

road safety

roundtable

 @JayeRobinson //  @TO_Transport

RSSP ROUNDTABLE

BACKGROUND

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Caveats

- Traffic statistics are generated based on the information contained in police reports provided to Transportation Services. Changes in reporting or collection methodology by the police can impact reported trends.
- Many collision types and sub-types occur relatively infrequently and hence can be subject to significant sampling bias and fluctuation when examining a limited time period
- For this reason, it is important to emphasize year-over-year and long term trends, rather than focus on what may be short-term fluctuations in data.

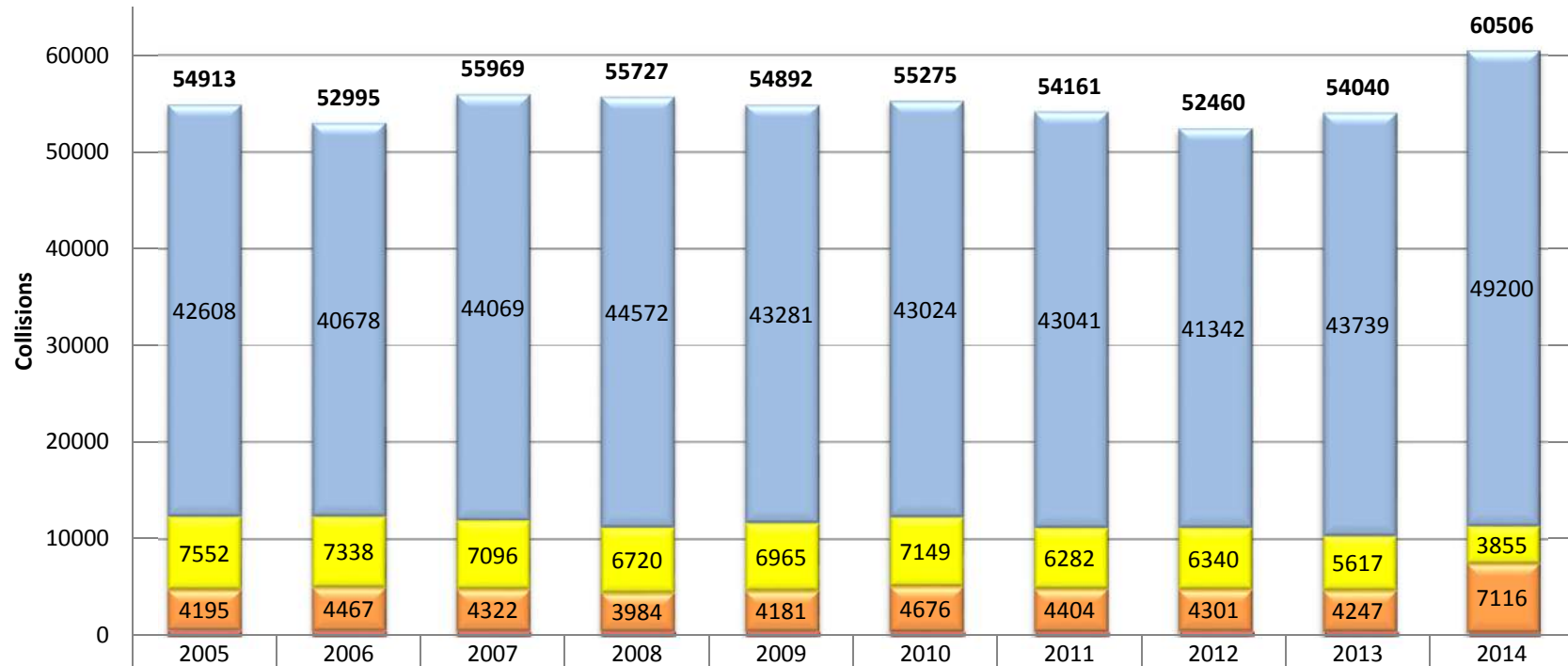
Our Focus

- While the discussion surrounding traffic safety can at times focus on fatalities, Transportation Services believes that this is not the whole picture
- When a collision occurs, whether the incident results in a serious injury or a fatality can be a thin margin
- What matters is that the opportunity for a fatality to occur existed
- For this reason, we focused on the reduction of 'KSI' incidents – those where either a fatality or major injury occurred

Definitions

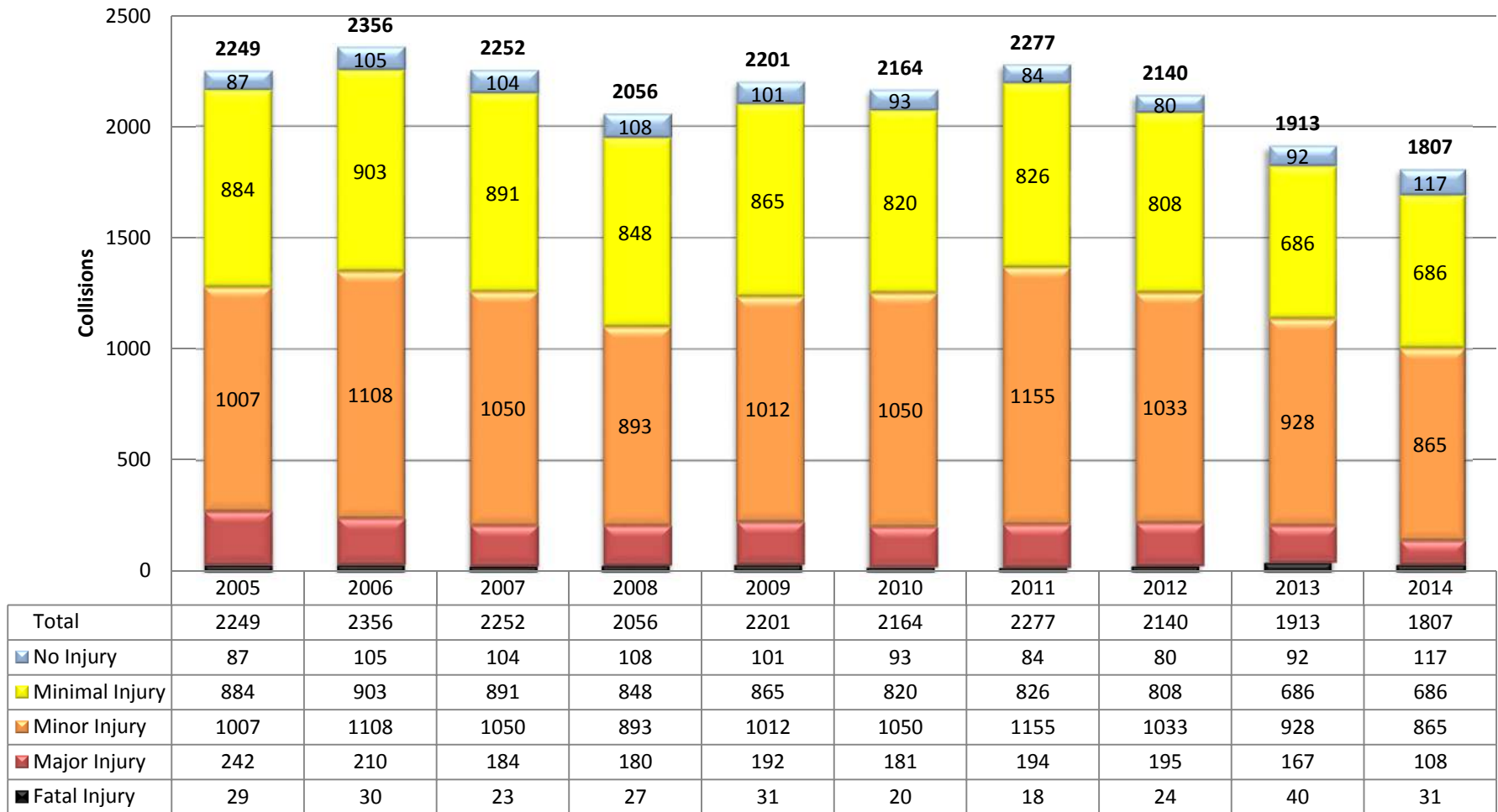
- **Killed and Seriously Injured (KSI)**
 - The combination of traffic fatalities and all major injuries
- **Injuries**
 - **Killed:** Person sustains bodily injuries resulting in death.
 - **Major Injured:** A non-fatal injury severe enough to require that the injured person be admitted to hospital, even if for observation only.
 - **Minor Injured:** A non-fatal injury requiring medical treatment at a hospital emergency room, but not requiring hospitalization of the involved person.

Collision Severity



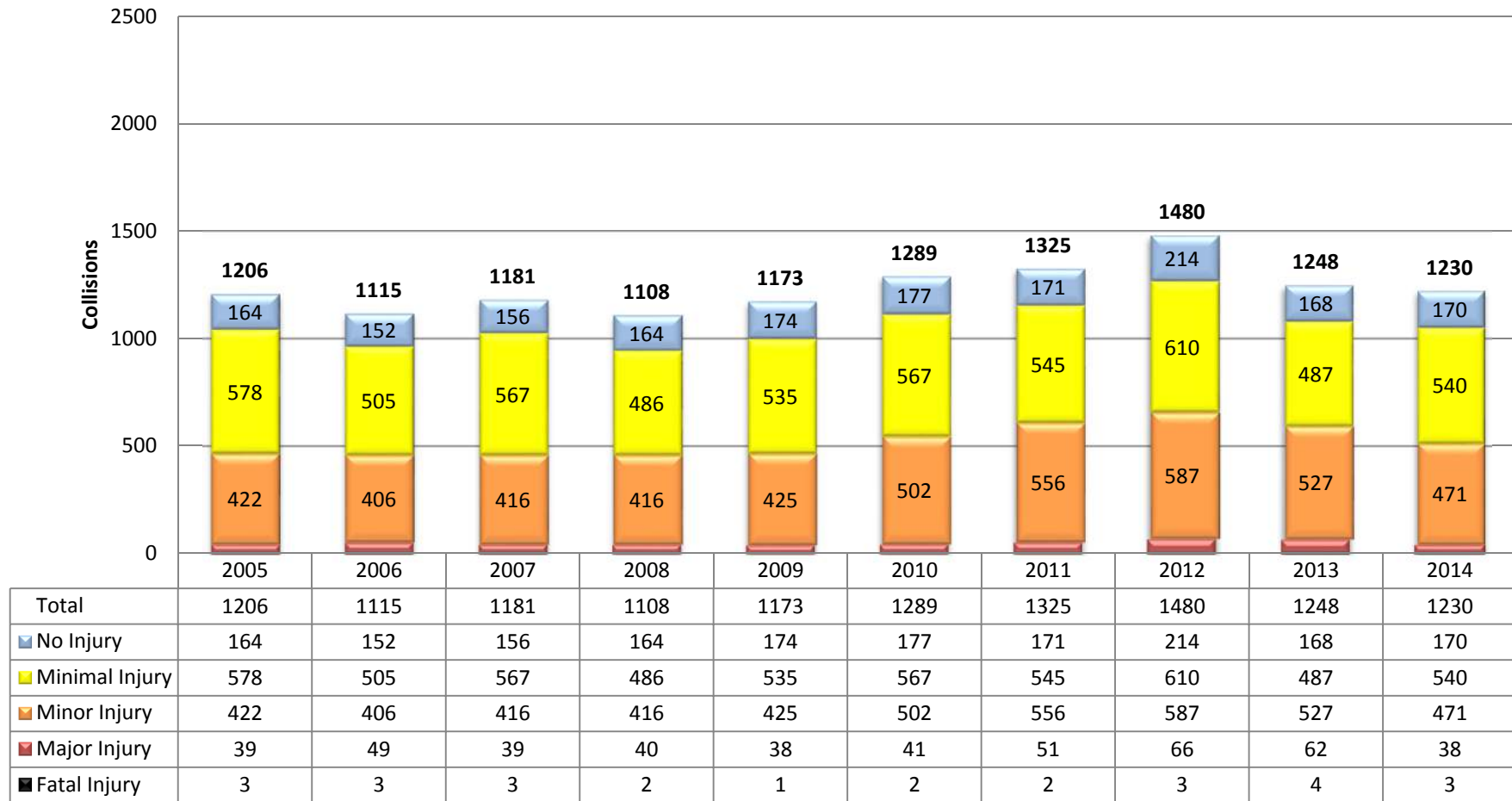
The total number of collisions has held relatively steady from 2007 to 2014

Pedestrian Collision Severity



There has been a general decrease in the number of pedestrian collisions from 2011 to 2014

