



Traffic Safety Facts
Kentucky
2011-2015



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2011-2014 Final File and 2015 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Kentucky State Survey
- Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
- Population Data - U.S. Bureau of the Census



Table of Contents (Listed by Table Title and Page Number)

3. Traffic Safety Performance Measures
4. Fatality Rates: Kentucky , U.S. and Best State
5. Alcohol-Impaired Driving Fatalities: Kentucky , U.S. and Best State
6. Fatalities Per 100 Million VMT: Kentucky , U.S.
6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Kentucky , U.S.
7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Kentucky , U.S. and Best State
8. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed Kentucky , U.S. and Best State
9. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: Kentucky , U.S.
9. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: Kentucky , U.S.
10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
11. Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates
12. Fatalities by Person Type
13. Fatalities by Crash Type
14. Motorcyclist Fatalities by Age
14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
15. Fatalities by Person Type and Race/Hispanic Origin
16. Top 10 Counties for Fatalities
17. Top 10 Counties for Fatalities: Year to Year Percent Change
18. Top 10 Counties for Fatality Rates
19. Motor Vehicle Crash Fatality Maps:
Total Fatalities, Alcohol-Impaired Driving Fatalities, Single Vehicle Crash Fatalities
20. Motor Vehicle Crash Fatality Maps:
Large Truck Crash Fatalities, Speeding Involved Fatalities, Roadway Departure Fatalities
21. Motor Vehicle Crash Fatality Maps:
Intersection Fatalities, Passenger Car Occupants, Light Truck and Van Occupants
22. Motor Vehicle Crash Fatality Maps:
Motorcyclist Fatalities, Pedestrian Fatalities, Pedestrian Fatalities



Traffic Safety Performance (Core Outcome) Measures* For Kentucky

Core Outcome Measures		Year									
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Traffic Fatalities	Total (C-1)	913	864	825	791	760	720	746	638	672	761
	Rural	688	677	634	645	551	559	582	494	517	593
	Urban	225	187	191	146	208	161	164	144	155	168
	Unknown	0	0	0	0	1	0	0	0	0	0
Fatalities Per 100 Million VMT	Total (C-3)	1.91	1.80	1.74	1.67	1.58	1.50	1.58	1.36	1.40	1.56
	Rural	2.51	2.45	2.31	2.36	1.99	2.00	2.13	1.82	2.01	2.27
	Urban	1.10	0.92	0.95	0.73	1.03	0.80	0.82	0.73	0.70	0.75
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	703	647	596	619	557	544	541	465	498	558
	Restrained	229	265	214	265	246	235	231	220	213	249
	Unrestrained (C-4)	474	382	381	352	310	306	309	245	285	308
	Unknown	0	0	1	2	1	3	1	0	0	1
Alcohol-Impaired Driving Fatalities (BAC=.08+)** (C-5)		216	212	186	192	168	172	169	166	171	192
Speeding-Related Fatalities (C-6)		160	132	154	154	154	141	151	125	125	140
Motorcyclist Fatalities	Total (C-7)	98	112	101	86	96	71	106	87	86	91
	Helmeted	30	40	41	36	38	29	38	28	38	30
	Unhelmeted (C-8)	68	72	60	50	58	42	68	59	48	61
	Unknown	0	0	0	0	0	0	0	0	0	0
Drivers Involved in Fatal Crashes	Total	1,263	1,187	1,100	1,110	1,037	998	1,023	873	884	1,070
	Aged Under 15	4	3	3	3	5	1	0	0	1	1
	Aged 15-20	164	135	119	130	109	85	88	80	78	88
	Aged Under 21 (C-9)	168	138	122	133	114	86	88	80	79	89
	Aged 21 and Over	1,089	1,045	967	975	917	906	931	786	801	970
	Unknown Age	6	4	11	2	6	6	4	7	4	11
Pedestrian Fatalities (C-10)		52	44	66	41	61	50	49	55	57	67
Bicyclist and Other Cyclist Fatalities**** (C-11)		5	3	6	5	7	2	6	3	4	7
Observed Seat Belt Use*** (B-1)		67	72	73	80	80	82	84	85	86	87

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only *Kentucky Data: State Survey

****On March 11th, 2014 GHSA and NHTSA agreed on bike fatalities as a newly required performance core measure

[Back To The Table of Contents](#)



Fatality Rates: Kentucky , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2011	Kentucky	720	48,061	1.50	4,367,882	16.48
	US	32,479	2,950,402	1.10	311,718,857	10.42
	Best State*			0.65		4.35
2012	Kentucky	746	47,344	1.58	4,382,667	17.02
	US	33,782	2,969,433	1.14	314,102,623	10.76
	Best State*			0.42		2.36
2013	Kentucky	638	46,996	1.36	4,398,500	14.50
	US	32,893	2,988,280	1.10	316,427,395	10.40
	Best State*			0.57		3.08
2014	Kentucky	672	47,941	1.40	4,412,617	15.23
	US	32,744	3,025,656	1.08	318,907,401	10.27
	Best State*			0.62		3.49
2015	Kentucky	761	48,675	1.56	4,425,092	17.20
	US	35,092	3,095,373	1.13	321,418,820	10.92
	Best State*			0.52		3.42

