf1</b>			A - Violation E - Vision Obscurements F - Inattention (beginning 1/1/01; see Inattention Item Name near end of record for A-K, P values) G - Stop and Go Traffic H - Entering/Leaving Ramp I - Previous Collision J - Unfamiliar With Road K - Defective Vehicle Equipment L - Uninvolved Vehicle M - Other N - None Apparent O - Runaway Vehicle - - Not Stated
Other Associated Factor 2	<b>oaf2</b>			same as OAF 1 above
Party Number Killed	<b>pkilled</b>	counts victims in the party with degree of injury of 1		0 to N for each party
Party Number Injured	<b>pinjured</b>	counts victims in the party with degree of injury of 2, 3, or 4		0 to N for each party
Movement Preceding Collision	<b>movement</b>			A - Stopped B - Proceeding Straight

				C - Ran Off Road D - Making Right Turn E - Making Left Turn F - Making U-Turn G - Backing H - Slowing/Stopping I - Passing Other Vehicle J - Changing Lanes K - Parking Maneuver L - Entering Traffic M - Other Unsafe Turning N - Crossed Into Opposing Lane O - Parked P - Merging Q - Traveling Wrong Way R - Other - - Not Stated
Vehicle Year	<b>vehyear</b>	the model year of the party's vehicle		9999 or blank = not stated
Vehicle Make	<b>vehmake</b>	the full description of the make of the party's vehicle		
Statewide Vehicle Type	<b>vehtype</b>			A - Passenger Car/Station Wagon B - Passenger Car with Trailer C - Motorcycle/Scooter D - Pickup or Panel Truck E - Pickup or Panel Truck with Trailer F - Truck or Truck Tractor G - Truck or Truck Tractor with Trailer H - Schoolbus I - Other Bus J - Emergency Vehicle K - Highway Construction Equipment L - Bicycle M - Other Vehicle N - Pedestrian O - Moped - or blank - Not Stated
CHP Vehicle Type Towing	<b>chptype1</b>			01 - Passenger Car, Station Wagon, or Jeep 02 - Motorcycle 03 - Motor-Driven Cycle (< 15 hp) 04 - Bicycle 05 - Motorized Bicycle 06 - All-Terrain Vehicle (ATV)

				07 - Sport Utility Vehicle 08 - Minivan 09 - Paratransit Bus 10 - Tour Bus 11 - Other Commercial Bus 12 - Non-Commercial Bus 13 - Schoolbus Without Pupil Passengers (prior to 2002) 13 - Schoolbus Public I (eff. 2002) 14 - Schoolbus Public I (prior to 2002) 14 - Schoolbus Public II (eff. 2002) 15 - Schoolbus Public II (prior to 2002) 15 - Schoolbus Private I (eff. 2002) 16 - Schoolbus Private I (prior to 2002) 16 - Schoolbus Private II (eff. 2002) 17 - Schoolbus Private II (prior to 2002) 17 - Schoolbus Contractual I (eff. 2002) 18 - Schoolbus Contractual I (prior to 2002) 18 - Schoolbus Contractual II (eff. 2002) 19 - Schoolbus Contractual II (prior to 2002) 19 - General Public Paratransit Vehicle (eff. 2002) 20 - Public Transit Authority 21 - Two-Axle Tank Truck 22 - Pickup or Panel Truck 23 - Pickup Truck With Camper 24 - Three-Axle Tank Truck 25 - Truck Tractor 26 - Two-Axle Truck 27 - Three-Axle Truck 41 - Ambulance 42 - Dune Buggy 43 - Fire Truck (not rescue) 44 - Forklift 45 - Highway Construction Equipment (only while not in construction area) 46 - Implement of Husbandry
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				<p>47 - Motor Home (40 ft or less)  48 - CHP, Police, or Sheriff Car (emergency service or not)  49 - CHP, Police, or Sheriff Motorcycle (emergency service or not)  50 - Mobile Equipment  51 - Farm Labor Vehicle (certified)  55 - Two-Axle Tow Truck  56 - Three-Axle Tow Truck  57 - Farm Labor Vehicle (non-certified)  58 - Farm Labor Transporter  59 - Motorhome (over 40 ft)  60 - Pedestrian (includes motorized wheelchair)  61 - School Pupil Activity Bus I (prior to 2002)  62 - School Pupil Activity Bus II (prior to 2002)  63 - "Youth" Bus  64 - School Pupil Activity Bus I (eff. 2002)  65 - School Pupil Activity Bus II (eff. 2002)  66 - School Bus Without Pupil Passengers (eff. 2002)  71 - Passenger Car - Hazardous Materials Only  72 - Pickups and Panels - Hazardous Materials Only  73 - Pickups and Campers - Hazardous Materials Only  75 - Truck Tractor - Hazardous Materials Only  76 - Two-Axle Truck - Hazardous Materials Only  77 - Three or More Axle Truck - Hazardous Materials Only  78 - Two-Axle Tank Truck - Hazardous Materials Only  79 - Three-Axle Tank Truck - Hazardous Materials Only  81 - Passenger Car - Hazardous Waste or Waste/Material Combo  82 - Pickups and Panels -</p>
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				<p>Hazardous Waste or Waste/Material Combo</p> <p>83 - Pickups and Campers - Hazardous Waste or Waste/Material Combo</p> <p>85 - Truck Tractor - Hazardous Waste or Waste/Material Combo</p> <p>86 - Two-Axle Truck - Hazardous Waste or Waste/Material Combo</p> <p>87 - Three or More Axle Truck - Hazardous Waste or Waste/Material Combo</p> <p>88 - Two-Axle Tank Truck - Hazardous Waste or Waste/Material Combo</p> <p>89 - Three-Axle Tank Truck - Hazardous Waste or Waste/Material Combo</p> <p>94 - Motorized Transportation Device</p> <p>95 - Miscellaneous Non-Motorized Vehicle (Ridden Animal, Animal-Drawn Conveyance, Train, Or Building) With Victim</p> <p>96 - Miscellaneous Motorized Vehicle (Golf Cart)</p> <p>97 - Low Speed Vehicle</p> <p>99 or dash - Not Stated or Unknown (Hit and Run)</p>
CHP Vehicle Type Towed	<b>chptype2</b>			<p>same as CHP vehicle type towing above with the following additions:</p> <p>28 - Semi-Tank Trailer</p> <p>29 - Pull-Tank Trailer</p> <p>30 - Two-Tank Trailer</p> <p>31 - Semi-Trailer</p> <p>32 - Pull Trailer (includes dolly)</p> <p>33 - Two Trailers (or 31 + 32)</p> <p>34 - Boat Trailer</p> <p>35 - Utility Trailer</p> <p>36 - Trailer Coach</p> <p>37 - Extralegal Permit Load</p> <p>38 - Pole, Pipe, or Logging Dolly</p> <p>39 - Three Trailers (or 31 + 33)</p> <p>40 - Federally Legal Semi-Trailer</p> <p>52 - Federally Legal Double Cargo Combo (over 75 ft)</p> <p>53 - Fifth Wheel Trailer</p>

