**SWITRS Codebook**

**SWITRS Crash Raw Data Export Layout**

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| --- | --- | --- | --- | --- | --- |
| **Item Name** | **Variable Name** | **Previous Variable Name** | **Datatype****(Length)** | **Description** | **Possible Values** |
| Case Id | **CASE\_ID** | CASEID | Varchar2(19) | The unique identifier of the crash case(barcode beginning 2002; 19 digit code prior to 2002) |  |
| Crash Year | **ACCIDENT\_YEAR** | YEAR\_ | Number(4) | The year when the crash occurred |  |
| Process Date | **PROC\_DATE** | PROCDATE | Number(8) | The date that the crash case was last changed (YYYYMMDD) |  |
| Jurisdiction | **JURIS** | JURIS | Number(4) | Law enforcement agency that has jurisdiction over the crash. For allied agency, it is a four character subset of the "NCIC number" assigned by the FBI. For the CHP, it is 9 followed by a three-digit area number. |  |
| Crash Date | **COLLISION\_DATE** | DATE\_ | Number(8) | The date when the crash occurred (YYYYMMDD) |  |
| Crash Time | **COLLISION\_TIME** | TIME\_ | Number(4) | The time when the crash occurred in 24 hour military time. Unknown time is coded as 2500-2559. (24 hour time) | Data may appear with no leading zero(s). |
| Officer Id | **OFFICER\_ID** | BADGE | Varchar2(8) | The badge number of the officer who wrote the crash report. |  |
| Reporting District | **REPORTING\_DISTRICT** | JURIDIST | Varchar2(5) | Value of the field "reporting district on the crash report. |  |
| Day of Week | **DAY\_OF\_WEEK** | DAYWEEK | Char(1) | The code for the day of the week when the crash occurred | 1 - Monday2 - Tuesday3 - Wednesday4 - Thursday5 - Friday6 - Saturday7 - Sunday |
| CHP Shift | **CHP\_SHIFT** | SHIFT | Char(1) | CHP shift at the time of the crash  | 1 - 0600 thru 13592 - 1400 thru 21593 - 2200 thru 05594 - CHP Not Stated5 - Not CHP |
| Population | **POPULATION** | POP | Char(1) | Deprecated. See notesi.  |  |
| County City Location | **CNTY\_CITY\_LOC** | LOCATION | Varchar2(4) | The city or unincorporated county where the crash occurred.  | Data may appear with no leading zero. |
| Special Condition | **SPECIAL\_COND** | SPECIAL | Char(1) | A computed value. 0 means not private property. | 1 - Schoolbus on Public Roadway (CHP Beat or CHP Adm Beat 901)2 - State University (Also San Francisco International Airport)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 | **BEAT\_TYPE** | BEATTYPE | Char(1) | Location of crash based on beat.  | 1 - CHP State Highway2 - CHP County Road Line3 - CHP County Road Area4 - 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 | **CHP\_BEAT\_TYPE** | CHPTYPE | Char(1) | Location of crash based on beat.  | 1 - Interstate2 - US Highway3 - State Route4 - County Road Line5 - County Road AreaA - Safety Services Program BeatsS - Administrative Beats (900’s)0 - Not CHPContract City:6 - US Highway7 - State Route8 - County Road Line9 - County Road Area |
| City Division LAPD | **CITY\_DIVISION\_LAPD** | LAPDDIV | Char(1) | Deprecated. See notesii. |  |
| CHP Beat Class | **CHP\_BEAT\_CLASS** | BEATCLAS | Char(1) | Location of crash based on beat.  | 1 - CHP Primary2 - CHP Other0 - Not CHP |
| Beat Number | **BEAT\_NUMBER** | BEATNUMB | Varchar2(6) | Beat of the officer who reported the crash. |  |
| Primary Rd | **PRIMARY\_RD** | PRIMARYRD | Varchar2(50) | The name of roadway on which the crash occurred |  |
| Secondary Rd | **SECONDARY\_RD** | SECONDRD | Varchar2(50) | The name of the roadway that intersects the primary roadway |  |
| Distance | **DISTANCE** | DISTANCE | Number(9,2) | Distance of the crash from the intersection with the secondary roadway in feet |  |
| Direction | **DIRECTION** | DIRECT | Char(1) | Direction of the crash from the intersection with the secondary roadway. | N - NorthE - EastS - SouthW - West- or blank - Not Stated, in Intersection |
| Intersection | **INTERSECTION** | INTERSECT\_ | Char(1) | A flag that denotes if the crash occurred at the intersection with the secondary roadway | Y - IntersectionN - Not IntersectionBlank - Not stated |