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities**:
Kentucky , U.S. and Best State

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2011	Kentucky	720	172	24	0.36
	US	32,479	9,865	30	0.33
	Best State*			17	0.16
2012	Kentucky	746	169	23	0.36
	US	33,782	10,336	31	0.35
	Best State*			15	0.08
2013	Kentucky	638	166	26	0.35
	US	32,893	10,084	31	0.34
	Best State*			17	0.14
2014	Kentucky	672	171	25	0.36
	US	32,744	9,943	30	0.33
	Best State*			18	0.11
2015	Kentucky	761	192	25	0.39
	US	35,092	10,265	29	0.33
	Best State*			16	0.15

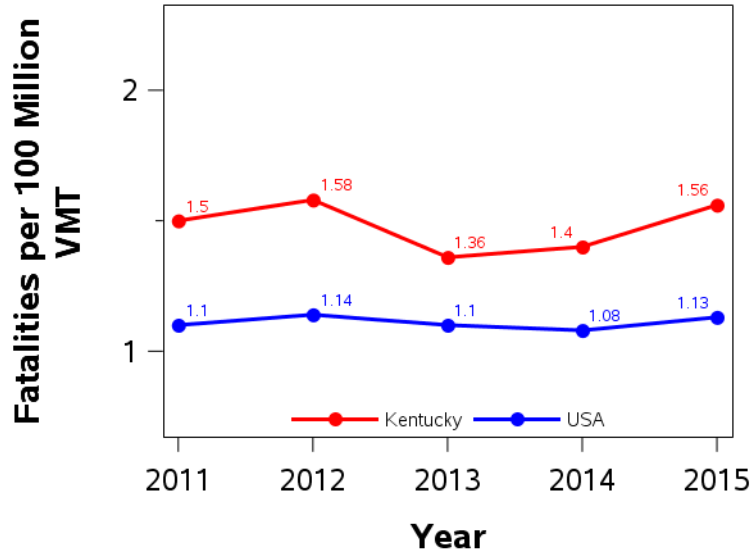
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

[Back To The Table of Contents](#)

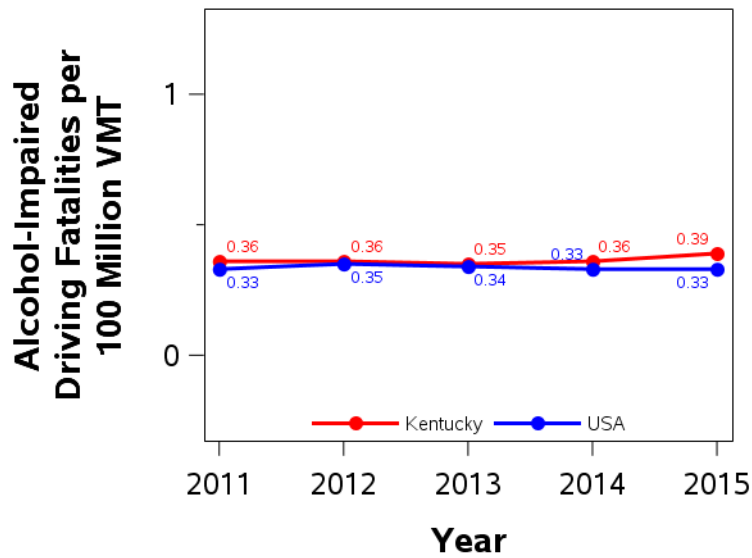


Fatalities per 100 Million VMT



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT



[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates
 For Drivers/Motorcycle Riders (Operators)
 Involved in Fatal Crashes:
 Kentucky , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2011	Kentucky	486	227	47	512	418	82	998	645	65
	US	23,025	7,484	33	20,815	15,846	76	43,840	23,330	53
	Best State*			88			98			93
2012	Kentucky	482	235	49	541	410	76	1,023	645	63
	US	24,174	7,569	31	21,490	16,097	75	45,664	23,666	52
	Best State*			88			95			91
2013	Kentucky	420	169	40	453	356	79	873	525	60
	US	23,860	6,975	29	20,943	15,661	75	44,803	22,636	51
	Best State*			81			95			86
2014	Kentucky	410	171	42	474	352	74	884	523	59
	US	23,883	6,781	28	20,788	15,352	74	44,671	22,133	50
	Best State*			88			96			89
2015	Kentucky	541	250	46	529	407	77	1,070	657	61
	US	26,463	7,214	27	22,150	15,421	70	48,613	22,635	47
	Best State*			89			96			90

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:
Fatalities and Observed
Kentucky , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2011	Kentucky	49	82
	US	59	84
	Best State*	80	98
2012	Kentucky	48	84
	US	58	86
	Best State*	79	97
2013	Kentucky	55	85
	US	61	87
	Best State*	100	98
2014	Kentucky	48	86
	US	61	87
	Best State*	80	98
2015	Kentucky	55	87
	US	62	89
	Best State*	100	97

