



## MICHIGAN ORV/ATV CRASHES ON PUBLIC ROADWAYS

### Most Harmful Event

NONCOLLISION	ORV/ATV		MOST SEVERE OUTCOME IN CRASH				
	Number of ORV/ATVs	% of Total	Fatal	Injury			PDO
				A	B	C	
Loss of control	3	1.2	0	0	1	1	1
Cross center/median	1	0.4	0	0	1	0	0
Ran off road left	1	0.4	0	1	0	0	0
Ran off road right	3	1.2	0	1	2	0	0
Re-enter road	0	0.0	0	0	0	0	0
Overturn	56	22.3	5	22	17	11	1
Separation of units	0	0.0	0	0	0	0	0
Fire/explosion	0	0.0	0	0	0	0	0
Immersion	0	0.0	0	0	0	0	0
Jackknife	0	0.0	0	0	0	0	0
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	0	0.0	0	0	0	0	0
Individual fell off	45	17.9	1	14	21	9	0
Other noncollision	5	2.0	0	3	2	0	0
<b>NONCOLLISION Subtotal</b>	<b>114</b>	<b>45.4</b>	<b>6</b>	<b>41</b>	<b>44</b>	<b>21</b>	<b>2</b>

HAD A COLLISION WITH NONFIXED OBJECT	ORV/ATV		MOST SEVERE OUTCOME IN CRASH				
	Number of ORV/ATVs	% of Total	Fatal	Injury			PDO
				A	B	C	
Pedestrian	1	0.4	0	1	0	0	0
Bicycle / pedalcycle	0	0.0	0	0	0	0	0
Motor vehicle in transport	70	27.9	0	16	19	12	23
Parked motor vehicle	4	1.6	0	0	2	0	2
Railway train	0	0.0	0	0	0	0	0
Animal	2	0.8	0	0	2	0	0
Other nonfixed objects	0	0.0	0	0	0	0	0
<b>COLLISION NONFIXED Subtotal</b>	<b>77</b>	<b>30.7</b>	<b>0</b>	<b>17</b>	<b>23</b>	<b>12</b>	<b>25</b>



## MICHIGAN ORV/ATV CRASHES ON PUBLIC ROADWAYS (continued)

### Most Harmful Event

HAD A COLLISION WITH FIXED OBJECT	ORV/ATV		MOST SEVERE OUTCOME IN CRASH				
	Number of ORV/ATVs	% of Total	Fatal	Injury			PDO
				A	B	C	
Bridge/pier/abutment	1	0.4	0	1	0	0	0
Bridge parapet end	0	0.0	0	0	0	0	0
Bridge rail	0	0.0	0	0	0	0	0
Guardrail face	0	0.0	0	0	0	0	0
Guardrail end	2	0.8	0	1	0	1	0
Median barrier	0	0.0	0	0	0	0	0
Highway traffic sign post	1	0.4	0	0	0	1	0
Highway signal post	0	0.0	0	0	0	0	0
Luminaire/light support	0	0.0	0	0	0	0	0
Utility pole	1	0.4	0	1	0	0	0
Other pole	0	0.0	0	0	0	0	0
Culvert	1	0.4	0	1	0	0	0
Curb	2	0.8	0	1	0	0	1
Ditch	12	4.8	0	6	3	2	1
Embankment	5	2.0	0	3	1	1	0
Fence	1	0.4	0	1	0	0	0
Mailbox	2	0.8	0	0	1	0	1
Tree	23	9.2	3	7	7	5	1
Rail crossing signal	0	0.0	0	0	0	0	0
Building	0	0.0	0	0	0	0	0
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	0	0.0	0	0	0	0	0
Impact attenuator	0	0.0	0	0	0	0	0
Other fixed object	6	2.4	0	3	2	1	0
<b>COLLISION FIXED Subtotal</b>	<b>57</b>	<b>22.7</b>	<b>3</b>	<b>25</b>	<b>14</b>	<b>11</b>	<b>4</b>
Unknown Event	3	1.2	0	1	1	0	1
<b>TOTAL MOST HARMFUL EVENT</b>	<b>251</b>	<b>100.0</b>	<b>9</b>	<b>84</b>	<b>82</b>	<b>44</b>	<b>32</b>

NOTE: These crashes involve a motor vehicle in transport on a public trafficway and result in injury, death, or at least \$1,000 in property damage.

A total of 251 off-road/all-terrain vehicles were reported in crashes on Michigan public roadways during 2009. Thirteen of those ORV/ATVs were involved in 10 fatal crashes with seven ORV/ATV operators and three ORV/ATV passengers killed. Alcohol was involved in seven of the fatal crashes, and two of those fatal crashes also involved drugs.