

New Jersey Health Statistics 1988

**CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH**

New Jersey Health Statistics 1988

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New Jersey Health Statistics 1988

INTRODUCTION

New Jersey Health Statistics 1988 is comprised of fourteen subsections, each covering a specific health topic, with information compiled by the Center for Health Statistics from the State's health data bases. The report encompasses highlights, a historical perspective, natality, mortality, marriages and divorces, communicable diseases, accidents, fertility, abortions, hospitalizations, a special report on suicides, two reports on population estimates and a summary of vital statistics by municipality. A compilation of technical notes is included to explain the statistical methods used and the data limitations. A list of definitions and a description of rates, ratios, proportions and indices used in the report are also included in the Technical Notes Section.

State and county statistics are presented, along with selected municipality data, when appropriate. The Municipality Gross Summary presents data on population, births, deaths and marriages for each of the State's counties and municipalities. Additional vital statistics at the municipality level are available for inspection and use in the Center for Health Statistics' office in Trenton. Copies of specific municipality information have been supplied to county and local Health Officers.

The birth, death, marriage and fetal death data presented in this report were obtained from certificates on events which occurred in 1988 and were filed with the State Registrar prior to April 30, 1989. Except where noted, data on births, deaths and fetal deaths include all reported resident events, regardless of the state of occurrence. Transfer among the states of information on resident births, deaths and fetal deaths is affected through participation in the national Vital Statistics Cooperative Program. Marriages are recorded by place of occurrence; all marriage data presented in this report encompass only events that occurred in New Jersey. Divorce information included in this report was obtained from the New Jersey Superior Court, Chancery Division. Divorces are recorded by place of judgment and the divorce data, like the statistics on marriages, encompass only events occurring within New Jersey.

Population estimates for counties and municipalities included in the report were developed by the Office of Demographic and Economic Analysis in the New Jersey State Department of Labor, which has been assigned responsibility for providing official annual estimates of population for the State's counties and municipalities. Estimates of age, race and sex distributions of the population of each of the 21 counties in the State were generated by staff of the Center for Health Statistics; these estimates were controlled to the Department of Labor's county estimates. The age-race-sex specific estimates presented in the report are

intended for use only in the computation of health rates, as these figures are considered to be crude estimates of the actual populations in age-race-sex specific subgroups.

The remaining data contained in the report were derived from a number of sources. Information on numbers of cases of communicable diseases were provided through the Division of AIDS, Prevention and Control, in the case of AIDS data, and through various units of the Division of Epidemiology, for statistics on other reportable diseases. Abortion data were reported directly to the Center for Health Statistics by licensed outpatient abortion facilities and hospitals, on a monthly basis. Information on hospitalization in New Jersey was obtained from medical discharge abstract summary data submitted to the Department by all acute care, general and specialty hospitals in the State.

The purpose of the annual New Jersey health statistics report is to provide a comprehensive summary of the health statistics compiled and maintained by the New Jersey Department of Health. This report is the primary reference document for vital statistics data. It should be noted that the accuracy of the data contained in this report depends on the completeness and validity of the information recorded in the data files on which it is based. Additional discussion of data limitations can be found in the introduction of each section and in the Technical Notes Section of this report.

Data tables in this report are presented in the most frequently requested formats. Additional information is available from the Center for Health Statistics. Inquiries regarding the contents of this report or requests for additional information should be addressed to:

Center for Health Statistics
New Jersey Department of Health
Room 405--CN 360
Trenton, NJ 08625-0360

Highlights 1988

CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Highlights 1988

HIGHLIGHTS

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-----NOTE-----

The Highlights section presents an overview of New Jersey Health Statistics 1988. Highlights contains selected data for residents of the State and its counties and larger municipalities. The remaining sections of New Jersey Health Statistics 1988 provide detailed information from each of the major health areas for which data are available in the Center for Health Statistics.

Center for Health Statistics
Division of Management and Administration
New Jersey Department of Health

Highlights 1988

POPULATION

New Jersey reached a 1980 population total of 7,365,011, ranking it 9th in the nation in terms of population. With an average of 983.0 persons per square mile, it retained its position as the most densely populated of the states. The 1980 Census indicated that New Jersey's median age was 32.2 years, higher than the U.S. level of 30.0. From 9.7 percent in 1970, the 65 years and over group rose to 11.7 percent of the total population in 1980. Population estimates for 1988 indicate a further increase in the percentage of the State's population 65 and over to 13.1 percent. The July 1, 1988 total population estimate of 7,721,000 reflected a net migration gain of 78,000 for the State since the 1980 census.

NATALITY

There were 117,481 resident births in New Jersey in 1988. This figure is a 3.8 percent increase over the 1987 birth total. The State birth rate was 15.2 live births per 1,000 population, which was 4.4 percent below the national rate.

...Age of Mother

There were 85 more births to teenage females in 1988 than in 1987, although births to teenage mothers as a percentage of total births declined from 9.2 to 8.9 percent. Approximately one-third of all 1988 births were to women aged 25 through 29 years. Women 35 years and older showed an increase of 1,417 births, for a 13.3 percent rise over the previous year.

...Births to
Unwed Mothers

Of all live births to New Jersey residents during 1988, 24.1 percent were to unwed mothers. The percentage of births to unwed mothers is highest for teenagers; 81.3 percent of the births to teenage females were illegitimate. The percent-age of out-of-wedlock births declined with the age of the mother - 44.1 percent of births to 20 through 24 year old women and 11.6 percent of births to females 25 and over were illegitimate.

...Low Birth
Weight

In 1988, the incidence of low birth weight babies in New Jersey remained constant at the 1987 level of 6.8 percent. The proportion of low birth weight babies was highest among mothers under the age of 20 and aged 45 and over and lowest among those aged 25 through 34 years. The ratio of black to white rates of low birth weight babies was 2.5 to 1.

...Multiple
Births

There were 2,769 pregnancies that resulted in multiple live births in 1988. Of these, 2,675 pregnancies (96.6%) resulted in twin births and in 94 (3.4%) the outcome was three or more infants.

MORTALITY

With an older population than in the U.S. as a whole, New Jersey's crude death rate exceeded the national rate. For 1988, the New Jersey crude mortality rate per 1,000 population was 9.4, while the U.S. rate was 8.8. There were 72,688 deaths of New Jersey residents in 1988, an increase of 960 over the 1987 level.

...Leading Causes

In 1988, heart disease, cancer, cerebrovascular diseases, pneumonia/influenza and accidents were the five leading causes of death in New Jersey. Mortality from heart disease and cancer is higher in New Jersey than nationally, but the mortality rates from cerebrovascular diseases and accidental injuries are lower than the national rates. Mortality in the State decreased in 1988 for accidents, suicides, cerebrovascular diseases, chronic liver disease and malignant neoplasms, while increasing for diseases of the heart, pneumonia and influenza, septicemia and homicides. Among the leading causes of death, the seventh ranking cause, septicemia, had the

greatest percentage increase in the number of deaths over 1987 figures (16.7%). Human immunodeficiency virus infections (HIV infections) became the eighth leading cause of death among New Jersey residents in 1988, the first year in which specific data were available from death certificates for this cause group. More than three-fourths of the deaths from HIV infections occurred in the population aged 25 through 44 years (75.8 percent). In 1988, HIV infections replaced accidents as the leading cause of death among 25 through 44 year olds.

...Infant Mortality

Infant deaths increased by 94 to 1,151 in 1988 and the infant mortality rate increased to 9.8 per 1,000 births from the 1987 rate of 9.3. Despite this rise, both the neonatal death rate and the infant death rate have been on a downward trend since the Department started collecting statistics in 1879.

...Maternal Mortality

New Jersey's maternal mortality rate has been consistently lower than the nation's rate. Only 3 maternal deaths occurred in 1985, the lowest number to date. In 1988, there were 6 maternal deaths in the State, for a rate of 0.5 per 10,000 live births.

...Fetal Mortality

A total of 1,192 resident fetal deaths, including 277 induced abortions, were reported in 1988. This was a decrease of 71 fetal deaths from the 1987 number which is the largest total recorded since 1971. The 1988 fetal death rate declined to 10.1, from 11.2 in 1987.

MARRIAGE/DIVORCE

The State's annual marriage rate increased in the mid-1980s to its highest level since the post World War II years. The marriage rate stood at 7.9 per 1,000 residents in 1988. The divorce rate per 1,000 residents, which had increased in the late 1970s and early 1980s, declined to a level of 3.5 in both of the years 1987 and 1988. For every 100 marriages performed in New Jersey in 1988, 44 divorces were granted, a ratio of just over 2 marriages to each divorce.

FERTILITY

After nearly a decade of essentially no change, the New Jersey general fertility rate began to increase in 1984. The rate stood at 64.6 births per 1,000 women aged 15 through 44 in 1988. This was the highest level for the State's fertility rate since 1972. New Jersey's fertility rate is consistently lower than the nationwide rate, which was 67.3 in 1988.

ABORTION

A total of 35,987 females obtained legal, induced abortions from licensed facilities in New Jersey in 1988, an increase of 7.8 percent over 1987. Of the females for whom abortions were reported, 24.3 percent were under 20 years of age and 55.8 percent were in the 20-29 year group. Over three-fourths (77.3 percent) were unmarried, 47.6 percent had had no prior live births, while 51.9 percent reported no previous abortions. More than half of the women (51.6 percent) obtained the abortion prior to the 9th week of gestation.

COMMUNICABLE DISEASES

...Gonorrhea

The total number of reported cases in the State declined from the 1987 level of 17,150 to 16,423 in 1988, a reduction of 727 cases, or 4.2 percent.

...Syphilis

New Jersey's case rate for all stages of syphilis increased from 28.8 cases per 100,000 population in 1987 to 37.3 in 1988, the highest rate recorded during this decade.

...Tuberculosis

The State's incidence of tuberculosis decreased from 1,063 cases in 1987 to 1,045 in 1988, a decrease of 1.7 percent. Clinically active cases increased during the same period from 748 to 793 cases, a 6.0 percent increase.

...AIDS

The number of AIDS cases diagnosed in 1988 increased to 1,735; 1,701 cases had been diagnosed in 1987. Rates per 100,000 population for diagnosed cases climbed from 22.2 to 22.5 between 1987 and 1988.

...Other

In 1988, cases of Hepatitis Type A increased 11.9 percent over 1987 reports, from 286 to 320 cases, while Type B decreased by 12.0 percent to 497 cases. In 1988, measles cases increased dramatically to 405 cases from 39 cases in 1987; however, wide annual swings have been typical in the reporting of measles cases. Four cases of rubella were reported in 1988, compared to one in 1987. There were 550 cases of Lyme disease reported in 1988.