| Weather 1 | **WEATHER\_1** | WEATHER1 | Char(1) | Weather condition at the time of the crash | A - ClearB - CloudyC - RainingD - SnowingE - FogF - OtherG - Wind - - Not Stated |
| Weather 2 | **WEATHER\_2** | WEATHER2 | Char(1) | Additional weather condition at the time of the crash | same as weather 1 above |
| State Highway Indicator | **STATE\_HWY\_IND** | STATEHW | Char(1) | A flag to indicate whether the crash is on or near a state highway. See notesiii. | Y - State HighwayN - Not State HighwayBlank - Not stated |
| Caltrans County | **CALTRANS\_COUNTY** | CALTRANC | Char(3) | Deprecated. See notesiv.  |  |
| Caltrans District | **CALTRANS\_DISTRICT** | CALTRAND | Number(2) | Deprecated. See above. |  |
| State Route | **STATE\_ROUTE** | STROUTE | Number(3) | Deprecated. See above. | 0 = Not State Highway |
| Route Suffix | **ROUTE\_SUFFIX** | ROUTESUF | Char(1) | Deprecated. See above. |  |
| Postmile Prefix | **POSTMILE\_PREFIX** | POSTPRE | Char(1) | Deprecated. See above. |  |
| Postmile | **POSTMILE** | POSTMILE | Number(6,3) | Deprecated. See above. |  |
| Location Type | **LOCATION\_TYPE** | LOCATYPE | Char(1) | Deprecated. See above. | H - HighwayI - IntersectionR - Ramp (or Collector)- or blank - Not State Highway |
| Ramp Intersection | **RAMP\_INTERSECTION** | RAMP | Char(1) | Deprecated. See above. | 1 - Ramp Exit, Last 50 Feet2 - Mid-Ramp3 - Ramp Entry, First 50 Feet4 - Not State Highway, Ramp-related, Within 100 Feet5 - Intersection6 - Not State Highway, Intersection-related, Within 250 Feet7 - Highway8 - Not State Highway- - Not Stated |
| Side Of Highway | **SIDE\_OF\_HWY** | SIDEHW | Char(1) | 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 - NorthboundS - SouthboundE - EastboundW - WestboundBlank - Not stated/not state highway |
| Tow Away | **TOW\_AWAY** | TOWAWAY | Char(1) | A flag to indicate whether the vehicle was towed away from the crash scene. | Y - YesN - No |
| Crash Severity | **COLLISION\_SEVERITY** | CRASHSEV | Char(1) | The worst injury suffered by any victim in the crash. | 1 - Fatal injury2 - Suspected serious injury or severe injury3 - Suspected minor injury or visible injury4 - Possible injury or complaint of pain0 - No injury, also known as "property damage only" or PDO (PDO crashes not included on TIMS). |
| Killed victims | **NUMBER\_KILLED** | KILLED | Number(3) | Number of killed victims  | 0 to N for each crash |
| Injured victims | **NUMBER\_INJURED** | INJURED | Number(3) | Number of injured victims  | 0 to N for each crash |
| Party Count | **PARTY\_COUNT** | PARTIES | Number(3) | Number of parties involved in the crash. Note: a vehicle counts as one party regardless of the number of occupants. | 1 to N for each crash |
| Primary Crash Factor | **PRIMARY\_COLL\_FACTOR** | PCF | Char(1) | The primary cause of the crash  | A - Code ViolationB - Other Improper DrivingC - Other Than DriverD - UnknownE - Fell Asleep- - Not Stated |
| PCF Violation Code | **PCF\_CODE\_OF\_VIOL** | VIOLCODE | Char(1) | The law code that was violated and was the primary cause of the crash. Note: Vehicle Code is usually omitted. | B - Business and ProfessionsC - VehicleH - City Health and SafetyI - City OrdinanceO - County OrdinanceP - PenalS - Streets and HighwaysW - Welfare and Institutions- - Not Stated |
| PCF Violation Category | **PCF\_VIOL\_CATEGORY** | VIOLCAT | Char(2) | A value computed from the law section that was given as the primary cause of the crash.  | 01 - Driving or Bicycling Under the Influence of Alcohol or Drug02 - Impeding Traffic03 - Unsafe Speed04 - Following Too Closely05 - Wrong Side of Road06 - Improper Passing07 - Unsafe Lane Change08 - Improper Turning09 - Automobile Right-of-Way10 - Pedestrian Right-of-Way11 - Pedestrian Violation12 - Traffic Signals and Signs13 - Hazardous Parking14 - Lights15 - Brakes16 - Other Equipment17 - Other Hazardous Violation18 - Other Than Driver (or Pedestrian)19 -20 -21 - Unsafe Starting or Backing22 - Other Improper Driving23 - Pedestrian or "Other" Under the Influence of Alcohol or Drug24 - Fell Asleep00 - Unknown- - Not Stated |
| PCF Violation | **PCF\_VIOLATION** | VIOL | Number (5) | The law section given as the primary cause of the crash. The subsection is in the data element pcf\_viol\_subsection  |  |
