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## INTRODUCTION

The Statewide Integrated Traffic Records System (SWITRS) is collected and maintained by the California Highway Patrol (CHP). SWITRS contains all collisions that were reported to CHP from local and governmental agencies. For more information regarding SWITRS or for detailed summaries by year, please visit the CHP website at: <https://www.chp.ca.gov/programs-services/services-information/switrs-internet-statewide-integrated-traffic-records-system>. You can also download complete datasets and request statistical reports via the I-SWITRS application provided by CHP at: <http://iswitrs.chp.ca.gov>.

If you are interested in SWITRS collision rankings of cities or counties without investigating the actual datasets, the California Office of Traffic safety has an excellent resource at: [http://ots.ca.gov/Media\\_and\\_Research/Rankings/default.asp](http://ots.ca.gov/Media_and_Research/Rankings/default.asp). Their site allows you to choose a county or city and see collision rankings by total count, vehicle miles travelled, or by average population.

## FINAL VS PROVISIONAL

We determine the dataset is *final* when we process the data after CHP announces the report of the specific year. CHP hasn't released the 2016 SWITRS Annual Report on CHP SWITRS website yet so we say *provisional* for 2016 and later dataset.

## NEW LEVEL OF VICTIM DEGREE OF INJURY NEW

CHP has added three additional classifications of injury status based on the Model Minimum Uniform Crash Criteria (MMUCC) 5th Edition released in 2017. The MMUCC is a standardized method for reporting traffic collisions and the vehicles, persons, and environment involved.

New Victim Degree of Injury Level in SWITRS	Old Definition of Victim Degree of Injury in SWITRS
5 - Suspected Serious Injury	2 - Severe Injury
6 - Suspected Minor Injury	3 - Other Visible Injury
7 - Possible Injury	4 - Complaint of Pain

For the purpose of analysis across multiple years with old definition (2, 3, and 4), we combined injury status categories using the latest definitions (5, 6 and 7); i.e., all victims coded as "Severe Injury" or "Suspected Serious Injury" are shown as "Suspected Serious Injury" in our tools.