TABLE-1

RESIDENT BIRTHS AND DEATHS AND MARRIAGES BY OCCURRENCE
 RATES PER 1,000 POPULATION
 COUNTIES AND SELECTED PLACES
 NEW JERSEY, 1988

PLACE OF RESIDENCE	BIRTHS		MARRIAGES		DEATHS	
	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	117,481	15.2	61,063	7.9	72,688	9.4
ATLANTIC COUNTY	3,725	17.5	1,931	9.1	2,502	11.8
Atlantic City	917	26.2	402	11.5	752	21.5
BERGEN COUNTY	9,934	12.0	6,566	7.9	7,760	9.4
BURLINGTON COUNTY	5,688	14.3	3,030	7.6	2,884	7.3
CAMDEN COUNTY	8,507	17.0	3,477	6.9	4,414	8.8
Camden City	2,351	28.7	587	7.2	849	10.4
Cherry Hill Twp.	758	10.2	534	7.2	614	8.2
Gloucester Twp.	597	11.3	250	4.7	256	4.9
CAPE MAY COUNTY	1,388	14.5	847	8.8	1,235	12.9
CUMBERLAND COUNTY	2,297	16.6	994	7.2	1,392	10.1
Vineland City	889	16.2	401	7.3	540	9.9
ESSEX COUNTY	13,800	16.5	7,013	8.4	8,561	10.2
Bloomfield	604	12.8	343	7.2	526	11.1
East Orange	1,501	19.4	511	6.6	867	11.2
Irvington	1,188	19.3	413	6.7	600	9.8
Newark	6,325	20.2	2,291	7.3	3,278	10.5
GLOUCESTER COUNTY	3,430	15.7	1,648	7.5	1,809	8.3
HUDSON COUNTY	9,187	17.0	4,425	8.2	5,891	10.9
Bayonne	768	12.6	471	7.8	830	13.7
Hoboken	474	11.3	209	5.0	338	8.1
Jersey City	4,303	19.8	1,671	7.7	2,502	11.5
North Bergen Twp.	698	15.3	349	7.6	537	11.7
Union City	1,089	20.4	507	9.5	455	8.5
HUNTERDON COUNTY	1,468	14.6	757	7.5	642	6.4
MERCER COUNTY	5,072	15.3	2,598	7.8	3,117	9.4
Hamilton Twp.	1,126	12.8	759	8.7	793	9.0
Trenton	2,144	23.6	728	8.0	1,207	13.3
MIDDLESEX COUNTY	9,824	15.0	5,026	7.7	5,264	8.1
Edison Twp.	1,338	15.6	501	5.9	637	7.5
New Brunswick	699	17.7	917	23.2	328	8.3
Old Bridge Twp.	630	11.1	384	6.7	346	6.1
Piscataway Twp.	661	15.0	259	5.9	243	5.5
Woodbridge Twp.	1,191	12.8	530	5.7	784	8.4
MONMOUTH COUNTY	8,069	14.4	4,652	8.3	4,990	8.9
Middletown Twp.	808	11.6	435	6.3	524	7.5
MORRIS COUNTY	5,688	13.5	3,539	8.4	3,057	7.3
Parsippany-Troy Hills	588	12.2	326	6.8	281	5.8
OCEAN COUNTY	5,943	14.4	2,598	6.3	5,501	13.3
Brick Twp.	928	14.8	334	5.3	641	10.2
Dover Twp.	1,052	14.2	577	7.8	986	13.3
PASSAIC COUNTY	7,995	17.3	3,900	8.4	4,594	9.9
Clifton	807	10.6	579	7.6	941	12.4
Passaic City	1,322	24.8	499	9.4	543	10.2
Paterson	3,423	24.7	1,266	9.1	1,422	10.2
Wayne Twp.	523	10.2	398	7.8	467	9.1
SALEM COUNTY	894	13.5	439	6.6	684	10.3
SOMERSET COUNTY	3,505	15.4	1,893	8.3	1,596	7.0
SUSSEX COUNTY	2,169	17.1	942	7.4	845	6.7
UNION COUNTY	7,295	14.6	4,082	8.2	5,097	10.2
Elizabeth	2,106	20.0	964	9.2	1,116	10.6
Plainfield	1,008	22.4	377	8.4	452	10.0
Union Twp.	534	10.4	378	7.4	608	11.8
WARREN COUNTY	1,479	16.6	629	7.1	824	9.3
STATE INSTITUTIONS	1		0		4	
MILITARY POSTS	123		77		25	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-2

RESIDENT BIRTHS BY SEX, RACE, LEGITIMACY
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNK.	WHITE	BLACK	OTHER	UNK.	LEGITIMATE	ILLEGITIMATE	UNK.
STATE TOTAL	117,481	60,062	57,415	4	87,572	22,206	3,646	4,057	88,054	28,316	1,111
ATLANTIC COUNTY	3,725	1,880	1,845	0	2,626	978	82	39	2,404	1,318	3
Atlantic City	917	484	433	0	317	566	32	2	263	653	1
BERGEN COUNTY	9,934	5,134	4,800	0	7,849	536	582	967	8,892	740	302
BURLINGTON COUNTY	5,688	2,923	2,765	0	4,551	836	142	159	4,680	990	18
CAMDEN COUNTY	8,507	4,321	4,186	0	6,262	1,788	151	306	5,685	2,794	28
Camden City	2,351	1,172	1,179	0	1,002	1,306	24	19	607	1,743	1
Cherry Hill Twp.	758	414	344	0	624	25	37	72	701	48	9
Gloucester Twp.	597	292	305	0	528	38	10	21	496	100	1
CAPE MAY COUNTY	1,388	722	666	0	1,233	125	12	18	1,041	345	2
CUMBERLAND COUNTY	2,297	1,174	1,123	0	1,645	589	29	34	1,220	1,075	2
Vineland City	889	458	431	0	719	145	12	13	540	348	1
ESSEX COUNTY	13,800	6,959	6,841	0	6,262	6,981	264	293	7,599	6,098	103
Bloomfield	604	304	300	0	528	31	30	15	546	53	5
East Orange	1,501	717	784	0	96	1,380	8	17	567	930	4
Irvington	1,188	599	589	0	280	883	12	13	594	591	3
Newark	6,325	3,214	3,111	0	2,339	3,867	67	52	2,351	3,954	20
GLOUCESTER COUNTY	3,430	1,795	1,635	0	2,918	364	31	117	2,712	706	12
HUDSON COUNTY	9,187	4,685	4,502	0	6,032	2,100	536	519	5,871	3,133	183
Bayonne	768	384	384	0	662	55	20	31	595	161	12
Hoboken	474	245	229	0	293	103	17	61	274	170	30
Jersey City	4,303	2,206	2,097	0	2,019	1,730	356	198	2,247	1,993	63
North Bergen Twp.	698	355	343	0	579	36	38	45	574	112	12
Union City	1,089	545	544	0	899	104	28	58	708	363	18
HUNTERDON COUNTY	1,468	729	739	0	1,408	12	14	34	1,364	97	7
MERCER COUNTY	5,072	2,611	2,461	0	3,369	1,470	156	77	3,394	1,663	15
Hamilton Twp.	1,126	582	544	0	994	80	37	15	969	152	5
Trenton	2,144	1,141	1,003	0	869	1,220	32	23	799	1,342	3
MIDDLESEX COUNTY	9,824	5,093	4,730	1	7,994	1,002	526	302	8,298	1,431	95
Edison Twp.	1,338	716	622	0	1,017	102	172	47	1,234	89	15
New Brunswick	699	342	357	0	367	314	16	2	341	357	1
Old Bridge Twp.	630	305	325	0	561	16	20	33	566	54	10
Piscataway Twp.	661	332	329	0	432	127	85	17	567	88	6
Woodbridge Twp.	1,191	628	563	0	1,014	67	66	44	1,083	99	9
MONMOUTH COUNTY	8,069	4,148	3,920	1	6,546	1,073	193	257	6,625	1,358	86
Middletown Twp.	808	425	383	0	726	23	30	29	740	62	6
MORRIS COUNTY	5,688	2,958	2,730	0	5,198	169	206	115	5,210	444	34
Parsippany-Troy Hills	588	317	271	0	500	21	61	6	545	40	3
OCEAN COUNTY	5,943	2,991	2,951	1	5,504	248	51	140	5,016	888	39
Brick Twp.	928	457	470	1	910	5	8	5	840	88	0
Dover Twp.	1,052	534	518	0	1,015	23	11	3	878	173	1
PASSAIC COUNTY	7,995	4,039	3,956	0	5,928	1,641	286	140	5,490	2,455	50
Clifton	807	418	389	0	715	39	37	16	732	71	4
Passaic City	1,322	674	648	0	866	377	46	33	808	504	10
Paterson	3,423	1,741	1,682	0	2,055	1,198	152	18	1,689	1,724	10
Wayne Twp.	523	255	268	0	486	6	12	19	493	25	5
SALEM COUNTY	894	463	431	0	548	203	8	135	556	320	18
SOMERSET COUNTY	3,505	1,835	1,670	0	3,036	250	149	70	3,172	313	20
SUSSEX COUNTY	2,169	1,104	1,065	0	2,014	13	20	122	1,996	134	39
UNION COUNTY	7,295	3,680	3,614	1	5,178	1,774	195	148	5,449	1,793	53
Elizabeth	2,106	1,060	1,045	1	1,477	537	63	29	1,305	795	6
Plainfield	1,008	495	513	0	318	644	18	28	512	482	14
Union Twp.	534	268	266	0	444	55	20	15	477	53	4
WARREN COUNTY	1,479	759	720	0	1,385	21	10	63	1,270	207	2
STATE INSTITUTIONS	1	0	1	0	0	1	0	0	0	0	0
MILITARY POSTS	123	59	64	0	86	32	3	2	110	13	0

TABLE-3

RESIDENT BIRTHS BY BIRTH WEIGHT
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	Total	2,500 Grams or Less	2,501 Grams or More	Weight Unknown
STATE TOTAL	117,481	8,009	105,752	3,720
ATLANTIC COUNTY	3,725	269	3,422	34
Atlantic City	917	110	806	1
BERGEN COUNTY	9,934	457	8,649	828
BURLINGTON COUNTY	5,688	384	5,145	159
CAMDEN COUNTY	8,507	595	7,607	305
Camden City	2,351	283	2,052	16
Cherry Hill Twp.	758	33	650	75
Gloucester Twp.	597	29	547	21
CAPE MAY COUNTY	1,388	67	1,304	17
CUMBERLAND COUNTY	2,297	177	2,093	27
Vineland City	889	72	808	9
ESSEX COUNTY	13,800	1,430	12,089	281
Bloomfield	604	33	558	13
East Orange	1,501	193	1,293	15
Irvington	1,188	142	1,033	13
Newark	6,325	813	5,458	54
GLOUCESTER COUNTY	3,430	181	3,132	117
HUDSON COUNTY	9,187	773	7,925	489
Bayonne	768	65	672	31
Hoboken	474	33	381	60
Jersey City	4,303	486	3,628	189
North Bergen Twp.	698	35	625	38
Union City	1,089	67	967	55
HUNTERDON COUNTY	1,468	59	1,377	32
MERCER COUNTY	5,072	395	4,612	65
Hamilton Twp.	1,126	58	1,056	12
Trenton	2,144	249	1,876	19
MIDDLESEX COUNTY	9,824	587	8,950	287
Edison Twp.	1,338	61	1,232	45
New Brunswick	699	85	613	1
Old Bridge Twp.	630	37	560	33
Piscataway Twp.	661	36	610	15
Woodbridge Twp.	1,191	77	1,071	43
MONMOUTH COUNTY	8,069	477	7,339	253
Middletown Twp.	808	35	744	29
MORRIS COUNTY	5,688	281	5,326	81
Parsippany-Troy Hills	588	37	547	4
OCEAN COUNTY	5,943	318	5,488	137
Brick Twp.	928	46	876	6
Dover Twp.	1,052	55	995	2
PASSAIC COUNTY	7,995	625	7,255	115
Clifton	807	41	753	13
Passaic City	1,322	99	1,194	29
Paterson	3,423	342	3,066	15
Wayne Twp.	523	37	472	14
SALEM COUNTY	894	54	705	135
SOMERSET COUNTY	3,505	171	3,278	56
SUSSEX COUNTY	2,169	97	1,962	110
UNION COUNTY	7,295	547	6,618	130
Elizabeth	2,106	184	1,903	19
Plainfield	1,008	122	869	17
Union Twp.	534	26	494	14
WARREN COUNTY	1,479	55	1,364	60
STATE INSTITUTIONS	1	1	0	0
MILITARY POSTS	123	9	112	2