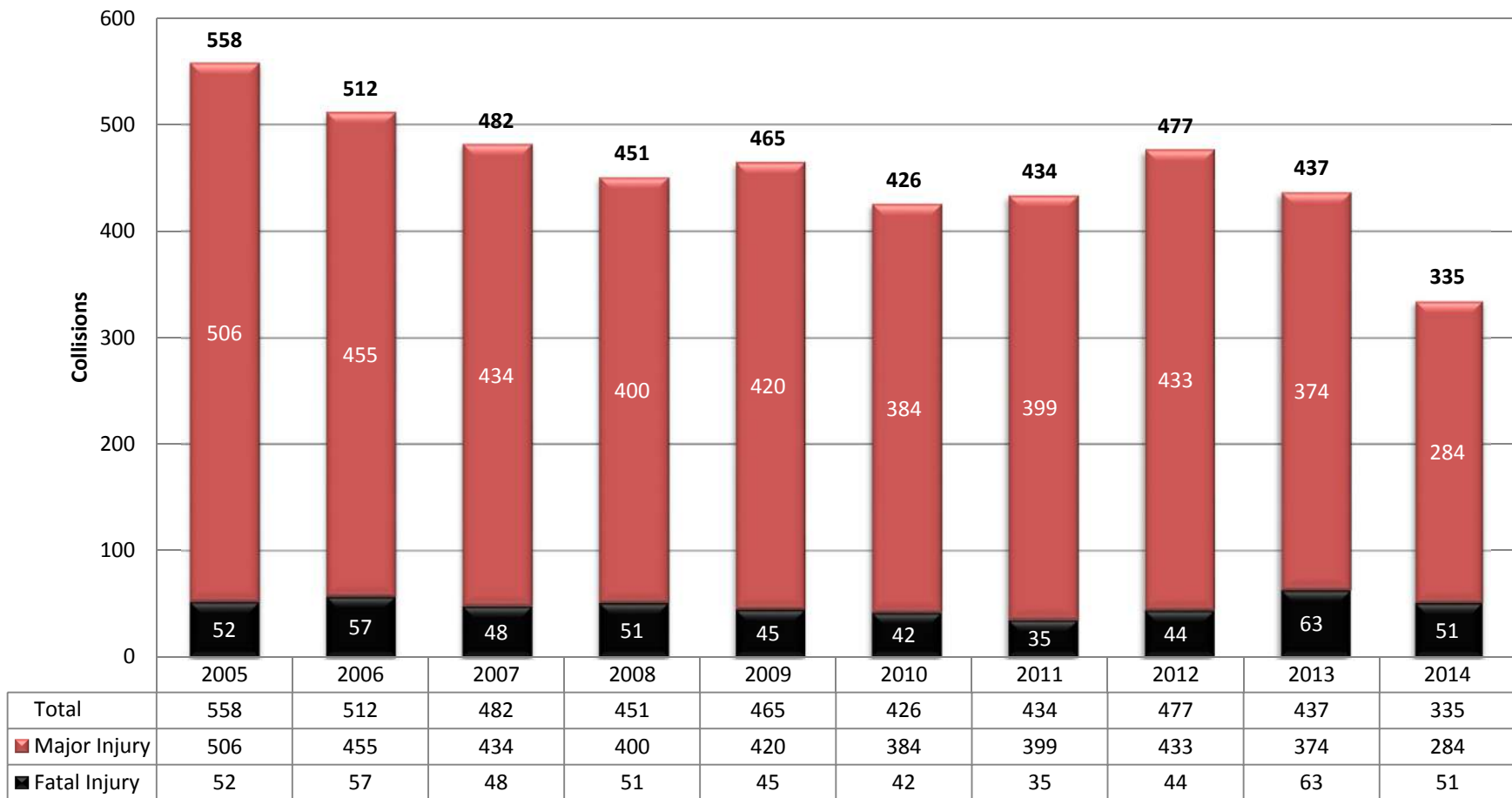
Cyclist Collision Severity



There was a notable decrease in the total number of cyclist collisions in 2014

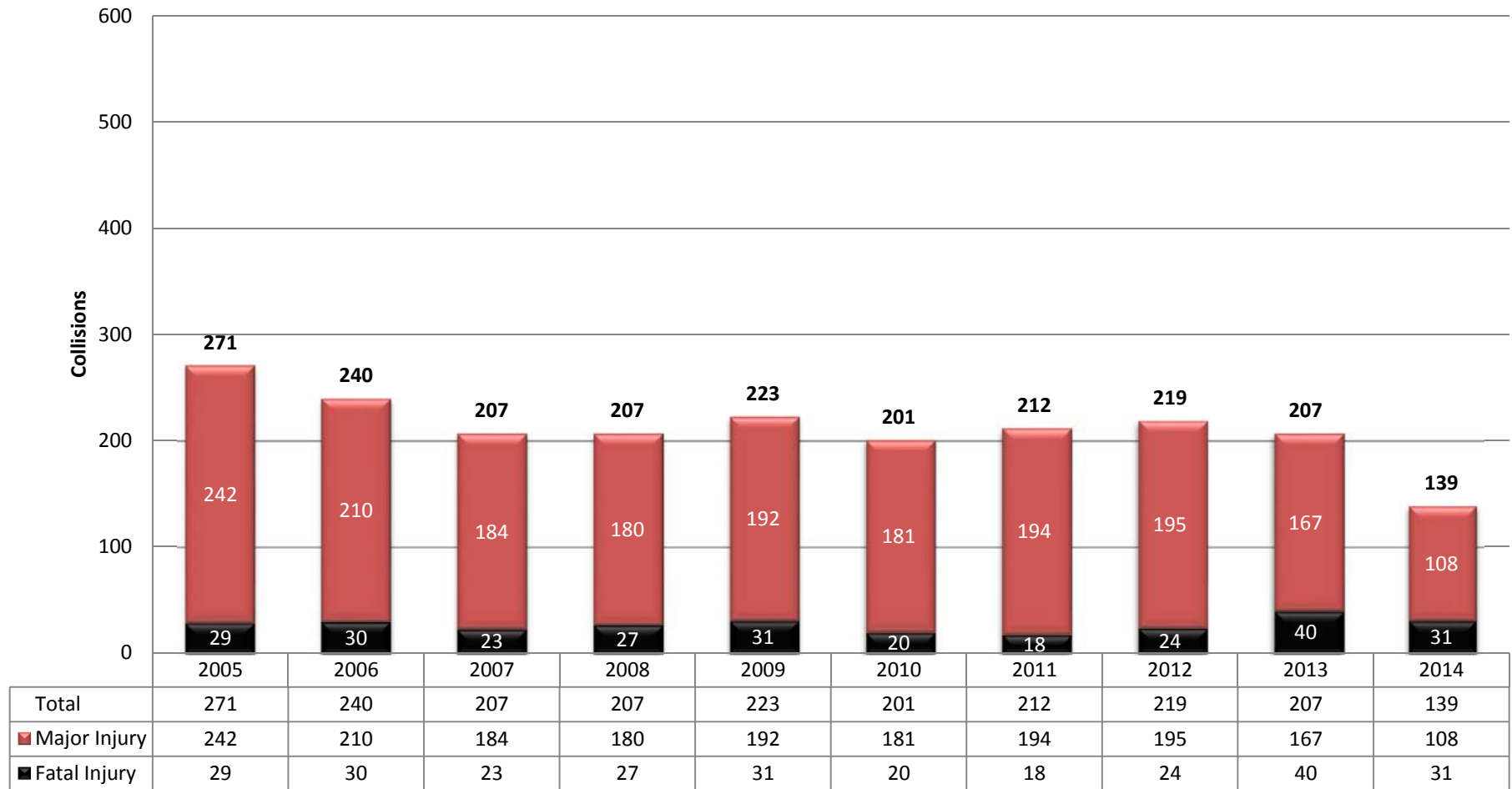
Note: The criteria for reporting cyclist collisions changed in 2014

KSI – All Collisions



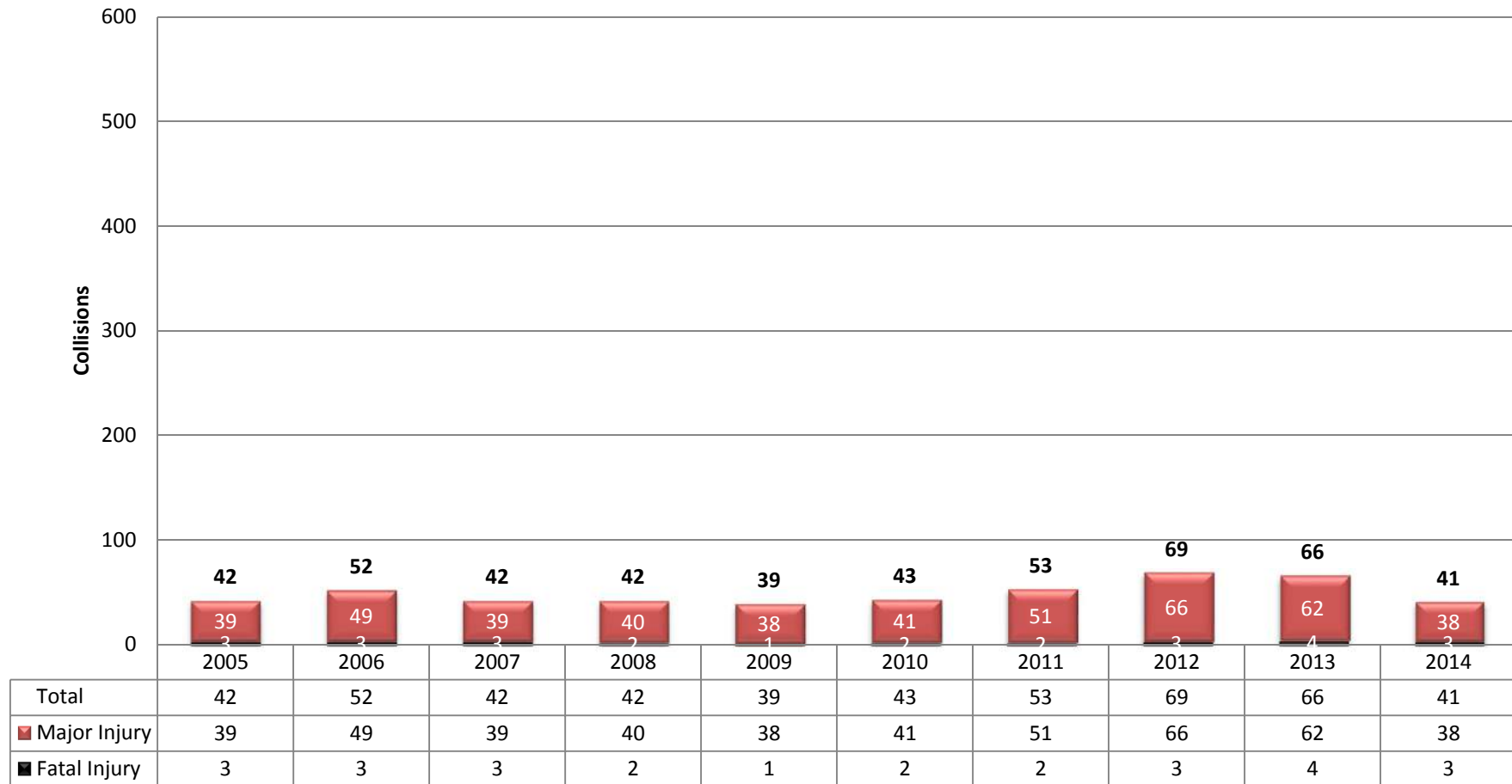
There was a notable decrease in the number of KSI collisions in 2014

KSI – Pedestrian Collisions



Approximately 70% of the overall decrease in KSI collisions arose from a reduction in pedestrian KSI collisions

