

# **Crash Rates and Crash Densities on Secondary Roads in Iowa by Functional Class**

## **2002 – 2011**

Prepared by:

Office of Traffic and Safety  
Systems Operation Bureau  
Highway Division

In cooperation with:

Office of Driver Services  
Motor Vehicle Division

February 18<sup>th</sup>, 2013

# **Iowa Department of Transportation**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
10-year Averages: 2002 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>1.86</b>	<b>1.86</b>	<b>78</b>	<b>283</b>
<b>Minor Arterial</b>	<b>2.09</b>	<b>2.31</b>	<b>67</b>	<b>213</b>
<b>Major Collector</b>	<b>2.75</b>	<b>3.02</b>	<b>55</b>	<b>161</b>
<b>Minor Collector</b>	<b>4.43</b>	<b>5.00</b>	<b>102</b>	<b>265</b>
<b>Local</b>	<b>5.97</b>	<b>6.61</b>	<b>164</b>	<b>418</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
9-year Averages: 2003 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>2.10</b>	<b>2.10</b>	<b>73</b>	<b>288</b>
<b>Minor Arterial</b>	<b>2.13</b>	<b>2.36</b>	<b>68</b>	<b>214</b>
<b>Major Collector</b>	<b>2.68</b>	<b>2.97</b>	<b>55</b>	<b>159</b>
<b>Minor Collector</b>	<b>4.38</b>	<b>4.95</b>	<b>100</b>	<b>259</b>
<b>Local</b>	<b>5.85</b>	<b>6.44</b>	<b>160</b>	<b>407</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
8-year Averages: 2004 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>2.49</b>	<b>2.49</b>	<b>77</b>	<b>300</b>
<b>Minor Arterial</b>	<b>2.11</b>	<b>2.38</b>	<b>67</b>	<b>212</b>
<b>Major Collector</b>	<b>2.68</b>	<b>2.97</b>	<b>54</b>	<b>157</b>
<b>Minor Collector</b>	<b>4.33</b>	<b>4.93</b>	<b>99</b>	<b>253</b>
<b>Local</b>	<b>5.69</b>	<b>6.27</b>	<b>158</b>	<b>398</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
7-year Averages: 2005- 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>72</b>	<b>289</b>
<b>Minor Arterial</b>	<b>2.18</b>	<b>2.44</b>	<b>69</b>	<b>216</b>
<b>Major Collector</b>	<b>2.67</b>	<b>2.97</b>	<b>54</b>	<b>155</b>
<b>Minor Collector</b>	<b>4.26</b>	<b>4.91</b>	<b>98</b>	<b>249</b>
<b>Local</b>	<b>5.66</b>	<b>6.27</b>	<b>155</b>	<b>391</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
6-year Averages: 2006 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>72</b>	<b>289</b>
<b>Minor Arterial</b>	<b>2.16</b>	<b>2.46</b>	<b>67</b>	<b>215</b>
<b>Major Collector</b>	<b>2.59</b>	<b>2.84</b>	<b>53</b>	<b>154</b>
<b>Minor Collector</b>	<b>4.09</b>	<b>4.69</b>	<b>95</b>	<b>243</b>
<b>Local</b>	<b>5.59</b>	<b>6.22</b>	<b>150</b>	<b>382</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
5-year Averages: 2007 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>72</b>	<b>291</b>
<b>Minor Arterial</b>	<b>2.17</b>	<b>2.48</b>	<b>65</b>	<b>212</b>
<b>Major Collector</b>	<b>2.46</b>	<b>2.68</b>	<b>51</b>	<b>152</b>
<b>Minor Collector</b>	<b>4.10</b>	<b>4.68</b>	<b>92</b>	<b>236</b>
<b>Local</b>	<b>5.61</b>	<b>6.22</b>	<b>144</b>	<b>373</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
4-year Averages: 2008 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>71</b>	<b>274</b>
<b>Minor Arterial</b>	<b>2.19</b>	<b>2.50</b>	<b>63</b>	<b>210</b>
<b>Major Collector</b>	<b>2.46</b>	<b>2.68</b>	<b>50</b>	<b>149</b>
<b>Minor Collector</b>	<b>4.02</b>	<b>4.56</b>	<b>88</b>	<b>227</b>
<b>Local</b>	<b>5.53</b>	<b>6.14</b>	<b>141</b>	<b>363</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
3-year Averages: 2009 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>65</b>	<b>272</b>
<b>Minor Arterial</b>	<b>2.21</b>	<b>2.52</b>	<b>60</b>	<b>203</b>
<b>Major Collector</b>	<b>2.40</b>	<b>2.58</b>	<b>48</b>	<b>144</b>
<b>Minor Collector</b>	<b>3.92</b>	<b>4.48</b>	<b>86</b>	<b>222</b>
<b>Local</b>	<b>5.39</b>	<b>5.85</b>	<b>139</b>	<b>355</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
2-year Averages: 2010 - 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>73</b>	<b>291</b>
<b>Minor Arterial</b>	<b>1.74</b>	<b>2.21</b>	<b>56</b>	<b>195</b>
<b>Major Collector</b>	<b>2.27</b>	<b>2.47</b>	<b>47</b>	<b>141</b>
<b>Minor Collector</b>	<b>4.08</b>	<b>4.44</b>	<b>85</b>	<b>216</b>
<b>Local</b>	<b>5.10</b>	<b>5.44</b>	<b>139</b>	<b>348</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2010**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>78</b>	<b>379</b>
<b>Minor Arterial</b>	<b>1.89</b>	<b>1.89</b>	<b>60</b>	<b>205</b>
<b>Major Collector</b>	<b>2.38</b>	<b>2.56</b>	<b>47</b>	<b>137</b>
<b>Minor Collector</b>	<b>3.84</b>	<b>4.08</b>	<b>83</b>	<b>209</b>
<b>Local</b>	<b>5.00</b>	<b>5.49</b>	<b>137</b>	<b>341</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
10-year Averages: 2002 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	283	1.86	78	11.14	76	9.28	27	40	205	114	1.86	12.07	10.21	36	61	4.64