| PCF Violation Subsection | **PCF\_VIOL\_SUBSECTION** | VIOLSUB | Char(1) | The subsection of the law section given as the primary cause of the crash in the data element pcf\_violation  | Blank if no subsection. |
| Hit And Run | **HIT\_AND\_RUN** | HITRUN | Char(1) | A flag to indicate the severity of hit -and-run crash. Felony hit-and-run resulted in injury or death to other parties. Misdemeanor hit-and-run did not result in injury or death to other parties. | F - FelonyM - MisdemeanorN - Not Hit and Run |
| Type of Crash | **TYPE\_OF\_COLLISION** | CRASHTYP | Char(1) | The general type of crash as determined by the first injury or damage-causing event.  | A - Head-OnB - SideswipeC - Rear EndD - BroadsideE - Hit ObjectF - OverturnedG - Vehicle/PedestrianH - Other- - Not Stated |
| Motor Vehicle Involved With | **MVIW** | INVOLVE | Char(1) | Describes what, in conjunction with a motor vehicle in-transport, produced the first injury or damage-causing event, on or off the road. | A - Non-CollisionB - PedestrianC - Other Motor VehicleD - Motor Vehicle on Other RoadwayE - Parked Motor VehicleF - TrainG - BicycleH - AnimalI - Fixed ObjectJ - Other Object0 - Non-Collision and Additional Object1 - Pedestrian and Additional Object2 - Other Motor Vehicle and Additional Object3 - Motor Vehicle on Other Roadway and Additional Object4 - Parked Motor Vehicle and Additional Object5 - Train and Additional Object6 - Bicycle and Additional Object7 - Animal and Additional Object8 - Fixed Object and Additional Object9 - Other Object and Additional Object- - Not Stated |
| Ped Action | **PED\_ACTION** | PED | Char(1) | The action just prior to the crash of the first pedestrian injured or otherwise involved.  | A - No Pedestrian InvolvedB - Crossing in Crosswalk at IntersectionC - Crossing in Crosswalk Not at IntersectionD - Crossing Not in CrosswalkE - In Road, Including ShoulderF - Not in RoadG - Approaching/Leaving School Bus- - Not Stated |
| Road Surface | **ROAD\_SURFACE** | ROADSURF | Char(1) | Roadway surface condition at the time of the crash in the traffic lane(s) involved. | A - DryB - WetC - Snowy or IcyD - Slippery (Muddy, Oily, etc.)- - Not Stated |
| Road Condition 1 | **ROAD\_COND\_1** | RDCOND1 | Char(1) | Roadway condition at the time of the crash in the traffic lane(s) involved.  | A - Holes, Deep RutsB - Loose Material on RoadwayC - Obstruction on RoadwayD - Construction or Repair ZoneE - Reduced Roadway WidthF - FloodedG - OtherH - No Unusual Condition- - Not Stated |
| Road Condition 2 | **ROAD\_COND\_2** | RDCOND2 | Char(1) | Second roadway condition at the time of the crash in the traffic lane(s) involved.  | same as road condition 1 above |
| Lighting | **LIGHTING** | LIGHTING | Char(1) | Lighting conditions at the crash location and the time of the crash. | A - DaylightB - Dusk - DawnC - Dark - Street LightsD - Dark - No Street LightsE - Dark - Street Lights Not Functioning- - Not Stated |
| Control Device | **CONTROL\_DEVICE** | RIGHTWAY | Char(1) | Presence and condition of crash related traffic control devices at the time of the crash. Control devices include regulatory, warning, and construction signs. This excludes striping and officers or other persons directing traffic. | A - FunctioningB - Not FunctioningC - ObscuredD - None- - Not Stated |
| CHP Road Type | **CHP\_ROAD\_TYPE** | CHPRDTYP | Char(1) | Deprecated. See notesv.  |  |
| Pedestrian Crash | **PEDESTRIAN\_ACCIDENT** | PEDCOL | Char(1) | Indicates whether the crash involved a pedestrian | Y or blank |
| Bicycle Crash | **BICYCLE\_ACCIDENT** | BICCOL | Char(1) | Indicates whether the crash involved a bicycle | Y or blank |
| Motorcycle Crash | **MOTORCYCLE\_ACCIDENT** | MCCOL | Char(1) | Indicates whether the crash involved a motorcycle | Y or blank |
| Truck Crash | **TRUCK\_ACCIDENT** | TRUCKCOL | Char(1) | Indicates whether the crash involved a big truck | Y or blank |
| Not Private Property | **NOT\_PRIVATE\_PROPERTY** | NOTPRIV | Char(1) | Y indicates that the crash did not occur on private property | Y or blank |