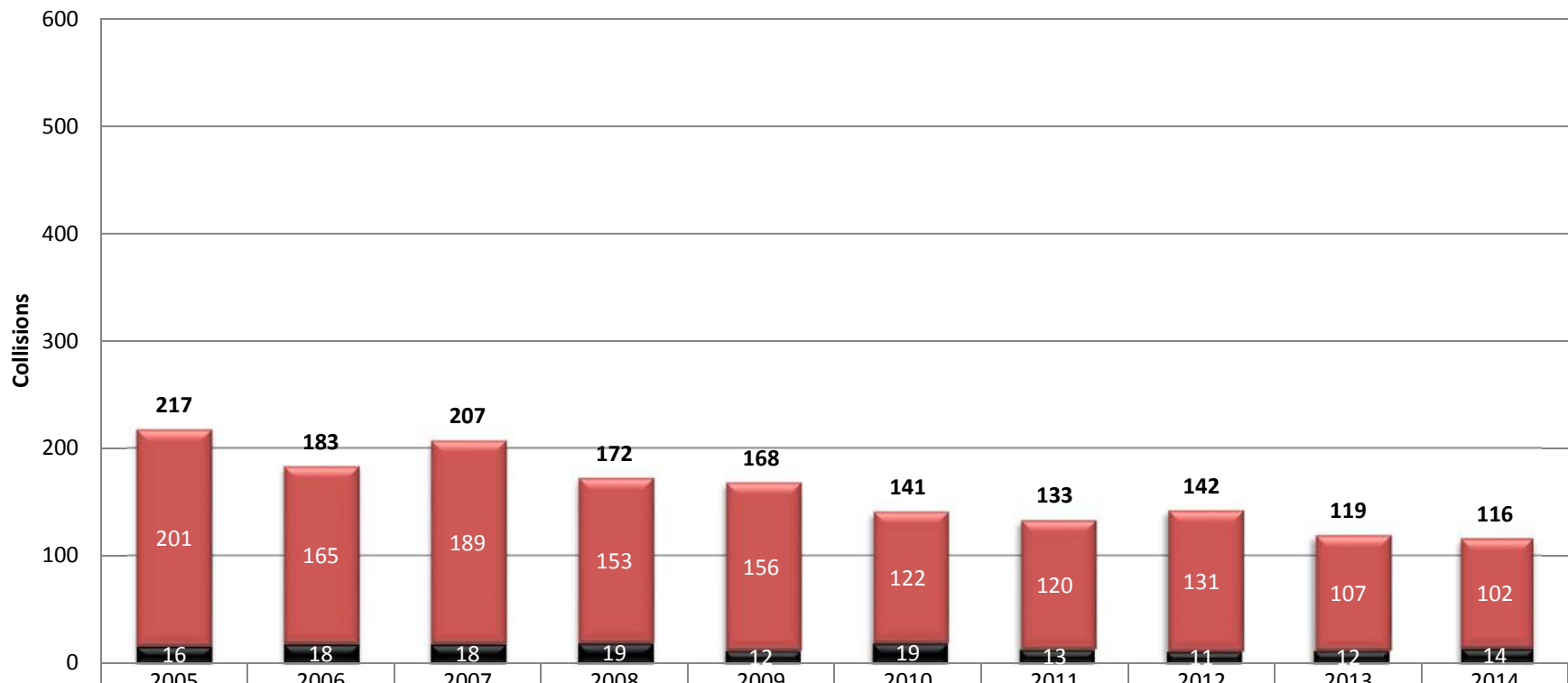
KSI – Cyclist Collisions



There was a notable decrease in the total number of cyclist KSI collisions in 2014

Note: The criteria for reporting cyclist collisions changed in 2014

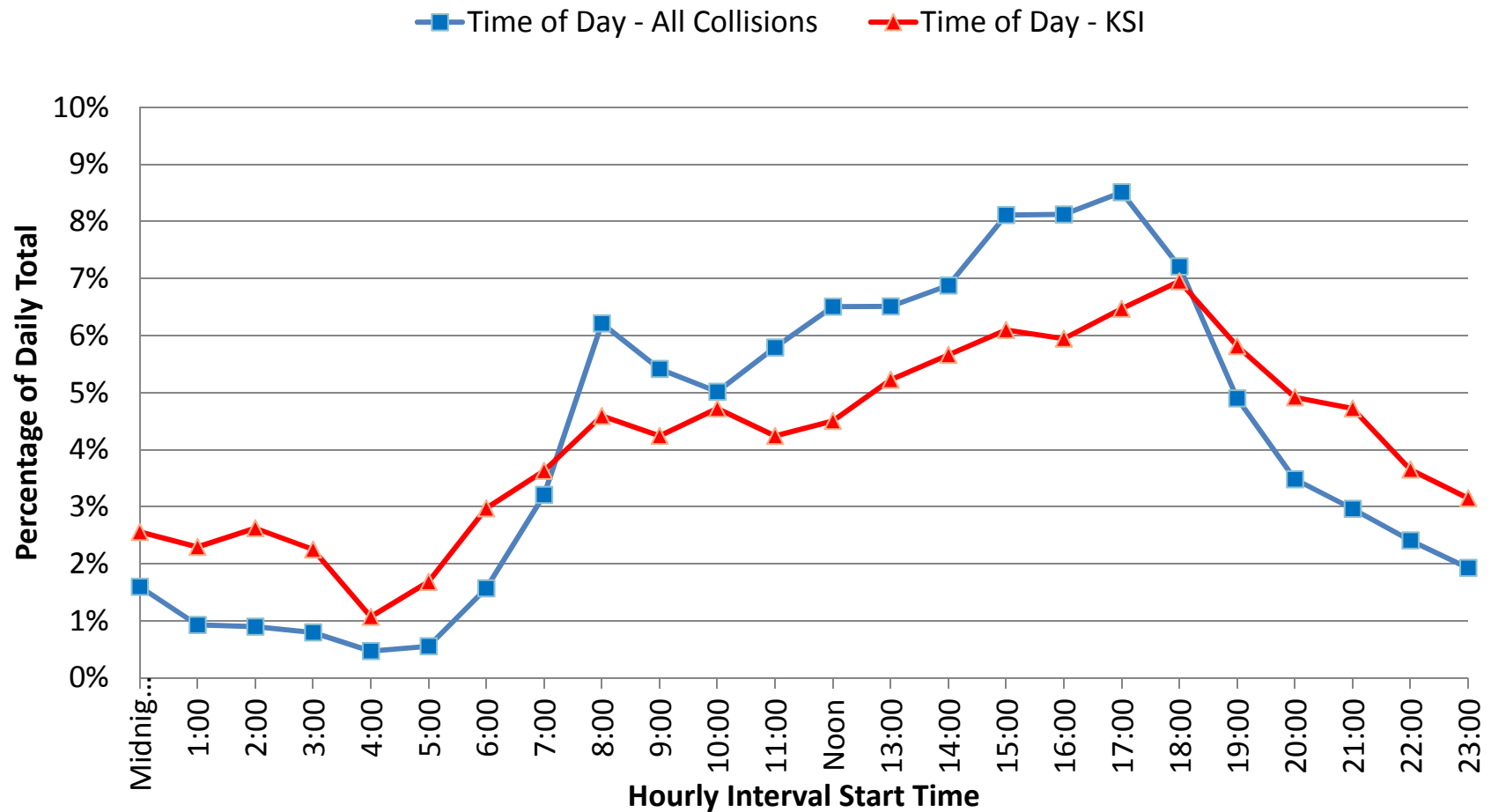
KSI – Motor Vehicle Only Collisions



Total	217	183	207	172	168	141	133	142	119	116
Major Injury	201	165	189	153	156	122	120	131	107	102
Fatal Injury	16	18	18	19	12	19	13	11	12	14

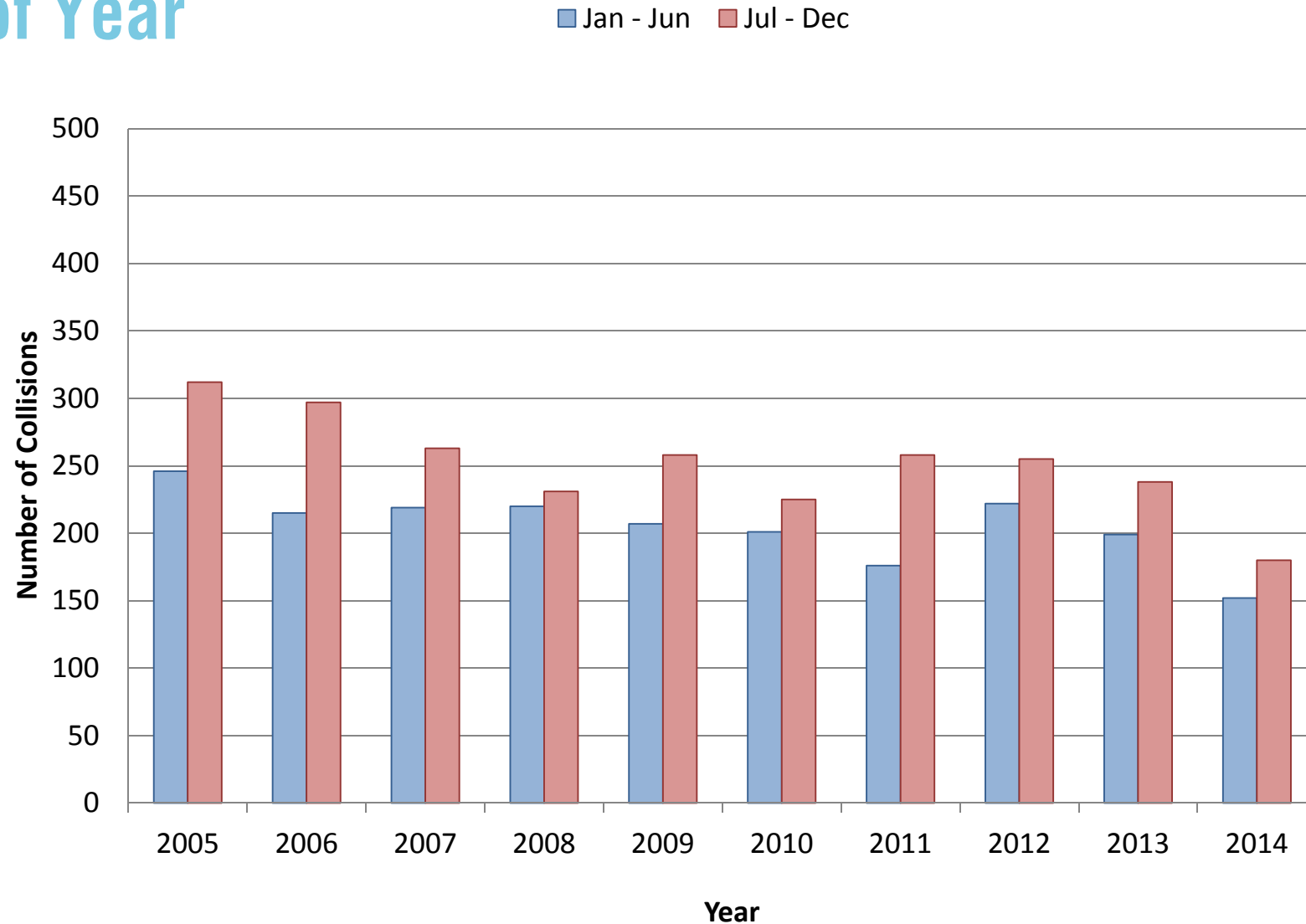
There was a slight decrease in the number of Vehicle only KSI collisions in 2014

Share of Collisions (2005-2014) by Time of Day

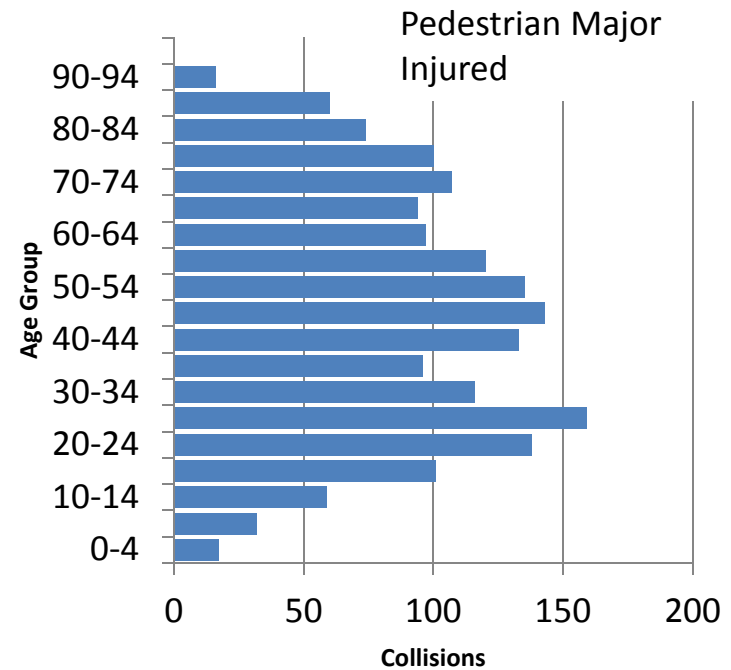
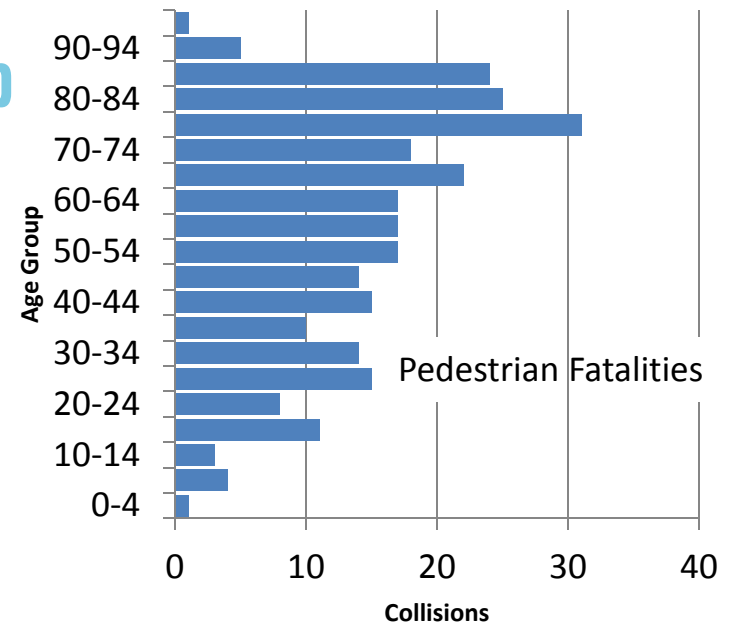
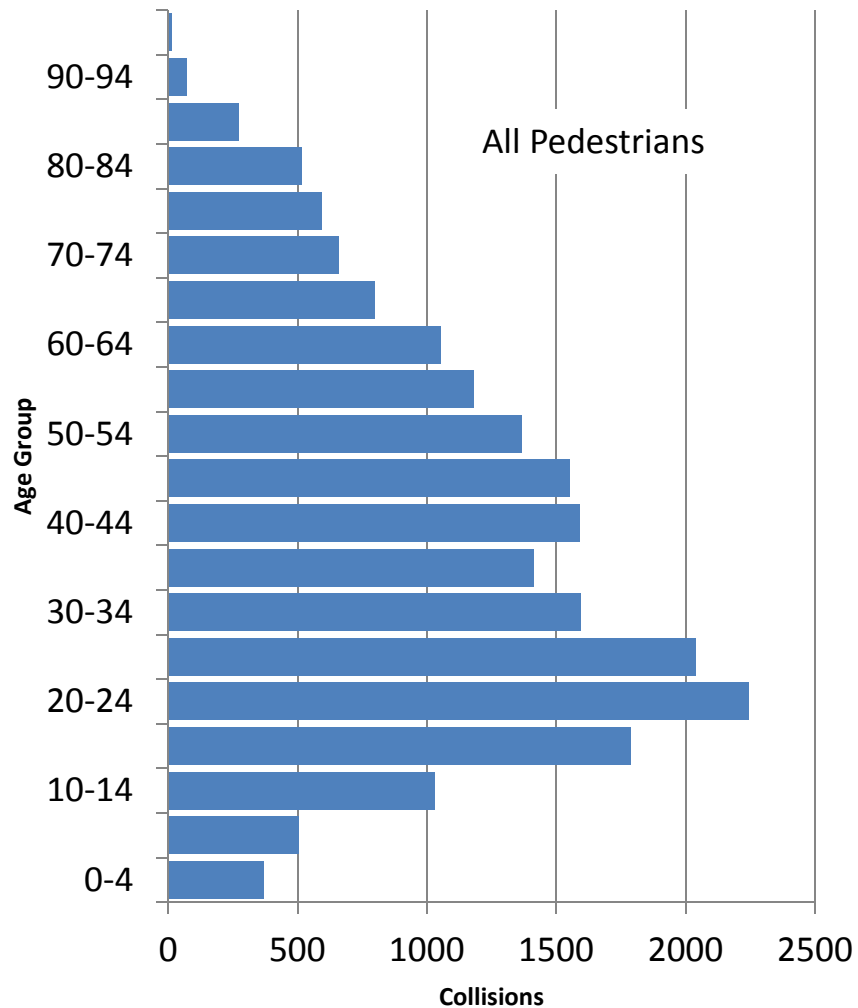