Principal Arterial	213	2.09	67	9.80	65	7.71	23	35	146	98	2.31	11.86	9.55	31	50	5.21
Minor Arterial	161	2.75	55	11.18	53	8.42	20	24	106	79	3.02	13.76	10.74	29	32	4.54
Major Collector	265	4.43	102	19.01	98	14.58	39	44	163	151	5.00	23.79	18.79	57	60	9.76
Minor Collector	418	5.97	164	28.05	159	22.08	62	74	253	243	6.61	35.21	28.60	92	99	16.33
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
9-year Averages: 2003 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	288	2.10	73	10.48	71	8.39	26	37	215	109	2.10	11.53	9.44	35	59	4.19
Principal Arterial	214	2.13	68	9.89	65	7.76	22	35	147	99	2.36	12.05	9.69	31	50	5.43
Minor Arterial	159	2.68	55	10.91	52	8.23	20	24	105	79	2.97	13.45	10.48	28	32	4.77
Major Collector	259	4.38	100	18.64	95	14.26	38	44	159	147	4.95	23.34	18.38	56	58	10.17
Minor Collector	407	5.85	160	27.16	155	21.31	60	74	247	236	6.44	33.91	27.47	88	97	17.14
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
8-year Averages: 2004 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	300	2.49	77	9.95	75	7.46	30	37	223	112	2.49	11.19	8.70	39	58	3.73
Principal Arterial	212	2.11	67	9.65	65	7.54	22	35	145	98	2.38	11.88	9.50	31	50	5.20
Minor Arterial	157	2.68	54	10.73	52	8.05	20	24	103	78	2.97	13.28	10.31	28	32	4.98
Major Collector	253	4.33	99	18.31	94	13.98	37	44	154	146	4.93	23.06	18.13	55	57	10.70
Minor Collector	398	5.69	158	26.61	152	20.92	58	73	240	232	6.27	33.43	27.16	86	95	17.85
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
7-year Averages: 2005- 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	289	0.00	72	8.60	72	8.60	26	37	218	105	0.00	10.03	10.03	36	56	2.87
Principal Arterial	216	2.18	69	9.92	66	7.74	22	36	147	100	2.44	11.92	9.49	31	52	5.48
Minor Arterial	155	2.67	54	10.40	51	7.73	19	24	102	76	2.97	12.81	9.85	27	31	5.02
Major Collector	249	4.26	98	17.76	94	13.51	36	44	151	144	4.91	22.53	17.63	53	57	11.11
Minor Collector	391	5.66	155	25.67	149	20.01	57	72	236	227	6.27	32.13	25.87	84	93	18.22
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
6-year Averages: 2006 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	289	0.00	72	8.35	72	8.35	23	40	217	104	0.00	10.02	10.02	35	55	3.34
Principal Arterial	215	2.16	67	9.80	64	7.65	22	35	148	97	2.46	11.65	9.19	30	51	4.31
Minor Arterial	154	2.59	53	10.17	50	7.58	19	23	101	74	2.84	12.43	9.59	27	30	4.31
Major Collector	243	4.09	95	17.14	91	13.04	35	43	148	139	4.69	21.67	16.98	52	56	9.73
Minor Collector	382	5.59	150	24.80	144	19.21	55	70	232	219	6.22	31.26	25.04	82	90	16.66
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
5-year Averages: 2007 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	291	0.00	72	7.96	72	7.96	24	40	219	98	0.00	7.96	7.96	36	52	1.99
Principal Arterial	212	2.17	65	9.05	63	6.88	20	35	147	95	2.48	10.73	8.25	29	51	3.84
Minor Arterial	152	2.46	51	9.76	49	7.30	18	23	100	72	2.68	11.95	9.27	26	30	3.98
Major Collector	236	4.10	92	16.70	88	12.59	34	41	144	134	4.68	21.25	16.58	51	54	8.44
Minor Collector	373	5.61	144	24.36	139	18.75	53	67	228	212	6.22	30.72	24.50	78	88	15.23
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
4-year Averages: 2008 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	274	0.00	71	7.39	71	7.39	27	37	202	101	0.00	7.39	7.39	42	49	2.46
Principal Arterial	210	2.19	63	8.60	61	6.41	19	35	147	92	2.50	10.25	7.74	27	51	3.44
Minor Arterial	149	2.46	50	9.42	48	6.96	18	23	99	71	2.68	11.51	8.84	25	30	3.76
Major Collector	227	4.02	88	15.62	84	11.61	34	38	139	128	4.56	20.00	15.44	49	50	7.92
Minor Collector	363	5.53	141	23.67	136	18.15	52	66	221	208	6.14	30.13	23.99	76	87	14.76
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**3-year Averages: 2009 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	272	0.00	65	3.24	65	3.24	26	36	207	87	0.00	3.24	3.24	36	45	3.24
Principal Arterial	203	2.21	60	8.20	58	5.99	18	34	142	90	2.52	10.10	7.57	26	50	3.79
Minor Arterial	144	2.40	48	9.35	46	6.95	17	22	96	69	2.58	11.34	8.77	24	30	3.61
Major Collector	222	3.92	86	15.31	82	11.39	34	37	135	125	4.48	19.94	15.47	49	49	7.83
Minor Collector	355	5.39	139	23.24	134	17.85	51	64	216	203	5.85	28.99	23.14	75	85	14.90
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**2-year Averages: 2010 - 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	291	0.00	73	4.85	73	4.85	24	44	218	87	0.00	4.85	4.85	34	44	4.85
Principal Arterial	195	1.74	56	6.78	54	5.05	18	31	139	85	2.21	9.15	6.94	26	48	3.15
Minor Arterial	141	2.27	47	8.95	45	6.67	17	22	93	67	2.47	10.82	8.34	24	29	3.62
Major Collector	216	4.08	85	16.43	81	12.35	31	38	131	121	4.44	20.62	16.19	45	48	7.67
Minor Collector	348	5.10	139	22.50	134	17.41	51	65	209	203	5.44	28.00	22.55	73	86	15.20