| Alcohol Involved | **ALCOHOL\_INVOLVED** | ETOH | Char(1) | Indicates whether the crash involved a party that had been drinking. Note: a passenger does not count as a party. | Y or blank |
| Statewide Vehicle Type At Fault | **STWD\_VEHTYPE\_AT\_FAULT** | STFAULT | Char(1) | 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** | CHPFAULT | Char(2) | 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** | SEVINJ | Number(3) | Number of victims in the crash with suspected serious injury or severe injury | 0 to N for each crash |
| Other Visible Injury count | **COUNT\_VISIBLE\_INJ** | OTHERINJ | Number(3) | Number of victims in the crash with suspected minor injury or visible injury | 0 to N for each crash |
| Complaint of Pain Injury count | **COUNT\_COMPLAINT\_PAIN** | COP | Number(3) | Number of victims in the crash with possible injury or complaint of pain | 0 to N for each crash |
| Pedestrian Killed count | **COUNT\_PED\_KILLED** | PEDKILL | Number(3) | Number of killed pedestrian victims  | 0 or 1 for each crash |
| Pedestrian Injured count | **COUNT\_PED\_INJURED** | PEDINJ | Number(3) | Number of injured pedestrian victims  | 0 or 1 for each crash |
| Bicyclist Killed count | **COUNT\_BICYCLIST\_KILLED** | BICKILL | Number(3) | Number of killed bicyclists  | 0 to N for each crash |
| Bicyclist Injured count | **COUNT\_BICYCLIST\_INJURED** | BICINJ | Number(3) | Number of injured bicyclists  | 0 to N for each crash |
| Motorcyclist Killed count | **COUNT\_MC\_KILLED** | MCKILL | Number(3) | Number of killed motorcyclists  | 0 to N for each crash |
| Motorcyclist Injured count | **COUNT\_MC\_INJURED** | MCINJURE | Number(3) | Number of injured motorcyclists  | 0 to N for each crash |
| Primary Ramp | **PRIMARY\_RAMP** | RAMP1 | Varchar2(2) | A description of the ramp, if any, on primary roadway. This value is computed by the key operator from information on the crash report. | 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 | **SECONDARY\_RAMP** | RAMP2 | Varchar2(2) | A description of the ramp, if any, on secondary roadway. This value is computed by the key operator from information on the crash report. | Same as primary\_ramp |
| CHP generated GPS latitude coordinate | **LATITUDE** | X\_CHP |  | Latitude of the crash location in decimal degrees. The decimal point is included. LATITUDE and LONGITUDE are from the crash report. |  |
| CHP generated GPS longitude coordinate | **LONGITUDE** | Y\_CHP |  | Longitude of the crash location in decimal degrees. The decimal point is included. There is no minus sign. The longitude is understood to be west of meridian. LATITUDE and LONGITUDE are from the crash report. |  |
| Local Report Number | **local\_report\_number**  |  |  | The report number assigned by the reporting agency to the crash report |  |
| X-Coordinate Location | **POINT\_X**  | POINT\_X  | Double | The longitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84). POINT\_X and POINT\_Y are generated using the geocoding process by UC Berkeley SafeTREC |  |
| Y-Coordinate Location | **POINT\_Y**  | POINT\_Y  | Double | The latitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84). POINT\_X and POINT\_Y are generated using the geocoding process by UC Berkeley SafeTREC. |  |
| City | **CITY**  | CITY  | Varchar(30) |  |  |
| County | **COUNTY**  | COUNTY  | Varchar(30) |  |  |

**SWITRS Party Raw Data Export Layout**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case Id | **CASE\_ID** | caseid | Varchar2(19) | The unique identifier of the crash case |  |
| Party Number | **PARTY\_NUMBER** | parnum | Number(3) | A number that together with the case\_id uniquely identifies a party in a crash. | 1 to 999 |
| Party Type | **PARTY\_TYPE** | ptype | Char(1) | Involved party type  | 1 - Driver (including Hit and Run)2 - Pedestrian3 - Parked Vehicle4 - Bicyclist5 - Other6 - Operator- - Not Stated |
| At Fault | **AT\_FAULT** | atfault | Char(1) | Indicates whether the party was at fault in the crash | Y - At faultN - Not at fault- or blank - Not Stated  |
