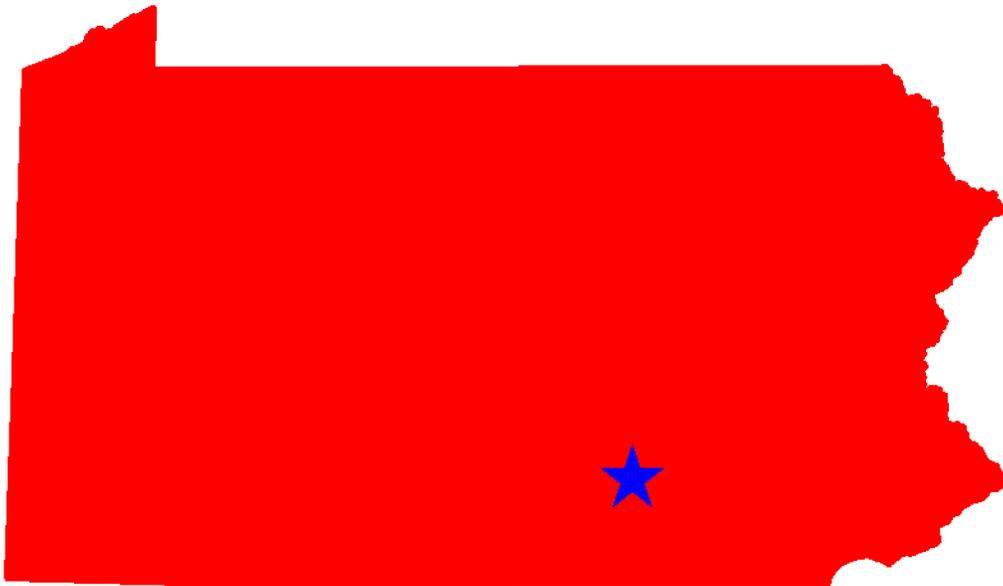




Traffic Safety Facts Pennsylvania 2003-2007



This Report Contains Data From the Following Sources:
Fatality Data - NCSA Fatality Analysis Reporting System (FARS)
FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)
Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Pennsylvania 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

- Pg3. Fatality Rates: Pennsylvania , U.S. and Best State
- Pg4. Alcohol-Related Fatalities: Pennsylvania , U.S. and Best State (Old Definition)
- Pg5. Alcohol-Impaired Driving Fatalities: Pennsylvania , U.S. and Best State (New Definition)
- Pg6. Fatalities Per 100 Million VMT: Pennsylvania , U.S.
- Pg6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Pennsylvania , U.S.
- Pg7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Pennsylvania , U.S. and Best State
- Pg8. Passenger Vehicle Occupant Fatalities by Restraint Use: Pennsylvania , U.S. and Best State
- Pg9. Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Pennsylvania , U.S.
- Pg9. Passenger Vehicle Occupant by Observed Restraint Use: Pennsylvania , U.S.
- Pg10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
- Pg10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
- Pg11. Motorcycle Occupant Fatalities by Helmet Use and Lives Saved Estimates
- Pg12. Fatalities by Person Type
- Pg13. Fatalities by Crash Type
- Pg14. Motorcyclist Fatalities by Age
- Pg14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
- Pg15. Top 10 Counties for Fatalities and Fatality Rates
- Pg16. Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates



Fatality Rates: Pennsylvania , 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
2003	Pennsylvania	1,577	106,347	1.48	12,327,250	12.79
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Pennsylvania	1,490	108,070	1.38	12,348,618	12.07
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Pennsylvania	1,616	108,042	1.50	12,367,276	13.07
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Pennsylvania	1,525	108,278	1.41	12,402,817	12.30
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Pennsylvania	1,491			12,432,792	11.99
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

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

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

[Back To The Table of Contents](#)



Alcohol-Related Fatalities: Pennsylvania , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Pennsylvania	1,577	621	39	541	34	0.51
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Pennsylvania	1,490	616	41	546	37	0.50
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Pennsylvania	1,616	639	40	560	35	0.52
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Pennsylvania	1,525	608	40	532	35	0.49
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Pennsylvania	1,491	611	41	530	36	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