A higher proportion of KSI collisions occur overnight

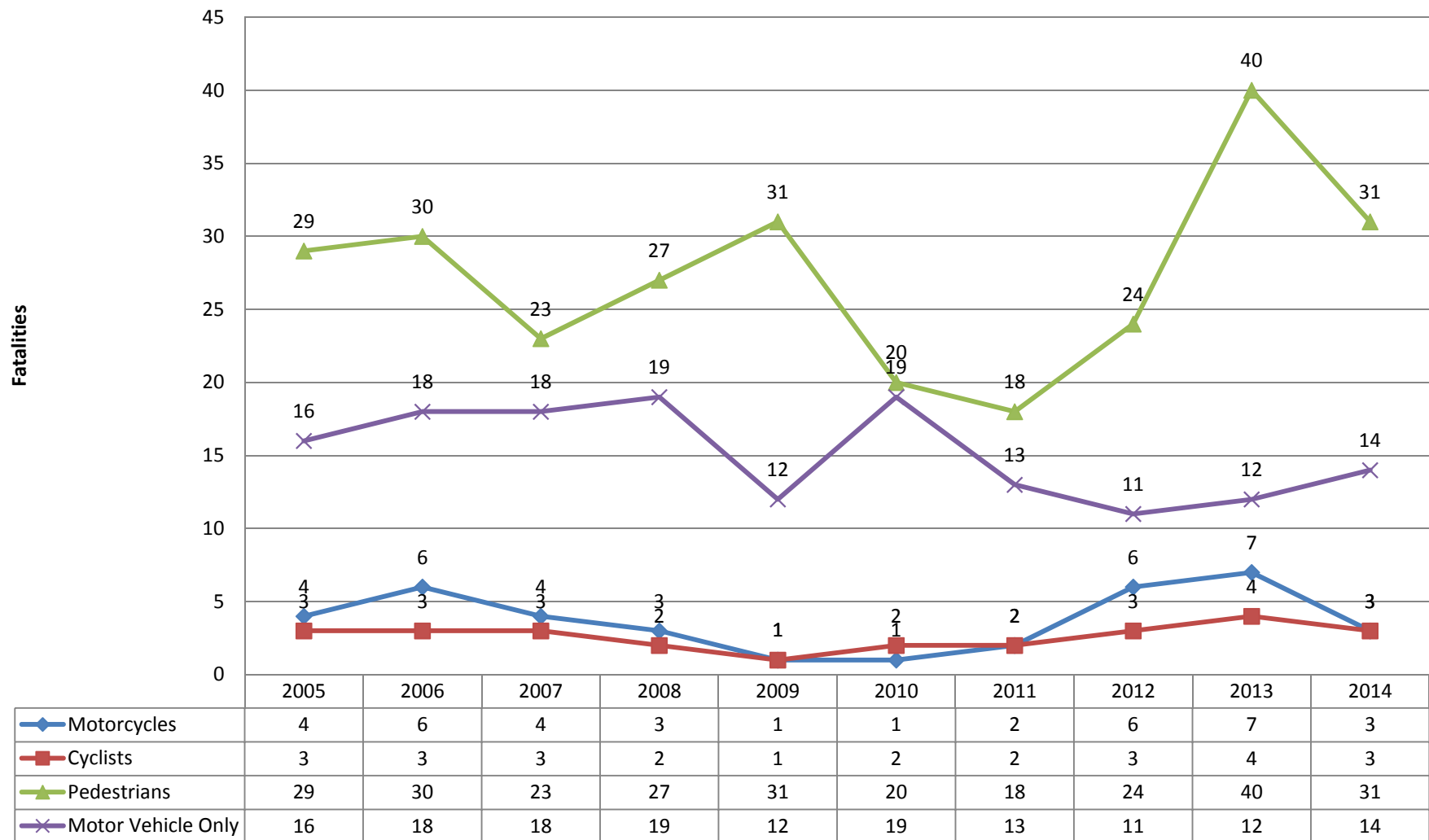
KSI Collisions (2005-2014): 1st Half vs. 2nd Half of Year