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

**Percent Based Only Where Restraint Use Was Known

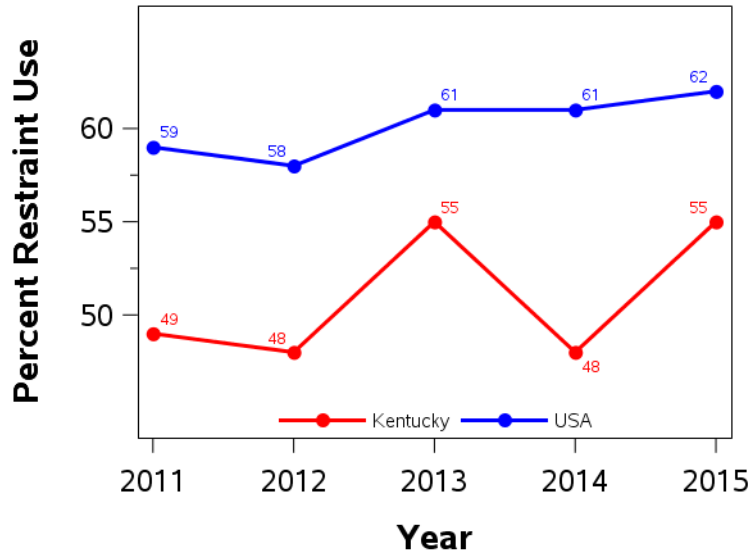
***USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems
by Fatally Injured Occupants with Occupants in all Driving Situations

[Back To The Table of Contents](#)



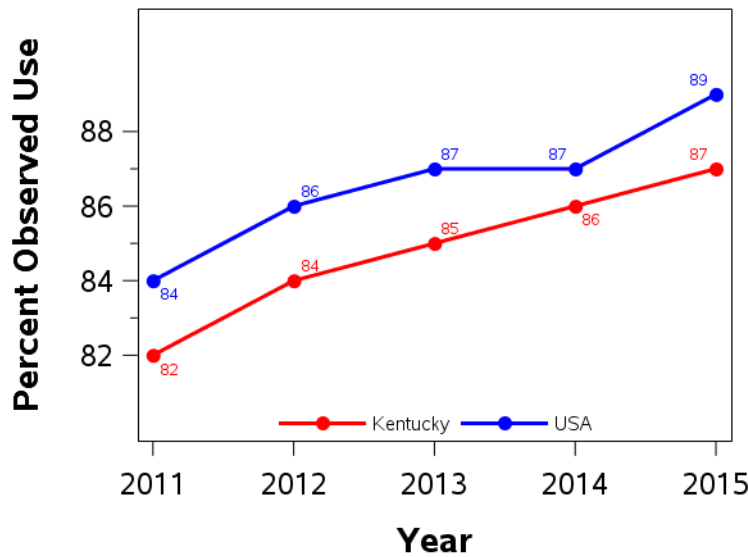
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

[Back To The Table of Contents](#)

Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

[Back To The Table of Contents](#)



**Kentucky Passenger Vehicle Occupant Fatalities Age 5 and Above
by Restraint Use and Lives Saved Estimates**

Year	Fatalities Age 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2011	537	230	305	2	43	282	128
2012	534	226	307	1	42	274	98
2013	463	219	244	0	47	261	76
2014	493	209	284	0	42	253	78
2015	547	242	304	1	44	287	79

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)

**Kentucky Passenger Vehicle Occupant Fatalities Age 4 and Under
by Restraint Use and Lives Saved Estimates**

Year	Fatalities Age 4 and Under					Lives Saved Estimates**
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2011	6	5	0	1	100	8
2012	7	5	2	0	71	6
2013	2	1	1	0	50	1
2014	5	4	1	0	80	6
2015	10	7	3	0	70	8

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



Kentucky Motorcyclist Fatalities
by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2011	71	29	42	0	41	17	16
2012	106	38	68	0	36	23	25
2013	87	28	59	0	32	17	22
2014	86	38	48	0	44	22	18
2015	91	30	61	0	33	18	23

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)



Kentucky Fatalities by Person Type

Person Type		2011		2012		2013		2014		2015	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	307	43	281	38	269	42	278	41	314	41
	Light Truck - Pickup	136	19	147	20	92	14	115	17	120	16
	Light Truck - Utility	79	11	79	11	84	13	84	13	99	13
	Light Truck - Van	22	3	33	4	20	3	21	3	25	3
	Light Truck - Other	0	0	1	0	0	0	0	0	0	0
	Large Truck	18	3	17	2	10	2	9	1	9	1
	Bus	1	0	3	0	0	0	0	0	0	0
	Other/Unknown Occupants	29	4	19	3	15	2	17	3	24	3
	Total Occupants	592	82	580	78	490	77	524	78	591	78
Motorcyclists	Total Motorcyclists	71	10	106	14	87	14	86	13	91	12
Nonoccupants	Pedestrian	50	7	49	7	55	9	57	8	67	9
	Bicyclist and Other Cyclist	2	0	6	1	3	0	4	1	7	1
	Other/Unknown Nonoccupants	5	1	5	1	3	0	1	0	5	1
	Total Nonoccupants	57	8	60	8	61	10	62	9	79	10
Total	Total	720	100	746	100	638	100	672	100	761	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding

[Back To The Table of Contents](#)



Kentucky Fatalities by Crash Type

Crash Type	2011	2012	2013	2014	2015
Total Fatalities (All Crashes)*	720	746	638	672	761
- (1) Single Vehicle	410	445	355	395	400
- (2) Involving a Large Truck	88	82	78	68	81
- (3) Involving Speeding	141	151	125	125	140
- (4) Involving a Rollover	205	231	157	200	229
- (5) Involving a Roadway Departure	489	553	410	456	499
- (6) Involving an Intersection (or Intersection Related)	116	113	116	119	122

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

[Back To The Table of Contents](#)



Kentucky Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2011	3	13	14	20	11	10	71
2012	7	19	22	21	21	16	106
2013	4	23	11	16	18	15	87
2014	5	13	9	19	21	19	86
2015	3	17	22	18	20	11	91

[Back To The Table of Contents](#)

Kentucky Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2011	71	98,495	72.08
2012	106	100,506	105.5
2013	87	109,821	79.22
2014	86	111,096	77.41
2015	91		

*Data Source: FHWA

*2015 Motorcycle Registrations are Not Yet Available

[Back To The Table of Contents](#)



Kentucky Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2011	2012	2013	2014
Occupants (All Vehicle Types)	Hispanic	10	8	6	13
	White Non-Hispanic	567	595	504	524
	Black, Non-Hispanic	27	31	39	25
	American Indian, Non-Hispanic/Unknown	0	1	0	0
	Asian, Non-Hispanic/Unknown	1	0	1	0
	Pacific Islander, Non-Hispanic/Unknown	1	0	0	0
	All Other Non-Hispanic or Race	57	50	26	47
	Unknown Race and Unknown Hispanic	0	1	1	1
	Total	663	686	577	610
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	1	3	2	0
	White Non-Hispanic	37	46	54	49
	Black, Non-Hispanic	9	5	3	8
	American Indian, Non-Hispanic/Unknown	0	0	0	0
	Asian, Non-Hispanic/Unknown	2	0	0	0
	Pacific Islander, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	8	6	2	5
	Unknown Race and Unknown Hispanic	0	0	0	0
Total	57	60	61	62	
Total	720	746	638	672	

2015 Race/Hispanic Origin Data is Not Yet Complete

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatalities

Kentucky Counties by 2015 Ranking		Fatalities					Percent of Total				
		2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
1	Jefferson County	61	65	88	78	85	8	9	14	12	11
2	Fayette County	32	25	18	28	27	4	3	3	4	4
3	Hardin County	13	18	20	16	22	2	2	3	2	3
4	Madison County	15	13	12	10	19	2	2	2	1	2
5	Kenton County	12	8	5	9	17	2	1	1	1	2
6	Marshall County	9	10	6	14	16	1	1	1	2	2
7	Boone County	10	18	9	5	15	1	2	1	1	2
8	Daviess County	7	8	8	8	15	1	1	1	1	2
9	Floyd County	12	13	11	7	15	2	2	2	1	2
10	Mccracken County	12	19	7	4	15	2	3	1	1	2
Sub Total 1.*	Top Ten Counties	210	226	223	220	246	29	30	35	33	32
Sub Total 2.**	All Other Counties	510	520	415	452	515	71	70	65	67	68
Total	All Counties	720	746	638	672	761	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties
 **This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatalities Year to Year Percent Change

Kentucky Counties by 2015 Ranking		Fatalities					Percent Change From Previous Year			
		2011	2012	2013	2014	2015	2012	2013	2014	2015
1	Jefferson County	61	65	88	78	85	7	35	-11	9
2	Fayette County	32	25	18	28	27	-22	-28	56	-4
3	Hardin County	13	18	20	16	22	38	11	-20	38
4	Madison County	15	13	12	10	19	-13	-8	-17	90
5	Kenton County	12	8	5	9	17	-33	-38	80	89
6	Marshall County	9	10	6	14	16	11	-40	133	14
7	Boone County	10	18	9	5	15	80	-50	-44	200
8	Daviess County	7	8	8	8	15	14	0	0	88
9	Floyd County	12	13	11	7	15	8	-15	-36	114
10	Mccracken County	12	19	7	4	15	58	-63	-43	275
Sub Total 1.*	Top Ten Counties	210	226	223	220	246	8	-1	-1	12
Sub Total 2.**	All Other Counties	510	520	415	452	515	2	-20	9	14
Total	All Counties	720	746	638	672	761	4	-14	5	13

