

MOTOR VEHICLE CRASHES

- The number of deaths and the age-adjusted death rate for motor vehicle crashes declined between 1985 and 1995. There were 1,514 resident deaths in 1995 for a rate of 11.9 per 100,000, compared to 1,793 deaths in 1985 and a rate of 14.7.
- Between 1985 and 1993, white males had the highest age-adjusted death rates. However, in 1994 and again in 1995, the rates for black males were the highest among the four sex/race groups.
- The 1995 age-adjusted death rate for black males was 19.0 per 100,000, 23 percent higher than the 1985 rate of 15.4. The number of resident deaths to black males in motor vehicle crashes increased by 34 percent from 76 in 1985 to 102 in 1995.
- The age-adjusted death rate for white males declined between 1985 and 1995 from 22.8 to 16.3, a difference of 29 percent. The number of resident deaths declined from 1,200 in 1985 to 874 in 1995.
- Among females of all races, the age-adjusted death rates were much lower than those for males and they have not changed much throughout the years of 1985-1995.
- As occurred with age-adjusted death rates, the age-specific death rates for males were consistently much higher than those for females.
- Among males of both races, the highest age-specific rates were among the young (ages 15-29) and the old (ages 75+).
- Even though the age-specific rates among the elderly (ages 65+) were much higher for males, the number of elderly female deaths were similar to those for elderly males. This is due to the fact that there are many more elderly women than men.
- Sixteen percent or 1,270 of the 7,867 deaths due to motor vehicle crashes during 1991-1995 were to residents less than 20 years of age. Another 22 percent were to residents aged 65 and older.
- Almost half (30) of the 67 counties in the state had average annual age-adjusted death rates for motor vehicle crashes that were considered significantly higher than the corresponding state rate for 1991-1995.
- Practically all of the 30 counties with rates significantly higher than the state were rural with rather small populations.
- Five counties (Allegheny, Beaver, Delaware, Montgomery, and Philadelphia) had average annual (1991-1995) age-adjusted death rates that were considered significantly lower than the corresponding state rate.

**HIGHEST AGE-ADJUSTED DEATH RATES:
Black males (1994-95); white males (1985-93); mostly rural counties**

**HIGHEST AGE-SPECIFIC DEATH RATES:
Young (ages 15-39) and elderly (ages 70+) males**

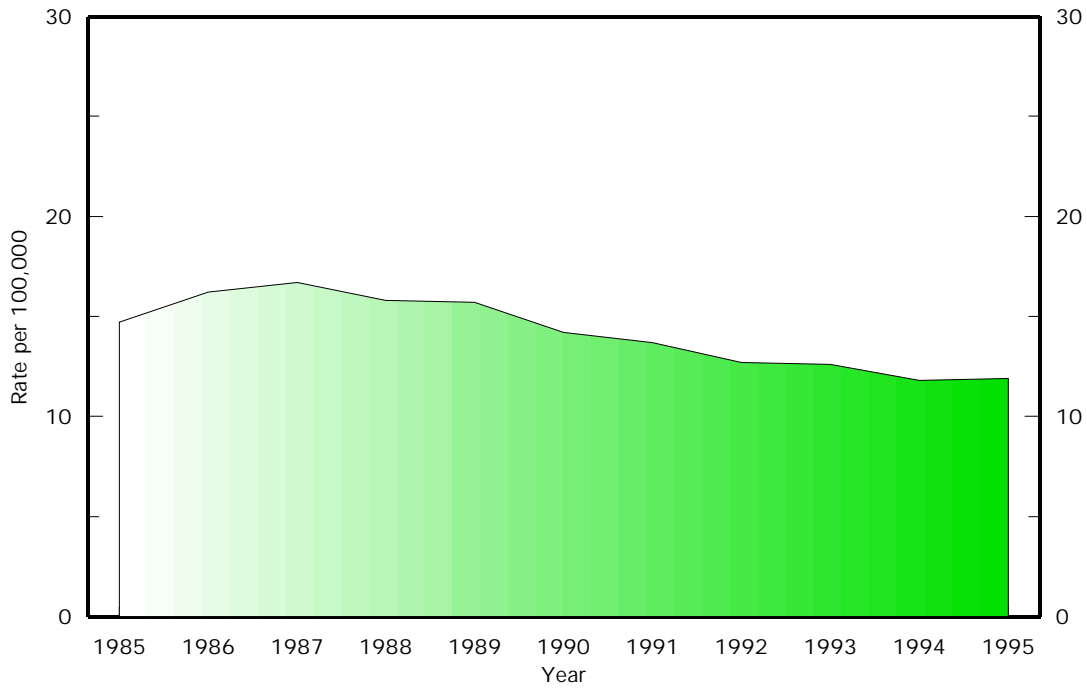
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TABLE 2-A
TOTAL NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES, BY YEAR
PENNSYLVANIA RESIDENTS, 1985-1995