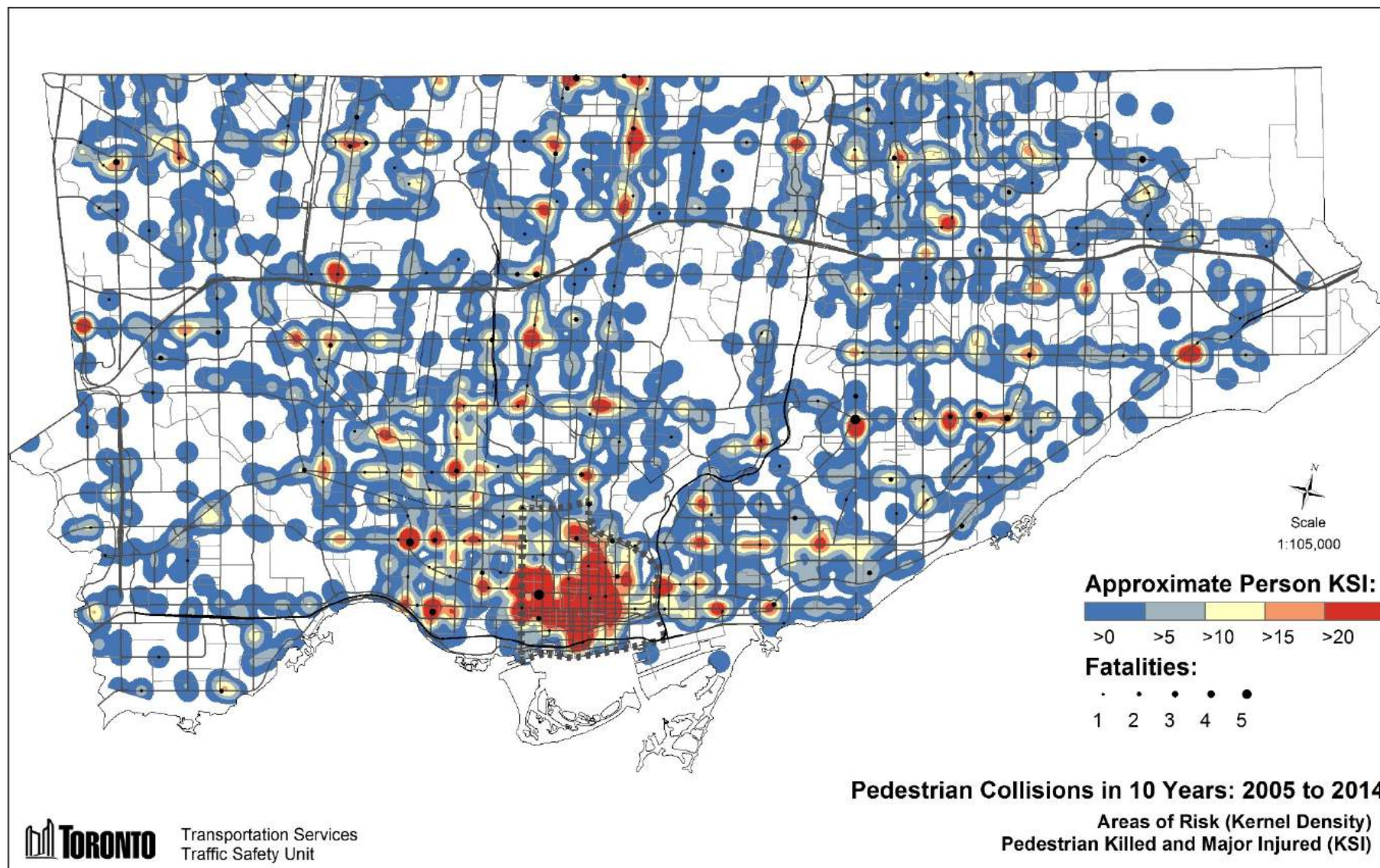


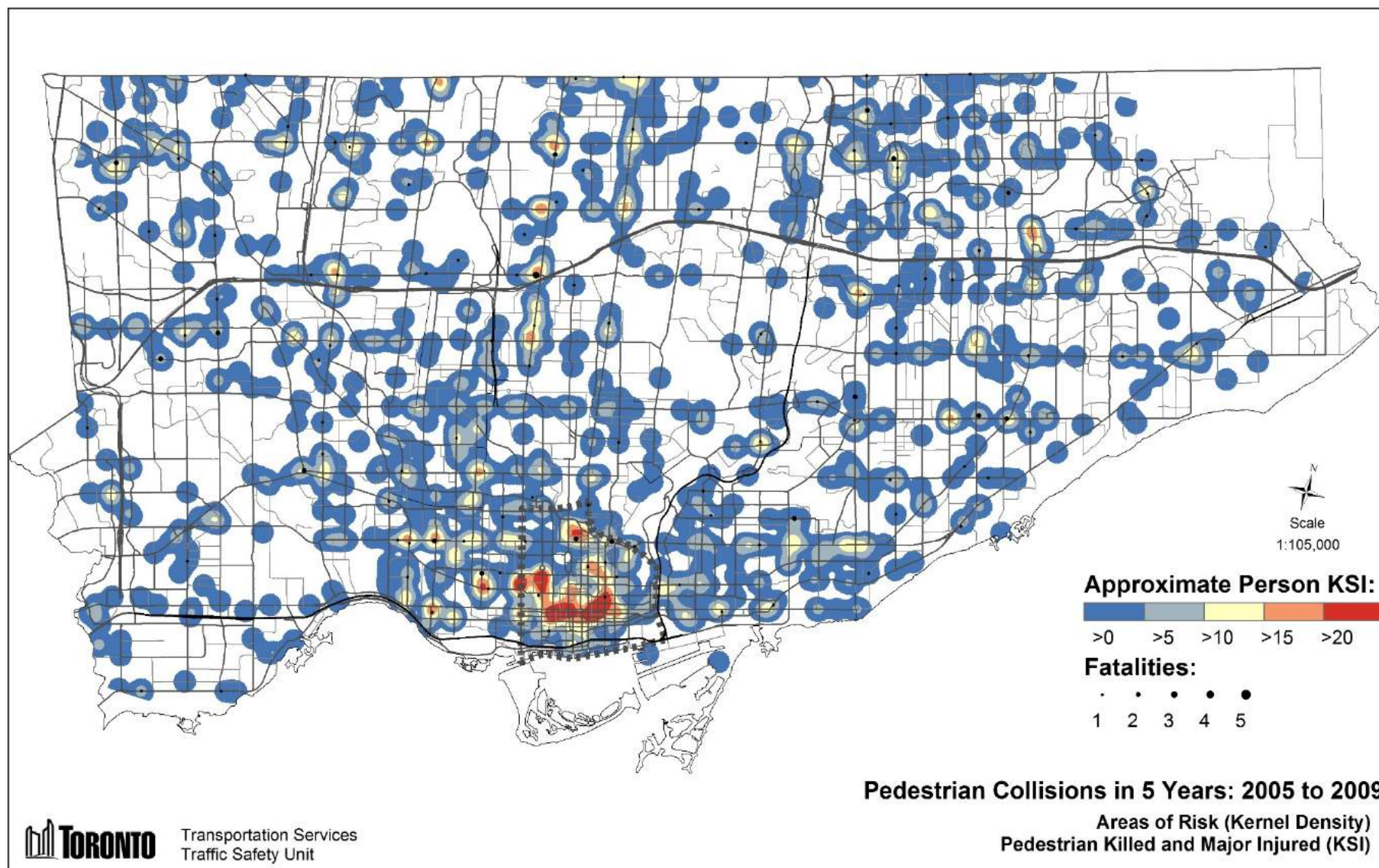
Pedestrian Collisions by Age Group

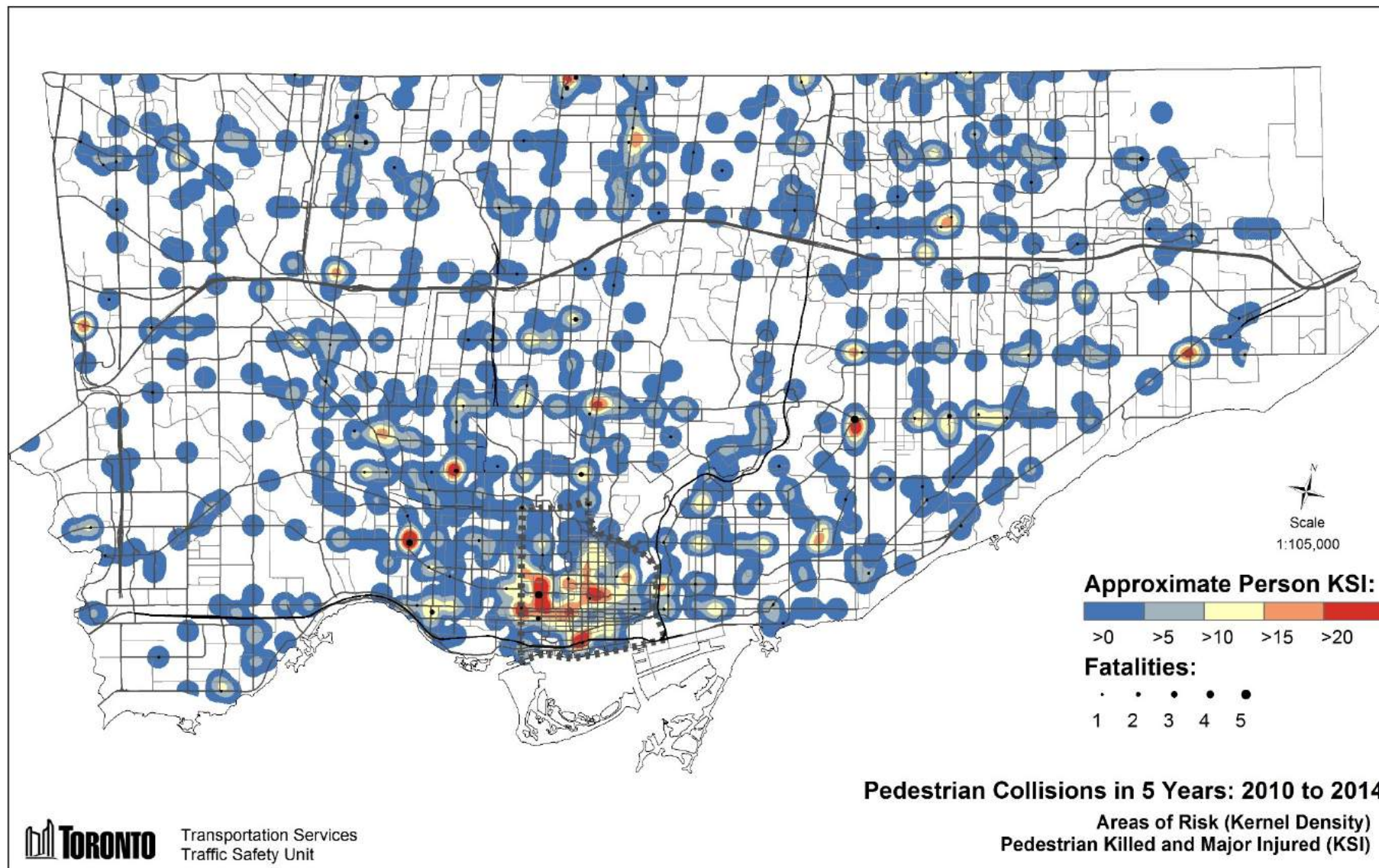


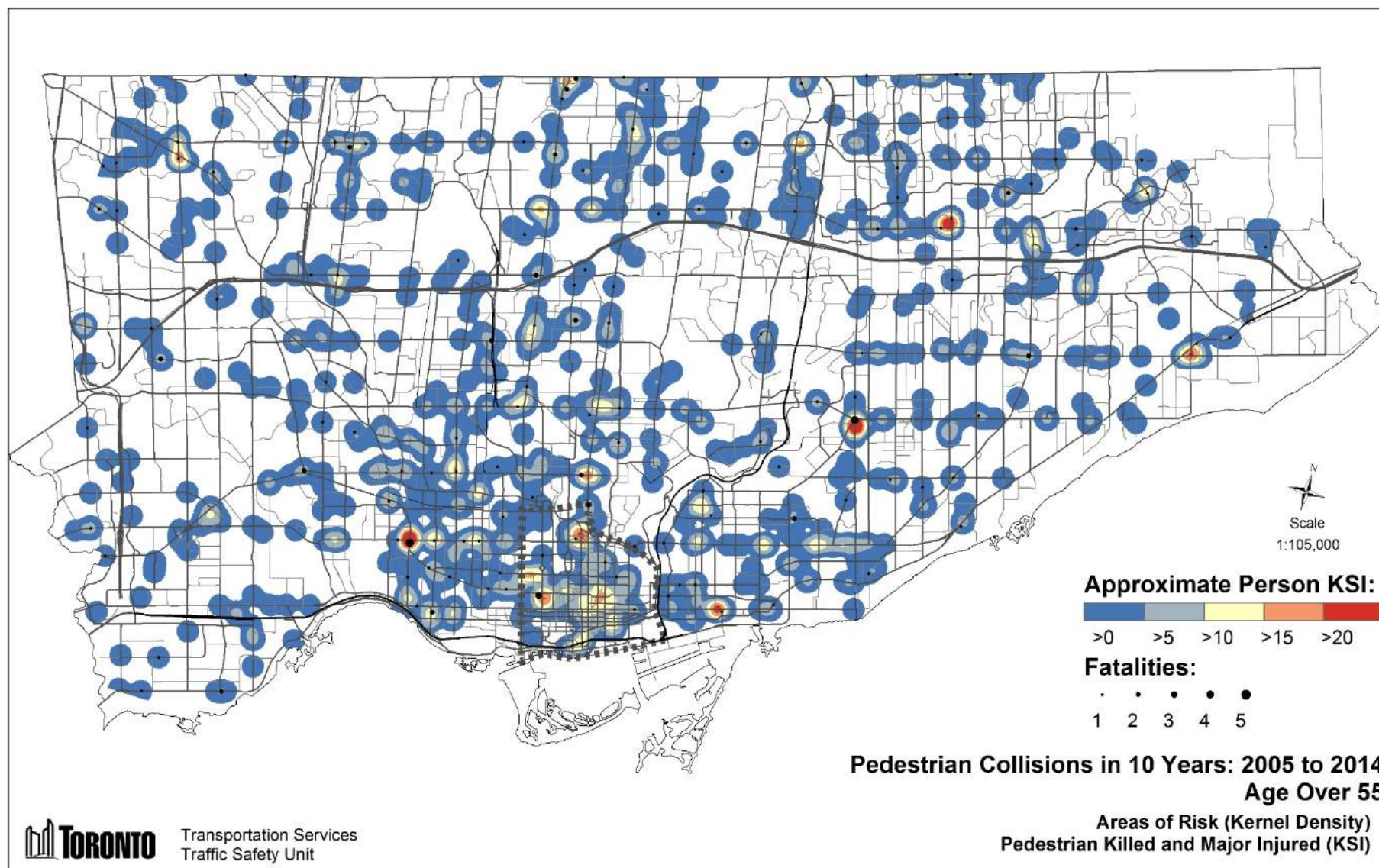
Fatalities by Mode



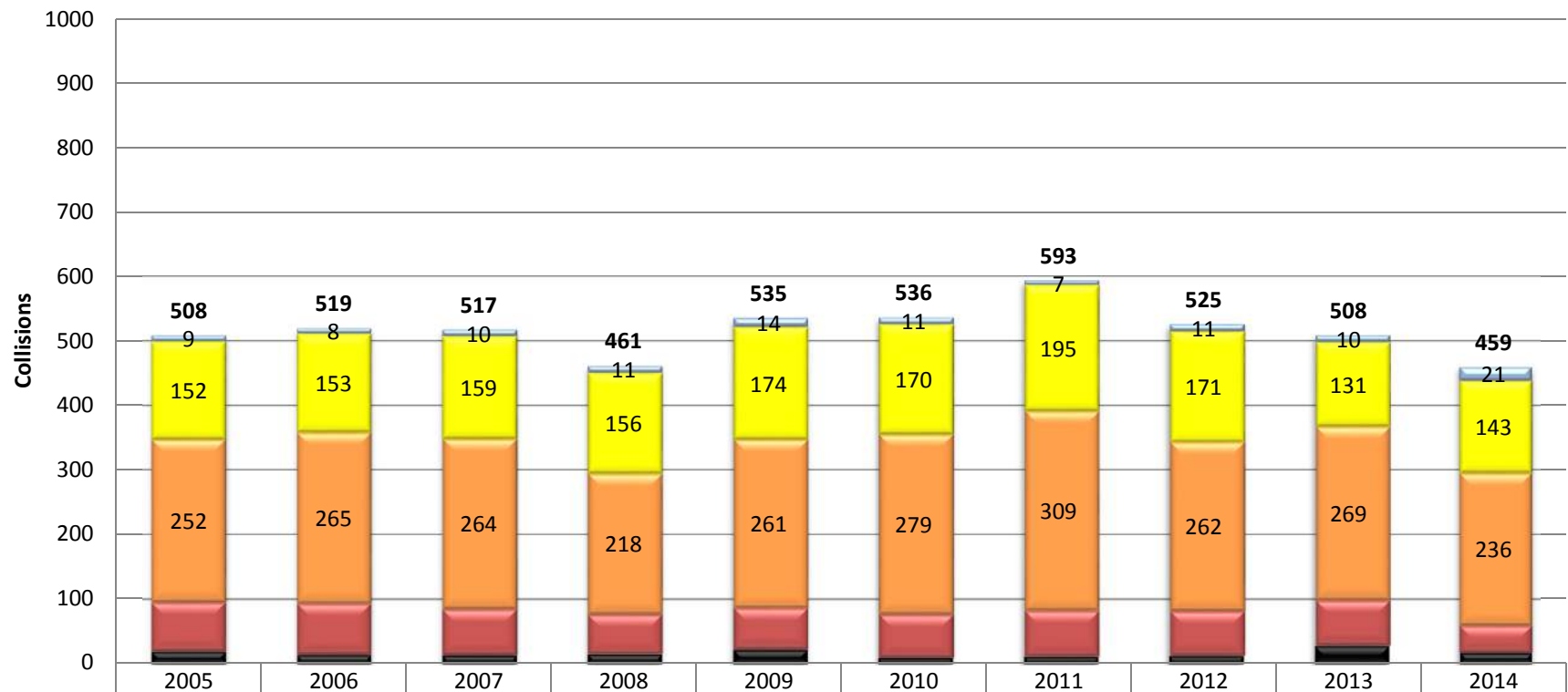






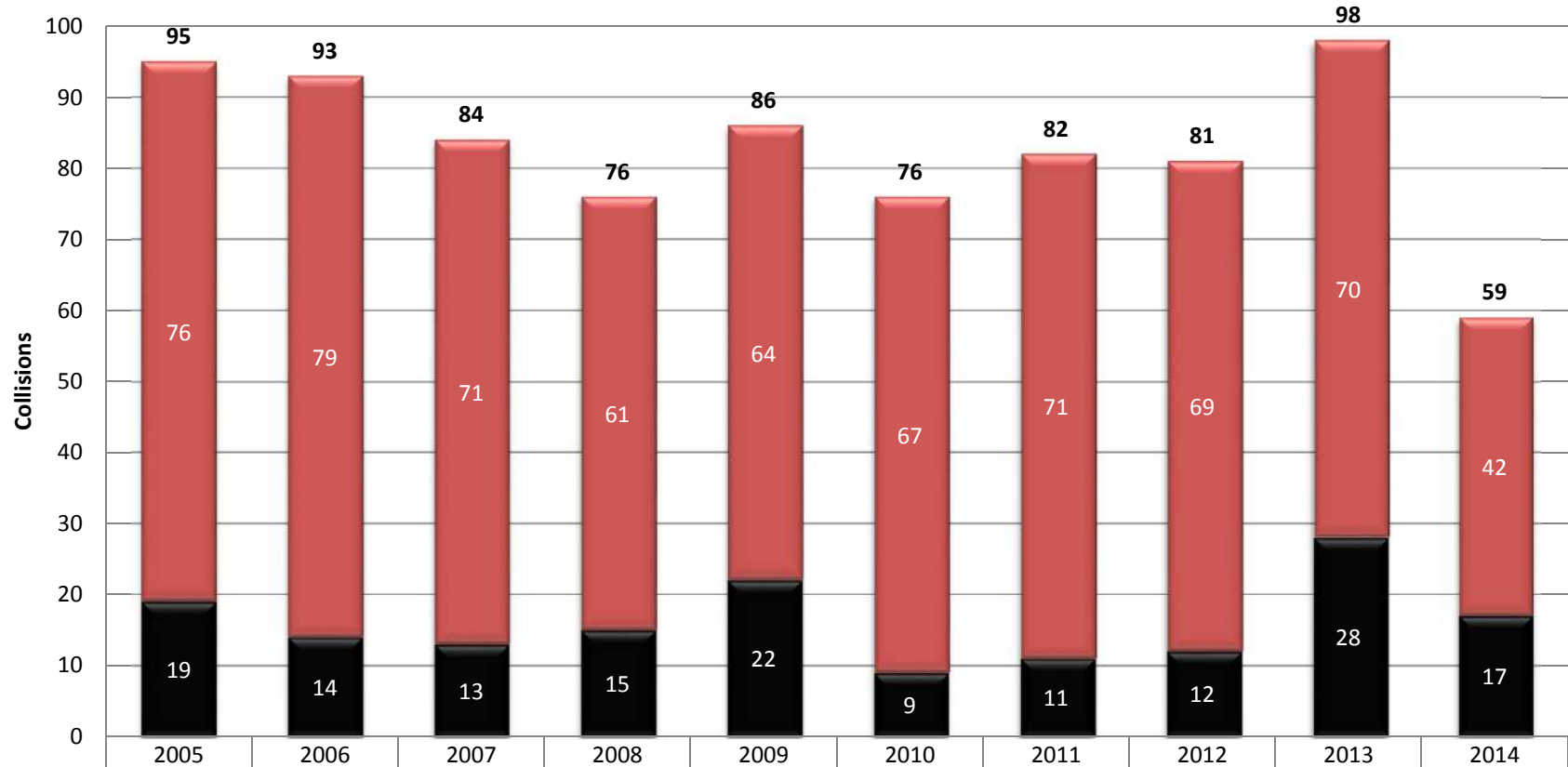


Pedestrian Collision Severity – Age Over 55