TABLE-4

 RESIDENT BIRTHS BY AGE OF MOTHER
 COUNTIES AND SELECTED PLACES
 NEW JERSEY, 1988

PLACE OF RESIDENCE	Total	Age of Mother							Unkn.
		<16	16	17	18	19	20-34	35+	
STATE TOTAL	117,481	785	1,223	2,107	2,907	3,450	94,807	12,069	133
ATLANTIC COUNTY	3,725	48	53	109	136	148	2,983	239	9
Atlantic City	917	30	27	53	58	58	641	43	7
BERGEN COUNTY	9,934	8	16	39	63	97	8,152	1,532	27
BURLINGTON COUNTY	5,688	24	38	83	135	152	4,718	535	3
CAMDEN COUNTY	8,507	95	140	246	282	314	6,776	650	4
Camden City	2,351	78	110	157	170	166	1,579	91	0
Cherry Hill Twp.	758	1	1	2	4	6	622	121	1
Gloucester Twp.	597	2	3	7	10	18	522	35	0
CAPE MAY COUNTY	1,388	7	12	22	48	57	1,155	87	0
CUMBERLAND COUNTY	2,297	40	63	100	118	136	1,708	130	2
Vineland City	889	10	17	37	42	54	675	53	1
ESSEX COUNTY	13,800	167	250	403	537	612	10,506	1,312	13
Bloomfield	604	0	0	2	3	5	514	80	0
East Orange	1,501	23	38	56	66	73	1,136	107	2
Irvington	1,188	10	17	33	48	54	943	83	0
Newark	6,325	121	174	288	363	429	4,624	324	2
GLOUCESTER COUNTY	3,430	16	25	49	102	112	2,882	242	2
HUDSON COUNTY	9,187	86	144	192	290	332	7,265	859	19
Bayonne	768	2	3	11	13	23	619	95	2
Hoboken	474	7	8	12	11	14	375	45	2
Jersey City	4,303	65	102	134	190	193	3,243	371	5
North Bergen Twp.	698	2	3	4	9	13	605	60	2
Union City	1,089	4	10	18	42	35	881	98	1
HUNTERDON COUNTY	1,468	2	1	6	14	18	1,196	230	1
MERCER COUNTY	5,072	59	74	147	177	187	3,894	528	6
Hamilton Twp.	1,126	4	0	11	16	29	967	99	0
Trenton	2,144	54	68	121	146	139	1,512	101	3
MIDDLESEX COUNTY	9,824	32	51	116	151	209	8,247	1,006	12
Edison Twp.	1,338	0	3	5	4	19	1,140	164	3
New Brunswick	699	17	15	32	39	45	501	49	1
Old Bridge Twp.	630	0	1	4	6	8	545	66	0
Piscataway Twp.	661	1	2	5	10	11	569	63	0
Woodbridge Twp.	1,191	2	1	9	9	23	1,026	120	1
MONMOUTH COUNTY	8,069	29	55	105	143	192	6,563	975	7
Middletown Twp.	808	0	1	5	8	16	657	120	1
MORRIS COUNTY	5,688	4	9	26	44	68	4,703	830	4
Parsippany-Troy Hills	588	0	0	2	4	7	504	71	0
OCEAN COUNTY	5,943	20	37	62	101	151	5,047	522	3
Brick Twp.	928	0	3	5	9	17	801	93	0
Dover Twp.	1,052	6	2	9	17	32	866	120	0
PASSAIC COUNTY	7,995	75	129	197	279	299	6,334	676	6
Clifton	807	2	2	10	7	12	694	80	0
Passaic City	1,322	10	22	34	58	59	1,046	92	1
Paterson	3,423	62	103	147	192	201	2,510	205	3
Wayne Twp.	523	0	0	2	3	3	424	90	1
SALEM COUNTY	894	10	11	33	39	49	702	50	0
SOMERSET COUNTY	3,505	7	10	26	30	53	2,921	457	1
SUSSEX COUNTY	2,169	1	7	7	20	20	1,872	242	0
UNION COUNTY	7,295	48	85	124	168	203	5,825	828	14
Elizabeth	2,106	22	39	60	73	88	1,652	166	6
Plainfield	1,008	17	26	33	38	53	762	76	3
Union Twp.	534	2	1	3	6	6	458	57	1
WARREN COUNTY	1,479	7	13	12	30	39	1,246	132	0
STATE INSTITUTIONS	1	0	0	0	0	0	1	0	0
MILITARY POSTS	123	0	0	3	0	2	111	7	0

TABLE-5

MARRIAGES BY SEX, PREVIOUS MARTIAL STATUS, AVERAGE AGE
 COUNTIES AND SELECTED PLACES OF RESIDENCE
 NEW JERSEY OCCURRENCES, 1988

PLACE OF RESIDENCE	WOMEN					MEN				AVERAGE AGE	
	Total	Single	Widowed	Divorced	Unk	Single	Widowed	Divorced	Unk	Women	Men
STATE TOTAL	61,063	45,546	1,520	13,990	7	44,564	1,563	14,929	7	28	31
ATLANTIC COUNTY	1,931	1,324	54	553	0	1,325	53	553	0	29	31
Atlantic City	402	281	10	111	0	288	14	100	0	30	32
BERGEN COUNTY	6,566	5,125	160	1,280	1	4,954	165	1447	0	28	31
BURLINGTON COUNTY	3,030	2,078	85	867	0	2,107	95	828	0	28	31
CAMDEN COUNTY	3,477	2,553	98	826	0	2,519	111	847	0	28	30
Camden City	587	439	10	138	0	442	25	120	0	28	31
Cherry Hill Twp.	534	404	12	118	0	391	18	125	0	29	31
Gloucester Twp.	250	166	9	75	0	163	6	81	0	28	30
CAPE MAY COUNTY	847	577	33	237	0	561	32	254	0	29	32
CUMBERLAND COUNTY	994	680	31	283	0	669	38	287	0	28	30
Vineland City	401	292	10	99	0	284	9	108	0	27	29
ESSEX COUNTY	7,013	5,581	145	1,287	0	5,321	154	1537	1	28	31
Bloomfield	343	267	2	74	0	269	6	67	1	28	30
East Orange	511	393	10	108	0	367	10	134	0	29	32
Irvington	413	324	8	81	0	306	9	98	0	28	31
Newark	2,291	1,849	53	389	0	1,749	45	497	0	28	30
GLOUCESTER COUNTY	1,648	1,146	48	454	0	1,122	50	476	0	28	30
HUDSON COUNTY	4,425	3,369	94	960	2	3,270	98	1056	1	28	30
Bayonne	471	353	9	109	0	353	18	100	0	28	30
Hoboken	209	165	4	40	0	157	3	49	0	28	31
Jersey City	1,671	1,297	40	333	1	1,249	39	382	1	28	31
North Bergen Twp.	349	246	4	99	0	245	4	100	0	28	30
Union City	507	379	11	117	0	368	8	131	0	27	30
HUNTERDON COUNTY	757	548	18	191	0	525	16	216	0	28	31
MERCER COUNTY	2,598	1,908	59	631	0	1,875	74	648	1	29	31
Hamilton Twp.	759	556	23	180	0	544	21	194	0	28	30
Trenton	728	552	16	160	0	537	16	174	1	28	31
MIDDLESEX COUNTY	5,026	3,831	108	1,087	0	3,800	92	1133	1	28	30
Edison Twp.	501	383	9	109	0	378	8	115	0	27	30
New Brunswick	917	725	16	176	0	699	14	204	0	28	30
Old Bridge Twp.	384	313	7	64	0	307	9	68	0	26	29
Piscataway Twp.	259	186	7	66	0	176	8	75	0	29	31
Woodbridge Twp.	530	412	12	106	0	393	9	128	0	27	30
MONMOUTH COUNTY	4,652	3,429	124	1,098	1	3,352	129	1170	1	28	31
Middletown Twp.	435	316	13	106	0	311	12	112	0	28	31
MORRIS COUNTY	3,539	2,700	83	756	0	2,683	82	774	0	28	30
Parsippany-Troy Hills	326	245	6	75	0	248	9	69	0	28	30
OCEAN COUNTY	2,598	1,753	94	750	1	1,770	89	738	1	29	31
Brick Twp.	334	217	10	107	0	237	13	84	0	29	31
Dover Twp.	577	385	23	169	0	384	18	175	0	28	31
PASSAIC COUNTY	3,900	3,003	92	805	0	2,923	73	904	0	28	30
Clifton	579	439	15	125	0	438	13	128	0	28	30
Passaic City	499	380	9	110	0	375	7	117	0	28	30
Paterson	1,266	984	35	247	0	958	20	288	0	27	30
Wayne Twp.	398	313	10	75	0	292	11	95	0	28	30
SALEM COUNTY	439	287	17	135	0	280	14	145	0	28	30
SOMERSET COUNTY	1,893	1,417	38	438	0	1,361	49	483	0	28	31
SUSSEX COUNTY	942	637	25	280	0	623	20	299	0	28	31
UNION COUNTY	4,082	3,133	94	853	2	3,053	111	917	1	28	31
Elizabeth	964	755	11	198	0	718	12	234	0	28	30
Plainfield	377	297	7	72	1	290	10	77	0	28	31
Union Twp.	378	276	14	88	0	268	11	99	0	29	32
WARREN COUNTY	629	420	19	190	0	421	18	190	0	28	30
STATE INSTITUTIONS	0	0	0	0	0	0	0	0	0	0	0
MILITARY POSTS	77	47	1	29	0	50	0	27	0	26	29

TABLE-6

RESIDENT DEATHS BY SEX AND RACE
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNK.	WHITE	BLACK	OTHER	UNK.
STATE TOTAL	72,688	36,972	35,707	9	63,240	8,904	487	57
ATLANTIC COUNTY	2,502	1,286	1,216	0	2,027	464	9	2
Atlantic City	752	381	371	0	426	322	3	1
BERGEN COUNTY	7,760	3,833	3,927	0	7,371	313	70	6
BURLINGTON COUNTY	2,884	1,495	1,389	0	2,584	284	15	1
CAMDEN COUNTY	4,414	2,271	2,143	0	3,758	638	18	0
Camden City	849	495	354	0	401	437	11	0
Cherry Hill Twp.	614	287	327	0	599	13	2	0
Gloucester Twp.	256	136	120	0	239	15	2	0
CAPE MAY COUNTY	1,235	640	595	0	1,168	64	2	1
CUMBERLAND COUNTY	1,392	697	693	2	1,214	158	20	0
Vineland City	540	270	270	0	504	27	9	0
ESSEX COUNTY	8,561	4,393	4,164	4	5,167	3,326	50	18
Bloomfield	526	237	289	0	516	9	1	0
East Orange	867	436	431	0	222	640	4	1
Irvington	600	319	281	0	391	205	4	0
Newark	3,278	1,844	1,432	2	1,148	2,086	28	16
GLOUCESTER COUNTY	1,809	940	869	0	1,618	183	7	1
HUDSON COUNTY	5,891	3,094	2,796	1	5,085	721	80	5
Bayonne	830	434	396	0	808	20	2	0
Hoboken	338	187	151	0	317	17	4	0
Jersey City	2,502	1,340	1,161	1	1,781	660	57	4
North Bergen Twp.	537	254	283	0	527	8	2	0
Union City	455	230	225	0	441	9	4	1
HUNTERDON COUNTY	642	328	314	0	630	11	1	0
MERCER COUNTY	3,117	1,547	1,569	1	2,543	552	21	1
Hamilton Twp.	793	392	401	0	764	27	2	0
Trenton	1,207	625	582	0	762	436	8	1
MIDDLESEX COUNTY	5,264	2,779	2,485	0	4,951	262	48	3
Edison Twp.	637	326	311	0	613	18	6	0
New Brunswick	328	173	155	0	224	102	2	0
Old Bridge Twp.	346	176	170	0	341	4	1	0
Piscataway Twp.	243	134	109	0	200	38	4	1
Woodbridge Twp.	784	431	353	0	759	18	7	0
MONMOUTH COUNTY	4,990	2,446	2,544	0	4,588	364	37	1
Middletown Twp.	524	259	265	0	511	7	6	0
MORRIS COUNTY	3,057	1,457	1,600	0	2,959	79	17	2
Parsippany-Troy Hills	281	161	120	0	269	7	5	0
OCEAN COUNTY	5,501	2,864	2,637	0	5,401	78	14	8
Brick Twp.	641	347	294	0	640	0	1	0
Dover Twp.	986	512	474	0	977	5	1	3
PASSAIC COUNTY	4,594	2,349	2,244	1	4,029	541	23	1
Clifton	941	473	468	0	938	2	1	0
Passaic City	543	275	268	0	435	104	4	0
Paterson	1,422	778	644	0	984	425	13	0
Wayne Twp.	467	203	263	1	461	4	2	0
SALEM COUNTY	684	366	318	0	575	108	1	0
SOMERSET COUNTY	1,596	761	835	0	1,519	64	11	2
SUSSEX COUNTY	845	441	404	0	839	3	3	0
UNION COUNTY	5,097	2,551	2,546	0	4,379	675	39	4
Elizabeth	1,116	592	524	0	926	174	14	2
Plainfield	452	230	222	0	227	221	2	2
Union Twp.	608	294	314	0	566	42	0	0
WARREN COUNTY	824	410	414	0	813	9	1	1
STATE INSTITUTIONS	4	4	0	0	4	0	0	0
MILITARY POSTS	25	20	5	0	18	7	0	0

