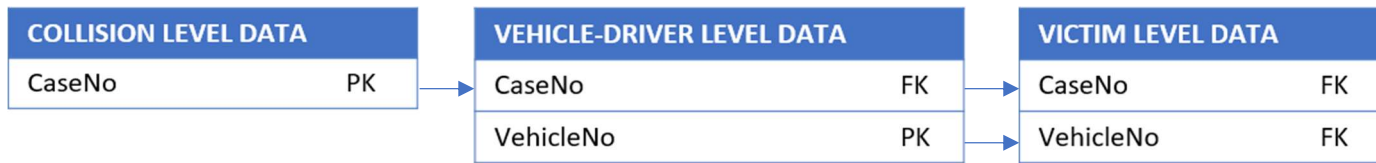


MPI COLLISION TABLE RELATIONSHIP



Collision Level Data Table

Table Fields

Name	Position	Label	Measurement Level	Format	Column Width	Alignment
CaseNo	1	SOMA Number	Nominal	F6	6	Left
OccurrenceYear	2	Occurrence Year	Ordinal	F8	8	Right
OccurrenceDate	3	Occurrence Date	Nominal	SDATE10	10	Left
OccurrenceMonth	4	Occurrence Month	Nominal	F8	8	Right
OccurrenceDayofWeek	5	Day of Week of Occurrence	Nominal	F2	2	Right
Time	6	Occurrence Time (24 Hour Clock)	Nominal	F2	2	Left
AccSeverity	7	Accident Severity	Nominal	F1	1	Left
AccLocation	8	Location of Accident	Nominal	F2	2	Left
LocationStreet	9	<none>	Nominal	A19	19	Left
LocationStreetfrom	10	<none>	Nominal	A19	19	Left
LocationStreetto	11	<none>	Nominal	A19	19	Left
AccSiteType	12	Accident Site Type	Nominal	F2	2	Left
AccType	13	Accident Type	Nominal	F2	2	Left
AccConfiguration	14	Accident Configuration	Nominal	F2	2	Left
HitandRun	15	Hit and Run Collision	Nominal	F1	1	Left
LightCondition	16	Light Condition at Time of Collision	Nominal	F2	2	Left
WeatherCondition	17	Weather Condition at Time of Collision	Nominal	F2	2	Left
RoadSurfaceType	18	Road Surface Type	Nominal	F2	2	Left
RoadCondition	19	Road Condition at Time of Collision	Nominal	F2	2	Left
RoadSurfaceCondition	20	Road Surface Condition at Time of Collision	Nominal	F2	2	Left
RoadCategory	21	Road Category	Nominal	F2	2	Left
RoadAlignment	22	Road Alignment	Nominal	F2	2	Left
NumofVehicles	23	Number of Vehicles Involved (including Pedestrians)	Nominal	F2	11	Right
NumKilled	24	Number of Victims Killed	Nominal	F2	11	Right
NumInjured	25	Number of Victims Injured	Nominal	F2	11	Right

Field Codes

AccSeverity	
1	Fatal
2	Injury
3	PDO
AccLocation	
1	Winnipeg
2	Brandon
3	Portage
4	Flin Flon
5	Dauphin
6	Thompson
7	The Pas
8	Selkirk
9	Other Urban
10	All Rural
AccSite Type	
1	Intersection
2	Between Intersections
3	Intersection, Private Drive/Lane
4	Back Lane
5	Parking Lot
6	Railroad Level Crossing
7	Bridge/Overpass
8	Tunnel/Underpass
9	Off Road
10	Pass/Climb Lane
97	Other
98	Not Applicable
99	Unknown