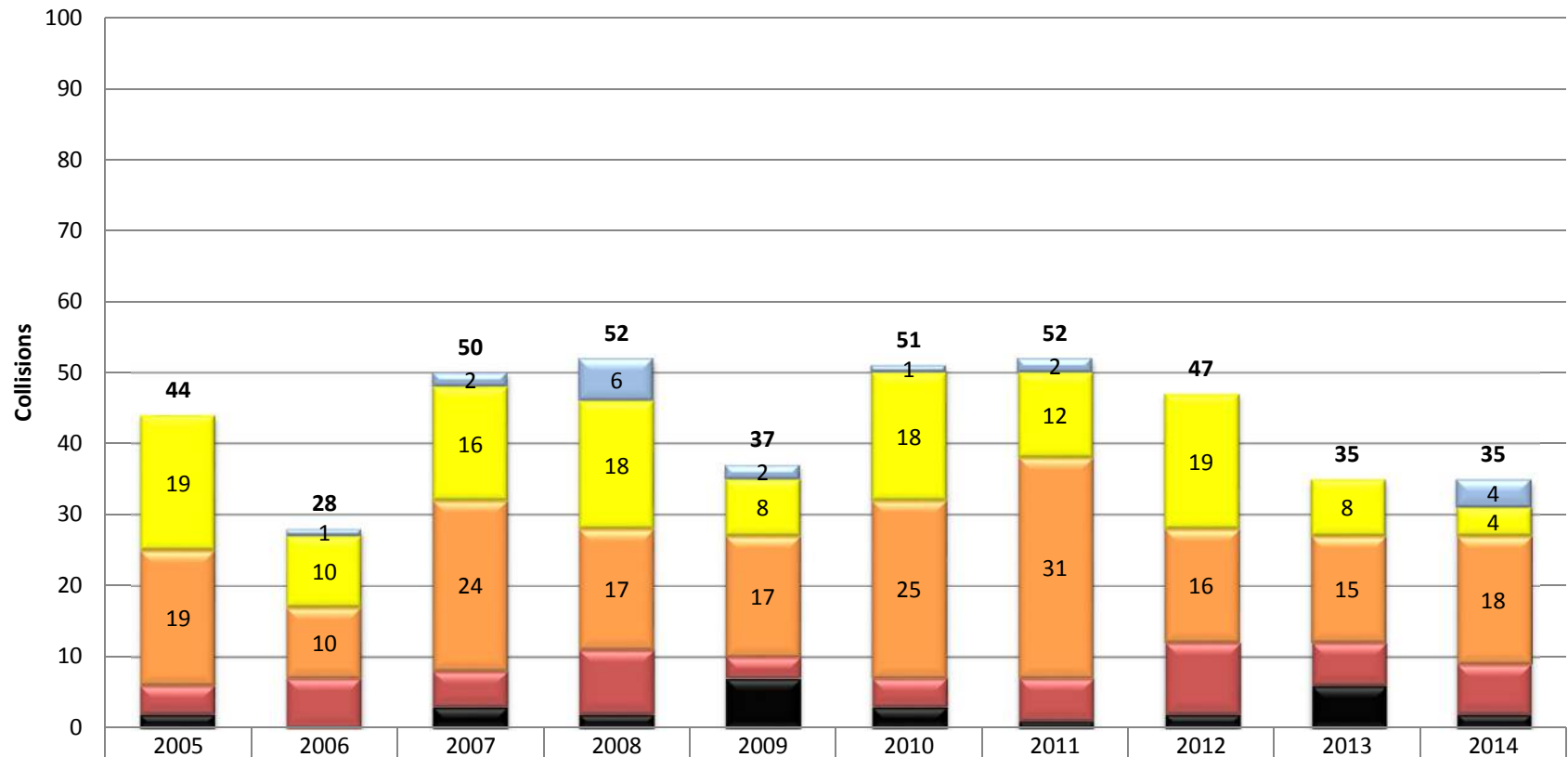


	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	508	519	517	461	535	536	593	525	508	459
No Injury	9	8	10	11	14	11	7	11	10	21
Minimal Injury	152	153	159	156	174	170	195	171	131	143
Minor Injury	252	265	264	218	261	279	309	262	269	236
Major Injury	76	79	71	61	64	67	71	69	70	42
Fatal Injury	19	14	13	15	22	9	11	12	28	17