| Party Sex | **PARTY\_SEX** | psex | Char(1) | The gender of the party  | M - MaleF - FemaleX - Nonbinary- - Not Stated |
| Party Age | **PARTY\_AGE** | page | Number(3) | The age of the party at the time of the crash | 0 - 100+ 998 - Not Stated |
| Party Sobriety | **PARTY\_SOBRIETY** | psober | Char(1) | The state of sobriety of the party  | A - Had Not Been DrinkingB - Had Been Drinking, Under InfluenceC - Had Been Drinking, Not Under InfluenceD - Had Been Drinking, Impairment UnknownG - Impairment UnknownH - Not Applicable- - Not Stated |
| Party Drug Physical | **PARTY\_DRUG\_PHYSICAL** | pdrug | Char(1) | The state of the party with regard to drugs and physical condition | E - Under Drug InfluenceF - Impairment - PhysicalH - Not ApplicableI - Sleepy/Fatigued- - Not Stated |
| Direction Of Travel | **DIR\_OF\_TRAVEL** | pdirect | Char(1) | Direction that the party was traveling at the time of the crash. The direction is the direction of the highway, not the compass direction. For example, I-5 direction is N or S even though near Sacramento International Airport its compass direction is east-west. | N - NorthS - SouthE - EastW - West- - Not Stated |
| Party Safety Equipment 1 | **PARTY\_SAFETY\_EQUIP\_1** | psafety1 | Char(1) | The safety equipment of the party  | A - None in VehicleB - UnknownC - Lap Belt UsedD - Lap Belt Not UsedE - Shoulder Harness UsedF - Shoulder Harness Not UsedG - Lap/Shoulder Harness UsedH - Lap/Shoulder Harness Not UsedJ - Passive Restraint UsedK - Passive Restraint Not UsedL - Air Bag DeployedM - Air Bag Not DeployedN - OtherP - Not RequiredQ - Child Restraint in Vehicle UsedR - Child Restraint in Vehicle Not UsedS - Child Restraint in Vehicle, Use UnknownT - Child Restraint in Vehicle, Improper UseU - No Child Restraint in VehicleV - Driver, Motorcycle Helmet Not UsedW - Driver, Motorcycle Helmet UsedX - Passenger, Motorcycle Helmet Not UsedY - Passenger, Motorcycle Helmet Used- or blank - Not Stated |
| Party Safety Equipment 2 | **PARTY\_SAFETY\_EQUIP\_2** | psafety2 | Char(1) | The safety equipment of the party  | same as Party Safety Equipment 1 above |
| Financial Responsibility | **FINAN\_RESPONS** | insured | Char(1) | Financial responsibility of the party  | N - No Proof of Insurance ObtainedY - Yes, Proof of Insurance ObtainedO - 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 crash prior to obtaining the insurance informationBlank - not stated |
| Special Information 1 | **SP\_INFO\_1** | hazard | Char(1) | Value A indicates that the crash involved a vehicle known to be, or believed to be, transporting a hazardous material as defined in CVC Section 353, whether or not the crash involved a Hazardous Material Incidentvi. | A - Hazardous Materials- - Not Stated |
| Special Information 2 | **SP\_INFO\_2** | cell | Char(1) | Cell phone  | 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)1 - Cell Phone Handheld in Use 2 - Cell Phone Handsfree in Use 3 - Cell Phone Not in Use 4 - Cell Phone Use Unknown- - Not Stated |
| Special Information 3 | **SP\_INFO\_3** | sbus | Char(1) | Value E indicates that the crash involved a motor vehicle in-transport passing a stopped school bus with its red signal lamps in operation, pursuant to CVC Section 22112, or reacting to, pursuant to CVC Section 22454vii. | E - School Bus Related (1/1/02)- - Not Stated (1/1/02) |
| OAF Violation Code | **OAF\_VIOLATION\_CODE** | pviolcod | Char(1) | Other associated factor law code violated | B - Business and ProfessionsC - VehicleH - City Health and SafetyI - City OrdinanceO - County OrdinanceP - PenalS - Streets and HighwaysW - Welfare and Institutions- - Not Stated |