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

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities: Pennsylvania , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Pennsylvania	1,577	496	31	0.47
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Pennsylvania	1,490	517	35	0.48
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Pennsylvania	1,616	526	33	0.49
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Pennsylvania	1,525	492	32	0.45
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Pennsylvania	1,491	500	34	
	US	41,059	12,998	32	0.43
	Best State*			17	

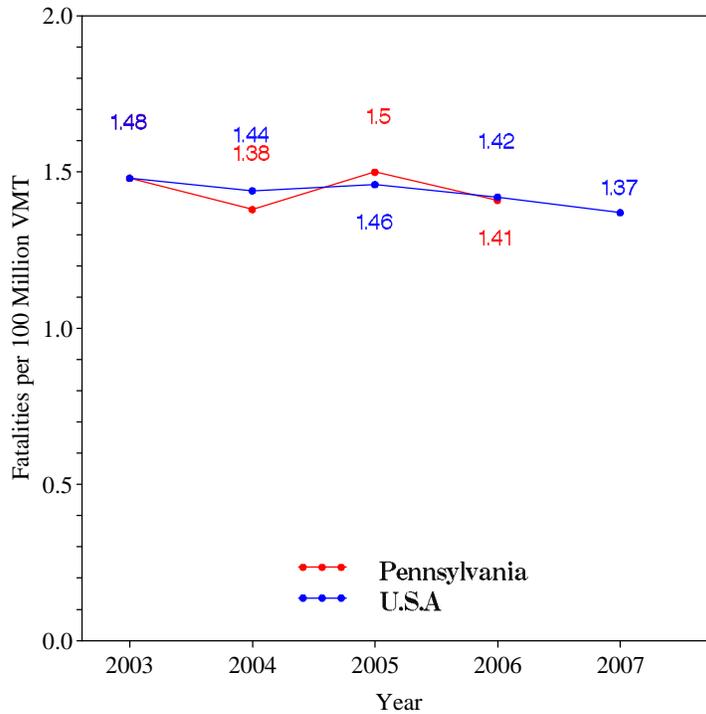
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

[Back To The Table of Contents](#)

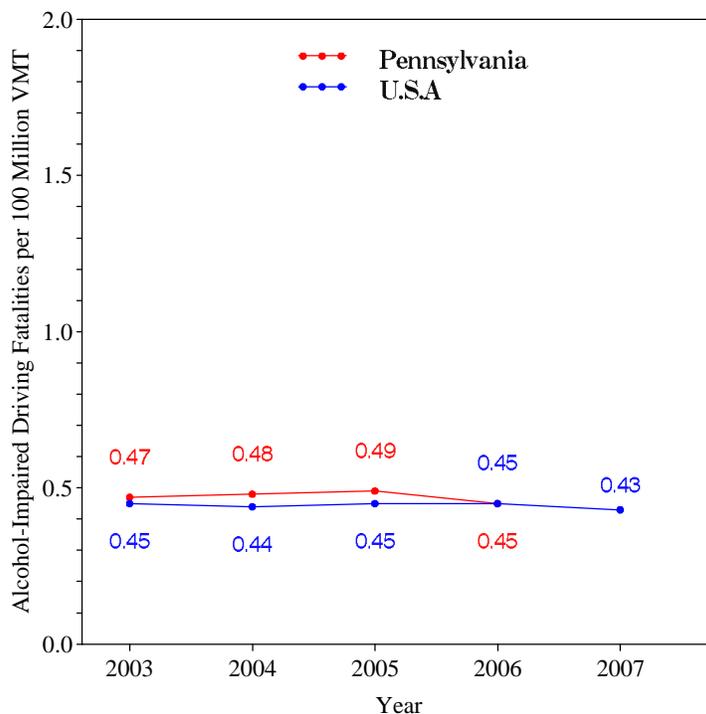


Fatalities per 100 Million VMT: Pennsylvania and U.S



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT: Pennsylvania and U.S



[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Pennsylvania , 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
2003	Pennsylvania	342	97	28	882	759	86	1,224	856	70
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Pennsylvania	357	89	25	825	678	82	1,182	767	65
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Pennsylvania	395	130	33	916	740	81	1,311	870	66
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Pennsylvania	315	115	37	904	709	78	1,219	824	68
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Pennsylvania	362	116	32	854	668	78	1,216	784	64
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