YEAR	NO.	RATE	YEAR	NO.	RATE
1985	1,793	14.7	1991	1,662	13.7
1986	1,977	16.2	1992	1,598	12.7
1987	2,047	16.7	1993	1,595	12.6
1988	1,958	15.8	1994	1,498	11.8
1989	1,940	15.7	1995	1,514	11.9
1990	1,758	14.2			

NOTE: Age-adjusted rates are computed by the direct method using the 1940 standard million population. Rates are per 100,000.

FIGURE 2-A
AGE-ADJUSTED DEATH RATE
PENNSYLVANIA RESIDENTS, 1985-1995



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TABLE 2-B
NUMBER OF DEATHS AND AGE-ADJUSTED DEATH RATES BY SEX AND RACE, BY YEAR
PENNSYLVANIA RESIDENTS, 1985-1995

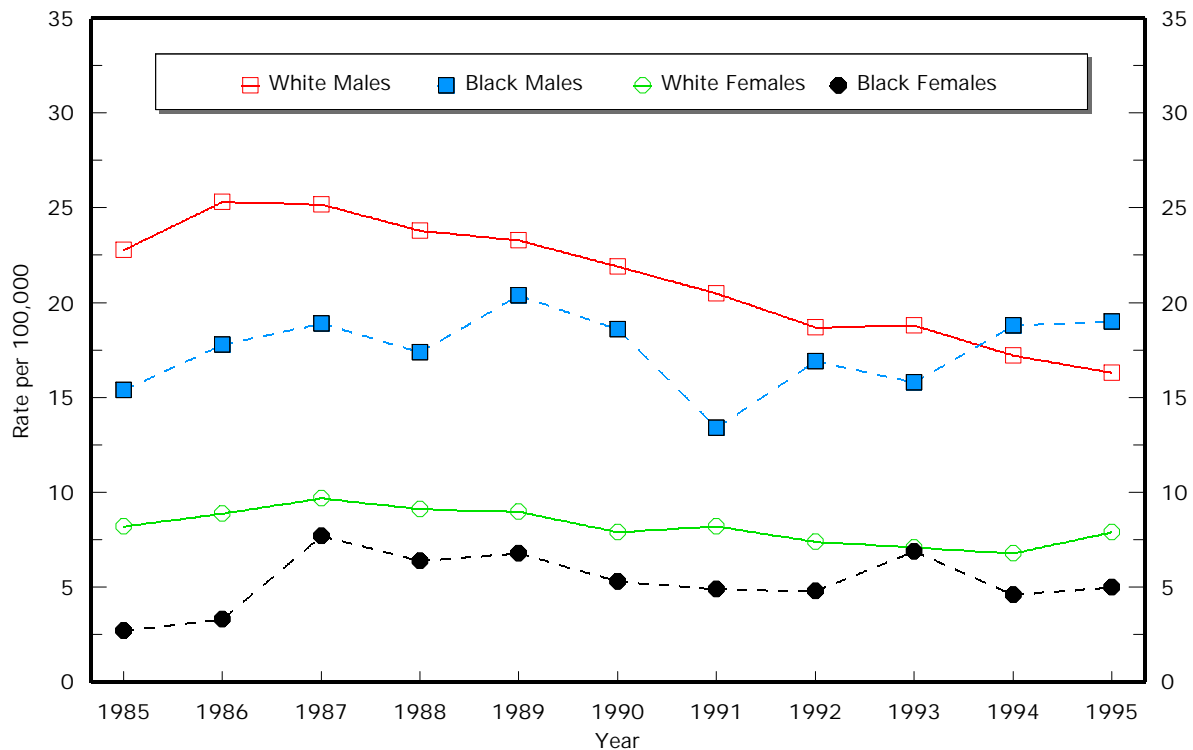
YEAR	MALES*						FEMALES					
	ALL RACES		WHITE**		BLACK		ALL RACES		WHITE**		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
1985	1,286	22.1	1,200	22.8	76	15.4	507	7.6	488	8.2	16	2.7
1986	1,420	24.4	1,325	25.3	89	17.8	557	8.4	530	8.9	20	3.3
1987	1,419	24.3	1,323	25.2	93	18.9	628	9.4	579	9.7	44	7.7
1988	1,359	23.1	1,264	23.8	87	17.4	599	8.8	556	9.1	37	6.4
1989	1,351	22.9	1,238	23.3	99	20.4	589	8.7	547	9.0	39	6.8
1990	1,238	21.2	1,134	21.9	94	18.6	520	7.6	477	7.9	34	5.3
1991	1,133	19.7	1,056	20.5	69	13.4	529	7.9	493	8.2	29	4.9
1992	1,084	18.4	987	18.7	86	16.9	514	7.2	478	7.4	29	4.8
1993	1,086	18.3	994	18.8	83	15.8	509	7.1	458	7.1	44	6.9
1994	1,038	17.3	922	17.2	101	18.8	460	6.6	424	6.8	30	4.6
1995	989	16.4	874	16.3	102	19.0	525	7.6	485	7.9	33	5.0