| OAF Violation Category | **OAF\_VIOL\_CAT** | pviolcat | Char(2) | Category of the factor that contributed to the crash but was not the primary cause of the crash. | 01 - Under Influence in Public (647F)02 - County Ordinance03 - City Ordinance05 - Business/Professions Code06 - Felony Penal Code08 - Controlled Substances (Felony Health and Safety)09 - Health/Safety Code (Misdemeanor)10 - Penal Code (Misdemeanor)11 - Streets/Highways Code13 - Welfare/Institutions Code15 - Manslaughter16 - Non-Vehicle Code Not Specified Above17 - Fish & Game Code18 - Agriculture Code19 - Hit and Run20 - Driving or Bicycling Under the Influence of Alcohol or Drug21 - Improper Lane Change22 - Impeding Traffic23 - Failure to Heed Stop Signal24 - Failure to Heed Stop Sign25 - Unsafe Speed26 - Reckless Driving27 - Wrong Side of Road28 - Unsafe Lane Change29 - Improper Passing30 - Following Too Closely31 - Improper Turning33 - Automobile Right-of-Way34 - Pedestrian Right-of-Way35 - Pedestrian Violation37 -38 - Hazardous Parking39 - Lights40 - Brakes43 - Other Equipment44 - Other Hazardous Movement46 - Improper Registration47 - Other Non-Moving Violation48 - Excessive Smoke49 - Excessive Noise50 - Overweight51 - Oversize52 - Over Maximum Speed53 - Unsafe Starting or Backing60 - Off-Highway Vehicle Violation61 - Child Restraint62 - Seat Belt63 - Seat Belt (Equipment)00 or Blank - Not Stated |
| OAF Violation Section | **OAF\_VIOL\_SECTION** | pviol | Number(5) | The CVC section of the secondary violation that contributed to the crash. |  |
| OAF Violation Suffix | **OAF\_VIOLATION\_SUFFIX** | pviolsuf | Char(1) | The subsection of the CVC section of the secondary violation that contributed to the crash. | Blank if no suffix. |
| Other Associated Factor 1 | **OAF\_1** | oaf1 | Char(1) | A factor that contributed to the crash but was not the primary cause of the crash. | A - ViolationE - Vision ObscurementsF - Inattention (beginning 1/1/01, inattention not stated)G - Stop and Go TrafficH - Entering/Leaving RampI - Previous CrashJ - Unfamiliar With RoadK - Defective Vehicle EquipmentL - Uninvolved VehicleM - OtherN - None ApparentO - Runaway VehicleP - 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** | oaf2 | Char(1) | A factor that contributed to the crash but was not the primary cause of the crash. | same as OAF 1 above |
| Party Number Killed | **PARTY\_NUMBER\_KILLED** | pkilled | Number(3) | Number of killed victims in the party  | 0 to N for each party |
| Party Number Injured | **PARTY\_NUMBER\_INJURED** | pinjured | Number(3) | Number of injured victims in the party  | 0 to N for each party |
| Movement Preceding Crash | **MOVE\_PRE\_ACC** | movement | Char(1) | The action of the vehicle prior to the crash and before evasive action. This movement does not have to correspond with the PCFviii. | A - StoppedB - Proceeding StraightC - Ran Off RoadD - Making Right TurnE - Making Left TurnF - Making U-TurnG - BackingH - Slowing/StoppingI - Passing Other VehicleJ - Changing LanesK - Parking ManeuverL - Entering TrafficM - Other Unsafe TurningN - Crossed Into Opposing LaneO - ParkedP - MergingQ - Traveling Wrong WayR - OtherS - Lane splitting - - Not Stated |
| Vehicle Year | **VEHICLE\_YEAR** | vehyear | Number(4) | The model year of the party's vehicle | 9999 or blank = not stated |
| Vehicle Make | **VEHICLE\_MAKE** | vehmake | Varchar2(50) | The make of the party's vehicle  |  |
| Statewide Vehicle Type | **STWD\_VEHICLE\_TYPE** | vehtype | Char(1) | Type of the party's vehicle according to a list called "statewide vehicle type" | A - Passenger Car/Station WagonB - Passenger Car with TrailerC - Motorcycle/ScooterD - Pickup or Panel TruckE - Pickup or Panel Truck with TrailerF - Truck or Truck TractorG - Truck or Truck Tractor with TrailerH - School BusI - Other BusJ - Emergency VehicleK - Highway Construction EquipmentL - BicycleM - Other VehicleN - PedestrianO - Moped- or blank - Not Stated |
| CHP Vehicle Type Towing | **CHP\_VEH\_TYPE\_TOWING** | chptype1 | Char(2) | The type of the solitary vehicle or the tractor unit according to the CHP manual HPM 110.5 Chapter 3 Annex F Vehicle Type Codes. | 00 - Not CHP01 - Passenger Car, Station Wagon, or Jeep02 - Motorcycle03 - Motor-Driven Cycle (< 15 hp)04 - Bicycle05 - Motorized Bicycle06 - All-Terrain Vehicle (ATV)07 - Sport Utility Vehicle08 - Minivan09 - Paratransit Bus10 - Tour Bus11 - Other Commercial Bus12 - Non-Commercial Bus13 - Schoolbus Public I (eff. 2002)14 - Schoolbus Public II (eff. 2002)15 - Schoolbus Private I (eff. 2002)16 - Schoolbus Private II (eff. 2002)17 - Schoolbus Contractual I (eff. 2002)18 - Schoolbus Contractual II (eff. 