AccType	
1	Collision with pedestrian
2	Collision with other motor vehicle
3	Collisions with train
4	Collision with motorcycle
5	Collision with animal drawn vehicle
6	Collision with bicycle
7	Collision with animal
8	Collision with fixed object
9	Collision with other object
10	Overtuned in roadway
11	Ran off roadway
12	Collision with moped
13	Other non-collision
AccConfiguration	
1	Rear End
2	Head On
3	Side Swipe Opposing
4	Side Swipe Same Direction
5	Overtaking
6	Right Turn - Same direction
7	Right Turn - Opposing
8	Left Turn - Opposing
9	Left Turn - Same direction
10	Left Turn - Across
11	Intersection 90 degrees
12	Off Road Right
13	Off Road Left
14	Fixed Object
15	Parking
16	Pedestrian
99	Other

HitandRun	
0	No
1	Yes
LightCondition	
1	Day
2	Dawn
3	Dusk
4	Dark
5	Artificial Light
97	Other
98	Not Applicable
99	Unknown
WeatherCondition	
1	Clear
2	Cloudy
3	Raining
4	Snowing
5	Fog or Mist
6	Smoke or Dust
7	Freezing Rain/Sleet/Hail
8	Drifting Snow
9	Strong Winds
97	Other
98	Not Applicable
99	Unknown

RoadSurface Type	
1	Asphalt
2	Concrete
3	Gravel
4	Earth/Dirt
5	Chip-Seal
97	Other
98	Not Applicable
99	Unknown
RoadCondition	
1	Good
2	Defective
3	Under Repair
4	Under Construction
5	Obstruction not lighted
6	Hole/Rut/Bump
7	Pavement Drop-off
97	Other
98	Not Applicable
99	Unknown
RoadSurfaceCondition	
1	Dry
2	Wet
3	Mud
4	Snow
5	Ice
6	Slush
7	Loose Gravel/Sand/Dirt
8	Fresh Oil
97	Other
98	Not Applicable
99	Unknown

RoadCategory	
1	Undivided – 1 way
2	Undivided – 2 way 2 lanes
3	Undivided – 2 way multi lane
4	Divided – barrier
5	Divided – with median no barrier
97	Other
98	Not Applicable
99	Unknown
RoadAlignment	
1	Level/Straight
2	Level/Curve
3	Straight/Curve
4	Curve with Grade
5	Top of Hill
6	Bottom of Hill
97	Other
98	Not Applicable
99	Unknown

Vehicle-Driver Level Data Table

Table Fields

Name	Position	Label	Measurement Level	Format	Column Width	Alignment
CaseNo	1	SOMA Number	Nominal	F6	6	Left
OccurenceYear	2	Occurence Year	Ordinal	F8	8	Right
OccurenceDate	3	Occurrence Date	Nominal	SDATE10	10	Left
VehicleNo	4	Vehicle Number	Nominal	F2	11	Right
TrailerType	5	Trailer Type	Nominal	F1	1	Left
VehicleType	6	Vehicle Type	Nominal	F2	2	Left
DriverPedestrianAge	7	Age of Driver/Pedestrian	Nominal	F3	3	Left
DriverPedestrianSex	8	Gender of Driver/Pedestrian	Nominal	F1	1	Left
PassengerNo	9	Number of Passengers in Vehicle	Nominal	F3	3	Left
TravelDirection	10	Direction of Travel Prior to Collision	Nominal	F1	1	Left
TrafficControl	11	Traffic Control Device or Advisory Sign Present at Scene of Collision	Nominal	F2	2	Left
TowedVehicle	12	Type of Vehicle Being Towed	Nominal	F2	2	Left
HazardousLoad	13	Class of Dangerous Load Being Carried by Any Vehicle in the Collision	Nominal	F2	2	Left
PreCollisionAction	14	Action of the Vehicle Just Prior to First Collision	Nominal	F2	2	Left
ContriFactor1	15	Contributing Factors - Code 1	Nominal	F3	3	Left
ContriFactor2	16	Contributing Factors - Code 2	Nominal	F3	3	Left
ContriFactor3	17	Contributing Factors - Code 3	Nominal	F3	3	Left
EventSeq1	18	Type of Object(s) Struck or Striking Each Other - First Event/Initial Collision	Nominal	F3	3	Left
EVentSeq2	19	Type of Object(s) Struck or Striking Each Other - Second Event/Following Initial Collision	Nominal	F3	3	Left
PedestrianAction	20	Action of Pediestrian Immediately Prior to Involvement in the Collision	Nominal	F3	3	Left