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**1-year Average: 2010**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	379	0.00	78	0.00	78	0.00	10	68	301	87	0.00	0.00	0.00	10	68	9.71
Principal Arterial	205	1.89	60	5.99	58	4.10	19	35	145	92	1.89	7.89	5.99	24	56	3.15
Minor Arterial	137	2.38	47	9.39	44	7.01	16	21	90	67	2.56	11.15	8.59	24	29	3.34
Major Collector	209	3.84	83	17.27	79	13.43	29	37	126	118	4.08	22.30	18.23	42	47	5.88
Minor Collector	341	5.00	137	23.24	132	18.24	53	61	204	201	5.49	29.02	23.53	74	85	12.65
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
10-year Averages: 2001 - 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.79	0.02	1.04	0.15	1.02	0.12	0.36	0.53	2.74	1.53	0.02	0.16	0.14	0.48	0.82	0.06
Principal Arterial	1.83	0.02	0.58	0.08	0.56	0.07	0.19	0.30	1.25	0.84	0.02	0.10	0.08	0.27	0.43	0.04
Minor Arterial	0.37	0.01	0.13	0.03	0.12	0.02	0.05	0.06	0.25	0.18	0.01	0.03	0.02	0.07	0.07	0.01
Major Collector	0.14	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.08	0.00	0.01	0.01	0.03	0.03	0.01
Minor Collector	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
9-year Averages: 2002 - 2010

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.77	0.03	0.96	0.14	0.93	0.11	0.34	0.48	2.81	1.42	0.03	0.15	0.12	0.45	0.77	0.05
Principal Arterial	1.81	0.02	0.57	0.08	0.55	0.07	0.19	0.30	1.24	0.84	0.02	0.10	0.08	0.26	0.42	0.05
Minor Arterial	0.37	0.01	0.13	0.03	0.12	0.02	0.05	0.06	0.24	0.18	0.01	0.03	0.02	0.07	0.07	0.01
Major Collector	0.14	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.08	0.00	0.01	0.01	0.03	0.03	0.01
Minor Collector	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
8-year Averages: 2003 - 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.96	0.03	1.02	0.13	0.99	0.10	0.39	0.49	2.94	1.48	0.03	0.15	0.11	0.51	0.77	0.05
Principal Arterial	1.79	0.02	0.57	0.08	0.55	0.06	0.19	0.30	1.22	0.83	0.02	0.10	0.08	0.26	0.42	0.04
Minor Arterial	0.37	0.01	0.13	0.02	0.12	0.02	0.05	0.06	0.24	0.18	0.01	0.03	0.02	0.07	0.07	0.01
Major Collector	0.13	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.08	0.00	0.01	0.01	0.03	0.03	0.01
Minor Collector	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
7-year Averages: 2004 - 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.75	0.00	0.93	0.11	0.93	0.11	0.33	0.48	2.82	1.35	0.00	0.13	0.13	0.46	0.72	0.04
Principal Arterial	1.81	0.02	0.58	0.08	0.56	0.07	0.19	0.31	1.24	0.84	0.02	0.10	0.08	0.26	0.43	0.05
Minor Arterial	0.36	0.01	0.12	0.02	0.12	0.02	0.04	0.06	0.24	0.18	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.13	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.08	0.00	0.01	0.01	0.03	0.03	0.01
Minor Collector	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
6-year Averages: 2005 - 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.74	0.00	0.93	0.11	0.93	0.11	0.30	0.52	2.81	1.34	0.00	0.13	0.13	0.45	0.71	0.04
Principal Arterial	1.80	0.02	0.56	0.08	0.54	0.06	0.18	0.29	1.24	0.81	0.02	0.10	0.08	0.25	0.42	0.04
Minor Arterial	0.36	0.01	0.12	0.02	0.12	0.02	0.04	0.05	0.24	0.17	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.13	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.07	0.00	0.01	0.01	0.03	0.03	0.01
Minor Collector	0.06	0.00	0.03	0.00	0.02	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
5-year Averages: 2006 - 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.81	0.00	0.94	0.10	0.94	0.10	0.31	0.52	2.87	1.28	0.00	0.10	0.10	0.47	0.68	0.03
Principal Arterial	1.77	0.02	0.54	0.08	0.52	0.06	0.17	0.30	1.22	0.79	0.02	0.09	0.07	0.24	0.42	0.03
Minor Arterial	0.35	0.01	0.12	0.02	0.11	0.02	0.04	0.05	0.23	0.17	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.12	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Minor Collector	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
4-year Averages: 2007 - 2010

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.62	0.00	0.95	0.10	0.95	0.10	0.36	0.49	2.68	1.34	0.00	0.10	0.10	0.55	0.65	0.03
Principal Arterial	1.74	0.02	0.52	0.07	0.50	0.05	0.16	0.29	1.22	0.76	0.02	0.08	0.06	0.23	0.42	0.03
Minor Arterial	0.34	0.01	0.12	0.02	0.11	0.02	0.04	0.05	0.23	0.16	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.12	0.00	0.05	0.01	0.04	0.01	0.02	0.02	0.07	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Minor Collector	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.01	0.00
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
3-year Averages: 2008 - 2010