2002)19 – General Public Paratransit Vehicle (eff 200220 - Public Transit Authority21 - Two-Axle Tank Truck22 - Pickup or Panel Truck23 - Pickup Truck With Camper24 - Three-Axle Tank Truck25 - Truck Tractor26 - Two-Axle Truck27 - Three-Axle Truck28 - Semi-Tank Trailer29 - Pull-Tank Trailer30 - Two-Tank Trailer31 - Semi-Trailer32 - Pull Trailer (includes dolly)33 - Two Trailers (includes semi and trailer)34 - Boat Trailer35 - Utility Trailer36 - Trailer Coach37 - Oversize Vehicle/Load38 - Pole, Pipe, or Logging Dolly39 - Three Trailers (includes semi and two trailers)40 - Semi 48 or Less with King Pin to Trailer Axle of over 3841 - Ambulance42 - Dune Buggy43 - Fire Truck (not rescue)44 - Forklift45 - Highway Construction Equipment (only while not in construction area)46 - Implement of Husbandry47 - 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 Equipment51 - Farm Labor Vehicle (certified)52 - Federally Legal Double Cargo Combo over 75 long53 - 5th Wheel Trailer54 - Container Chassis55 - Two-Axle Tow Truck56 - Three-Axle Tow Truck57 - Farm Labor Vehicle (non-certified)58 - Farm Labor Transporter59 - 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 200263 - "Youth" Bus64 - School Pupil Activity Bus I (eff. 2002)65 - School Pupil Activity Bus II (eff. 2002) 66 – School Bus – No Pupils on Board (eff 2002)71 - Passenger Car - Hazardous Materials Only72 - Pickups and Panels - Hazardous Materials Only73 - Pickups and Campers - Hazardous Materials Only75 - Truck Tractor - Hazardous Materials Only76 - Two-Axle Truck - Hazardous Materials Only77 - Three or More Axle Truck - Hazardous Materials Only78 - Two-Axle Tank Truck - Hazardous Materials Only79 - Three-Axle Tank Truck - Hazardous Materials Only81 - Passenger Car - Hazardous Waste or Waste/Material Combo82 - Pickups and Panels - Hazardous Waste or Waste/Material Combo83 - Pickups and Campers - Hazardous Waste or Waste/Material Combo85 - Truck Tractor - Hazardous Waste or Waste/Material Combo86 - Two-Axle Truck - Hazardous Waste or Waste/Material Combo87 - Three or More Axle Truck - Hazardous Waste or Waste/Material Combo88 - Two-Axle Tank Truck - Hazardous Waste or Waste/Material Combo89 - Three-Axle Tank Truck - Hazardous Waste or Waste/Material Combo91 - Electric Bicycle (Class 1, 2, 3)93 - Electrically Motorized Board94 - Motorized Transportation Device95 - Miscellaneous Non-Motorized Vehicle(Ridden Animal, Animal-Drawn Conveyance, Train, Or Building) With Victim96 - Miscellaneous Motorized Vehicle (Golf Cart)97 - Low Speed Vehicle98 – Emergency Vehicle on Emergency Run99 or dash - Not Stated or Unknown (Hit and Run) |
| CHP Vehicle Type Towed | **CHP\_VEH\_TYPE\_TOWED** | chptype2 | Char(2) | The type of the first trailer unit according to the CHP manual HPM 110.5 Chapter 3 Annex F Vehicle Type Codes. | same as CHP vehicle type towing above |
| Party Race | **RACE** | prace | Char(1) | The party’s race based on the reporting officer's judgment. | A - Asian B - Black H - Hispanic O - Other W - White Blank - Not stated  |
| Inattention | **INATTENTION** |  | Char(1) | Type of inattention  | A – Cell Phone Handheld(7/1/03)B – Cell Phone Handsfree ((7/1/03)C – Electronic Equipment (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** |  | Char(1) | The value F indicates that the party's vehicle is a 75 ft Motor Truck Combo. The current crash report form no longer has a box to indicate this. | F - 75 ft Motor Truck Combo- - Not Stated |
| Special Info G | **SPECIAL\_INFO\_G** |  | Char(1) | The value G indicates that the party's vehicle is a 32 ft Trailer Combo. The current crash report form no longer has a box to indicate this. | G - 32 ft Trailer Combo- - Not Stated |
| Local Report Number | **local\_report\_number** |  |  | The report number assigned by the reporting agency to the crash report |  |

**SWITRS Victim Raw Data Export Layout**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case Id | **CASE\_ID** | caseid | Varchar2(19) | The unique identifier of the crash case |  |
| Party Number | **PARTY\_NUMBER** | parnum | Number (3) | The unique identifier of the party in the crash that this victim belongs to | 1 to 999 |