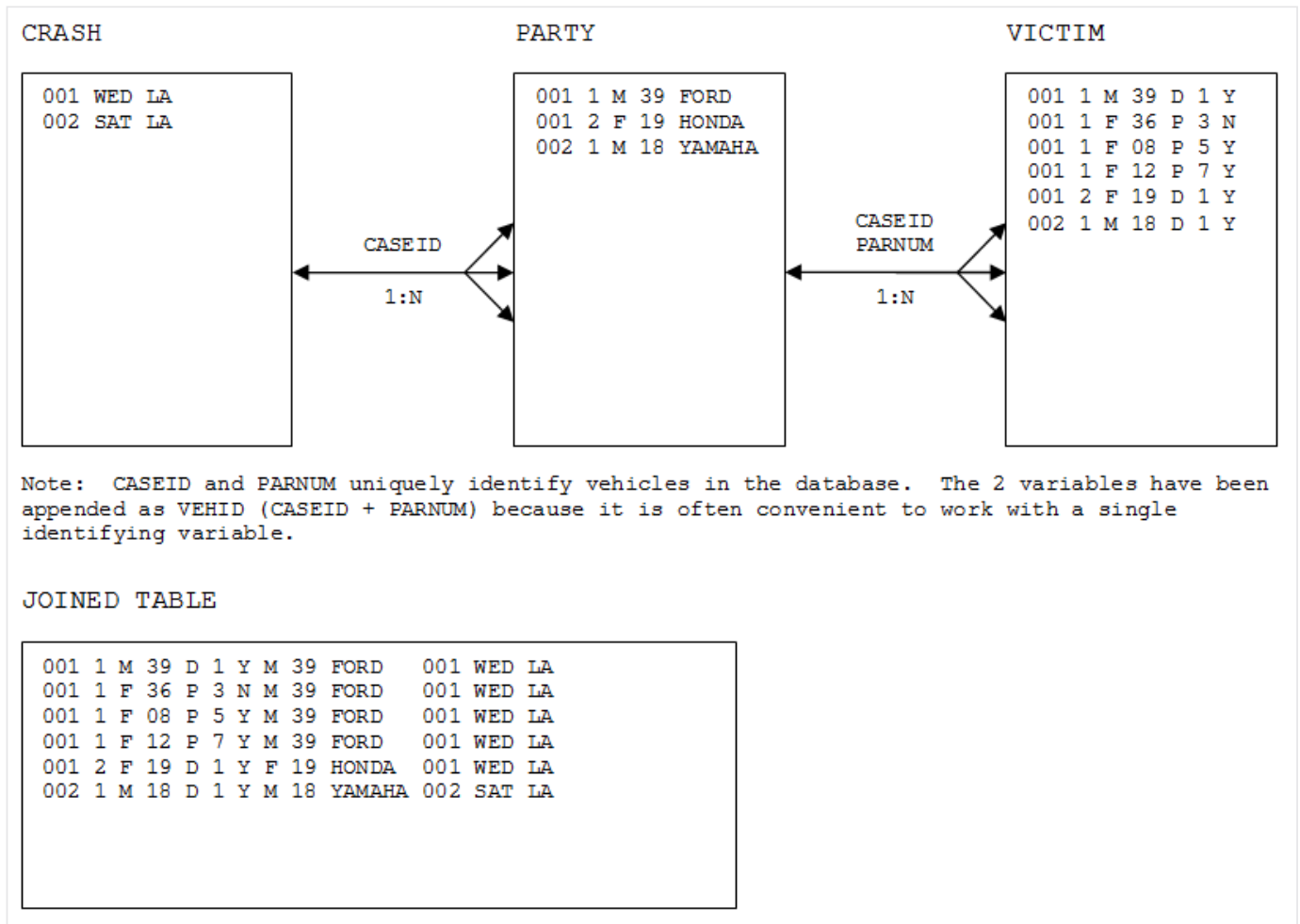
## WORKING WITH THE RELATIONAL DATABASE STRUCTURE

The data have a hierarchical structure. The collision tables contain information on each collision, one line per collision. The party tables contain information from all parties involved in the collisions, one line per party. Parties are the major players in traffic collision - drivers, pedestrians, bicyclists, and parked vehicles. The information includes personal descriptors and vehicle descriptors. The victim tables contain information about the victims - persons associated with each party. For example, a motorcyclist and his passenger are each a victim. Injury severity is included in the victim table.

The victims can be thought of as being nested within parties and parties can be thought of as being nested within crashes. Another way to conceptualize the data is to use the entity-relationship model common in relational database management systems. In this data model, COLLISION, PARTY, and VICTIM are entities that have very specific relationships to each other. COLLISION is a "strong" or "parent" entity because it can exist on its own. PARTY is a "weak" or "child" entity, because it logically depends on an instance of COLLISION. In other words, a driver cannot be a party in a collision unless the collision exists and is in the collision table. Likewise, VICTIM is a weak entity, because it depends on PARTY for its existence.

The figure shows an example database with crash, party, and victim tables. The database is tiny – it only contains information on 2 crashes. CRASH has 3 variables: case id, day of week, and county. PARTY has 4 variables: case id, party number, age, and vehicle make. VICTIM has 7 variables: case id, party number, sex, age, victim type, seating position, and seat belt status.

The relationships between each pair of tables are represented below. It is important to understand the relationships when merging tables. The rectangles represent data tables; the arrows and accompanying text describe the relationship. In the CRASH-PARTY relationship, the records are linked with the caseid variable and any number of PARTY records can be associated with a crash. The PARTY-VICTIM relationship tells us that the linkage require two variables, caseid and parnum, and that any number of victims can be associated with a party.



An important aspect of the relationship between the PARTY and VICTIM tables is that some parties (i.e, drivers, bicyclists, pedestrians) will also appear in the VICTIM table. Injured parties will appear in the VICTIM table; uninjured parties will not.