* Unknown sex included in the male category.

** Unknown race included in the white category.

NOTE: Age-adjusted rates are computed by the direct method using the 1940 U.S. standard million population.
Rates are per 100,000.

FIGURE 2-B
AGE-ADJUSTED DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 1985-1995



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TABLE 2-C
TOTAL NUMBER OF DEATHS AND AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES BY SEX AND RACE
PENNSYLVANIA RESIDENTS, 1991-1995

AGE GROUP	ALL DEATHS		M A L E S*						F E M A L E S					
	NO.	RATE	ALL RACES		WHITE**		BLACK		ALL RACES		WHITE**		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL***	7,867	13.1	5,330	18.5	4,833	18.8	441	16.5	2,537	8.1	2,338	8.4	165	5.4
< 5	148	3.6	81	3.9	62	3.5	15	5.4	67	3.4	53	3.2	12	4.4
5-9	142	3.5	92	4.5	70	4.0	20	8.2	50	2.6	38	2.3	12	5.0
10-14	173	4.5	116	5.9	108	6.3	8	3.6	57	3.0	52	3.2	5	2.3
15-19	807	19.5	555	26.5	505	27.7	46	19.9	252	12.3	233	13.1	16	7.0
20-24	1,082	25.8	820	38.9	744	40.5	63	27.4	262	12.6	248	13.7	11	4.8
25-29	826	19.4	632	29.7	577	31.0	48	21.4	194	9.1	183	9.8	9	3.8
30-34	679	14.4	521	22.4	469	22.7	46	20.9	158	6.6	149	7.1	8	3.3
35-39	589	12.5	433	18.7	387	18.6	42	20.9	156	6.5	136	6.4	17	7.2
40-44	427	9.8	302	14.0	278	14.3	20	11.6	125	5.6	107	5.4	15	7.3
45-49	388	10.5	277	15.4	247	15.0	26	19.3	111	5.8	99	5.8	8	4.8
50-54	289	9.4	201	13.6	180	13.3	20	18.5	88	5.5	79	5.5	6	4.3
55-59	287	10.4	175	13.4	153	12.7	20	21.1	112	7.7	98	7.4	10	7.9
60-64	302	10.8	198	15.3	180	15.1	16	18.3	104	6.9	96	7.0	7	5.7
65-69	354	12.6	188	15.1	172	14.8	15	18.5	166	10.6	158	10.9	7	6.2
70-74	380	15.4	206	19.9	187	19.3	18	29.2	174	12.1	166	12.4	7	7.5
75-79	408	21.4	217	29.4	208	30.0	9	21.7	191	16.3	184	16.8	5	7.0
80-84	344	27.7	177	41.3	172	42.6	4	17.1	167	20.6	163	21.4	4	8.4
85+	241	23.8	138	48.4	133	49.6	5	31.8	103	14.2	96	14.0	6	14.8