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.66	0.00	0.87	0.04	0.87	0.04	0.35	0.48	2.79	1.18	0.00	0.04	0.04	0.48	0.61	0.04
Principal Arterial	1.67	0.02	0.50	0.07	0.48	0.05	0.15	0.28	1.17	0.74	0.02	0.08	0.06	0.22	0.41	0.03
Minor Arterial	0.33	0.01	0.11	0.02	0.11	0.02	0.04	0.05	0.22	0.16	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.12	0.00	0.05	0.01	0.04	0.01	0.02	0.02	0.07	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Minor Collector	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.03	0.00	0.00	0.00	0.01	0.01	0.00
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
2-year Averages: 2009 - 2010

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	3.93	0.00	0.98	0.07	0.98	0.07	0.33	0.59	2.94	1.18	0.00	0.07	0.07	0.46	0.59	0.07
Principal Arterial	1.61	0.01	0.46	0.06	0.45	0.04	0.15	0.26	1.15	0.71	0.02	0.08	0.06	0.21	0.39	0.03
Minor Arterial	0.33	0.01	0.11	0.02	0.10	0.02	0.04	0.05	0.22	0.16	0.01	0.02	0.02	0.06	0.07	0.01
Major Collector	0.11	0.00	0.04	0.01	0.04	0.01	0.02	0.02	0.07	0.06	0.00	0.01	0.01	0.02	0.02	0.00
Minor Collector	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.03	0.00	0.00	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Averages: 2010**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Major Injury Crash Densities	Minor Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	5.10	0.00	1.05	0.00	1.05	0.00	0.13	0.92	4.06	1.18	0.00	0.00	0.00	0.13	0.92	0.13
Principal Arterial	1.69	0.02	0.49	0.05	0.48	0.03	0.15	0.29	1.20	0.76	0.02	0.07	0.05	0.20	0.47	0.03
Minor Arterial	0.32	0.01	0.11	0.02	0.10	0.02	0.04	0.05	0.21	0.16	0.01	0.03	0.02	0.06	0.07	0.01
Major Collector	0.11	0.00	0.04	0.01	0.04	0.01	0.02	0.02	0.07	0.06	0.00	0.01	0.01	0.02	0.02	0.00
Minor Collector	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.03	0.03	0.00	0.00	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2011**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>78</b>	<b>379</b>
<b>Minor Arterial</b>	<b>1.89</b>	<b>1.89</b>	<b>60</b>	<b>205</b>
<b>Major Collector</b>	<b>2.38</b>	<b>2.56</b>	<b>47</b>	<b>137</b>
<b>Minor Collector</b>	<b>3.84</b>	<b>4.08</b>	<b>83</b>	<b>209</b>
<b>Local</b>	<b>5.00</b>	<b>5.49</b>	<b>137</b>	<b>341</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2010**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>68</b>	<b>204</b>
<b>Minor Arterial</b>	<b>1.58</b>	<b>2.52</b>	<b>52</b>	<b>186</b>
<b>Major Collector</b>	<b>2.16</b>	<b>2.38</b>	<b>48</b>	<b>145</b>
<b>Minor Collector</b>	<b>4.32</b>	<b>4.80</b>	<b>86</b>	<b>222</b>
<b>Local</b>	<b>5.20</b>	<b>5.39</b>	<b>140</b>	<b>355</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2009**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>49</b>	<b>233</b>
<b>Minor Arterial</b>	<b>3.15</b>	<b>3.15</b>	<b>69</b>	<b>217</b>
<b>Major Collector</b>	<b>2.66</b>	<b>2.78</b>	<b>50</b>	<b>152</b>
<b>Minor Collector</b>	<b>3.60</b>	<b>4.56</b>	<b>90</b>	<b>234</b>
<b>Local</b>	<b>5.98</b>	<b>6.67</b>	<b>140</b>	<b>370</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2008**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>93</b>	<b>279</b>
<b>Minor Arterial</b>	<b>2.14</b>	<b>2.44</b>	<b>70</b>	<b>231</b>
<b>Major Collector</b>	<b>2.64</b>	<b>2.98</b>	<b>56</b>	<b>163</b>
<b>Minor Collector</b>	<b>4.32</b>	<b>4.80</b>	<b>92</b>	<b>244</b>
<b>Local</b>	<b>5.92</b>	<b>7.01</b>	<b>149</b>	<b>386</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2007**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>72</b>	<b>362</b>
<b>Minor Arterial</b>	<b>2.10</b>	<b>2.40</b>	<b>73</b>	<b>220</b>
<b>Major Collector</b>	<b>2.46</b>	<b>2.70</b>	<b>54</b>	<b>162</b>
<b>Minor Collector</b>	<b>4.43</b>	<b>5.15</b>	<b>108</b>	<b>271</b>
<b>Local</b>	<b>5.94</b>	<b>6.53</b>	<b>156</b>	<b>412</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2006**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>73</b>	<b>280</b>
<b>Minor Arterial</b>	<b>2.08</b>	<b>2.38</b>	<b>75</b>	<b>229</b>
<b>Major Collector</b>	<b>3.22</b>	<b>3.61</b>	<b>60</b>	<b>166</b>
<b>Minor Collector</b>	<b>4.06</b>	<b>4.78</b>	<b>113</b>	<b>279</b>
<b>Local</b>	<b>5.52</b>	<b>6.21</b>	<b>177</b>	<b>426</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2005**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>71</b>	<b>293</b>
<b>Minor Arterial</b>	<b>2.29</b>	<b>2.29</b>	<b>80</b>	<b>220</b>
<b>Major Collector</b>	<b>3.16</b>	<b>3.74</b>	<b>62</b>	<b>164</b>
<b>Minor Collector</b>	<b>5.22</b>	<b>6.17</b>	<b>114</b>	<b>282</b>
<b>Local</b>	<b>6.08</b>	<b>6.57</b>	<b>184</b>	<b>447</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2004**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>18.82</b>	<b>18.82</b>	<b>113</b>	<b>367</b>
<b>Minor Arterial</b>	<b>1.70</b>	<b>1.98</b>	<b>59</b>	<b>191</b>
<b>Major Collector</b>	<b>2.79</b>	<b>3.01</b>	<b>58</b>	<b>169</b>
<b>Minor Collector</b>	<b>4.88</b>	<b>5.11</b>	<b>104</b>	<b>281</b>
<b>Local</b>	<b>5.89</b>	<b>6.28</b>	<b>179</b>	<b>449</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2003**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>53</b>	<b>227</b>
<b>Minor Arterial</b>	<b>2.27</b>	<b>2.27</b>	<b>69</b>	<b>227</b>
<b>Major Collector</b>	<b>2.66</b>	<b>2.94</b>	<b>58</b>	<b>176</b>
<b>Minor Collector</b>	<b>4.74</b>	<b>5.11</b>	<b>109</b>	<b>307</b>
<b>Local</b>	<b>7.12</b>	<b>7.81</b>	<b>181</b>	<b>480</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2002**