A common way to work with data of this structure is to create a party-level table or a victim-level table that has data from all its parents joined to each row. For example, if you plan to do analyses at the victim-level, you can start with a VICTIM table and join in values from corresponding PARTY and CRASH tables. In the figure, the crash variables and the party variables are joined to the victim table. Doing so provides a victim-level table that can be summarized (for example, count or sums can be generated), while considering PARTY or CRASH variables. You must keep in mind that the party and crash variable will repeat for as many victims as there are.

## CODEBOOK

The SWITRS codebook provides a complete description of all the fields including the variable name and all possible values for the field.

If you want to download a Microsoft word version of the codebook, please [click here](#).

Last Update: 12/3/2018

## Collision Level

Item Name	Variable Name	Description	Values
Case Id	CASE_ID	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)	

Item Name	Variable Name	Description	Values
Collision Year	<b>ACCIDENT_YEAR</b>	the year when the collision occurred	
Processing Date	<b>PROC_DATE</b>	Date the record was processed	
Jurisdiction	<b>JURIS</b>	Jurisdiction	
Collision Date	<b>COLLISION_DATE</b>	the date when the collision occurred	
Collision Time	<b>COLLISION_TIME</b>	the time when the collision occurred (24 hour time)	Data may appear with no leading zero(s).
Officer Id	<b>OFFICER_ID</b>		
Reporting District	<b>REPORTING_DISTRICT</b>		
Day of Week	<b>DAY_OF_WEEK</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
CHP Shift	<b>CHP_SHIFT</b>		1 - 0600 thru 1359 2 - 1400 thru 2159 3 - 2200 thru 0559 4 - CHP Not Stated 5 - Not CHP
Population	<b>POPULATION</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
County City Location	<b>CNTY_CITY_LOC</b>	the location code of where the collision occurred	Data may appear with no leading zero.

Item Name	Variable Name	Description	Values
Special Condition	<b>SPECIAL_COND</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>BEAT_TYPE</b>		1 - CHP State Highway 2 - CHP County RoadLine 3 - CHP County RoadArea 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
CHP Beat Type	<b>CHP_BEAT_TYPE</b>		1 - Interstate 2 - US Highway 3 - State Route 4 - County RoadLine 5 - County RoadArea A - Safety Services Program Beats S - Administrative Beats (900's) 0 - Not CHP Contract City: 6 - US Highway 7 - State Route 8 - County RoadLine 9 - County RoadArea
City Division LAPD	<b>CITY_DIVISION_LAPD</b>	Includes blanks and dashes as not stated.	
CHP Beat Class	<b>CHP_BEAT_CLASS</b>		1 - CHP Primary 2 - CHP Other 0 - Not CHP

Item Name	Variable Name	Description	Values
Beat Number	BEAT_NUMBER		
Primary Rd	PRIMARY_RD	The road the collision occurred on	
Secondary Rd	SECONDARY_RD	A secondary reference road that DISTANCE and DIRECT are measured from	
Distance	DISTANCE	Offset distance from secondary road	distance converted to feet
Direction	DIRECTION	Direction of offset distance	N - North E - East S - South W - West - or blank - Not Stated in Intersection
Intersection	INTERSECTION	Indicates where a collision occurred at an intersection	Y - Intersection N - Not Intersection Blank - Not stated
Weather 1	WEATHER_1	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
Weather 2	WEATHER2	the weather condition at the time of the collision, if a second description is necessary	same as weather 1 above
State Highway Indicator	STATE_HWY_IND	Indicates whether a collision occurred on a state highway	Y - State Highway N - Not State Highway Blank - Not stated
Caltrans County	CALTRANS_COUNTY	Includes blanks and nulls	
Caltrans District	CALTRANS_DISTRICT		
State Route	STATE_ROUTE		0 - Not State Highway
Route Suffix	ROUTE_SUFFIX		
Postmile Prefix	POSTMILE_PREFIX		
Postmile	POSTMILE		
Location Type	LOCATION_TYPE		H - Highway I - Intersection R - Ramp (or Collector) - or blank - Not State Highway