TABLE-7

RESIDENT INFANT, FETAL, NEONATAL AND PERINATAL DEATHS
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	INFANT DEATHS		FETAL DEATHS		NEONATAL DEATHS		PERINATAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	1,151	9.8	1,192	10.1	784	6.7	1,976	16.7
ATLANTIC COUNTY	32	8.6	87	23.4	23	6.2	110	28.9
Atlantic City	14	15.3	27	29.4	8	8.7	35	37.1
BERGEN COUNTY	61	6.1	53	5.3	50	5.0	103	10.3
BURLINGTON COUNTY	53	9.3	80	14.1	40	7.0	120	20.8
CAMDEN COUNTY	99	11.6	116	13.6	72	8.5	188	21.8
Camden City	53	22.5	40	17.0	36	15.3	76	31.8
Cherry Hill Twp.	8	10.6	7	9.2	7	9.2	14	18.3
Gloucester Twp.	8	13.4	10	16.8	6	10.1	16	26.4
CAPE MAY COUNTY	11	7.9	22	15.9	6	4.3	28	19.9
CUMBERLAND COUNTY	32	13.9	49	21.3	26	11.3	75	32.0
Vineland City	13	14.6	16	18.0	11	12.4	27	29.8
ESSEX COUNTY	214	15.5	146	10.6	138	10.0	284	20.4
Bloomfield	4	6.6	4	6.6	2	3.3	6	9.9
East Orange	28	18.7	12	8.0	18	12.0	30	19.8
Irvington	16	13.5	9	7.6	12	10.1	21	17.5
Newark	125	19.8	83	13.1	77	12.2	160	25.0
GLOUCESTER COUNTY	37	10.8	46	13.4	29	8.5	75	21.6
HUDSON COUNTY	100	10.9	79	8.6	67	7.3	146	15.8
Bayonne	8	10.4	6	7.8	8	10.4	14	18.1
Hoboken	3	6.3	2	4.2	1	2.1	3	6.3
Jersey City	59	13.7	41	9.5	38	8.8	79	18.2
North Bergen Twp.	4	5.7	7	10.0	3	4.3	10	14.2
Union City	13	11.9	6	5.5	10	9.2	16	14.6
HUNTERDON COUNTY	9	6.1	10	6.8	6	4.1	16	10.8
MERCER COUNTY	61	12.0	53	10.4	44	8.7	97	18.9
Hamilton Twp.	7	6.2	12	10.7	4	3.6	16	14.1
Trenton	38	17.7	27	12.6	30	14.0	57	26.3
MIDDLESEX COUNTY	85	8.7	71	7.2	55	5.6	126	12.7
Edison Twp.	9	6.7	9	6.7	5	3.7	14	10.4
New Brunswick	15	21.5	13	18.6	10	14.3	23	32.3
Old Bridge Twp.	6	9.5	9	14.3	3	4.8	12	18.8
Piscataway Twp.	4	6.1	1	1.5	4	6.1	5	7.6
Woodbridge Twp.	5	4.2	4	3.4	5	4.2	9	7.5
MONMOUTH COUNTY	65	8.1	85	10.5	41	5.1	126	15.5
Middletown Twp.	5	6.2	8	9.9	5	6.2	13	15.9
MORRIS COUNTY	38	6.7	34	6.0	28	4.9	62	10.8
Parsippany-Troy Hills	3	5.1	4	6.8	3	5.1	7	11.8
OCEAN COUNTY	51	8.6	51	8.6	39	6.6	90	15.0
Brick Twp.	9	9.7	4	4.3	6	6.5	10	10.7
Dover Twp.	6	5.7	8	7.6	4	3.8	12	11.3
PASSAIC COUNTY	79	9.9	78	9.8	43	5.4	121	15.0
Clifton	6	7.4	9	11.2	3	3.7	12	14.7
Passaic City	16	12.1	15	11.3	8	6.1	23	17.2
Paterson	44	12.9	38	11.1	25	7.3	63	18.2
Wayne Twp.	4	7.6	2	3.8	3	5.7	5	9.5
SALEM COUNTY	6	6.7	17	19.0	4	4.5	21	23.1
SOMERSET COUNTY	25	7.1	31	8.8	16	4.6	47	13.3
SUSSEX COUNTY	9	4.1	8	3.7	5	2.3	13	6.0
UNION COUNTY	75	10.3	63	8.6	44	6.0	107	14.5
Elizabeth	29	13.8	22	10.4	14	6.6	36	16.9
Plainfield	17	16.9	13	12.9	13	12.9	26	25.5
Union Twp.	2	3.7	5	9.4	1	1.9	6	11.1
WARREN COUNTY	6	4.1	10	6.8	5	3.4	15	10.1
STATE INSTITUTIONS	0		0		0		0	
MILITARY POSTS	3		3		3		6	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-8

RESIDENT DEATHS FROM SUICIDE AND HOMICIDE
 RATES PER 100,000 POPULATION
 COUNTIES AND SELECTED PLACES
 NEW JERSEY, 1988

PLACE OF RESIDENCE	SUICIDE		HOMICIDE	
	Number	Rate	Number	Rate
STATE TOTAL	613	7.9	479	6.2
ATLANTIC COUNTY	18	8.5	8	3.8
Atlantic City	5	14.3	4	11.4
BERGEN COUNTY	69	8.3	19	2.3
BURLINGTON COUNTY	34	8.6	10	2.5
CAMDEN COUNTY	35	7.0	34	6.8
Camden City	3	3.7	23	28.1
Cherry Hill Twp.	8	10.7	1	1.3
Gloucester Twp.	4	7.6	2	3.8
CAPE MAY COUNTY	11	11.5	7	7.3
CUMBERLAND COUNTY	13	9.4	8	5.8
Vineland City	4	7.3	2	3.7
ESSEX COUNTY	57	6.8	167	19.9
Bloomfield	4	8.5	1	2.1
East Orange	5	6.5	18	23.3
Irvington	5	8.1	14	22.8
Newark	25	8.0	122	38.9
GLOUCESTER COUNTY	17	7.8	13	5.9
HUDSON COUNTY	43	7.9	51	9.4
Bayonne	6	9.9	7	11.5
Hoboken	4	9.6	1	2.4
Jersey City	12	5.5	25	11.5
North Bergen Twp.	3	6.6	1	2.2
Union City	4	7.5	8	15.0
HUNTERDON COUNTY	13	12.9	0	0.0
MERCER COUNTY	25	7.5	25	7.5
Hamilton Twp.	7	8.0	1	1.1
Trenton	12	13.2	23	25.3
MIDDLESEX COUNTY	54	8.3	14	2.1
Edison Twp.	6	7.0	1	1.2
New Brunswick	1	2.5	3	7.6
Old Bridge Twp.	3	5.3	1	1.8
Piscataway Twp.	1	2.3	1	2.3
Woodbridge Twp.	11	11.8	5	5.4
MONMOUTH COUNTY	34	6.1	18	3.2
Middletown Twp.	4	5.8	0	0.0
MORRIS COUNTY	37	8.8	14	3.3
Parsippany-Troy Hills	5	10.4	1	2.1
OCEAN COUNTY	36	8.7	10	2.4
Brick Twp.	3	4.8	1	1.6
Dover Twp.	6	8.1	4	5.4
PASSAIC COUNTY	30	6.5	34	7.3
Clifton	6	7.9	4	5.3
Passaic City	1	1.9	8	15.0
Paterson	2	1.4	19	13.7
Wayne Twp.	6	11.7	1	2.0
SALEM COUNTY	7	10.6	5	7.5
SOMERSET COUNTY	18	7.9	7	3.1
SUSSEX COUNTY	12	9.5	6	4.7
UNION COUNTY	39	7.8	26	5.2
Elizabeth	11	10.5	15	14.3
Plainfield	5	11.1	3	6.7
Union Twp.	1	1.9	0	0.0
WARREN COUNTY	11	12.4	3	3.4
STATE INSTITUTIONS	0		0	
MILITARY POSTS	0		0	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-9

RESIDENT DEATHS FROM HEART DISEASES, CANCER,
ALL ACCIDENTS AND DIABETES
RATES PER 100,000 POPULATION
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	HEART DISEASE		CANCER		ALL ACCIDENTS		DIABETES	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	27,339	354.1	17,073	221.1	2,308	29.9	1,507	19.5
ATLANTIC COUNTY	958	450.0	581	272.9	106	49.8	64	30.1
Atlantic City	290	828.2	138	394.1	33	94.2	23	65.7
BERGEN COUNTY	3,065	370.6	2,025	244.8	217	26.2	150	18.1
BURLINGTON COUNTY	1,093	275.3	723	182.1	119	30.0	39	9.8
CAMDEN COUNTY	1,604	320.4	1,060	211.8	178	35.6	66	13.2
Camden City	271	330.9	156	190.5	61	74.5	20	24.4
Cherry Hill Twp.	246	329.4	150	200.9	14	18.7	3	4.0
Gloucester Twp.	87	165.2	74	140.6	7	13.3	5	9.5
CAPE MAY COUNTY	513	535.0	296	308.7	37	38.6	9	9.4
CUMBERLAND COUNTY	546	394.4	287	207.3	67	48.4	28	20.2
Vineland City	225	411.0	105	191.8	23	42.0	13	23.7
ESSEX COUNTY	2,836	338.2	1,760	209.9	284	33.9	196	23.4
Bloomfield	194	410.0	141	298.0	10	21.1	13	27.5
East Orange	269	348.4	162	209.8	31	40.2	24	31.1
Irvington	204	331.7	119	193.5	12	19.5	9	14.6
Newark	941	300.0	572	182.4	154	49.1	80	25.5
GLOUCESTER COUNTY	622	284.3	436	199.3	84	38.4	45	20.6
HUDSON COUNTY	2,207	408.0	1,243	229.8	148	27.4	143	26.4
Bayonne	302	497.0	191	314.3	14	23.0	22	36.2
Hoboken	141	337.1	58	138.7	9	21.5	6	14.3
Jersey City	867	398.8	491	225.9	78	35.9	60	27.6
North Bergen Twp.	258	563.7	94	205.4	11	24.0	9	19.7
Union City	167	312.3	101	188.9	11	20.6	13	24.3
HUNTERDON COUNTY	219	217.9	146	145.3	28	27.9	10	9.9
MERCER COUNTY	1,145	345.2	704	212.2	119	35.9	71	21.4
Hamilton Twp.	296	337.4	198	225.7	28	31.9	23	26.2
Trenton	413	453.9	246	270.4	52	57.1	26	28.6
MIDDLESEX COUNTY	1,875	287.0	1,358	207.9	157	24.0	103	15.8
Edison Twp.	231	270.2	164	191.8	20	23.4	8	9.4
New Brunswick	101	256.0	64	162.2	13	32.9	9	22.8
Old Bridge Twp.	116	203.8	75	131.8	17	29.9	7	12.3
Piscataway Twp.	94	213.0	58	131.4	6	13.6	4	9.1
Woodbridge Twp.	291	312.1	197	211.3	23	24.7	14	15.0
MONMOUTH COUNTY	1,846	329.8	1,209	216.0	112	20.0	121	21.6
Middletown Twp.	194	279.0	139	199.9	6	8.6	14	20.1
MORRIS COUNTY	1,211	287.9	746	177.4	115	27.3	44	10.5
Parsippany-Troy Hills	109	225.7	72	149.1	13	26.9	2	4.1
OCEAN COUNTY	2,262	547.7	1,291	312.6	136	32.9	115	27.8
Brick Twp.	218	347.0	179	284.9	20	31.8	17	27.1
Dover Twp.	427	575.5	216	291.1	23	31.0	23	31.0
PASSAIC COUNTY	1,846	398.4	1,011	218.2	120	25.9	121	26.1
Clifton	446	585.4	207	271.7	18	23.6	30	39.4
Passaic City	204	383.0	114	214.1	23	43.2	14	26.3
Paterson	494	355.9	273	196.7	33	23.8	40	28.8
Wayne Twp.	195	380.4	119	232.2	12	23.4	6	11.7
SALEM COUNTY	285	430.2	164	247.5	26	39.2	14	21.1
SOMERSET COUNTY	597	262.6	418	183.9	57	25.1	28	12.3
SUSSEX COUNTY	295	233.0	212	167.4	24	19.0	19	15.0
UNION COUNTY	1,974	395.0	1,208	241.7	143	28.6	111	22.2
Elisabeth	402	382.5	237	225.5	41	39.0	32	30.4
Plainfield	145	322.4	94	209.0	19	42.2	9	20.0
Union Twp.	264	514.2	139	270.7	8	15.6	11	21.4
WARREN COUNTY	338	379.9	191	214.7	25	28.1	10	11.2
STATE INSTITUTIONS	0		1		0		0	
MILITARY POSTS	2		3		6		0	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-10