<b>Road System</b>	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>State</b>				
<b>Interstate</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>Principal Arterial</b>	<b>0.00</b>	<b>0.00</b>	<b>113</b>	<b>243</b>
<b>Minor Arterial</b>	<b>1.49</b>	<b>1.49</b>	<b>64</b>	<b>202</b>
<b>Major Collector</b>	<b>3.44</b>	<b>3.57</b>	<b>60</b>	<b>180</b>
<b>Minor Collector</b>	<b>4.84</b>	<b>5.45</b>	<b>121</b>	<b>322</b>
<b>Local</b>	<b>7.05</b>	<b>8.14</b>	<b>202</b>	<b>514</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2011**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	379	0.00	78	0.00	78	0.00	10	68	301	87	0.00	0.00	0.00	10	68	9.71
Principal Arterial	205	1.89	60	5.99	58	4.10	19	35	145	92	1.89	7.89	5.99	24	56	3.15
Minor Arterial	137	2.38	47	9.39	44	7.01	16	21	90	67	2.56	11.15	8.59	24	29	3.34
Major Collector	209	3.84	83	17.27	79	13.43	29	37	126	118	4.08	22.30	18.23	42	47	5.88
Minor Collector	341	5.00	137	23.24	132	18.24	53	61	204	201	5.49	29.02	23.53	74	85	12.65
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2010**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	204	0.00	68	9.71	68	9.71	39	19	136	87	0.00	9.71	9.71	58	19	0.00
Principal Arterial	186	1.58	52	7.57	51	5.99	17	27	133	79	2.52	10.41	7.89	27	39	3.15
Minor Arterial	145	2.16	48	8.50	46	6.33	17	22	97	67	2.38	10.48	8.10	24	29	3.89
Major Collector	222	4.32	86	15.59	82	11.27	32	38	136	125	4.80	18.95	14.15	48	48	9.47
Minor Collector	355	5.20	140	21.77	135	16.57	49	69	215	204	5.39	26.97	21.57	72	88	17.75
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**1-year Average: 2009**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	233	0.00	49	0.00	49	0.00	29	19	184	87	0.00	0.00	0.00	39	49	0.00
Principal Arterial	217	3.15	69	11.04	66	7.89	19	39	148	98	3.15	11.99	8.83	27	54	5.05
Minor Arterial	152	2.66	50	10.17	48	7.51	17	23	101	72	2.78	12.39	9.61	25	32	3.58
Major Collector	234	3.60	90	13.07	86	9.47	40	37	144	134	4.56	18.59	14.03	56	51	8.15
Minor Collector	370	5.98	140	24.71	134	18.73	52	63	230	204	6.67	30.99	24.32	78	81	14.32

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2008**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	279	0.00	93	20.68	93	20.68	31	41	186	145	0.00	20.68	20.68	62	62	0.00
Principal Arterial	231	2.14	70	9.77	68	7.63	22	39	161	98	2.44	10.68	8.24	31	54	2.44
Minor Arterial	163	2.64	56	9.61	53	6.97	21	25	107	76	2.98	12.03	9.05	29	31	4.24
Major Collector	244	4.32	92	16.58	88	12.25	34	42	152	134	4.80	20.18	15.37	51	55	8.17
Minor Collector	386	5.92	149	24.98	143	19.06	54	70	236	221	7.01	33.57	26.56	81	93	14.32
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2007**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	362	0.00	72	10.34	72	10.34	10	52	289	83	0.00	10.34	10.34	10	62	0.00
Principal Arterial	220	2.10	73	10.78	71	8.69	25	37	148	105	2.40	12.58	10.18	35	52	5.39
Minor Arterial	162	2.46	54	11.14	52	8.69	20	23	108	77	2.70	13.69	10.99	28	31	4.82
Major Collector	271	4.43	108	20.97	103	16.54	38	49	163	161	5.15	26.25	21.09	56	68	10.55
Minor Collector	412	5.94	156	27.13	150	21.19	58	71	256	229	6.53	33.07	26.54	86	92	17.13
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**1-year Average: 2006**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	280	0.00	73	10.37	73	10.37	21	41	207	135	0.00	20.74	20.74	31	73	10.37
Principal Arterial	229	2.08	75	13.39	73	11.30	28	34	154	109	2.38	16.06	13.68	37	49	6.54
Minor Arterial	166	3.22	60	12.19	56	8.97	21	26	106	83	3.61	14.79	11.18	30	32	6.00
Major Collector	279	4.06	113	19.35	109	15.29	40	54	166	165	4.78	23.77	18.99	59	66	16.12
Minor Collector	426	5.52	177	26.99	172	21.47	67	84	249	257	6.21	33.98	27.78	98	101	23.84
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2005**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	293	0.00	71	10.09	71	10.09	40	20	222	111	0.00	10.09	10.09	40	61	0.00
Principal Arterial	220	2.29	80	10.58	78	8.29	26	44	140	117	2.29	13.44	11.15	35	57	12.01
Minor Arterial	164	3.16	62	11.75	58	8.59	21	28	103	91	3.74	15.12	11.38	31	36	9.20
Major Collector	282	5.22	114	21.47	109	16.25	41	52	168	169	6.17	27.64	21.47	61	62	19.33
Minor Collector	447	6.08	184	30.89	178	24.81	65	88	263	270	6.57	37.36	30.79	96	110	27.56
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)**  
**by Functional Class and Severity**  
**Statewide, Secondary Road Crashes**  
**1-year Average: 2004**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	367	18.82	113	18.82	94	0.00	56	38	254	160	18.82	18.82	0.00	56	75	9.41
Principal Arterial	191	1.70	59	7.92	57	6.22	23	29	132	87	1.98	11.60	9.62	30	42	3.39
Minor Arterial	169	2.79	58	13.05	55	10.26	21	24	111	88	3.01	16.49	13.48	33	33	4.74
Major Collector	281	4.88	104	22.12	99	17.25	42	40	177	159	5.11	26.76	21.65	64	60	7.85
Minor Collector	449	5.89	179	33.18	173	27.29	68	78	270	272	6.28	42.51	36.22	106	108	15.22