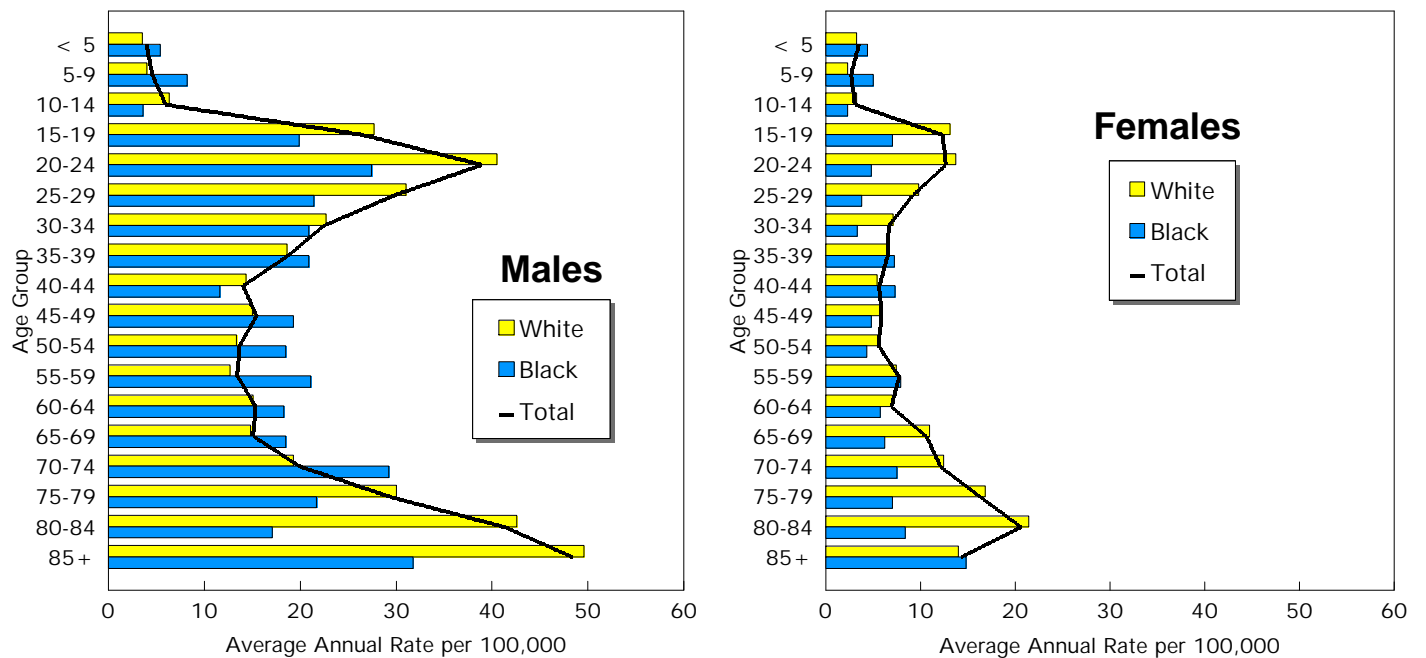
* Unknown sex included in the male category.

** Unknown race included in the white category.

*** Unknown age included in totals.

NOTE: Rates are per 100,000 population (1991-1995) for each specified group.