Field Codes

TrailerType	1	Fatal/Injury
	2	Vehicle
VehicleType	1	Passenger
	2	Mini-Van/ Multi-Purpose Van
	11	Van <4500 kgs
	12	Pick Up <4500 kgs
	13	Truck >4500 kgs Unit Chassis
	14	Power Unit (Semi-Trailer)
	15	Truck/Camper
	16	Motor Home
	17	Truck - Other
	21	School Bus
	22	Other School Vehicle
	23	Transit Bus - Urban
	24	Para-Transit Bus
	25	Inter-City Bus
	26	Bus - Other
	31	Motorcycle/Scooter
	32	Moped
	33	Bicycle
	41	Ambulance
	42	Fire
	43	Police
	51	Mobility Vehicle
	52	Motorised Snow Vehicle HTA
	53	Farm Equipment
	54	Construction Equipment
	55	Train/Other Rail Vehicle
	61	Snowmobile
	62	Off-Road Motorcycle
	63	All-Terrain Vehicle
	64	Amphibious Vehicle
	65	Dune/Sport Buggy
	66	4 Wheel Drive Motor Vehicle Off-Road
	99	Pedestrian
Dri	1	Female
	2	Male

TravelDirecti	9	Unknown
	1	North
	2	South
	3	East
	4	West
9	Not stated	
TrafficControl	1	Traffic Signal/Control Device
	2	Stop
	3	Right Turn on Red
	4	Left Turn on Red
	5	Yield
	6	Officer/Flagman
	7	Merge
	8	4 Way Stop
	9	Turn Controls
	10	Flashing Signal Lights
	11	Overhead Signs
	12	Rail Road Gates
	13	Rail Road Auto Controls
	14	Rail Road Crossing
	15	School Zone
	16	Warning Sign
	17	Pedestrian Crosswalk
	18	Pedestrian Corridor
	19	School Crossing
	20	Flashing School Signals
97	Other	
98	Not Applicable	
99	Unknown	
TowedVehicle	1	Camper trailer
	2	Holiday tent trailer
	3	Boat trailer
	4	Utility trailer
	5	Farm equipment
	6	Construction equipment
	7	Towed motor home
	8	Low/high trailer
	9	Single trailer – semi
	10	Double trailer – semi
	11	Triple trailer – semi
	12	Petroleum other tanker
	13	Over-dimensional pilot vehicle

HazardousLoad	14	Over-dimensional non-pilot vehicle
	97	Other
	98	Not Applicable
	99	Unknown
PreCollisionAction	1	Explosives
	2	Flammable gases
	3	Flammable/combustible liquids
	4	Flammable solids/Spontaneously combustible/Dangerous when wet
	5	Oxidisers/Organic Peroxides
	6	Poisonous substance/Harmful to food/Infectious
	7	Radioactives
	8	Corrosives
	9	Miscellaneous dangerous substances (includes unspecified waste materials)
	10	General cargo (Non-hazardous)
	11	Empty
	97	Other
	98	Not Applicable
99	Unknown	
PreCollisionAction	1	Straight ahead
	2	Turning left
	3	Turning right
	4	Making U-Turn
	5	Changing lanes – left
	6	Changing lanes – right
	7	Merging
	8	Reversing
	9	Overtaking
	10	Slowing/Stopping on Roadway
	11	Stopped in a traffic
	12	Starting in traffic
	13	Starting from parked position
	14	Entering parked position
	15	Parked – legally
	16	Parked – illegally
	17	Swerving