*This Sub Total is the Total for the Top Ten Counties
 **This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatality Rates

Median Rate for all U.S. Counties: 17.23

Kentucky Counties by 2015 Ranking		Fatalities Per 100,000 Population				
		2011	2012	2013	2014	2015
1	Bracken County	23.52	35.41	11.85	23.84	72.11
2	Wayne County	33.54	28.88	9.67	14.64	58.64
3	Carroll County	18.22	55.21	27.63	27.90	56.08
4	Wolfe County	27.17	41.72	27.55	27.65	55.10
5	Marshall County	28.78	31.98	19.22	45.09	51.45
6	Bath County	34.16	25.43	25.01	8.22	49.07
7	Lyon County	23.73	35.56	35.51	0.00	48.16
8	Todd County	40.22	23.73	8.01	15.97	47.88
9	Caldwell County	23.11	15.47	23.45	23.54	47.31
10	Leslie County	17.74	8.98	18.21	0.00	46.68
<i>Sub Rate 1.*</i>	<i>Top Ten Counties</i>	56.67	54.32	45.11	55.97	52.87
<i>Sub Rate 2.**</i>	<i>All Other Counties</i>	15.33	15.35	13.55	14.18	16.08
<i>Total Rate</i>	<i>All Counties</i>	16.48	17.02	14.50	15.23	17.20

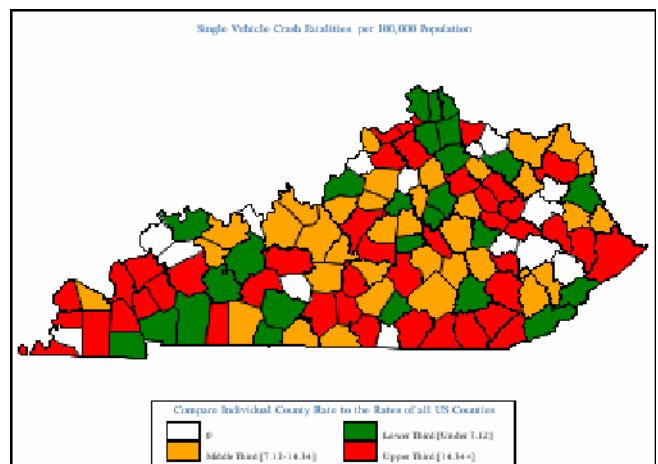
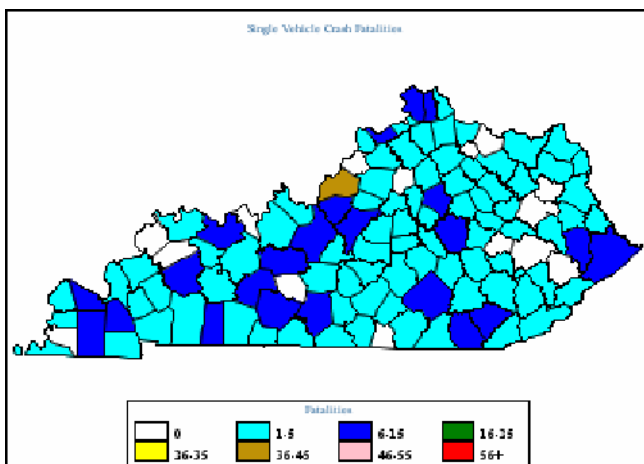
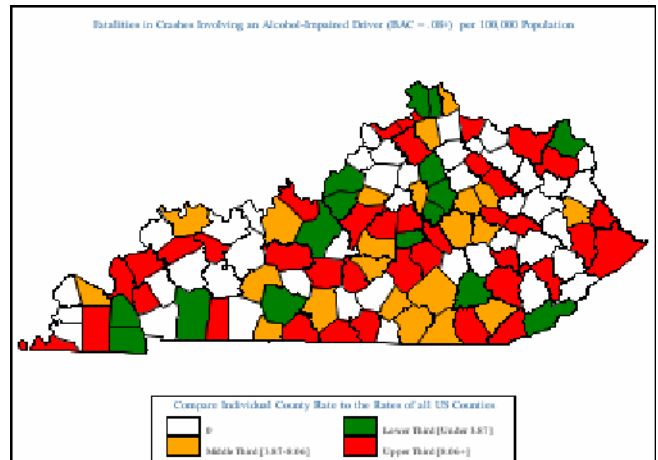
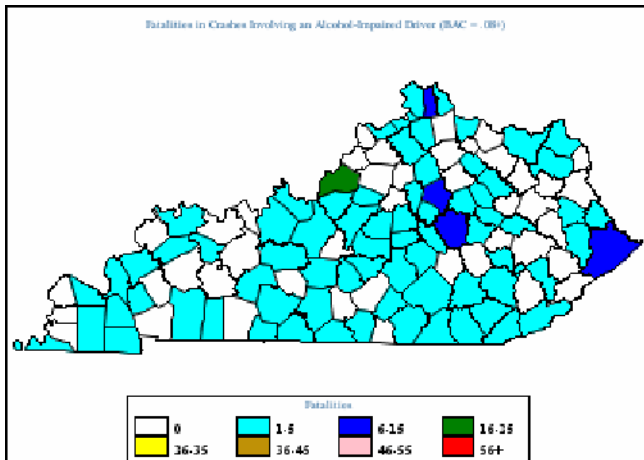
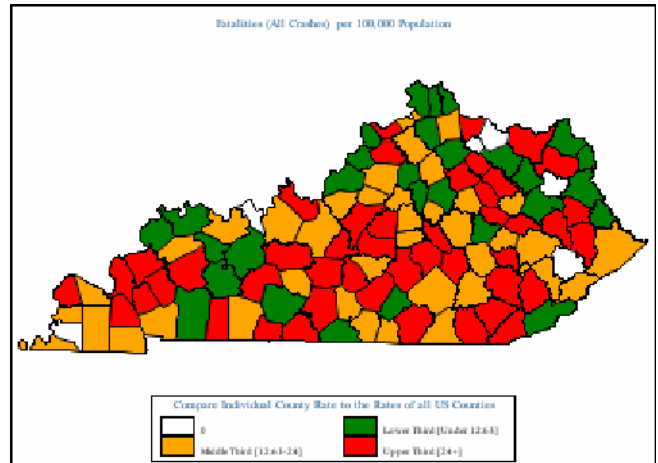
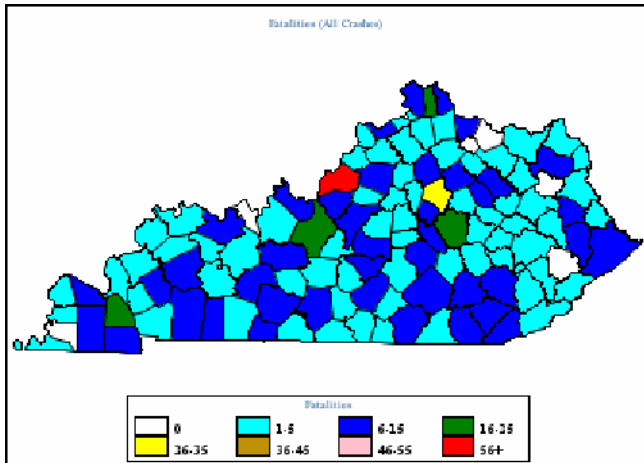
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten

[Back To The Table of Contents](#)

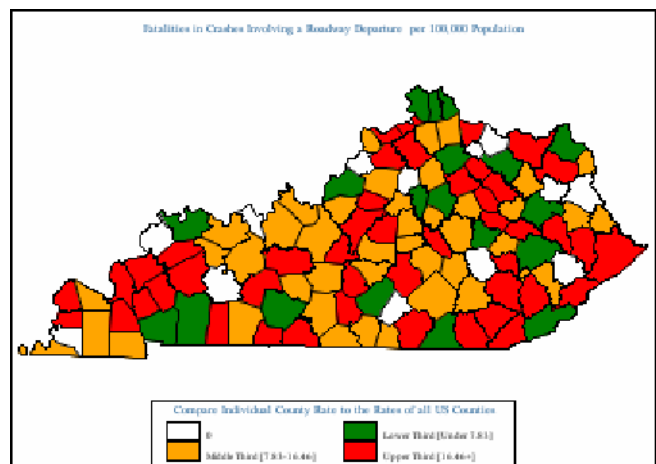
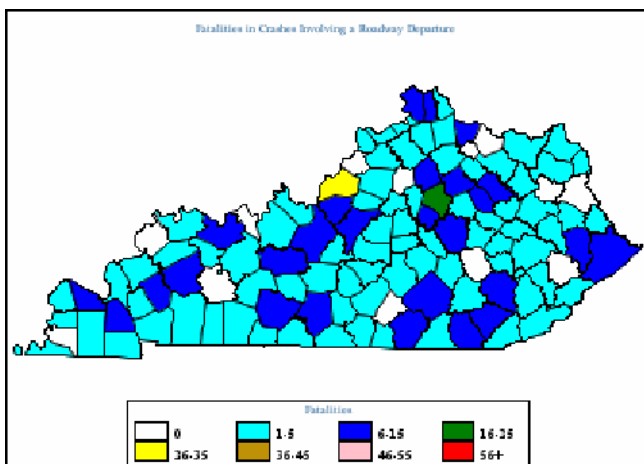
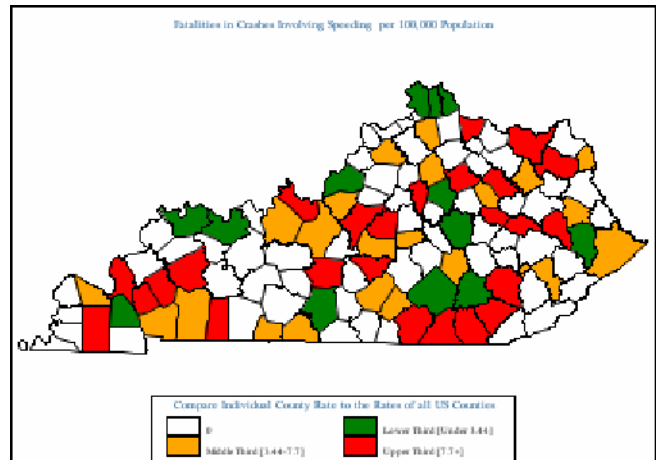
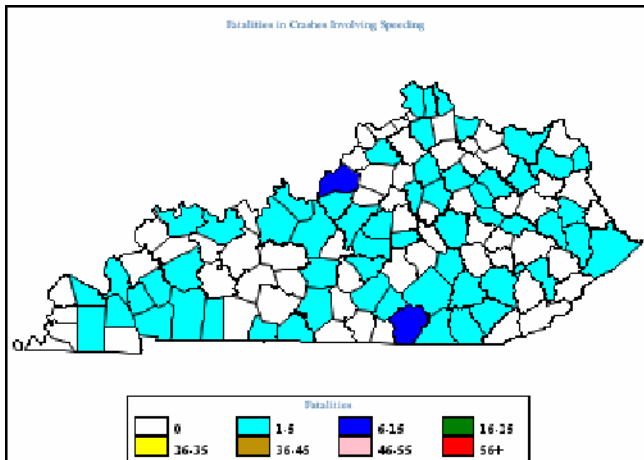
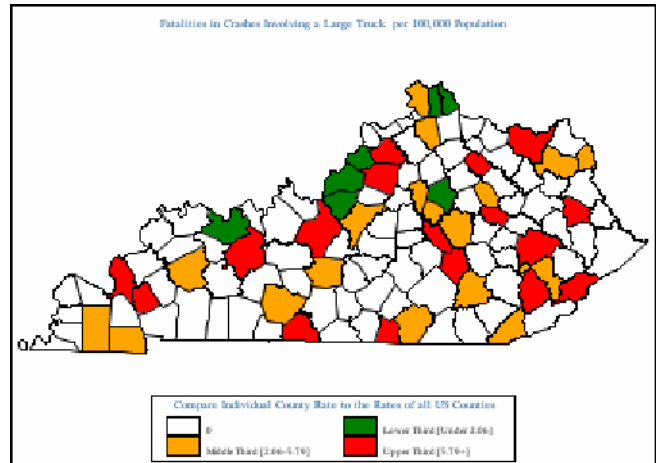
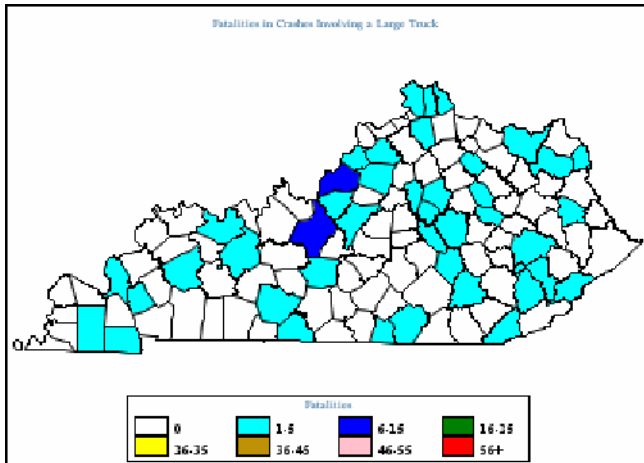