RESIDENT DEATHS FROM CEREBROVASCULAR DISEASES BY SEX AND AGE
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	TOTAL	RATE	SEX		AGE GROUP								UNK.
			MALE	FEMALE	<1	1-4	5-14	15-24	25-44	45-64	65+		
STATE TOTAL	4,261	55.2	1,724	2,537	0	4	3	9	143	521	3,579	2	
ATLANTIC COUNTY	161	75.6	63	98	0	0	0	0	5	21	134	1	
Atlantic City	48	137.1	15	33	0	0	0	0	4	8	36	0	
BERGEN COUNTY	487	58.9	187	300	0	0	0	0	8	45	434	0	
BURLINGTON COUNTY	171	43.1	63	108	0	1	0	0	4	20	146	0	
CAMDEN COUNTY	259	51.7	107	152	0	1	0	0	6	33	219	0	
Camden City	56	68.4	30	26	0	0	0	0	3	12	41	0	
Cherry Hill Twp.	38	50.9	23	15	0	0	0	0	0	11	27	0	
Gloucester Twp.	12	22.8	2	10	0	0	0	0	0	2	10	0	
CAPE MAY COUNTY	74	77.2	23	51	0	0	0	0	1	9	64	0	
CUMBERLAND COUNTY	88	63.6	40	48	0	0	0	0	1	16	71	0	
Vineland City	33	60.3	20	13	0	0	0	0	0	6	27	0	
ESSEX COUNTY	512	61.1	208	304	0	1	1	1	33	75	400	1	
Bloomfield	28	59.2	8	20	0	0	0	0	0	5	23	0	
East Orange	54	69.9	17	37	0	0	0	1	4	8	41	0	
Irvington	40	65.0	14	26	0	1	0	0	8	5	26	0	
Newark	179	57.1	87	92	0	0	1	0	16	36	125	1	
GLOUCESTER COUNTY	91	41.6	31	60	0	0	0	0	0	8	83	0	
HUDSON COUNTY	307	56.7	138	169	0	0	1	2	18	47	239	0	
Bayonne	44	72.4	18	26	0	0	0	1	2	4	39	0	
Hoboken	18	43.0	5	13	0	0	0	0	1	1	16	0	
Jersey City	129	59.3	66	63	0	0	0	1	11	29	88	0	
North Bergen Twp.	29	63.4	9	20	0	0	1	0	1	1	26	0	
Union City	17	31.8	9	8	0	0	0	0	0	5	12	0	
HUNTERDON COUNTY	55	54.7	19	36	0	0	0	0	0	2	53	0	
MERCER COUNTY	180	54.3	77	103	0	0	0	1	5	30	144	0	
Hamilton Twp.	36	41.0	17	19	0	0	0	0	1	4	31	0	
Trenton	69	75.8	33	36	0	0	0	0	3	15	51	0	
MIDDLESEX COUNTY	270	41.3	125	145	0	0	0	1	11	41	217	0	
Edison Twp.	34	39.8	21	13	0	0	0	0	2	6	26	0	
New Brunswick	20	50.7	8	12	0	0	0	0	2	7	11	0	
Old Bridge Twp.	23	40.4	10	13	0	0	0	0	1	3	19	0	
Piscataway Twp.	13	29.5	10	3	0	0	0	0	0	1	12	0	
Woodbridge Twp.	45	48.3	19	26	0	0	0	1	2	5	37	0	
MONMOUTH COUNTY	308	55.0	110	198	0	0	0	0	11	36	261	0	
Middletown Twp.	21	30.2	5	16	0	0	0	0	1	1	19	0	
MORRIS COUNTY	190	45.2	72	118	0	0	0	0	5	26	159	0	
Parsippany-Troy Hills	20	41.4	11	9	0	0	0	0	0	0	20	0	
OCEAN COUNTY	328	79.4	137	191	0	0	0	1	7	30	290	0	
Brick Twp.	40	63.7	21	19	0	0	0	0	2	4	34	0	
Dover Twp.	53	71.4	16	37	0	0	0	0	1	7	45	0	
PASSAIC COUNTY	271	58.5	117	154	0	0	1	2	9	26	233	0	
Clifton	42	55.1	17	25	0	0	0	0	0	0	42	0	
Passaic City	33	62.0	13	20	0	0	0	0	3	7	23	0	
Paterson	84	60.5	38	46	0	0	1	1	4	10	68	0	
Wayne Twp.	31	60.5	11	20	0	0	0	1	1	2	27	0	
SALEM COUNTY	37	55.8	14	23	0	0	0	0	1	2	34	0	
SOMERSET COUNTY	83	36.5	35	48	0	0	0	0	2	9	72	0	
SUSSEX COUNTY	53	41.9	20	33	0	0	0	0	2	6	45	0	
UNION COUNTY	284	56.8	113	171	0	1	0	1	13	35	234	0	
Elizabeth	48	45.7	16	32	0	0	0	0	3	5	40	0	
Plainfield	36	80.0	12	24	0	0	0	0	5	12	19	0	
Union Twp.	32	62.3	15	17	0	0	0	0	1	2	29	0	
WARREN COUNTY	52	58.4	25	27	0	0	0	0	1	4	47	0	
STATE INSTITUTIONS	0		0	0	0	0	0	0	0	0	0	0	
MILITARY POSTS	0		0	0	0	0	0	0	0	0	0	0	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-11

·PRINCIPAL CAUSES OF RESIDENT DEATHS BY AGE
NEW JERSEY, 1988

RANK ORDER	CAUSE AND CODE NUMBERS (ICD-9)	NUMBER OF DEATHS	RATE PER 100,000 EST. POP.
TOTAL DEATHS-ALL AGES		72,688	941.4
1.	Diseases of heart (390-398,402,404-429)	27,339	354.1
2.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	17,073	221.1
3.	Cerebrovascular diseases (430-438)	4,261	55.2
4.	Pneumonia and influenza (480-487)	2,469	32.0
5.	Accidents (E800-E949)	2,308	29.9
6.	Diabetes mellitus (250)	1,507	19.5
7.	Septicemia (038)	1,216	15.7
8.	Human immunodeficiency virus infection (042-044)	1,212	15.7
9.	Chronic liver diseases and cirrhosis (571)	1,015	13.1
10.	Nephritis, nephrotic syndrome and nephrosis (580-589)	892	11.6
11.	Other diseases of arteries, arterioles and capillaries (441-448)	732	9.5
12.	Bronchitis, emphysema and asthma (490-493)	684	8.9
13.	Early infant mortality (760-799)	616	8.0
	All other causes	11,364	147.2
TOTAL DEATHS 1-4 YEARS		210	51.0
1.	Accidents (E800-E949)	63	15.3
2.	Congenital anomalies (740-759)	33	8.0
3.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	21	5.1
4.	Homicide and legal intervention (E960-E978)	13	3.2
5.	Human immunodeficiency virus infection (042-044)	13	3.2
	All other causes	67	16.3
TOTAL DEATHS 5-14 YEARS		237	24.1
1.	Accidents (E800-E949)	92	9.4
2.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	37	3.8
3.	Homicide and legal intervention (E960-E978)	12	1.2
4.	Congenital anomalies (740-759)	11	1.1
5.	Diseases of heart (390-398,402,404-429)	9	0.9
	All other causes	76	7.7
TOTAL DEATHS 15-24 YEARS		957	82.5
1.	Accidents (E800-E949)	408	35.2
2.	Homicide and legal intervention (E960-E978)	124	10.7
3.	Suicide (E950-E959)	108	9.3
4.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	55	4.7
5.	Diseases of heart (390-398,402,404-429)	35	3.0
	All other causes	227	19.6

TABLE-11 (Continued)

PRINCIPAL CAUSES OF RESIDENT DEATHS BY AGE
NEW JERSEY, 1988

RANK ORDER	CAUSE AND CODE NUMBERS (ICD-9)	NUMBER OF DEATHS	RATE PER 100,000 EST. POP.
TOTAL DEATHS 25-44 YEARS		4,832	197.9
1.	Human immunodeficiency virus infection (042-044)	919	37.6
2.	Accidents (E800-E949)	764	31.3
3.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	647	26.5
4.	Diseases of heart (390-398,402,404-429)	527	21.6
5.	Suicide (E950-E959)	234	9.6
6.	Homicide and legal intervention (E960-E978)	219	9.0
7.	Chronic liver disease and cirrhosis (571)	205	8.4
	All other causes	1,317	53.9
TOTAL DEATHS 45-64 YEARS		13,257	829.7
1.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	4,906	307.1
2.	Diseases of heart (390-398,402,404-429)	4,063	254.3
3.	Cerebrovascular diseases (430-438)	521	32.6
4.	Chronic liver disease and cirrhosis (571)	417	26.1
5.	Accidents (E800-E949)	360	22.5
6.	Diabetes mellitus (250)	326	20.4
7.	Pneumonia and influenza (480-487)	218	13.6
8.	Human immunodeficiency virus infection (042-044)	204	12.8
9.	Septicemia (038)	157	9.8
10.	Suicide (E950-E959)	138	8.6
	All other causes	1,947	121.9
TOTAL DEATHS 65 YEARS AND OVER		51,082	5,062.8
1.	Diseases of heart (390-398,402,404-429)	22,669	2,246.8
2.	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	11,401	1,130.0
3.	Cerebrovascular diseases (430-438)	3,579	354.7
4.	Pneumonia and influenza (480-487)	2,097	207.8
5.	Diabetes mellitus (250)	1,108	109.8
6.	Septicemia (038)	969	96.0
7.	Nephritis, nephrotic syndrome and nephrosis (580-589)	711	70.5
8.	Accidents (E800-E949)	604	59.9
9.	Other diseases of arteries, arterioles and capillaries (441-448)	602	59.7
10.	Atherosclerosis (440)	557	55.2
	All other causes	6,785	672.5

Note: Rates may not add to total death rate due to rounding.