KSI – Pedestrian Collisions – Age Over 55

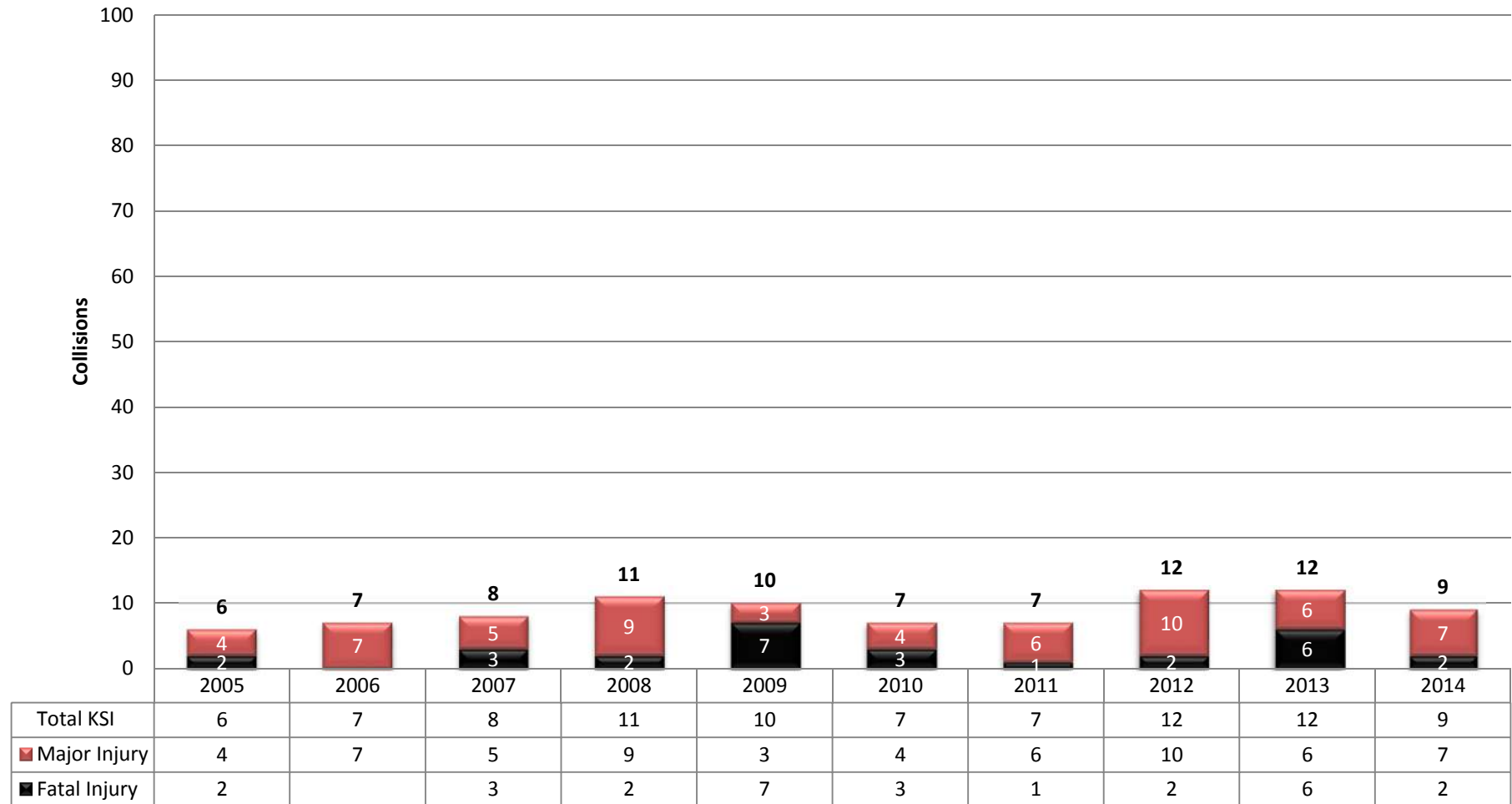


Collisions involving Pedestrians and Trucks

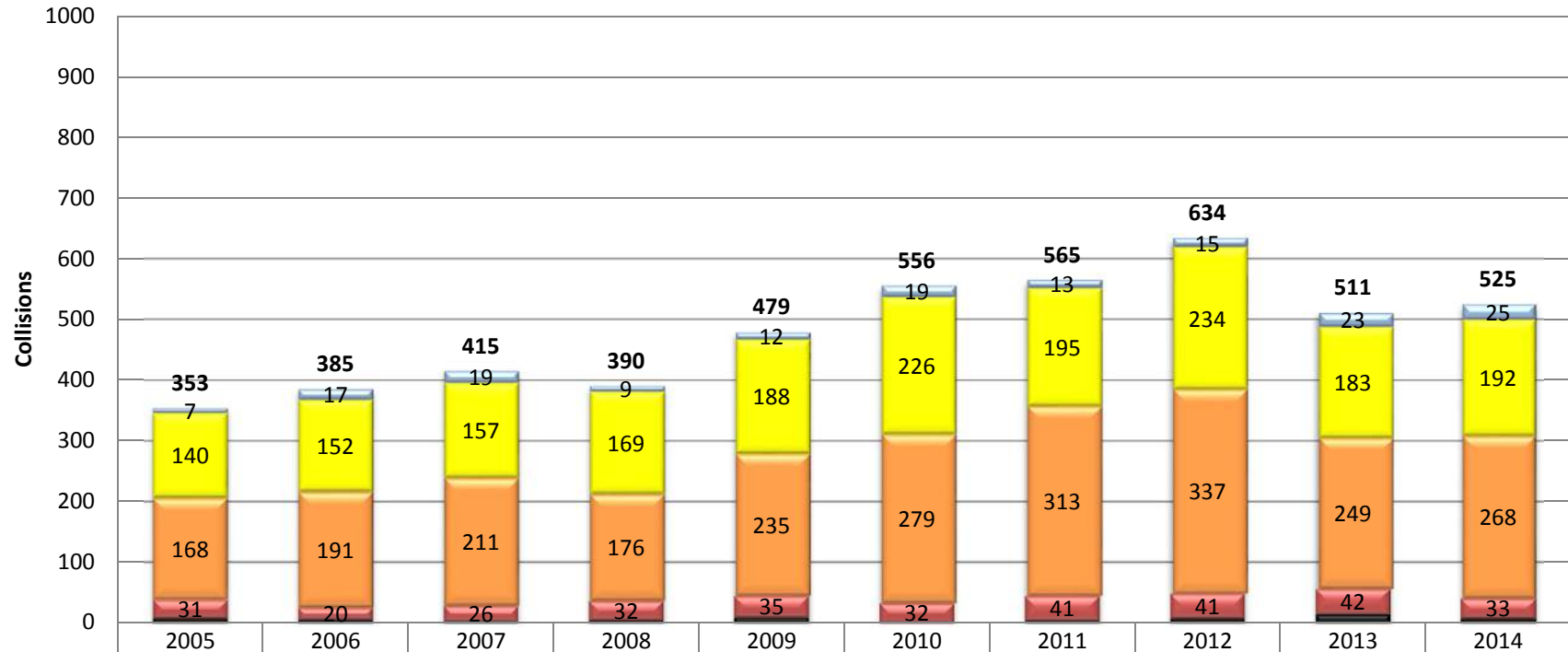


	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	44	28	50	52	37	51	52	47	35	35
No Injury		1	2	6	2	1	2			4
Minimal Injury	19	10	16	18	8	18	12	19	8	4
Minor Injury	19	10	24	17	17	25	31	16	15	18
Major Injury	4	7	5	9	3	4	6	10	6	7
Fatal Injury	2		3	2	7	3	1	2	6	2

KSI – Collisions involving Pedestrians and Trucks

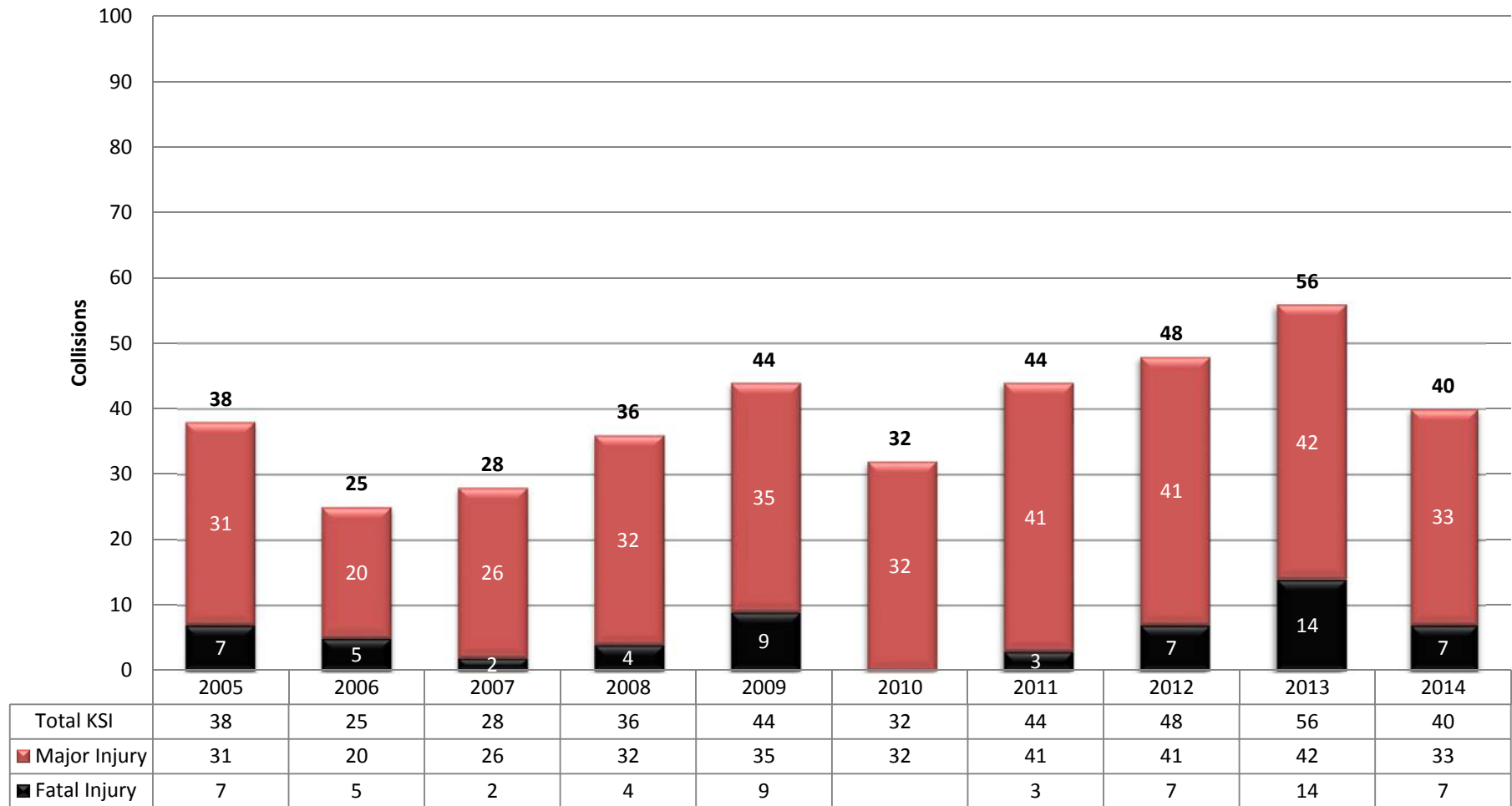


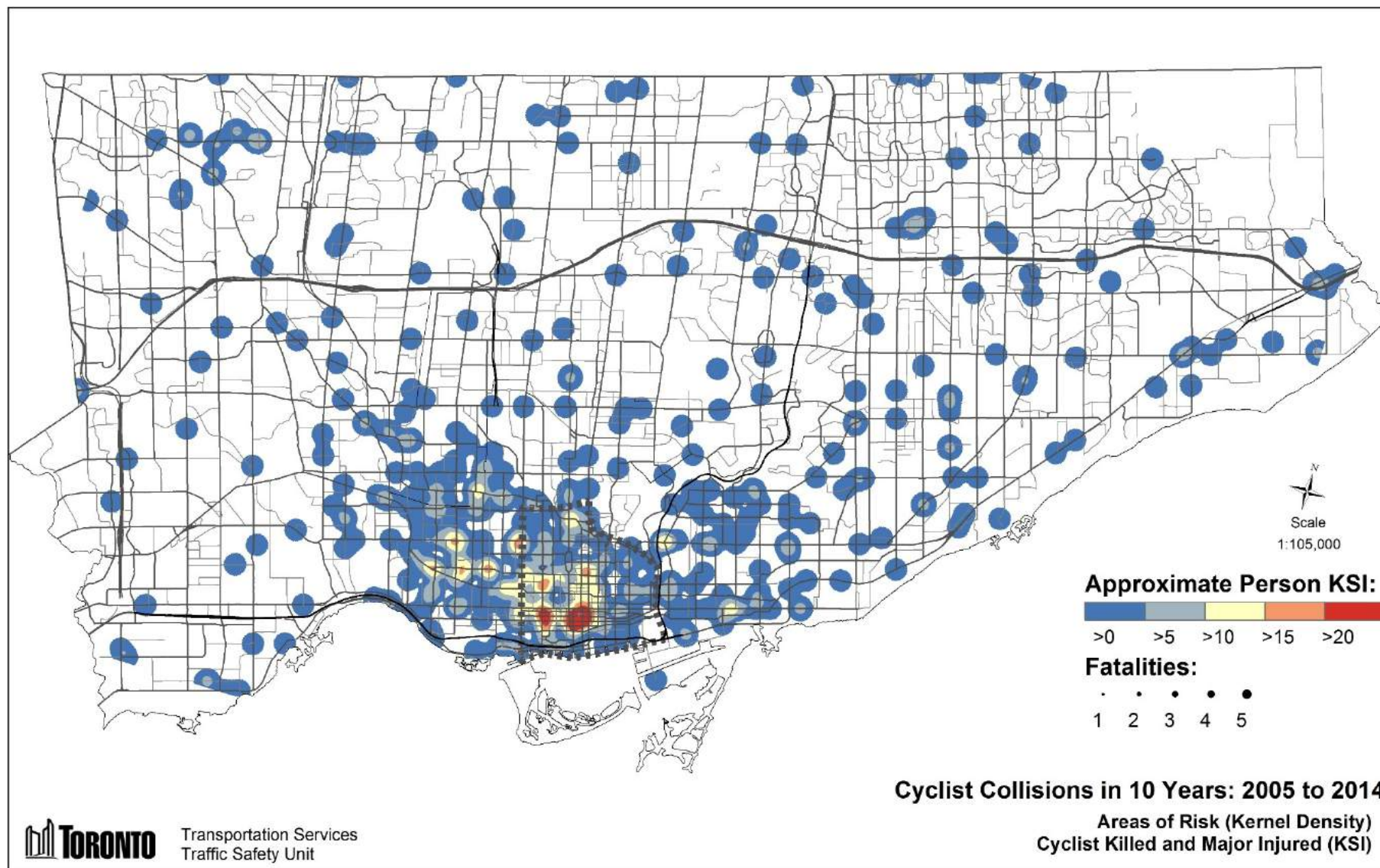
Collisions involving Pedestrians and Distracted Drivers