Kentucky Motor Vehicle Crash Fatality Maps for 2015



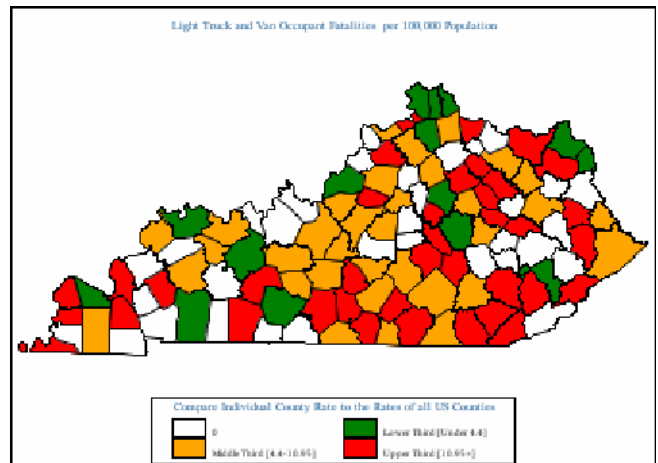
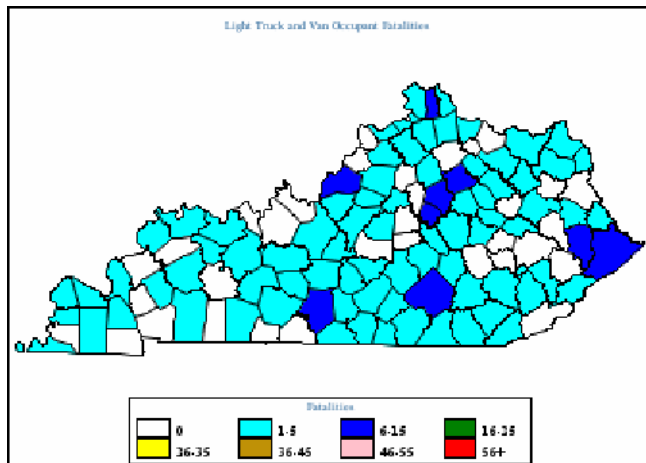
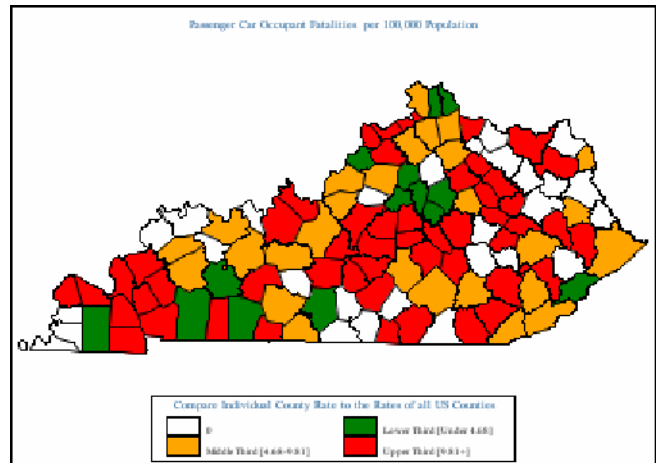
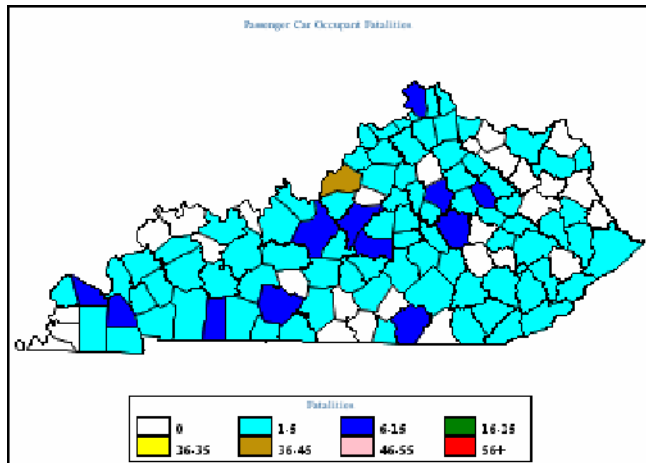
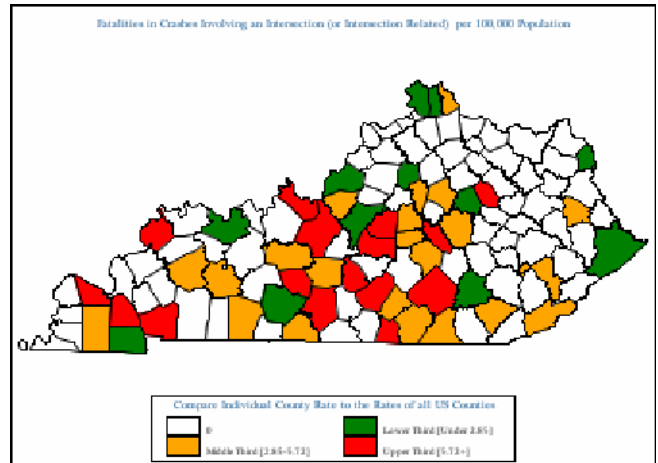
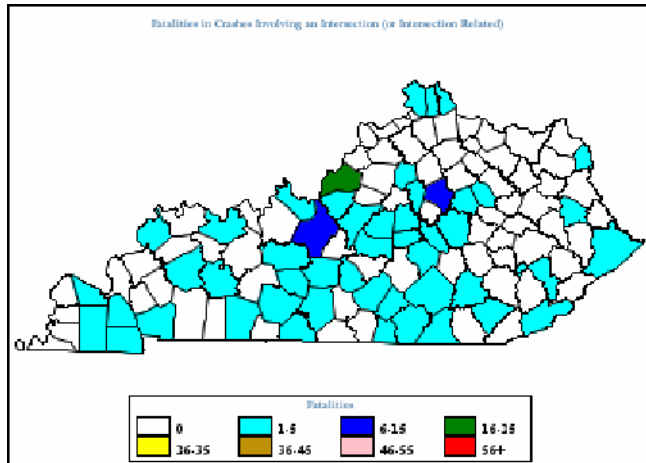


Kentucky Motor Vehicle Crash Fatality Maps for 2015





Kentucky Motor Vehicle Crash Fatality Maps for 2015





Kentucky Motor Vehicle Crash Fatality Maps for 2015