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

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities by Restraint Use: Pennsylvania , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Pennsylvania	1,169	451	39	79
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Pennsylvania	1,110	445	40	82
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Pennsylvania	1,171	430	37	83
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Pennsylvania	1,092	399	37	
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Pennsylvania	1,034	391	38	87
	US	28,933	13,306	46	82
	Best State*			64	98

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

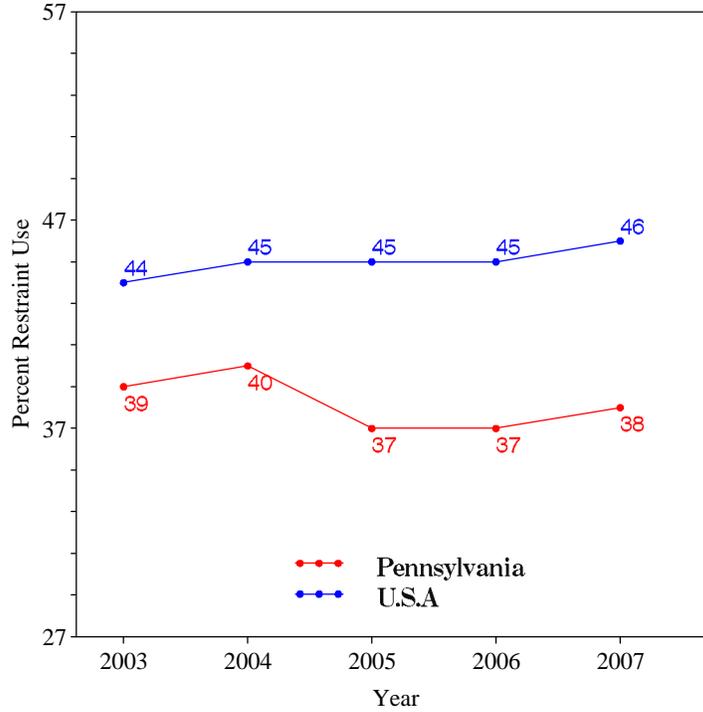
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

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

[Back To The Table of Contents](#)

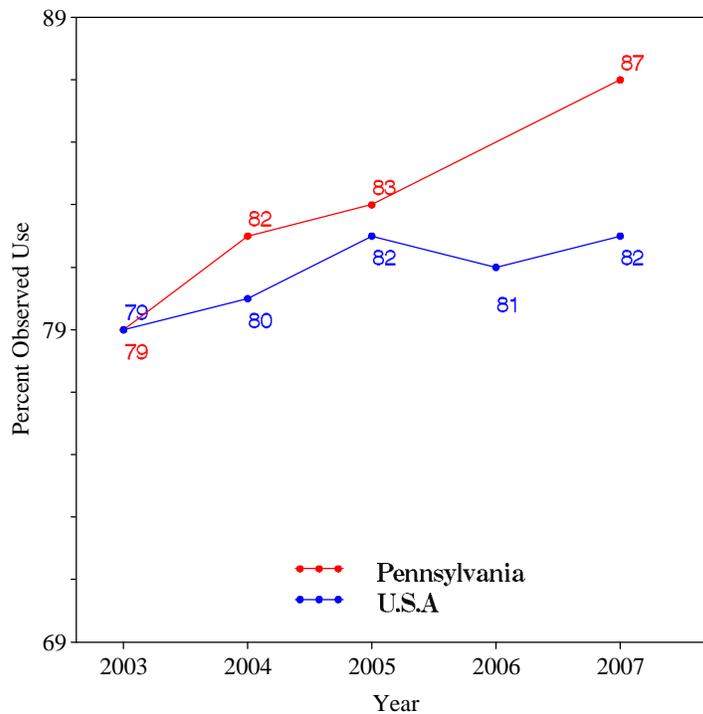


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Pennsylvania and U.S



[Back To The Table of Contents](#)