| Victim Role | **VICTIM\_ROLE** | vtype | Char(1) | The role of the victim  | 1 - Driver2 - Passenger (includes non-operator on bicycle or any victim on/in parked vehicle or multiple victims on/in non-motor vehicle)3 - Pedestrian4 - Bicyclist5 - Other (single victim on/in non-motor vehicle; e.g. ridden animal, horse-drawn carriage, train, or building)6 - Operator |
| Victim Sex | **VICTIM\_SEX** | vsex | Char(1) | The gender of the victim  | M - MaleF - FemaleX - Nonbinary - - Not Stated |
| Victim Age | **VICTIM\_AGE** | vage | Number(3) | The age of the victim at the time of the crash | 0 – 125998 – Not Stated999 – Fatal Fetus |
| Victim Degree of Injury | **VICTIM\_DEGREE\_OF\_INJURY** | vinjury | Char(1) | The severity of the injury to the victim | 1 - Killed2 - Severe Injury3 - Other Visible Injury4 - Complaint of Pain5 – Suspected Serious Injury6 – Suspected Minor Injury7 – Possible Injury0 - No Injury |
| Victim Seating Position | **VICTIM\_SEATING\_POSITION** | vseat | Char(1) | Seating position of the victim  | 1 - Driver2 thru 6 - Passengers7 - Station Wagon Rear8 - Rear Occupant of Truck or Van9 - Position Unknown0 - Other OccupantsA - third row left B - third row center C - third row right - - Not Stated |
| Victim Safety Equipment 1 | **VICTIM\_SAFETY\_EQUIP\_1** | vsafety1 | Char(1) | The safety equipment of the victim  | A - None in VehicleB - UnknownC - Lap Belt UsedD - Lap Belt Not UsedE - Shoulder Harness UsedF - Shoulder Harness Not UsedG - Lap/Shoulder Harness UsedH - Lap/Shoulder Harness Not UsedJ - Passive Restraint UsedK - Passive Restraint Not UsedL - Air Bag DeployedM - Air Bag Not DeployedN - OtherP - Not RequiredQ - Child Restraint in Vehicle UsedR - Child Restraint in Vehicle Not UsedS - Child Restraint in Vehicle, Use UnknownT - Child Restraint in Vehicle, Improper UseU - No Child Restraint in VehicleV - Driver, Motorcycle Helmet Not UsedW - Driver, Motorcycle Helmet UsedX - Passenger, Motorcycle Helmet Not UsedY - Passenger, Motorcycle Helmet Used- or blank - Not Stated |
| Victim Safety Equipment 2 | **VICTIM\_SAFETY\_EQUIP\_2** | vsafety2 | Char(1) | The safety equipment of the victim  | same as Victim Safety Equipment 1 above(eff. Jan 2002) |
| Victim Ejected | **VICTIM\_EJECTED** | vejected | Char(1) | Indicates whether the victim was ejected from the vehicle | 0 - Not Ejected1 - Fully Ejected2 - Partially Ejected3 - Unknown- - Not Stated |
| Local Report Number | **local\_report\_number**  |  |  | The report number assigned by the reporting agency to the crash report |  |
| Victim Number | **VICTIM\_NUMBER** |  | Number (3) | The unique identifier of the victim |  |

i The data element was intended to be the population count of the city or county at the time of the crash. However, population count is time-dependent. Existing values are computed from a lookup table with no effective dates. Therefore the value cannot be accurate over time.

ii The column translates the value of the data element "reporting\_district" in crashes reported by LAPD to a single letter. However, LAPD currently has 21 districts but the translation only covers 18 districts. Anyone wanting LAPD district can get it from the last two digits of the data element "reporting\_district".

iii The officer checks the box "state highway related" if the crash was on or near a state highway. When the box is checked, the data element has the value Y. However, if Caltrans later decides that the crash was not state highway related, the data element is changed to N, for not state highway related.

iv These data elements are from Caltrans coding form Card 8. The values are available only on some highway related documents that were received as hardcopy and are meaningful only to Caltrans.

v The type of roadway at the location of the crash. This column is deprecated. The value is based on CHP beat and post mile. The post mile is from Caltrans coding form Card 8 but we stopped doing Card 8 on CHP crashes in 2015.

vi HPM 110.5 chapter 4 paragraph 28. a.

vii HPM 110.5 chapter 4 paragraph 28. f.

viii HPM 110.5 chapter 4 paragraph 26