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2003**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	227	0.00	53	13.37	53	13.37	7	33	174	94	0.00	13.37	13.37	13	60	6.69
Principal Arterial	227	2.27	69	11.64	67	9.37	22	35	158	102	2.27	13.35	11.07	34	48	7.10
Minor Arterial	176	2.66	58	12.33	55	9.67	22	24	118	85	2.94	14.84	11.90	33	35	3.10
Major Collector	307	4.74	109	21.28	104	16.54	43	45	198	163	5.11	25.54	20.43	63	68	5.84
Minor Collector	480	7.12	181	31.54	174	24.42	71	78	299	264	7.81	37.77	29.96	104	111	11.47

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2002**

Road System	All Crash Rates	Fatal Crash Rates	Fatal + Injury Crash Rates	Fatal + Major Injury Crash Rates	Injury Crash Rates	Major Injury Crash Rates	Minor Injury Crash Rates	Possible/Unknown Injury Crash Rates	Property Damage Only Crash Rates	All Injury Rates	Fatality Rates	Fatal + Major Injury Rates	Major Injury Rates	Minor Injury Rates	Possible Injury Rates	Unknown Injury Rates
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	243	0.00	113	16.20	113	16.20	32	65	130	154	0.00	16.20	16.20	49	81	8.10
Principal Arterial	202	1.49	64	8.46	63	6.97	27	28	137	93	1.49	8.96	7.47	36	46	1.99
Minor Arterial	180	3.44	60	13.82	57	10.39	23	23	120	88	3.57	16.83	13.25	33	36	2.23
Major Collector	322	4.84	121	22.40	116	17.56	52	46	201	180	5.45	27.97	22.52	73	73	6.05
Minor Collector	514	7.05	202	36.14	195	29.09	87	79	312	305	8.14	46.97	38.83	125	125	8.94
Local																

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2011**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	5.10	0.00	1.05	0.00	1.05	0.00	0.13	0.92	4.06	1.18	0.00	0.00	0.00	0.13	0.92	0.13
Minor Arterial	1.69	0.02	0.49	0.05	0.48	0.03	0.15	0.29	1.20	0.76	0.02	0.07	0.05	0.20	0.47	0.03
Major Collector	0.32	0.01	0.11	0.02	0.10	0.02	0.04	0.05	0.21	0.16	0.01	0.03	0.02	0.06	0.07	0.01
Minor Collector	0.11	0.00	0.04	0.01	0.04	0.01	0.02	0.02	0.07	0.06	0.00	0.01	0.01	0.02	0.02	0.00
Local	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.03	0.03	0.00	0.00	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2010

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	2.75	0.00	0.92	0.13	0.92	0.13	0.52	0.26	1.83	1.18	0.00	0.13	0.13	0.79	0.26	0.00
Minor Arterial	1.53	0.01	0.43	0.06	0.42	0.05	0.14	0.23	1.10	0.65	0.02	0.09	0.07	0.22	0.32	0.03
Major Collector	0.33	0.00	0.11	0.02	0.11	0.01	0.04	0.05	0.22	0.16	0.01	0.02	0.02	0.06	0.07	0.01
Minor Collector	0.12	0.00	0.05	0.01	0.04	0.01	0.02	0.02	0.07	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Local	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.03	0.00	0.00	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2009**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	3.14	0.00	0.65	0.00	0.65	0.00	0.39	0.26	2.49	1.18	0.00	0.00	0.00	0.52	0.65	0.00
Minor Arterial	1.79	0.03	0.57	0.09	0.54	0.07	0.16	0.32	1.22	0.81	0.03	0.10	0.07	0.22	0.44	0.04
Major Collector	0.35	0.01	0.12	0.02	0.11	0.02	0.04	0.05	0.23	0.17	0.01	0.03	0.02	0.06	0.07	0.01
Minor Collector	0.12	0.00	0.05	0.01	0.04	0.00	0.02	0.02	0.08	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Local	0.06	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.04	0.03	0.00	0.01	0.00	0.01	0.01	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2008

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	3.50	0.00	1.17	0.26	1.17	0.26	0.39	0.52	2.34	1.82	0.00	0.26	0.26	0.78	0.78	0.00
Minor Arterial	1.93	0.02	0.59	0.08	0.57	0.06	0.18	0.32	1.34	0.82	0.02	0.09	0.07	0.26	0.45	0.02
Major Collector	0.38	0.01	0.13	0.02	0.12	0.02	0.05	0.06	0.25	0.18	0.01	0.03	0.02	0.07	0.07	0.01
Minor Collector	0.13	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.08	0.07	0.00	0.01	0.01	0.03	0.03	0.00
Local	0.06	0.00	0.03	0.00	0.02	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2007