TABLE-12

TUBERCULOSIS MORBIDITY AND MORTALITY
RATES PER 100,000 POPULATION
COUNTIES AND SELECTED PLACES
NEW JERSEY, 1988

PLACE OF RESIDENCE	VERIFIED CASES		ALL CASES		DEATHS	
	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	793	10.3	1,045	13.5	77	1.0
ATLANTIC COUNTY	20	9.4	25	11.7	3	1.4
Atlantic City	12	34.3	17	48.6	2	5.7
BERGEN COUNTY	42	5.1	66	8.0	4	0.5
BURLINGTON COUNTY	19	4.8	20	5.0	2	0.5
CAMDEN COUNTY	37	7.4	45	9.0	3	0.6
Camden City	18	22.0	22	26.9	1	1.2
Cherry Hill Twp.	2	2.7	5	6.7	0	0.0
Gloucester Twp.	1	1.9	1	1.9	1	1.9
CAPE MAY COUNTY	9	9.4	10	10.4	1	1.0
CUMBERLAND COUNTY	7	5.1	8	5.8	1	0.7
Vineland City	4	7.3	5	9.1	1	1.8
ESSEX COUNTY	220	26.2	257	30.7	20	2.4
Bloomfield	3	6.3	4	8.5	0	0.0
East Orange	20	25.9	24	31.1	1	1.3
Irvington	13	21.1	27	43.9	1	1.6
Newark	154	49.1	167	53.2	12	3.8
GLOUCESTER COUNTY	5	2.3	6	2.7	1	0.5
HUDSON COUNTY	99	18.3	156	28.8	12	2.2
Bayonne	3	4.9	4	6.6	0	0.0
Hoboken	1	2.4	2	4.8	0	0.0
Jersey City	67	30.8	109	50.1	10	4.6
North Bergen Twp.	4	8.7	8	17.5	1	2.2
Union City	10	18.7	13	24.3	0	0.0
HUNTERDON COUNTY	1	1.0	1	1.0	0	0.0
MERCER COUNTY	24	7.2	26	7.8	6	1.8
Hamilton Twp.	0	0.0	1	1.1	0	0.0
Trenton	20	22.0	21	23.1	6	6.6
MIDDLESEX COUNTY	68	10.4	101	15.5	4	0.6
Edison Twp.	10	11.7	15	17.5	3	3.5
New Brunswick	13	32.9	18	45.6	0	0.0
Old Bridge Twp.	2	3.5	2	3.5	0	0.0
Piscataway Twp.	7	15.9	13	29.5	0	0.0
Woodbridge Twp.	8	8.6	12	12.9	0	0.0
MONMOUTH COUNTY	20	3.6	38	6.8	1	0.2
Middletown Twp.	3	4.3	3	4.3	0	0.0
MORRIS COUNTY	11	2.6	14	3.3	1	0.2
Parsippany-Troy Hills	5	10.4	6	12.4	1	2.1
OCEAN COUNTY	12	2.9	14	3.4	4	1.0
Brick Twp.	0	0.0	0	0.0	1	1.6
Dover Twp.	4	5.4	5	6.7	0	0.0
PASSAIC COUNTY	108	23.3	145	31.3	7	1.5
Clifton	4	5.3	5	6.6	0	0.0
Passaic City	15	28.2	24	45.1	1	1.9
Paterson	81	58.4	105	75.7	6	4.3
Wayne Twp.	3	5.9	3	5.9	0	0.0
SALEM COUNTY	1	1.5	1	1.5	0	0.0
SOMERSET COUNTY	5	2.2	7	3.1	0	0.0
SUSSEX COUNTY	8	6.3	10	7.9	1	0.8
UNION COUNTY	62	12.4	74	14.8	6	1.2
Elizabeth	29	27.6	34	32.3	2	1.9
Plainfield	4	8.9	6	13.3	1	2.2
Union Twp.	5	9.7	7	13.6	1	1.9
WARREN COUNTY	2	2.2	2	2.2	0	0.0
STATE INSTITUTIONS	12		18		0	
MILITARY POSTS	1		1		0	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-13

RESIDENT CASES OF SYPHILIS, BY STAGE, AND GONORRHEA
 NUMBERS AND RATES PER 100,000 ESTIMATED POPULATION, COUNTIES AND SELECTED PLACES
 NEW JERSEY, 1988

----- SYPHILIS -----

PLACE OF RESIDENCE	TOTAL CASES *		PRIMARY AND SECONDARY		EARLY LATENT		LATE AND LATE LATENT		GONORRHEA	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	2,878	37.3	1,100	14.2	632	8.2	1,140	14.8	16,423	212.7
ATLANTIC COUNTY	110	51.7	19	8.9	23	10.8	66	31.0	559	262.6
Atlantic City	78	222.8	13	37.1	16	45.7	47	134.2	345	985.3
BERGEN COUNTY	103	12.5	42	5.1	18	2.2	42	5.1	304	36.8
BURLINGTON COUNTY	41	10.3	12	3.0	12	3.0	17	4.3	349	87.9
CAMDEN COUNTY	251	50.1	58	11.6	49	9.8	144	28.8	1,384	276.5
Camden City	196	239.3	44	53.7	34	41.5	118	144.1	1,160	1416.4
Cherry Hill Twp.	3	4.0	2	2.7	0	0.0	1	1.3	19	25.4
Gloucester Twp.	5	9.5	0	0.0	0	0.0	5	9.5	17	32.3
CAPE MAY COUNTY	3	3.1	0	0.0	0	0.0	3	3.1	47	49.0
CUMBERLAND COUNTY	66	47.7	21	15.2	21	15.2	23	16.6	595	429.8
Vineland City	24	43.8	8	14.6	9	16.4	7	12.8	195	356.2
ESSEX COUNTY	745	88.9	399	47.5	174	20.8	172	20.5	4,726	563.7
Bloomfield	6	12.7	4	8.5	0	0.0	2	4.2	12	25.4
East Orange	118	152.8	61	79.0	28	36.3	29	37.6	759	983.1
Irvington	60	97.6	29	47.2	18	29.3	13	21.1	432	702.4
Newark	521	166.1	289	92.1	119	37.9	113	36.0	3,180	1013.9
GLOUCESTER COUNTY	30	13.7	3	1.4	7	3.2	20	9.1	250	114.3
HUDSON COUNTY	350	64.7	97	17.9	71	13.1	182	33.6	1,250	231.1
Bayonne	10	16.5	3	4.9	2	3.3	5	8.2	36	59.2
Hoboken	8	19.1	2	4.8	0	0.0	6	14.3	22	52.6
Jersey City	229	105.3	79	36.3	55	25.3	95	43.7	1,074	494.1
North Bergen Twp.	21	45.9	2	4.4	4	8.7	15	32.8	17	37.1
Union City	48	89.8	5	9.4	9	16.8	34	63.6	71	132.8
MERDON COUNTY	4	4.0	1	1.0	0	0.0	3	3.0	8	8.0
MERCER COUNTY	221	66.6	118	35.6	54	16.3	49	14.8	2,632	793.5
Hamilton Twp.	2	2.3	0	0.0	2	2.3	0	0.0	24	27.4
Trenton	210	230.8	116	127.5	51	56.1	43	47.3	2,529	2779.4
MIDDLESEX COUNTY	108	16.5	28	4.3	20	3.1	60	9.2	558	85.4
Edison Twp.	9	10.5	3	3.5	0	0.0	6	7.0	34	39.8
New Brunswick	29	73.5	11	27.9	2	5.1	16	40.5	304	770.4
Old Bridge Twp.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Piscataway Twp.	10	22.7	1	2.3	1	2.3	8	18.1	55	124.6
Woodbridge Twp.	5	5.4	0	0.0	3	3.2	2	2.1	20	21.5
MONMOUTH COUNTY	185	33.1	63	11.3	38	6.8	83	14.8	442	79.0
Middletown Twp.	1	1.4	1	1.4	0	0.0	0	0.0	5	7.2
MORRIS COUNTY	21	5.0	7	1.7	2	0.5	12	2.9	118	28.1
Parsippany-Troy Hills	1	2.1	0	0.0	0	0.0	1	2.1	11	22.8
OCEAN COUNTY	25	6.1	4	1.0	3	0.7	18	4.4	147	35.6
Brick Twp.	2	3.2	0	0.0	0	0.0	2	3.2	2	3.2
Dover Twp.	3	4.0	1	1.3	0	0.0	2	2.7	18	24.3
PASSAIC COUNTY	329	71.0	132	28.5	84	18.1	112	24.2	1,374	296.5
Clifton	2	2.6	2	2.6	0	0.0	0	0.0	24	31.5
Passaic City	43	80.7	13	24.4	12	22.5	17	31.9	144	270.4
Paterson	269	193.8	113	81.4	68	49.0	88	63.4	1,175	846.6
Wayne Twp.	2	3.9	0	0.0	1	2.0	1	2.0	12	23.4
SALEM COUNTY	29	43.8	17	25.7	5	7.5	7	10.6	211	318.5
SOMERSET COUNTY	10	4.4	4	1.8	0	0.0	6	2.6	154	67.7
SUSSEX COUNTY	2	1.6	0	0.0	0	0.0	2	1.6	16	12.6
UNION COUNTY	200	40.0	67	13.4	43	8.6	90	18.0	1,190	238.1
Elizabeth	92	87.5	24	22.8	19	18.1	49	46.6	215	204.6
Plainfield	34	75.6	12	26.7	14	31.1	8	17.8	694	1542.9
Union Twp.	10	19.5	2	3.9	4	7.8	4	7.8	49	95.4
WARREN COUNTY	0	0.0	0	0.0	0	0.0	0	0.0	18	20.2
STATE INSTITUTIONS	30		1		3		26		8	
MILITARY POSTS	15		7		5		3		83	

* Total cases include 6 congenital syphilis cases.
 Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-14

SYPHILIS. BY STAGE, AND GONORRHEA (EXCLUDING MILITARY) BY AGE AND SEX
 AGE- AND SEX- SPECIFIC RATES PER 100,000 POPULATION
 NEW JERSEY, 1988

SYPHILIS CASES

Sex and Age	TOTAL		PRIMARY AND SECONDARY		EARLY LATENT		LATE AND LATE LATENT		CONGENITAL		GONORRHEA	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	2,863	37.1	1,093	14.2	627	8.1	1,137	14.7	6	0.1	16,333	211.5
UNDER 5	7	1.3	1	0.2	0	0.0	1	0.2	5	0.9	20	3.8
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15	3.1
10-14	14	2.8	5	1.0	7	1.4	2	0.4	0	0.0	176	35.2
15-19	292	53.0	152	27.6	97	17.6	43	7.8	0	0.0	3,989	723.7
20-24	671	110.2	295	48.5	183	30.1	193	31.7	0	0.0	4,511	741.0
25-29	613	94.4	247	38.0	146	22.5	220	33.9	0	0.0	3,014	464.2
30-34	482	74.2	182	28.0	90	13.9	210	32.3	0	0.0	1,708	263.0
35-39	242	40.1	84	13.9	44	7.3	114	18.9	0	0.0	763	126.6
40-44	144	26.7	42	7.8	29	5.4	73	13.5	0	0.0	371	68.7
45-59	238	19.6	71	5.8	28	2.3	139	11.4	0	0.0	438	36.0
60 and over	134	9.3	14	1.0	2	0.1	117	8.1	1	0.1	91	6.3
Unstated	26		0		1		25		0		1,237	
Male	1,598	43.1	610	16.5	311	8.4	675	18.2	2	0.1	10,975	296.3
Female	1,265	31.5	483	12.0	316	7.9	462	11.5	4	0.1	5,358	133.5

Military cases are not included because of the lack of sex and age information.

VACCINE-PREVENTABLE AND OTHER COMMUNICABLE DISEASES BY COUNTY OF RESIDENCE NEW JERSEY, 1988

DISEASES	STATE TOTAL	ATLANTIC COUNTY	BERGEN COUNTY	BURLINGTON COUNTY	CAMDEN COUNTY	CAPE MAY COUNTY	CUMBERLAND COUNTY	ESSEX COUNTY	GLOUCESTER COUNTY	HUDSON COUNTY	HUNTERDON COUNTY	MERCER COUNTY	MIDDLESEX COUNTY	MONMOUTH COUNTY	MORRIS COUNTY	OCEAN COUNTY	PASSAIC COUNTY	SALEM COUNTY	SOMERSET COUNTY	SUSSEX COUNTY	UNION COUNTY	WARREN COUNTY	STATE INSTITUTIONS	MILITARY POSTS	UNKNOWN
Anthrax	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cholera	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis, Primary Infectious	30	1	3	1	3	0	1	4	3	2	0	0	4	3	0	2	1	0	1	1	0	0	0	0	0
Encephalitis, Post-Infectious	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Guillain-Barre Syndrome	25	0	2	1	2	0	0	1	2	1	1	1	2	1	3	3	2	1	1	0	0	1	0	0	0
Kawasaki Disease (MLNS)	17	0	1	0	1	0	0	2	2	0	0	2	2	2	2	0	1	0	0	0	1	1	0	0	0
Leprosy (Hansen's)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Malaria	59	0	11	0	5	0	0	16	3	0	0	0	14	0	4	1	3	0	2	0	0	0	0	0	0
Measles (Rubecola)	405	2	12	158	32	0	7	0	7	0	0	4	1	4	0	177	1	0	0	0	0	0	0	0	0
Mumps	57	1	4	3	8	1	6	4	2	4	3	1	7	2	3	1	2	0	2	0	3	0	0	0	0
Pertussis	32	6	3	5	5	0	0	0	0	0	0	0	4	0	2	2	0	1	0	4	0	0	0	0	0
Psittacosis	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Rubella (German Measles)	4	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tularemia	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Typhoid fever	16	0	2	0	1	0	0	3	0	4	0	0	0	0	0	0	1	0	2	0	3	0	0	0	0

NOTE: There were no cases of Brucellosis, Diphtheria, Rheumatic Fever, Tetanus, Trichinosis or Encephalitis (Post-Mumps).