FIGURE 2-C
AVERAGE ANNUAL AGE-SPECIFIC DEATH RATES
BY SEX AND RACE, PENNSYLVANIA RESIDENTS, 1991-1995



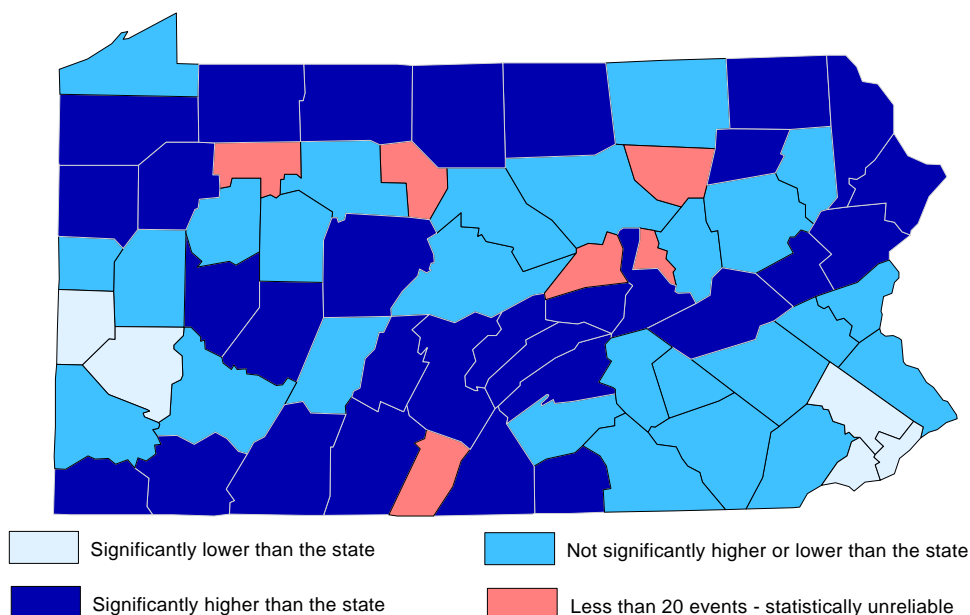
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TABLE 2-D
NUMBER OF DEATHS, AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES, 95 PERCENT CONFIDENCE INTERVALS,
AND SIGNIFICANCE TEST RESULTS, BY COUNTY, PENNSYLVANIA RESIDENTS, 1991-1995

COUNTY	NUMBER	RATE	CI (95%)	COUNTY	NUMBER	RATE	CI (95%)
Adams	79	19.6	15.3-23.9 +	Lackawanna	123	11.3	9.3-13.3
Allegheny	501	7.2	6.6-7.8 -	Lancaster	272	11.9	10.5-13.3
Armstrong	80	22.8	17.8-27.8 +	Lawrence	57	12.0	8.9-15.1
Beaver	88	9.1	7.2-11.0 -	Lebanon	85	15.0	11.8-18.2
Bedford	64	25.6	19.3-31.9 +	Lehigh	207	13.8	11.9-15.7
Berks	249	13.6	11.9-15.3	Luzerne	201	11.5	9.9-13.1
Blair	113	16.4	13.4-19.4 +	Lycoming	91	14.6	11.6-17.6
Bradford	47	16.2	11.6-20.8	McKean	52	17.9	13.0-22.8 +
Bucks	348	11.9	10.6-13.2	Mercer	106	16.7	13.5-19.9 +
Butler	127	15.3	12.6-18.0	Mifflin	47	22.3	15.9-28.7 +
Cambria	112	13.3	10.8-15.8	Monroe	103	19.0	15.3-22.7 +
Cameron	8	28.0		Montgomery	322	8.7	7.7-9.7 -
Carbon	55	18.8	13.8-23.8 +	Montour	11	12.8	
Centre	74	10.9	8.4-13.4	Northampton	151	11.2	9.4-13.0
Chester	242	12.4	10.8-14.0	Northumberland	92	19.4	15.4-23.4 +
Clarion	36	15.2	10.2-20.2	Perry	42	22.0	15.3-28.7 +
Clearfield	74	19.2	14.8-23.6 +	Philadelphia	823	9.8	9.1-10.5 -
Clinton	28	15.5	9.8-21.2	Pike	36	21.4	14.4-28.4 +
Columbia	39	10.6	7.3-13.9	Potter	21	24.2	13.8-34.6 +
Crawford	83	18.2	14.3-22.1 +	Schuylkill	163	19.6	16.6-22.6 +
Cumberland	123	11.6	9.5-13.7	Snyder	46	24.2	17.2-31.2 +
Dauphin	144	11.9	10.0-13.8	Somerset	77	21.4	16.6-26.2 +
Delaware	260	8.8	7.7-9.9 -	Sullivan	8	22.5	
Elk	30	16.5	10.6-22.4	Susquehanna	52	28.8	21.0-36.6 +
Erie	197	13.3	11.4-15.2	Tioga	51	24.1	17.5-30.7 +
Fayette	156	21.4	18.0-24.8 +	Union	19	8.3	
Forest	8	28.0		Venango	66	21.6	16.4-26.8 +
Franklin	131	20.2	16.7-23.7 +	Warren	47	20.5	14.6-26.4 +
Fulton	17	21.6		Washington	159	15.1	12.8-17.4
Greene	46	21.6	15.4-27.8 +	Wayne	53	24.5	17.9-31.1 +
Huntingdon	74	30.4	23.5-37.3 +	Westmoreland	243	13.4	11.7-15.1
Indiana	88	17.6	13.9-21.3 +	Wyoming	30	21.0	13.5-28.5 +
Jefferson	36	13.8	9.3-18.3	York	229	13.5	11.8-15.2
Juniata	25	26.1	15.9-36.3 +				
				Pennsylvania	7,867	12.5	12.2-12.8