Item Name	Variable Name	Description	Values
Ramp Intersection	RAMP_INTERSECTION		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	SIDE_OF_HWY	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	TOW_AWAY		Y - Yes N - No
Collision Severity	COLLISION_SEVERITY	the injury level severity of the collision (highest level of injury in collision)	1 - Fatal 2 - Injury (Severe) 3 - Injury (Other Visible) 4 - Injury (Complaint of Pain) 0 - Property Damage Only (PDO) (PDO collisions not included on TIMS)
Killed victims	NUMBER_KILLED	counts victims in the collision with degree of injury of 1	0 to N for each collision
Injured victims	NUMBER_INJURED	counts victims in the collision with degree of injury of 2, 3, or 4	0 to N for each collision
Party Count	PARTY_COUNT	counts total parties in the collision	1 to N for each collision
Primary Collision Factor	PRIMARY_COLL_FACTOR		A - (Vehicle) Code Violation B - Other Improper Driving C - Other Than Driver D - Unknown E - Fell Asleep - - Not Stated
PCF Violation Code	PCF_CODE_OF_VIOL		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

Item Name	Variable Name	Description	Values
PCF Violation Category	PCF_VIOL_CATEGORY		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
PCF Violation	PCF_VIOLATION	Corresponds to violcat categories and described in California Legislative Information website - ( <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	PCF_VIOL_SUBSECTION	Blank if no subsection.	
Hit And Run	HIT_AND_RUN		F - Felony M - Misdemeanor N - Not Hit and Run
Type of Collision	TYPE_OF_COLLISION		A - Head-On B - Sideswipe C - Rear End D - Broadside E - Hit Object F - Overturned G - Vehicle/Pedestrian H - Other - - Not Stated



Item Name	Variable Name	Description	Values
Motor Vehicle Involved With	MVIW		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	PED_ACTION		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
Road Surface	ROAD_SURFACE		A - Dry B - Wet C - Snowy or Icy D - Slippery (Muddy, Oily, etc.) - - Not Stated
Road Condition 1	ROAD_COND_1		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	ROAD_COND_2		same as road condition 1 above
Lighting	LIGHTING		A - Daylight B - Dusk - Dawn C - Dark - Street Lights D - Dark - No Street Lights E - Dark - Street Lights Not Functioning - - Not Stated
Control Device	CONTROL_DEVICE		A - Functioning B - Not Functioning C - Obscured D - None - - Not Stated

Item Name	Variable Name	Description	Values
CHP RoadType	CHP_ROAD_TYPE	May be blank	
Pedestrian Collision	PEDESTRIAN_ACCIDENT	indicates whether the collision involved a pedestrian	Y or blank
Bicycle Collision	BICYCLE_ACCIDENT	indicates whether the collision involved a bicycle	Y or blank
Motorcycle Collision	MOTORCYCLE_ACCIDENT	indicates whether the collision involved a motorcycle	Y or blank
Truck Collision	TRUCK_ACCIDENT	indicates whether the collision involved a big truck	Y or blank
Not Private Property	NOT_PRIVATE_PROPERTY	indicates whether the collision occurred on private property	Y or blank
Alcohol Involved	ALCOHOL_INVOLVED	indicates whether the collision involved a party that had been drinking	Y or blank
Statewide Vehicle Type At Fault	STWD_VEHTYPE_AT_FAULT	indicates the Statewide Vehicle Type of the party who is at fault	see Party folder Statewide Vehicle Type item
CHP Vehicle Type At Fault	CHP_VEHTYPE_AT_FAULT	indicates the CHP Vehicle Type of the party who is at fault	see Party folder CHP Vehicle Type Towing item
Severe Injury count	COUNT_SEVERE_INJ	counts victims in the collision with degree of injury of 2	0 to N for each collision
Other Visible Injury count	COUNT_VISIBLE_INJ	counts victims in the collision with degree of injury of 3	0 to N for each collision
Complaint of Pain Injury count	COUNT_COMPLAINT_PAIN	counts victims in the collision with degree of injury of 4	0 to N for each collision
Pedestrian Killed count	COUNT_PED_KILLED	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	COUNT_PED_INJURED	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	COUNT_BICYCLIST_KILLED	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	COUNT_BICYCLIST_INJURED	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	COUNT_MC_KILLED	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	COUNT_MC_INJURED	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