TABLE-16

NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE
NEW JERSEY, 1988

DISEASES	STATE TOTAL	ATLANTIC COUNTY	BERGEN COUNTY	BURLINGTON COUNTY	CAMDEN COUNTY	CAPE MAY COUNTY	CUMBERLAND COUNTY	ESSEX COUNTY	GLOUCESTER COUNTY	HUDSON COUNTY	HUNTERDON COUNTY	MERCER COUNTY	MIDDLESEX COUNTY	MONMOUTH COUNTY	MORRIS COUNTY	OCEAN COUNTY	PASSAIC COUNTY	SALEM COUNTY	SOMERSET COUNTY	SUSSEX COUNTY	UNION COUNTY	WARREN COUNTY	STATE INSTITUTIONS	MILITARY POSTS	UNKNOWN
Amebiasis	115	4	4	0	1	0	0	16	1	2	0	1	4	0	2	0	1	0	0	1	0	0	78	0	0
Botulism, infant	6	0	0	0	0	0	0	0	0	1	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	571	29	89	12	63	11	3	33	10	26	3	21	49	63	24	24	19	4	17	18	29	23	0	0	1
Giardiasis	639	14	47	25	52	9	12	37	21	13	19	21	76	63	38	31	39	2	17	39	38	9	17	0	0
Haemophilus influenzae	95	2	5	6	7	1	2	19	2	3	0	8	3	7	2	3	13	1	1	4	5	1	0	0	0
Hepatitis A	320	23	14	15	42	4	2	16	73	11	4	28	13	19	7	16	15	4	4	2	8	0	0	0	0
Hepatitis B	497	28	42	26	69	7	14	61	15	20	0	22	42	24	10	29	24	14	11	4	31	0	4	0	0
Hepatitis Non-A, Non-B	21	0	1	2	0	0	4	0	0	0	0	2	2	2	0	2	2	1	0	2	1	0	0	0	0
Legionellosis	40	0	4	0	0	0	4	0	0	3	0	2	15	3	1	0	3	0	1	0	3	1	0	0	0
Listeriosis	13	0	1	1	1	2	0	1	0	2	0	0	0	1	0	1	0	0	0	1	2	0	0	0	0
Lyme Disease	550	5	8	50	5	3	10	1	5	6	18	34	21	149	18	148	5	2	22	4	6	2	0	18	0
Meningococcus	88	0	12	2	9	2	0	7	2	7	1	6	9	12	0	4	5	0	0	4	5	1	0	0	0
Rocky Mountain Spotted Fever	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Salmonellosis	2391	90	192	105	213	46	53	286	55	155	28	97	296	202	89	108	127	11	57	24	112	31	10	1	3
Shigellosis	332	4	14	2	37	1	11	54	10	34	1	11	51	15	19	5	27	7	8	0	18	3	0	0	0
Toxic Shock Syndrome	9	0	2	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	1	0	0	1	0	0	0
Yersiniosis	76	3	0	1	11	1	0	9	0	3	0	6	5	10	6	5	4	0	4	0	8	0	0	0	0

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INTRODUCTION

The historical perspective presented in this report includes an overview of sociodemographic trends and mortality statistics for the United States and New Jersey. Trends in births, deaths, marriages, divorces, fertility, and average length of life are emphasized. Also, changes in the incidence of selected communicable diseases are summarized.

STATISTICAL OVERVIEW

U.S. TRENDS

The total United States population including Armed Forces overseas was estimated to be 245.8 million on July 1, 1988, an increase of 0.8 percent from the previous year. The preponderance of population growth has been in the South and West, with these two regions accounting for 88.8 percent of the nation's growth between April 1, 1980 and July 1, 1987. Recent projections indicate that the population will increase to 249.9 million by 1990 and to 267.7 million by 2000.

The rate of population growth has slowed substantially since the 1950s. The decrease in the annual number of births from 4.3 million in the late 1950s to 3.9 million in 1988 has more than offset the increase in life expectancy from 68.2 years in 1950 to 74.9 years in 1987 and 1988. At the growth rate experienced in the 1970s, the U.S. population would double in size in about 85 years. In other industrialized countries with slower growth rates than the United States, such as the German Federal Republic, England and Wales, it will take as many as 347 years for the population to double. In the lesser developed countries with higher rates of growth, such as Mexico, the population will double in about 17 years.

By the end of the century, the number of people 65 years of age and over in the United States is projected to increase by about 5 million, from 12.3 percent of the population in 1988 to 13.0 percent by 2000. Since the elderly are less healthy and utilize more health services than younger people, there will probably be an increase in demand for health and social services.

Birth rates in general have steadily decreased since the late 1950s with women having their first child at a later age than in the past. From 1972 to 1976, rates of having the first child increased for women in age groups 25-29 and 30-34 but decreased for women 20-24 years of age. Birth rates for young teenagers between 15-17 did not begin to drop until the early 1970s, unlike the rates for older teenagers, 18-19, which declined similarly to the rates for women 20-24 years of age.

The national crude death rate has remained steady since 1975, ranging from 8.5 to 8.8 per 1,000 population. A comparison of the crude death rates in the United States and New Jersey shows that the New Jersey rate of 941.4 per 100,000 is higher than the United States rate of 883.0. This difference is presumably related to higher death rates associated with the greater concentration of population in the older age groups in New Jersey.

Between 1975 and 1988 the United States infant mortality rate per 1,000 live births dropped 38 percent, from 16.1 to 9.9. The decline in actual infant deaths was slightly over 23 percent. The infant mortality rate for New Jersey was 1 percent lower than the United States rate of 9.9 in 1988. Infant mortality rates in New Jersey have declined similarly to those for the United States during the past 10 years.

Average length of life in the United States since 1950 increased from 68.2 years to 74.9 years, a 9.8 percent gain. The increase in average life span was greater for females; their average length of life increased from 71.1 years in 1950 to 78.3 years in 1987, or 10.1%. The average length of life for males over the same thirty-five year period rose from 65.6 to 71.4--a gain of 8.8%. The average length of life for Blacks has been increasing faster than for Whites since data became available in 1970. However, the life expectancy for Blacks is still lower, 65.1 years for males and 73.8 years for females.

NEW JERSEY TRENDS

New Jersey is the most densely populated state in the nation (1033.7 persons per square mile as of July 1, 1988) and was the first state to have more than one thousand residents per square mile. Future population increases are expected to be lower than for the nation as a whole. However, the annual growth rate of about 0.6% during this decade is higher than the 0.3% per annum growth that took place over the 1970-80 period. The New Jersey Department of Labor has projected that, by the year 2000, the State's population will reach the 8.5 million mark; a population of 9.3 million is anticipated by July 1, 2020.

The population growth that is predicted should result from an increase in the number of births and projected in-migration from bordering states. The projected increase in births is based on the relatively large numbers of women in the childbearing ages between 15 and 44 years of age. Based on current trends, strong employment growth is indicated in several counties that should attract workers from bordering states.

New Jersey's population grew much faster than the nation's during the fifties and the sixties, despite lower birth rates and higher death rates. The rapid growth in the State's population was attributed to a large net in-migration that took place, mostly from the neighboring states of New York and Pennsylvania. In the 1970s, however, New Jersey registered an almost stationary 2.7 percent population growth, compared to the 11.4 percent average rate for the United States. The reversal that took place during the seventies of the previous trend was almost entirely because of net out-migration.

The State's population growth was in suburbia and was concentrated more in the northeast and southwest counties than in the rural or shore areas. The urban areas, in contrast, experienced a population decline from 1970 to 1980 as the shrinking of the State's industrial base had its impact. Still, nine out of ten of the State's residents continue to live in the major urban centers of the State.

The racial composition, age distribution, and other population characteristics did not change significantly in New Jersey between 1970 and 1980. The characteristics for 1980 are similar to those of the United States. However, two major differences in the composition have been observed: (a) the State's minority population is growing more rapidly than in the nation as a whole, due primarily to the in-migration of Hispanics; and (b) both the marriage and divorce rates remain noticeably below the national averages.

Over the years, the trends in birth rates have paralleled those of the nation as a whole. While birth rates are higher nationally than in New Jersey, both rates declined from 1947 to the mid-1970s. In 1977 the birth rates began to increase in New Jersey and nationally, although slowly. The gap between the New Jersey and national birth rates widened between 1979-1982, with slower annual increases in New Jersey than nationally. Since 1983 the gap in birth rates has narrowed, as New Jersey's birth rate has increased at a faster pace than the nation's.

The fertility rate, or ratio of live births per 1,000 women aged 15 through 44, is another indicator of actual birth trends. The fertility rate for New Jersey in 1970 was 81.2, compared to 87.9 births per 1,000 women aged 15 through 44 for the nation. With the downward trend in population increases, out-migration and a lower birth rate, the fertility rate was affected. By 1975 the fertility rate for New Jersey had dropped to 56.6, which was below the United States rate of 66.0. In the 1980s, the New Jersey fertility rate began to stabilize. It was 57 live births per 1,000 women in 1980. In 1988 the fertility rate was 64.6. During the same time period, 1980 to 1988, the fertility rate in the United States dropped from 68.4 to 67.3.

New Jersey's crude mortality rate has exceeded the national rate in each year since 1975. Moreover, New Jersey's crude rate has been increasing faster than the national rate, which results in a widening gap between the two rates. At least part of the explanation for New Jersey's higher rate of increase in the crude death rate is the higher proportion of persons aged 65 and above in New Jersey. Persons in this age group comprised 13.1 percent of New Jersey's population in 1988, while, in the country as a whole, an estimated 12.3 percent of the population were in this age group.

Perinatal mortality is a composite statistic used to measure the critical period of human development just prior to birth and shortly thereafter. As presented in this report, perinatal mortality includes fetal deaths plus deaths of infants under 28 days of age. Since 1947, when New Jersey began computing perinatal mortality rates, the rate has decreased by 61 percent. It dropped from 41.4 to 16.0 deaths per 1,000 live births plus fetal deaths, from 1947 to 1983. In 1988 the rate stood at 16.8. Over the past twenty-five years maternal deaths also have declined dramatically. In 1985 the maternal death rate was the lowest ever recorded, at 0.3 per 10,000 live births. However, in 1987 the number of maternal deaths reached 14, which raised the rate to 1.2. The number of deaths fell to 6 in 1988 with a rate of 0.5 per 10,000 live births.

Rates of homicide and suicide have changed dramatically since 1940, but in different directions. Homicide rates rose sharply in New Jersey, from 2.4 per 100,000 population in 1940 to a high of 7.5 in 1981. The rate in 1988 was 6.2. On the other hand, suicides decreased from 15.9 per 100,000 in 1940 to a low of 6.8 in 1970. Since then, the suicide rate rose erratically to 9.3 in 1987, then dropped to 7.9 in 1988.

Tuberculosis cases and deaths are much less frequent now than in 1940, when almost 90 people out of 100,000 suffered from TB and 44 persons per 100,000 population died from the disease. Corresponding rates of cases and deaths in 1988 were 13.5 and 1.0 per 100,000 population. The steady decline in cases and deaths halted in the early 1980s; since then, the rates for cases have fluctuated between 11.1 and 13.9; while the death rates have fluctuated between 0.7 and 1.0.

Changes in the rates of syphilis and gonorrhea cases have been marked over the years. The rate for total syphilis cases dropped from 247.1 per 100,000 in 1940 to a low of 24.7 in 1978. By 1988, the rate per 100,000 population had risen to 37.3. The rate for gonorrhea, on the other hand, rose from 73.6 cases per 100,000 in 1940 to a high of 310.5 in 1981. The gonorrhea incidence rate of 212.7 per 100,000 in 1988 was the lowest it has been since 1974 and is well below the national rate of 292.7.

New Jersey's ranking of major causes of death is the same as the nation's, with the leading causes being heart diseases, malignant neoplasms, and cerebrovascular diseases, which together account for approximately two-thirds of the deaths in New Jersey. While New Jersey's crude death rates for heart diseases and malignant neoplasms are higher than those for the nation, the reverse is true for cerebrovascular diseases. Trends in death rates between 1970 and 1988 for the principal causes of death are presented in Table 8. The rates for heart diseases, cerebrovascular diseases, accidents, and chronic liver diseases dropped noticeably from 1970 to 1988. The only major increase among the rates of death for the five leading causes of death occurred in the death rate for malignant neoplasms, which rose from 184.1 in 1970 to 221.1 per 100,000 in 1988.