				54 - Container Chassis
Party Race	<b>prace</b>			A - Asian      O - Other B - Black      W - White H - Hispanic    Blank - Not stated Eff. 1/1/2002
Inattention	<b>var31 (SAS) inattention (Stata)</b>	The July 2003 form revision separated 'P' Cell Phone into 'A' Handheld and 'B' Hands Free. All other values 'Q' through 'Y' were converted to 'C' through 'K'.		A - Cell Phone Handheld (7/1/03) B - Cell Phone Hands Free (7/1/03) C - Electronic Equip.(1/1/01) D - Radio/CD (1/1/01) E - Smoking (1/1/01) F - Eating (1/1/01) G - Children (1/1/01) H - Animal (1/1/01) I - Personal Hygiene (1/1/01) J - Reading (1/1/01) K - Other (1/1/01) P - Cell Phone (1/1/01, value prior to 7/03 form revision) - - Not Stated
Special Information F	<b>var32</b>			F - 75 Ft Motortruck Combo (1/1/03) - - Not Stated
Special Information G	<b>var33</b>			G - 32 Ft Trailer Combo (1/1/03) - - Not Stated

## SWITRS Victim Raw Data

Case Id	<b>caseid</b>	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)		
Party Number	<b>parnum</b>			1 to 999
Victim Role	<b>vtype</b>			1 - Driver 2 - Passenger (includes non-operator on bicycle or any victim on/in parked vehicle or multiple victims on/in non-motor vehicle) 3 - Pedestrian 4 - Bicyclist 5 - Other (single victim on/in non-motor vehicle; e.g. ridden animal, horse-drawn carriage, train, or building) 6 - Non-Injured Party
Victim Sex	<b>vsex</b>			M - Male F - Female - - Not Stated
Victim Age	<b>vage</b>	the age of the victim at the time of the collision		0 - 125+ (998=UNKNOWN)
Victim Degree of Injury	<b>vinjury</b>			1 - Killed 2 - Severe Injury 3 - Other Visible Injury 4 - Complaint of Pain 0 - No Injury
Victim Seating Position	<b>vseat</b>			1 - Driver 2 thru 6 - Passengers 7 - Station Wagon Rear 8 - Rear Occupant of Truck or Van 9 - Position Unknown 0 - Other Occupants A thru Z - Bus Occupants - - Not Stated
Victim Safety Equipment 1	<b>vsafety1</b>			A - None in Vehicle B - Unknown C - Lap Belt Used D - Lap Belt Not Used E - Shoulder Harness Used F - Shoulder Harness Not Used G - Lap/Shoulder Harness Used H - Lap/Shoulder Harness Not Used J - Passive Restraint Used

				K - Passive Restraint Not Used L - Air Bag Deployed M - Air Bag Not Deployed N - Other P - Not Required Q - Child Restraint in Vehicle Used R - Child Restraint in Vehicle Not Used S - Child Restraint in Vehicle, Use Unknown T - Child Restraint in Vehicle, Improper Use U - No Child Restraint in Vehicle V - Driver, Motorcycle Helmet Not Used W - Driver, Motorcycle Helmet Used X - Passenger, Motorcycle Helmet Not Used Y - Passenger, Motorcycle Helmet Used - or blank - Not Stated
Victim Safety Equipment 2	<b>vsafety2</b>			same as Victim Safety Equipment 1 above (eff. Jan 2002)
Victim Ejected	<b>vejected</b>			0 - Not Ejected 1 - Fully Ejected 2 - Partially Ejected 3 - Unknown - - Not Stated