Item Name	Variable Name	Description	Values
Primary Ramp	PRIMARY_RAMP		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
Secondary Ramp	SECONDARY_RAMP		Same as above
CHP generated GPS latitude coordinate	LATITUDE	The latitude of the GPS position	
CHP generated GPS longitude coordinate	LONGITUDE	The longitude of the GPS position	
X Coordinate Location	POINT_X	The longitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84).	
Y Coordinate Location	POINT_Y	The latitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84).	
City	CITY		
County	COUNTY		

## Party Level

Item Name	Variable Name	Description	Values
Case Id	CASE_ID	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)	
Party Number	PARTY_NUMBER		1 to 999
Party Type	PARTY_TYPE		1 - Driver (including Hit and Run) 2 - Pedestrian 3 - Parked Vehicle 4 - Bicyclist 5 - Other - - Not Stated
At Fault	AT_FAULT	indicates whether the party was at fault in the collision	Y - Yes N - No - or blank - Not Stated

Item Name	Variable Name	Description	Values
Party Sex	<b>PARTY_SEX</b>	the code of the sex of the party	M - Male F - Female - - Not Stated
Party Age	<b>PARTY_AGE</b>	the age of the party at the time of the collision	0 to 125+ (998=UNKNOWN)
Party Sobriety	<b>PARTY_SOBRIETY</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>PARTY_DRUG_PHYSICAL</b>		E - Under Drug Influence F - Impairment - Physical H - Not Applicable I - Sleepy/Fatigued - - Not Stated
Direction Of Travel	<b>DIR_OF_TRAVEL</b>		N - North S - South E - East W - West - - Not Stated

Item Name	Variable Name	Description	Values
Party Safety Equipment 1	PARTY_SAFETY_EQUIP_1		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	PARTY_SAFETY_EQUIP_2		same as Party Safety Equipment 1 above
Financial Responsibility	FINAN_RESPONS		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	SP_INFO_1		A - Hazardous Materials - - Not Stated

Item Name	Variable Name	Description	Values
Special Information 2	SP_INFO_2	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	SP_INFO_3		E - School Bus Related (1/1/02) - - Not Stated (1/1/02)
OAF Violation Code	OAF_VIOLATION_CODE		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

Item Name	Variable Name	Description	Values
OAF Violation Category	OAF_VIOL_CAT		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

Item Name	Variable Name	Description	Values
OAF Violation Section	OAF_VIOL_SECTION		
OAF Violation Suffix	OAF_VIOLATION_SUFFIX		Blank may appear if no suffix.
Other Associated Factor 1	OAF_1		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 P - Inattention, Cell Phone (1/1/01) Q - Inattention, Electronic Equip.(1/1/01) R - Inattention, Radio/CD (1/1/01) S - Inattention, Smoking (1/1/01) T - Inattention, Eating (1/1/01) U - Inattention, Children (1/1/01) V - Inattention, Animal (1/1/01) W - Inattention, Personal Hygiene (1/1/01) X - Inattention, Reading (1/1/01) Y - Inattention, Other (1/1/01) - - Not Stated
Other Associated Factor 2	OAF_2		same as OAF 1 above
Party Number Killed	PARTY_NUMBER_KILLED	counts victims in the party with degree of injury of 1	0 to N for each party
Party Number Injured	PARTY_NUMBER_INJURED	counts victims in the party with degree of injury of 2, 3, or 4	0 to N for each party



Item Name	Variable Name	Description	Values
Movement Preceding Collision	MOVE_PRE_ACC		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	VEHICLE_YEAR	the model year of the party's vehicle	9999 or blank = not stated
Vehicle Make	VEHICLE_MAKE	the full description of the make of the party's vehicle	
Statewide Vehicle Type	STWD_VEHICLE_TYPE		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	CHP_VEH_TYPE_TOWING		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