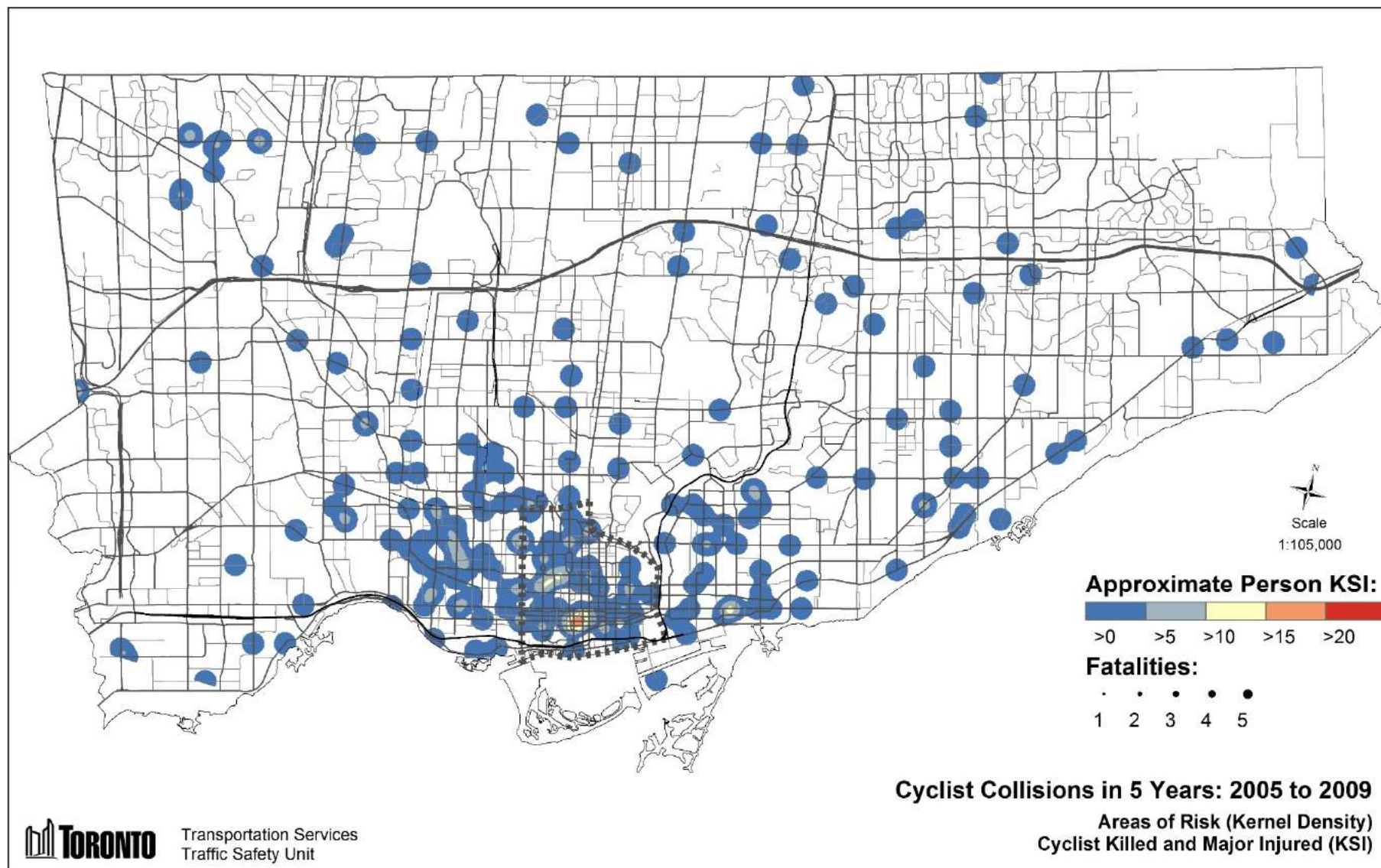


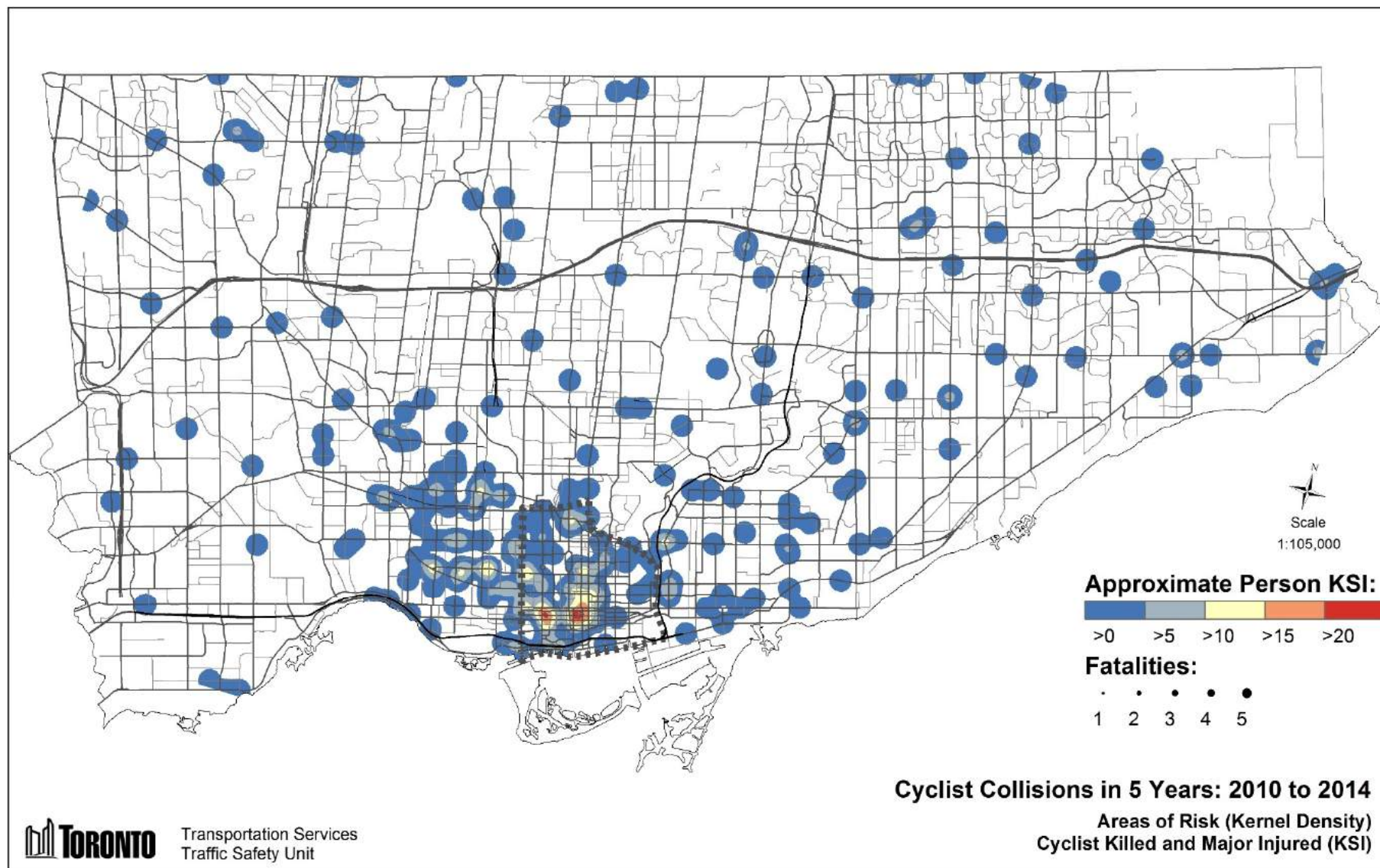
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	353	385	415	390	479	556	565	634	511	525
No Injury	7	17	19	9	12	19	13	15	23	25
Minimal Injury	140	152	157	169	188	226	195	234	183	192
Minor Injury	168	191	211	176	235	279	313	337	249	268
Major Injury	31	20	26	32	35	32	41	41	42	33
Fatal Injury	7	5	2	4	9		3	7	14	7

KSI – Collisions involving Pedestrians and Distracted Drivers

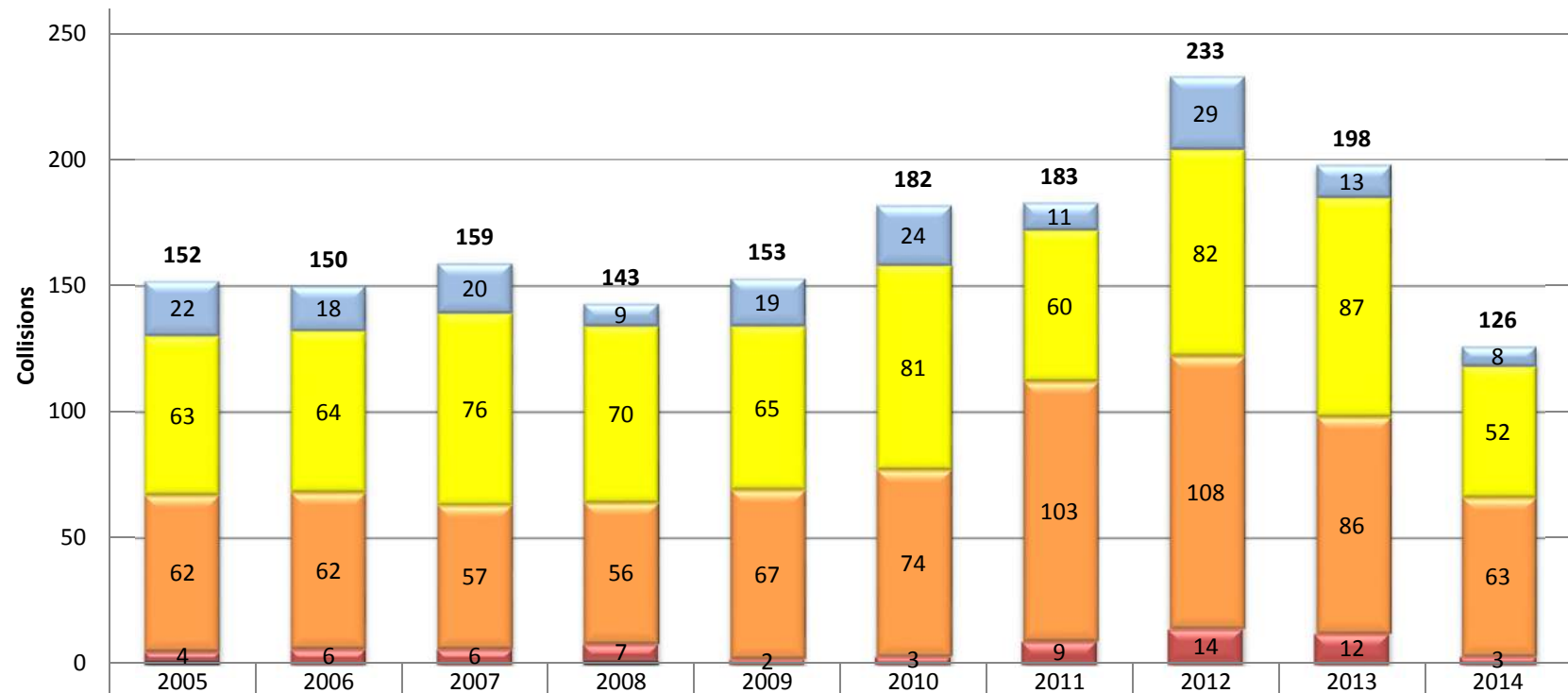






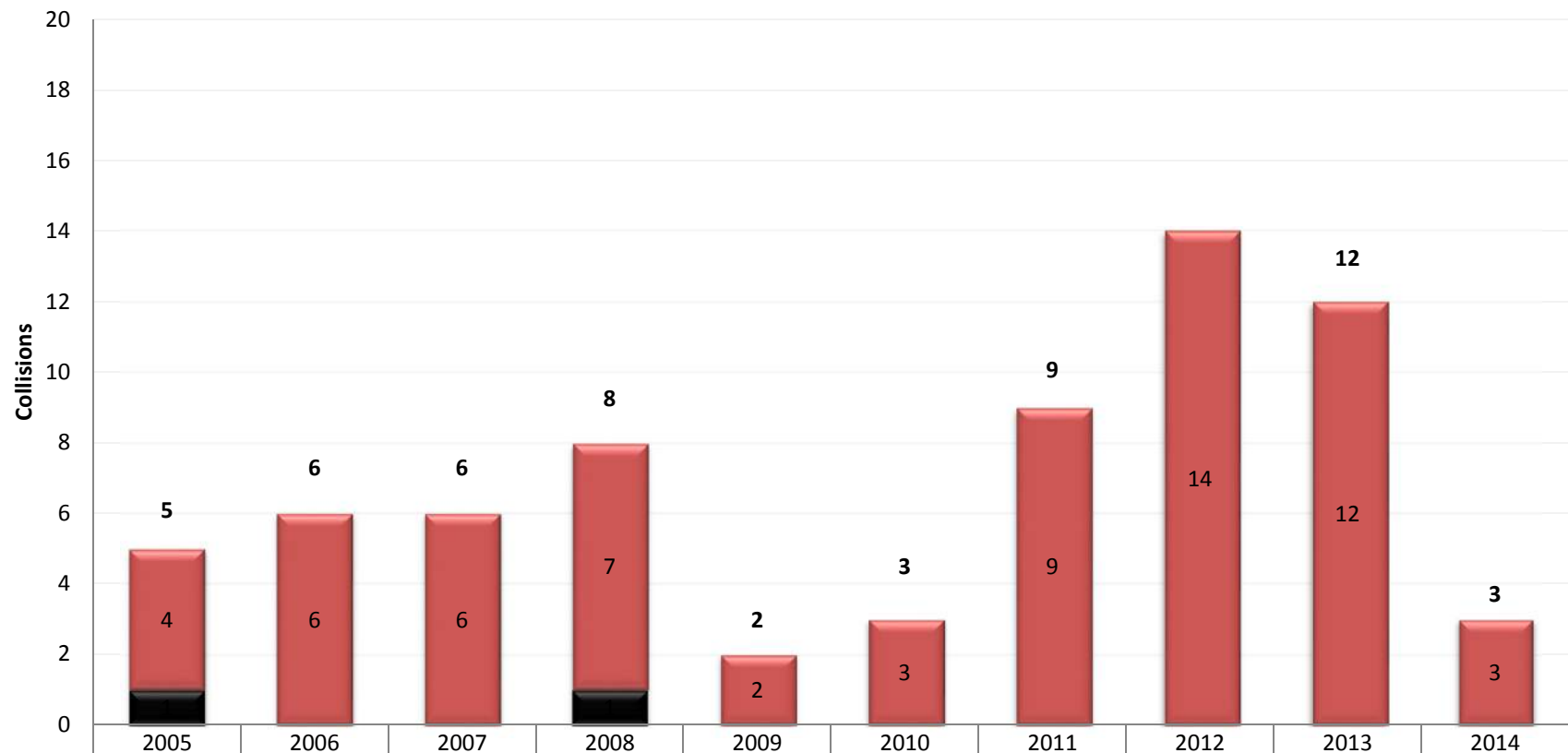


Cyclist Collision Severity – Motorist turned left across cyclist's path



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	152	150	159	143	153	182	183	233	198	126
No Injury	22	18	20	9	19	24	11	29	13	8
Minimal Injury	63	64	76	70	65	81	60	82	87	52
Minor Injury	62	62	57	56	67	74	103	108	86	63
Major Injury	4	6	6	7	2	3	9	14	12	3
Fatal Injury	1			1						

KSI – Cyclist Collision Severity – Motorist turned left across cyclist's path



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total KSI	5	6	6	8	2	3	9	14	12	3
Major Injury	4	6	6	7	2	3	9	14	12	3
Fatal Injury	1			1						

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