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	4.54	0.00	0.91	0.13	0.91	0.13	0.13	0.65	3.63	1.04	0.00	0.13	0.13	0.13	0.78	0.00
Minor Arterial	1.87	0.02	0.62	0.09	0.60	0.07	0.21	0.32	1.26	0.89	0.02	0.11	0.09	0.30	0.44	0.05
Major Collector	0.38	0.01	0.13	0.03	0.12	0.02	0.05	0.05	0.25	0.18	0.01	0.03	0.03	0.07	0.07	0.01
Minor Collector	0.14	0.00	0.06	0.01	0.05	0.01	0.02	0.03	0.09	0.08	0.00	0.01	0.01	0.03	0.04	0.01
Local	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.01	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2006**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	3.43	0.00	0.89	0.13	0.89	0.13	0.25	0.51	2.54	1.65	0.00	0.25	0.25	0.38	0.89	0.13
Minor Arterial	1.96	0.02	0.64	0.11	0.62	0.10	0.24	0.29	1.32	0.93	0.02	0.14	0.12	0.32	0.42	0.06
Major Collector	0.39	0.01	0.14	0.03	0.13	0.02	0.05	0.06	0.25	0.19	0.01	0.03	0.03	0.07	0.07	0.01
Minor Collector	0.15	0.00	0.06	0.01	0.06	0.01	0.02	0.03	0.09	0.09	0.00	0.01	0.01	0.03	0.03	0.01
Local	0.07	0.00	0.03	0.00	0.03	0.00	0.01	0.01	0.04	0.04	0.00	0.01	0.00	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2005

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	3.76	0.00	0.91	0.13	0.91	0.13	0.52	0.26	2.86	1.43	0.00	0.13	0.13	0.52	0.78	0.00
Minor Arterial	1.89	0.02	0.69	0.09	0.67	0.07	0.22	0.38	1.20	1.01	0.02	0.12	0.10	0.30	0.49	0.10
Major Collector	0.38	0.01	0.14	0.03	0.14	0.02	0.05	0.07	0.24	0.21	0.01	0.04	0.03	0.07	0.08	0.02
Minor Collector	0.15	0.00	0.06	0.01	0.06	0.01	0.02	0.03	0.09	0.09	0.00	0.01	0.01	0.03	0.03	0.01
Local	0.08	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.04	0.05	0.00	0.01	0.01	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2004**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	5.59	0.29	1.72	0.29	1.43	0.00	0.86	0.57	3.87	2.43	0.29	0.29	0.00	0.86	1.15	0.14
Minor Arterial	1.67	0.01	0.51	0.07	0.50	0.05	0.20	0.25	1.15	0.75	0.02	0.10	0.08	0.26	0.36	0.03
Major Collector	0.40	0.01	0.14	0.03	0.13	0.02	0.05	0.06	0.26	0.21	0.01	0.04	0.03	0.08	0.08	0.01
Minor Collector	0.15	0.00	0.05	0.01	0.05	0.01	0.02	0.02	0.09	0.08	0.00	0.01	0.01	0.03	0.03	0.00
Local	0.08	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.05	0.05	0.00	0.01	0.01	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2003**

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	2.81	0.00	0.66	0.17	0.66	0.17	0.08	0.41	2.15	1.16	0.00	0.17	0.17	0.17	0.74	0.08
Minor Arterial	1.97	0.02	0.60	0.10	0.58	0.08	0.19	0.31	1.37	0.88	0.02	0.12	0.10	0.29	0.41	0.06
Major Collector	0.42	0.01	0.14	0.03	0.13	0.02	0.05	0.06	0.28	0.20	0.01	0.04	0.03	0.08	0.08	0.01
Minor Collector	0.16	0.00	0.06	0.01	0.05	0.01	0.02	0.02	0.10	0.08	0.00	0.01	0.01	0.03	0.04	0.00
Local	0.08	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.05	0.04	0.00	0.01	0.01	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

Crash Densities (crashes/mile)  
by Functional Class and Severity  
Statewide, Secondary Road Crashes  
1-year Average: 2002

Road System	All Crash Densities	Fatal Crash Densities	Fatal + Injury Crash Densities	Fatal + Major Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Injury Crash Densities	Possible/Unknown Injury Crash Densities	Property Damage Only Crash Densities	All Injury Densities	Fatality Densities	Fatal + Major Injury Densities	Major Injury Densities	Minor Injury Densities	Possible Injury Densities	Unknown Injury Densities
State	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Interstate	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
Principal Arterial	3.97	0.00	1.85	0.26	1.85	0.26	0.53	1.06	2.12	2.51	0.00	0.26	0.26	0.79	1.32	0.13
Minor Arterial	2.22	0.02	0.71	0.09	0.69	0.08	0.30	0.31	1.51	1.02	0.02	0.10	0.08	0.39	0.50	0.02
Major Collector	0.41	0.01	0.14	0.03	0.13	0.02	0.05	0.05	0.27	0.20	0.01	0.04	0.03	0.07	0.08	0.01
Minor Collector	0.17	0.00	0.06	0.01	0.06	0.01	0.03	0.02	0.10	0.09	0.00	0.01	0.01	0.04	0.04	0.00
Local	0.09	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.05	0.05	0.00	0.01	0.01	0.02	0.02	0.00

Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

	<b>Interstate</b>			
	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2003</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2004</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2005</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2006</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2007</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2008</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2009</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2010</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>2011</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