ContriFactor1, ContriFactor2, ContriFactor3

10 (Driver Action) Driving Properly and Apparently Normal
100 Driver Action - Driving properly
101 Follow too closely
102 Turning improperly
103 Exceeding speed limit
104 Driving too fast for conditions
105 Unsafe operating speed (Too fast or too slow)
106 Passing improperly
107 Changing lanes improperly
108 Fail to yield right-of-way
109 Disobey traffic control device/officer
110 Drive wrong way on roadway
111 Passing a vehicle at pedestrian X-walk
112 Back unsafely
113 Parking improperly
114 Careless Driving
115 Lost control/Drive off road
116 Driverless vehicle ran out of control
117 Leave stop sign before safe to do so
118 Failed to signal
119 Take avoiding action
120 Driver inexperience
121 Pedestrian error/confusion
200 Human Condition - Apparently Normal
201 Loss of consciousness/Blackout prior to collision
202 Extreme fatigue/Fell asleep
203 Defective eyesight
204 Defective hearing
205 Medical disability
206 Physical disability
207 Mental disability
208 Mental confusion/Inability to remember
209 Sudden illness
210 Ability impaired alcohol
211 Ability impaired drugs
212 Had been drinking/Suspected alcohol use
213 Distraction/Inattention
214 Exceed hours of service (commercial drivers only)

300 No apparent (vehicle) defect
301 Defective brakes
302 Defective steering
303 Defective headlights
304 Defective brakelights
305 Defective lighting (unspecified)
306 Defective engine controls/drive train
307 Defective suspension/wheels
308 Defective tires
309 Tow hitch/yoke defective
310 Defective exhaust system
311 Hood/tailgate/door/covering opened
312 Defective glazing (obscured windows)
313 Vehicle modifications
314 Fire
315 Overloaded/oversized
316 Load shifted/spilled
317 Jack-knife/trailer swing
318 Hydroplaning tires
401 Animal action - Wild
402 Animal action - Domestic
403 Slippery road surface
404 Snow drift
405 Obstruction/debris on roadway
406 View obstructed/limited
407 Glare/reflection
408 Construction zone
409 Defective driving surface
410 Shoulders defective
411 Lane markings inadequate
412 Defective/inoperative traffic control device
413 Weather
414 Pedestrian corridor in use
415 Uninvolved vehicle
416 Uninvolved pedestrian
417 Presence of prior accident
996 No contributing factor(s) identified
997 Other
998 Not applicable
999 Unknown

EEventSeq1, EEventSeq2

- 1 Fixed Object - Ditch/embankment
- 2 Fixed Object - Approach
- 3 Fixed Object - Traffic barricade
- 4 Fixed Object - Sign Post
- 5 Fixed Object - Traffic Signal Standard
- 6 Fixed Object - Street light standard
- 7 Fixed Object - Telephone/Power pole
- 8 Fixed Object - Guard Rail
- 9 Fixed Object - Bridge structure/abutment
- 10 Fixed Object - Tree/bush
- 11 Fixed Object - Parking meter
- 12 Fixed Object - Building/wall
- 13 Fixed Object - Curbing
- 14 Fixed Object - Fence
- 15 Fixed Object - Culvert/drainage structure
- 16 Fixed Object - Snow bank/drift
- 17 Fixed Object - Rock face
- 18 Fixed Object - Delineator posts
- 19 Fixed Object - Fire hydrant/utility box
- 20 Fixed Object - Median barrier/gore
- 21 Fixed Object - Gate/Moveable barrier
- 22 Fixed Object - Impact attenuator
- 41 Moveable Object - Vehicle
- 42 Moveable Object - Railroad train
- 43 Moveable Object - Bicyclist
- 44 Moveable Object - Motorcycle
- 45 Moveable Object - Moped
- 46 Moveable Object - Animal
- 47 Moveable Object - Pedestrian
- 48 Moveable Object - Farm machinery
- 49 Moveable Object - Construction machinery
- 50 Moveable Object - Snowmobile
- 51 Moveable Object - Off-road vehicle
- 71 Non-Collision Event - Ran off road
- 72 Non-Collision Event - Overturned
- 73 Non-Collision Event - Fire/Explosion
- 74 Non-Collision Event - Skidding/sliding
- 75 Non-Collision Event - Jackknife/trailer swing