NOTE: A + or - after the confidence interval (CI) denotes if the county rate was higher or lower than the state rate. No + or - after a CI denotes no significant difference. CIs and testing results were not calculated and shown for rates based on less than 20 events. See Technical Notes.

FIGURE 2-D
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES AND SIGNIFICANCE TEST RESULTS, BY COUNTY
PENNSYLVANIA RESIDENTS, 1991-1995



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TABLE 2-E
NUMBER OF DEATHS, TOTAL AND BY SELECTED AGE GROUPS, BY COUNTY
PENNSYLVANIA RESIDENTS, 1991-1995

COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)			COUNTY	TOTAL DEATHS*	AGE AT DEATH (IN YEARS)		
		< 20	20-64	65+			< 20	20-64	65+
Pennsylvania	7,867	1,270	4,869	1,727					
Adams	79	20	48	11	Juniata	25	8	14	3
Allegheny	501	63	317	121	Lackawanna	123	20	76	27
Armstrong	80	10	58	12	Lancaster	272	52	158	62
Beaver	88	8	58	22	Lawrence	57	10	37	10
Bedford	64	10	40	14	Lebanon	85	18	54	13
Berks	249	33	151	65	Lehigh	207	49	112	46
Blair	113	16	74	23	Luzerne	201	24	119	58
Bradford	47	18	20	9	Lycoming	91	12	61	18
Bucks	348	39	233	76	McKean	52	4	32	16
Butler	127	24	84	19	Mercer	106	17	65	24
Cambria	112	13	72	27	Mifflin	47	12	29	6
Cameron	8	1	6	1	Monroe	103	15	72	16
Carbon	55	10	30	15	Montgomery	322	48	173	101
Centre	74	8	49	17	Montour	11	2	7	2
Chester	242	46	149	47	Northampton	151	26	92	33
Clarion	36	8	20	8	Northumberland	92	15	57	20
Clearfield	74	15	47	12	Perry	42	13	28	1
Clinton	28	5	21	2	Philadelphia	823	119	493	210
Columbia	39	6	23	10	Pike	36	8	19	9
Crawford	83	10	56	17	Potter	21	2	15	4
Cumberland	123	18	84	21	Schuylkill	163	17	99	47
Dauphin	144	21	95	28	Snyder	46	7	32	7
Delaware	260	43	155	62	Somerset	77	16	51	10
Elk	30	4	20	6	Sullivan	8	1	4	3
Erie	197	38	113	46	Susquehanna	52	10	38	4
Fayette	156	16	114	26	Tioga	51	13	31	7
Forest	8	0	5	3	Union	19	5	9	5
Franklin	131	20	82	29	Venango	66	15	37	14
Fulton	17	3	8	6	Warren	47	6	28	13
Greene	46	7	28	11	Washington	159	34	89	36
Huntingdon	74	12	41	21	Wayne	53	11	31	11
Indiana	88	14	56	18	Westmoreland	243	39	164	40
Jefferson	36	7	17	12	Wyoming	30	6	20	4
					York	229	50	149	30

* Unknown age included in total.