Item Name	Variable Name	Description	Values
			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 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

Item Name	Variable Name	Description	Values
			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 - Hazardous Waste or Waste/Material Combo 83 - Pickups and Campers - Hazardous Waste or Waste/Material Combo 85 - Truck Tractor - Hazardous Waste or Waste/Material Combo 86 - Two-Axle Truck - Hazardous Waste or Waste/Material Combo 87 - Three or More Axle Truck - Hazardous Waste or Waste/Material Combo 88 - Two-Axle Tank Truck - Hazardous Waste or Waste/Material Combo 89 - Three-Axle Tank Truck - Hazardous Waste or Waste/Material Combo 94 - Motorized Transportation Device 95 - Miscellaneous Non-Motorized Vehicle (Ridden Animal, Animal-Drawn)

Item Name	Variable Name	Description	Values
			Conveyance, Train, Or Building) With Victim 96 - Miscellaneous Motorized Vehicle (Golf Cart) 97 - Low Speed Vehicle 99 or dash - Not Stated or Unknown (Hit and Run)
CHP Vehicle Type Towed	CHP_VEH_TYPE_TOWED		same as CHP vehicle type towing above with the following additions: 28 - Semi-Tank Trailer 29 - Pull-Tank Trailer 30 - Two-Tank Trailer 31 - Semi-Trailer 32 - Pull Trailer (includes dolly) 33 - Two Trailers (or 31 + 32) 34 - Boat Trailer 35 - Utility Trailer 36 - Trailer Coach 37 - Extralegal Permit Load 38 - Pole, Pipe, or Logging Dolly 39 - Three Trailers (or 31 + 33) 40 - Federally Legal Semi-Trailer 52 - Federally Legal Double Cargo Combo (over 75 ft) 53 - Fifth Wheel Trailer 54 - Container Chassis 98 - Emergency Vehicle on an Emergency Run
Party Race	RACE		A - Asian O - Other B - Black W - White H - Hispanic Blank - Not stated Eff. 1/1/2002
Inattention	INATTENTION	The July 2003 form revision separated 'P' Cell Phone into 'A' Handheld and 'B' Handsfree. All other values 'Q' through 'Y' were converted to 'C' through 'K'.	A - Cell Phone Handheld (7/1/03) B - Cell Phone Handsfree (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 Info F	SPECIAL_INFO_F		F - 75 ft Motor Truck Combo -- Not Stated
Special Info G	SPECIAL_INFO_G		G - 32 ft Trailer Combo -- Not Stated

# Victim Level

Item Name	Variable Name	Description	Values
Case Id	CASE_ID	the unique identifier of the collision report (barcode beginning 2002; 19 digit code prior to 2002)	
Party Number	PARTY_NUMBER		1 to 999
Victim Role	VICTIM_ROLE		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	VICTIM_SEX		M - Male F - Female - - Not Stated
Victim Age	VICTIM_AGE	the age of the victim at the time of the collision	0 - 125 998 - Not Stated 999 - Fatal Fetus
Victim Degree of Injury	VICTIM_DEGREE_OF_INJURY		1 - Killed 2 - Severe Injury 3 - Other Visible Injury 4 - Complaint of Pain 5 - Suspected Serious Injury 6 - Suspected Minor Injury 7 - Possible Injury 0 - No Injury
Victim Seating Position	VICTIM_SEATING_POSITION		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

Item Name	Variable Name	Description	Values
Victim Safety Equipment 1	VICTIM_SAFETY_EQUIP_1		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	VICTIM_SAFETY_EQUIP_2		same as Victim Safety Equipment 1 above (eff. Jan 2002)
Victim Ejected	VICTIM_EJECTED		0 - Not Ejected 1 - Fully Ejected 2 - Partially Ejected 3 - Unknown - - Not Stated
Victim Number	VICTIM_NUMBER	the unique identifier of the victim	