Passenger Vehicle Occupants by Percent Restraint Use Observed: Pennsylvania and U.S



[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	1,154	437	717	444	207
2004	1,099	434	665	464	187
2005	1,161	420	741	447	185
2006	1,078	387	691	417	162
2007	1,030	388	642	412	147

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)

Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	15	14	1	0	1
2004	10	10	0	17	0
2005	10	10	0	15	0
2006	11	10	1	12	1
2007	4	4	0	6	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	156	122	34	72	13
2004	158	78	80	46	30
2005	205	110	95	65	35
2006	188	99	89	58	33
2007	225	103	122	61	45

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	827	18	763	18	793	17	711	16	706	17
	Light Truck - Pickup	116	3	109	3	145	3	149	3	100	2
	Light Truck - Utility	156	3	172	4	158	3	169	4	170	4
	Light Truck - Van	69	2	66	2	74	2	62	1	58	1
	Light Truck - Other	1	0	0	0	1	0	1	0	0	0
	Large Truck	28	1	26	1	30	1	35	1	30	1
	Bus	1	0	1	0	1	0	1	0	4	0
	Other/Unknown Occupants	26	1	26	1	23	0	23	1	20	0
	Total Occupants	1,224	27	1,163	27	1,225	26	1,151	26	1,088	26
Motorcyclists	Motorcycle	156	3	158	4	205	4	188	4	225	5
Non-Occupants	Pedestrian	170	4	150	3	159	3	166	4	151	4
	Bicyclist and Other Cyclist	20	0	14	0	18	0	13	0	20	0
	Other/Unknown Non-Occupants	7	0	5	0	9	0	7	0	7	0
	Total Non-Occupants	197	4	169	4	186	4	186	4	178	4
Total	Total	1,577	34	1,490	35	1,616	35	1,525	35	1,491	35

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	1,577	1,490	1,616	1,525	1,491
- Single Vehicle (1)	854	802	888	886	843
- Involving a Large Truck (2)	224	189	183	193	194
- Involving Speeding (3)	652	661	757	675	783
- Involving a Rollover (4)	362	338	372	367	340
- Involving a Roadway Departure (5)	1,091	1,110	1,126	1,047	953
- Involving an Intersection (or Intersection related) (6)	322	342	340	335	307

(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

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	9	42	31	41	22	11	156
2004	11	39	39	40	21	7	157
2005	12	55	33	51	35	18	204
2006	15	55	52	38	17	10	187
2007	15	60	41	54	37	17	224

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	156	268,990	57.99
2004	157	292,196	53.73
2005	204	305,837	66.70
2006	187	330,938	56.51
2007	224		

*Data Source: FHWA

[Back To The Table of Contents](#)



Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Philadelphia County	125	8.62
2	Allegheny County	76	6.23
3	Lancaster County	64	12.84
4	Bucks County	60	9.66
5	Montgomery County	57	7.34
6	Chester County	55	11.31
7	York County	54	12.83
8	Luzerne County	53	16.97
9	Westmoreland County	50	13.80
10	Berks County	49	12.19

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Greene County	12	30.38
2	Clinton County	11	29.56
3	Somerset County	23	29.54
4	Forest County	2	28.76
5	Clarion County	11	27.48
6	Clearfield County	22	27.01
7	Warren County	11	26.84
8	Susquehanna County	11	26.75
9	Fayette County	38	26.29
10	Crawford County	22	24.81

[Back To The Table of Contents](#)



Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Philadelphia County	35	2.44
2	Allegheny County	34	2.76
3	Bucks County	23	3.65
4	Montgomery County	22	2.87
5	Luzerne County	22	7.08
6	Chester County	22	4.46
7	Fayette County	21	14.67
8	Lancaster County	21	4.13
9	Westmoreland County	20	5.58
10	York County	20	4.73

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Forest County	2	25.88
2	Cameron County	1	18.70
3	Fayette County	21	14.67
4	Perry County	6	13.06
5	Clinton County	4	11.82
6	Somerset County	8	10.53
7	Susquehanna County	4	9.97
8	Warren County	4	9.52
9	Columbia County	6	8.65
10	Greene County	3	8.61

[Back To The Table of Contents](#)