**Principal Arterial**

	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>0.00</b>	<b>0.00</b>	<b>113</b>	<b>243</b>
<b>2003</b>	<b>0.00</b>	<b>0.00</b>	<b>53</b>	<b>227</b>
<b>2004</b>	<b>18.82</b>	<b>18.82</b>	<b>113</b>	<b>367</b>
<b>2005</b>	<b>0.00</b>	<b>0.00</b>	<b>71</b>	<b>293</b>
<b>2006</b>	<b>0.00</b>	<b>0.00</b>	<b>73</b>	<b>280</b>
<b>2007</b>	<b>0.00</b>	<b>0.00</b>	<b>72</b>	<b>362</b>
<b>2008</b>	<b>0.00</b>	<b>0.00</b>	<b>93</b>	<b>279</b>
<b>2009</b>	<b>0.00</b>	<b>0.00</b>	<b>49</b>	<b>233</b>
<b>2010</b>	<b>0.00</b>	<b>0.00</b>	<b>68</b>	<b>204</b>
<b>2011</b>	<b>0.00</b>	<b>0.00</b>	<b>78</b>	<b>379</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

**Minor Arterial**

	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>1.49</b>	<b>1.49</b>	<b>64</b>	<b>202</b>
<b>2003</b>	<b>2.27</b>	<b>2.27</b>	<b>69</b>	<b>227</b>
<b>2004</b>	<b>1.70</b>	<b>1.98</b>	<b>59</b>	<b>191</b>
<b>2005</b>	<b>2.29</b>	<b>2.29</b>	<b>80</b>	<b>220</b>
<b>2006</b>	<b>2.08</b>	<b>2.38</b>	<b>75</b>	<b>229</b>
<b>2007</b>	<b>2.10</b>	<b>2.40</b>	<b>73</b>	<b>220</b>
<b>2008</b>	<b>2.14</b>	<b>2.44</b>	<b>70</b>	<b>231</b>
<b>2009</b>	<b>3.15</b>	<b>3.15</b>	<b>69</b>	<b>217</b>
<b>2010</b>	<b>1.58</b>	<b>2.52</b>	<b>52</b>	<b>186</b>
<b>2011</b>	<b>1.89</b>	<b>1.89</b>	<b>60</b>	<b>205</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

**Major Collector**

	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>3.44</b>	<b>3.57</b>	<b>60</b>	<b>180</b>
<b>2003</b>	<b>2.66</b>	<b>2.94</b>	<b>58</b>	<b>176</b>
<b>2004</b>	<b>2.79</b>	<b>3.01</b>	<b>58</b>	<b>169</b>
<b>2005</b>	<b>3.16</b>	<b>3.74</b>	<b>62</b>	<b>164</b>
<b>2006</b>	<b>3.22</b>	<b>3.61</b>	<b>60</b>	<b>166</b>
<b>2007</b>	<b>2.46</b>	<b>2.70</b>	<b>54</b>	<b>162</b>
<b>2008</b>	<b>2.64</b>	<b>2.98</b>	<b>56</b>	<b>163</b>
<b>2009</b>	<b>2.66</b>	<b>2.78</b>	<b>50</b>	<b>152</b>
<b>2010</b>	<b>2.16</b>	<b>2.38</b>	<b>48</b>	<b>145</b>
<b>2011</b>	<b>2.38</b>	<b>2.56</b>	<b>47</b>	<b>137</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

**Minor Collector**

	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>4.84</b>	<b>5.45</b>	<b>121</b>	<b>322</b>
<b>2003</b>	<b>4.74</b>	<b>5.11</b>	<b>109</b>	<b>307</b>
<b>2004</b>	<b>4.88</b>	<b>5.11</b>	<b>104</b>	<b>281</b>
<b>2005</b>	<b>5.22</b>	<b>6.17</b>	<b>114</b>	<b>282</b>
<b>2006</b>	<b>4.06</b>	<b>4.78</b>	<b>113</b>	<b>279</b>
<b>2007</b>	<b>4.43</b>	<b>5.15</b>	<b>108</b>	<b>271</b>
<b>2008</b>	<b>4.32</b>	<b>4.80</b>	<b>92</b>	<b>244</b>
<b>2009</b>	<b>3.60</b>	<b>4.56</b>	<b>90</b>	<b>234</b>
<b>2010</b>	<b>4.32</b>	<b>4.80</b>	<b>86</b>	<b>222</b>
<b>2011</b>	<b>3.84</b>	<b>4.08</b>	<b>83</b>	<b>209</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**

**Crash Rates per 100 Million Vehicle Miles of Travel (crashes/HMVMT)  
Statewide, Secondary Road Crashes  
2002 - 2011 Annual Summary**

	<b>Local</b>			
	<b>Fatal Crash Rates</b>	<b>Fatality Rates</b>	<b>Fatal + Injury Crash Rates</b>	<b>All Crash Rates</b>
<b>2002</b>	<b>7.05</b>	<b>8.14</b>	<b>202</b>	<b>514</b>
<b>2003</b>	<b>7.12</b>	<b>7.81</b>	<b>181</b>	<b>480</b>
<b>2004</b>	<b>5.89</b>	<b>6.28</b>	<b>179</b>	<b>449</b>
<b>2005</b>	<b>6.08</b>	<b>6.57</b>	<b>184</b>	<b>447</b>
<b>2006</b>	<b>5.52</b>	<b>6.21</b>	<b>177</b>	<b>426</b>
<b>2007</b>	<b>5.94</b>	<b>6.53</b>	<b>156</b>	<b>412</b>
<b>2008</b>	<b>5.92</b>	<b>7.01</b>	<b>149</b>	<b>386</b>
<b>2009</b>	<b>5.98</b>	<b>6.67</b>	<b>140</b>	<b>370</b>
<b>2010</b>	<b>5.20</b>	<b>5.39</b>	<b>140</b>	<b>355</b>
<b>2011</b>	<b>5.00</b>	<b>5.49</b>	<b>137</b>	<b>341</b>

**Source: Iowa Department of Transportation, Office of Traffic and Safety  
February 18, 2013**