- 76 Non-Collision Event - Submersion/immersion
- 77 Non-Collision Event - Load spill
- 997 Other
- 998 Not Applicable
- 999 Unknown

PedestrianAction

- 1 At intersection, right of way
- 2 At intersection, without right of way
- 3 At intersection, no traffic control
- 4 Between intersections
- 5 Walking along roadway against
- 6 Walking along roadway with
- 7 On sidewalk/median/safety zone
- 8 Walking on roadway = travel portion
- 9 From behind vehicle/object on roadside
- 10 Running into roadway
- 11 Getting on/off vehicle
- 12 Pushing/working on vehicle
- 13 Playing on roadway
- 14 Working on roadway
- 15 Lying on roadway
- 997 Other
- 998 Not Applicable
- 999 Unknown

Victim Level Data Table

Table Fields

Name	Position	Label	Measurement Level	Format	Column Width	Alignment
CaseNo	1	SOMA Number	Nominal	F6	6	Left
OccurrenceYear	2	Occurrence Year	Ordinal	F4	8	Right
OccurrenceDate	3	Occurrence Date	Nominal	SDATE10	10	Left
TrailerType	4	Trailer Type	Nominal	F1	1	Left
VehicleNo	5	Vehicle Number Victim was Injured In	Nominal	F2	2	Left
PositioninVehicle	6	Victim's Position in Vehicle	Nominal	F2	2	Left
EjectionfromVehicle	7	Whether or Not Victim Experienced Ejection from Vehicle	Nominal	F1	1	Left
InjuryCodeVictim	8	Severity of Injury Sustained by Victim	Nominal	F1	1	Left
VictimAge	9	Victim's Age	Nominal	F3	3	Left
VictimSex	10	Victim's Gender	Nominal	F1	1	Left
SafetyEquipment	11	Safety Equipment in Use by Victim at Time of Collision	Nominal	F2	2	Left

Field Codes

	TrailerType		EjectionfromVehicle		SafetyEquipment
1	Fatal/Injury	1	Not ejected	1	Lap belt only installed - In use
2	Vehicle	2	Ejected	2	Lap belt only installed - Not in use
	PositioninVehicle	3	Partially ejected	3	Shoulder belt only installed - In use
1	Driver	7	Other	4	Shoulder belt only installed - Not in use
2	Passenger middle front	8	Not Applicable	5	Lap and shoulder belt assembly - In use
3	Passenger right front	9	Unknown	6	Combined belt installed - Not in use
4	Passenger left back		InjuryCodeVictim	7	Only lap part of full assembly in use
5	Passenger middle back	1	Minimal – no hospital	8	Air bag deployed - Safety belt in use
6	Passenger right back	2	Minor – treated/released	9	Air bar deployed - Safety belt not use
7	Passenger back	3	Major – admitted	21	Safety seat properly installed - In use
8	Riding on or hanging on	4	Fatal	22	Safety seat improperly installed - In use
9	Pedestrian	5	Injured – unspecified	23	Safety seat installed - Not in use
97	Other	7	Other	31	Safety helmet worn
98	Not Applicable	8	Not Applicable	32	Safety helmet not worn
99	Unknown	9	Unknown	41	Reflective clothing or item on pedestrian
	VictimSex		VictimAge	95	No safety device available
1	Female	998	Not Applicable	97	Other
2	Male	999	Unknown	98	Not Applicable
9	Unknown			99	Unknown