

## Output

Question 1 Total number of cases in each location and display the percentage of cases for each sex per location.

Solution 1 that shows Percentage for each location separately

	location	sex	count(*)	Percent_Total
0	0	Female	39273	42.701504
1	0	Male	52698	57.298496
2	1	None	2	0.001327
3	1	Female	77469	51.393487
4	1	Male	73266	48.605187
5	2	Female	52	47.272727
6	2	Male	58	52.727273
7	4	Female	2330	28.380024
8	4	Male	5880	71.619976
9	5	Female	12034	54.889619
10	5	Male	9890	45.110381
11	6	Female	40	50.000000
12	6	Male	40	50.000000
13	7	Female	5	20.833333
14	7	Male	19	79.166667
15	8	Female	6884	38.488203
16	8	Male	11002	61.511797
17	9	Female	14249	32.460077
18	9	Male	29648	67.539923

Solution 2 that shows overall percentage

	location	sex	count(*)	Percent_Total
0	0	Female	39273	11.728920
1	0	Male	52698	15.738310
2	1	None	2	0.000597
3	1	Female	77469	23.136194
4	1	Male	73266	21.880964
5	2	Female	52	0.015530
6	2	Male	58	0.017322
7	4	Female	2330	0.695857
8	4	Male	5880	1.756068
9	5	Female	12034	3.593966
10	5	Male	9890	2.953658
11	6	Female	40	0.011946
12	6	Male	40	0.011946
13	7	Female	5	0.001493
14	7	Male	19	0.005674
15	8	Female	6884	2.055913
16	8	Male	11002	3.285758
17	9	Female	14249	4.255478
18	9	Male	29648	8.854405

Q2 What are the body parts affected for the diagnosis "crushing" and what are the common locations this accident happens?

Solution 2 that uses inner join on tables to identify body parts for diagnosis crushing

	Diagnosis	Body Part Affected	Incident Locale
0	Crushing	Trunk, upper (not including shoulders)	Not recorded
1	Crushing	Trunk, upper (not including shoulders)	Home
2	Crushing	Trunk, upper (not including shoulders)	Other public property
3	Crushing	Elbow	Home
4	Crushing	Arm, lower (not including elbow or wrist)	Not recorded
5	Crushing	Arm, lower (not including elbow or wrist)	Home
6	Crushing	Arm, lower (not including elbow or wrist)	School
7	Crushing	Arm, lower (not including elbow or wrist)	Place of recreation or sports
8	Crushing	Wrist	Home
9	Crushing	Knee	Not recorded
10	Crushing	Knee	Home
11	Crushing	Knee	Place of recreation or sports
12	Crushing	Leg, lower (not including knee or ankle)	Not recorded
13	Crushing	Leg, lower (not including knee or ankle)	Home
14	Crushing	Leg, lower (not including knee or ankle)	Place of recreation or sports
15	Crushing	Ankle	Not recorded
16	Crushing	Ankle	Home
17	Crushing	Pubic region	Not recorded
18	Crushing	Pubic region	Home
19	Crushing	Arm, upper	Not recorded
20	Crushing	Arm, upper	Home
21	Crushing	Arm, upper	Other public property
22	Crushing	Leg, upper	Place of recreation or sports
23	Crushing	Hand	Not recorded
24	Crushing	Hand	Home
25	Crushing	Hand	Other public property
26	Crushing	Hand	School
27	Crushing	Hand	Place of recreation or sports
28	Crushing	Foot	Not recorded
29	Crushing	Foot	Home
30	Crushing	Foot	Other public property
31	Crushing	Foot	School
32	Crushing	Foot	Place of recreation or sports
33	Crushing	Not recorded	Home
34	Crushing	Finger	Not recorded
35	Crushing	Finger	Home
36	Crushing	Finger	Farm/Ranch
37	Crushing	Finger	Street or highway
38	Crushing	Finger	Other public property
39	Crushing	Finger	School
40	Crushing	Finger	Place of recreation or sports
41	Crushing	Toe	Not recorded
42	Crushing	Toe	Home
43	Crushing	Toe	Other public property
44	Crushing	Toe	School
45	Crushing	Toe	Place of recreation or sports

Q3 Find the top 5 diagnosis and which range of age group are affected by these diagnosis

Solution 3

	Diagnosis	min(age)	max(age)	TotalCount
0	Laceration	0	104	59833
1	Strain or Sprain	0	102	50785
2	Fracture	0	107	50670
3	Contusions, Abrasions	0	104	48967
4	Other/Not Stated	0	103	43486