The most current data regarding AIDS in New Jersey indicate a continuing increase in the total number of diagnosed cases and resulting deaths. Diagnosed cases of AIDS for 1988 were approximately 2 percent higher than in 1987. To date, over 63.5% of all cases diagnosed in the State have ended in death (Chart IV).

TABLE-1

VITAL STATISTICS OF THE UNITED STATES
1975 - 1988

Year	Births	Deaths	Natural Increase	Marriages	Divorces	Infant Mortality
1975	3,144,198	1,892,879	1,251,319	2,152,662	1,036,000	50.525
1976	3,167,788	1,909,440	1,258,348	2,154,807	1,083,000	48.265
1977	3,326,632	1,899,597	1,427,035	2,178,367	1,091,000	46.975
1978	3,333,279	1,927,788	1,405,491	2,282,272	1,130,000	45.945
1979	3,494,398	1,913,841	1,580,557	2,331,337	1,181,000	45.665
1980	3,612,258	1,989,841	1,622,417	2,390,252	1,189,000	45.526
1981	3,629,238	1,977,981	1,651,257	2,422,145	1,219,000	42.700
1982	3,680,537	1,974,797	1,705,740	2,495,000	1,180,000	42.770
1983	3,638,933	2,019,201	1,619,732	2,444,000	1,179,000	39.400
1984	3,669,141	2,039,369	1,629,772	2,487,000	1,155,000	39.580
1985	3,749,000	2,084,000	1,665,000	2,425,000	1,187,000	40.030
1986	3,731,000	2,099,000	1,632,000	2,400,000	1,159,000	38.600
1987	3,829,000	2,127,000	1,702,000	2,421,000	1,157,000	38.000
1988	3,913,000	2,171,000	1,742,000	2,389,000	1,183,000	38.700

NOTE: Based on 100 percent of births in selected States and on 50-percent sample of births in all other States.

TABLE-2

VITAL STATISTICS OF THE UNITED STATES
RATES PER 1,000 POPULATION
1975 - 1988

Year	Births	Deaths	Natural Increase	Marriages	Divorces	Infant Mortality
1975	14.6	8.8	5.8	10.0	4.8	16.1
1976	14.6	8.8	5.8	9.9	5.0	15.2
1977	15.1	8.6	6.5	9.9	5.0	14.1
1978	15.0	8.7	6.3	10.3	5.1	13.8
1979	15.6	8.5	7.1	10.4	5.3	13.1
1980	15.9	8.8	7.1	10.6	5.2	12.6
1981	15.8	8.6	7.2	10.6	5.3	11.9
1982	15.9	8.5	7.4	10.6	5.0	11.5
1983	15.5	8.6	6.9	10.5	4.9	11.2
1984	15.5	8.6	6.9	10.5	5.0	10.8
1985	15.8	8.7	7.1	10.1	5.0	10.6
1986	15.6	8.7	6.9	10.0	4.9	10.4
1987	15.7	8.7	7.0	9.9	4.8	10.0
1988	15.9	8.8	7.1	9.7	4.8	9.9

Beginning with 1978, data include nonlicensed marriages registered in California. Infant mortality rates per 1,000 live births.

TABLE-3

UNITED STATES
 AVERAGE LENGTH OF LIFE IN YEARS, BY RACE AND SEX:
 SPECIFIED YEARS 1950-1988

YEAR	ALL RACES				WHITE				TOTAL				BLACK			
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9							
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3							
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3				
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3				
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6				
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0				
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4				
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9				
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5				
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.8	66.1	74.4	68.9	64.5	73.2				
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7				
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	65.4	73.6				
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	73.7				
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.3	73.5				
1986	74.8	71.3	78.3	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.2	73.5				
1987	74.9	71.5	78.3	75.5	72.1	78.8	71.6	67.6	75.4	69.7	65.4	73.8				
1988	74.9	71.4	78.3	75.5	72.1	78.9	71.5	67.4	75.5	69.5	65.1	73.8				

Source: United States, 1988 Monthly Vital Statistics Report Vol. 37, No. 13, July 26, 1989.
 Provisional data for 1987 and 1988 based on 10-percent sample of deaths; for all other years, based on final data.

TABLE-4

NEW JERSEY
VITAL STATISTICS SUMMARY
SPECIFIED YEARS 1940-1988

YEAR	BIRTHS		MARRIAGES		DIVORCES		DEATHS		FERTILITY RATE	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
1940	59,328	14.3	41,059	9.9	-----	-----	45,206	10.9	-----	57.0
1950	97,734	20.2	46,291	9.6	-----	-----	48,837	10.1	-----	86.6
1960	132,594	21.8	39,820	6.6	-----	-----	59,330	9.8	-----	106.1
1970	120,168	16.7	56,625	7.9	10,004	1.4	67,976	9.5	-----	81.2
1980	96,438	13.1	55,794	7.6	25,783	3.5	68,762	9.3	-----	57.0
1970	120,168	16.7	56,625	7.9	10,004	1.4	67,976	9.5	-----	81.2
1971	111,376	15.3	56,531	7.8	12,847	1.8	67,680	9.3	-----	74.0
1972	99,050	13.5	58,476	8.0	15,017	2.1	68,865	9.4	-----	65.1
1973	94,024	12.8	59,723	8.1	22,054	3.0	68,631	9.3	-----	61.6
1974	94,242	12.7	56,449	7.6	19,880	2.7	66,797	9.0	-----	61.6
1975	91,457	12.4	53,008	7.2	20,475	2.8	65,422	8.9	-----	56.6
1976	90,549	12.3	51,291	7.0	20,990	2.9	65,276	8.9	-----	55.2
1977	93,786	12.7	50,677	6.9	19,894	2.7	65,646	8.9	-----	58.9
1978	93,356	12.8	52,993	7.2	24,752	3.4	65,161	8.9	-----	58.6
1979	95,672	13.0	54,740	7.5	23,934	3.3	65,495	8.9	-----	60.2
1980	96,438	13.1	55,794	7.6	25,783	3.5	68,762	9.3	-----	57.0
1981	96,205	13.0	58,010	7.8	27,852	3.8	67,053	9.1	-----	56.8
1982	98,225	13.2	59,949	8.1	30,322	4.1	67,471	9.1	-----	57.7
1983	98,746	13.2	61,798	8.3	27,923	3.7	68,626	9.2	-----	57.8
1984	100,950	13.4	62,654	8.3	28,470	3.8	68,944	9.2	-----	57.4
1985	105,329	13.9	61,189	8.1	29,295	3.9	70,655	9.3	-----	59.2
1986	108,444	14.2	61,362	8.0	27,669	3.6	71,299	9.4	-----	60.4
1987	113,234	14.8	60,550	7.9	27,222	3.5	71,728	9.3	-----	62.5
1988	117,481	15.2	61,063	7.9	26,897	3.5	72,688	9.4	-----	64.6

NOTE: Rates are expressed per 1,000 population.
See Technical Notes for calculation procedure on fertility rates.

TABLE-5

NEW JERSEY
MATERNAL AND INFANT MORTALITY STATISTICS
SPECIFIED YEARS 1940-1988

YEAR	1		1		1		2		3	
	INFANT DEATHS NO.	RATE	NEONATAL DEATHS NO.	RATE	FETAL DEATHS NO.	RATIO	PERINATAL DEATHS NO.	RATE	MATERNAL DEATHS NO.	RATE
1940	2,094	35.3	1,422	24.0	1,543	26.0	2,965	48.7	172	29.0
1950	2,445	25.0	1,875	19.2	1,845	18.9	3,720	37.4	76	7.8
1960	3,248	24.5	2,458	18.5	2,201	16.6	4,659	34.6	44	3.3
1970	2,406	20.0	1,915	15.9	1,698	14.1	3,613	29.6	38	3.2
1980	1,201	12.5	829	8.6	925	9.6	1,754	18.0	5	0.5
1970	2,406	20.0	1,915	15.9	1,698	14.1	3,613	29.6	38	3.2
1971	2,095	18.8	1,612	14.5	1,441	12.9	3,053	27.1	25	2.2
1972	1,809	18.3	1,394	14.1	1,232	12.4	2,626	26.2	23	2.3
1973	1,644	17.5	1,249	13.3	1,204	12.8	2,453	25.8	16	1.7
1974	1,582	16.8	1,199	12.7	1,071	11.4	2,270	23.8	16	1.7
1975	1,434	15.7	1,042	11.4	941	10.3	1,983	21.5	14	1.5
1976	1,366	15.1	1,034	11.4	1,004	11.1	2,038	22.3	18	2.0
1977	1,355	14.4	1,013	10.8	1,083	11.5	2,096	22.1	13	1.4
1978	1,145	12.3	812	8.7	929	10.0	1,741	18.5	9	1.0
1979	1,223	12.8	873	9.1	931	9.7	1,804	18.7	8	0.8
1980	1,201	12.5	829	8.6	925	9.6	1,754	18.0	5	0.5
1981	1,016	10.6	700	7.3	920	9.6	1,620	16.7	7	0.7
1982	1,153	11.7	800	8.1	1,008	10.3	1,808	18.2	11	1.1
1983	1,115	11.3	755	7.6	839	8.5	1,594	16.0	5	0.5
1984	1,090	10.8	744	7.4	1,062	10.5	1,806	17.7	11	1.1
1985	1,113	10.6	759	7.2	1,119	10.6	1,878	17.6	3	0.3
1986	1,055	9.7	708	6.5	1,166	10.8	1,874	17.1	9	0.8
1987	1,057	9.3	719	6.3	1,263	11.2	1,982	17.3	14	1.2
1988	1,151	9.8	784	6.7	1,192	10.1	1,976	16.7	6	0.5

NOTE: (1) Rates and ratios are expressed per 1,000 births.
 (2) Rates represent neonatal deaths plus fetal deaths per 1,000 live births plus fetal deaths.
 (3) Rates per 10,000 live births.

TABLE-6

NEW JERSEY SELECTED COMMUNICABLE DISEASES, HOMICIDES AND SUICIDES 1940 - 1988

YEAR	HOMICIDES		SUICIDES		TB DEATHS		TB CASES		SYPHILIS CASES		GONORRHEA CASES	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
1940	99	2.4	664	15.9	1,825	43.8	3,702	88.9	10,287	247.1	3,066	73.6
1950	116	2.4	605	12.5	1,170	24.0	3,548	73.4	5,768	119.4	3,904	80.8
1960	158	2.6	486	8.0	354	5.8	2,928	48.2	5,273	86.5	5,181	85.0
1970	418	5.8	487	7.8	245	3.4	2,013	28.0	5,078	70.6	9,751	135.6
1980	530	7.2	576	7.8	65	0.9	980	13.3	2,314	31.4	21,018	285.4
1970	418	5.8	487	6.8	245	3.4	2,013	28.0	5,078	70.6	9,751	135.6
1971	458	6.3	570	7.8	217	3.0	2,118	29.2	6,029	83.0	11,480	158.1
1972	499	6.8	617	8.4	166	2.3	1,162	23.1	2,636	36.0	16,658	227.5
1973	523	7.1	609	8.3	184	2.5	1,531	20.8	2,895	39.3	16,206	219.9
1974	513	6.9	572	7.7	161	2.2	1,474	19.9	2,634	35.6	15,294	206.8
1975	520	7.1	612	8.3	122	1.7	1,362	18.5	2,410	32.8	17,261	234.9
1976	405	5.5	577	7.8	112	1.5	1,317	17.9	2,180	29.6	17,708	240.7
1977	414	5.6	643	8.7	104	1.4	1,351	18.4	1,899	25.8	18,837	256.0
1978	406	5.5	563	7.7	104	1.4	1,105	15.1	1,804	24.7	20,221	276.4
1979	490	6.7	572	7.8	74	1.0	1,008	13.7	1,934	26.4	19,548	266.6
1980	530	7.2	576	7.8	65	0.9	980	13.3	2,314	31.4	21,018	285.4
1981	558	7.5	552	7.5	55	0.7	1,028	13.9	2,096	28.3	22,998	310.5
1982	548	7.4	605	8.1	53	0.7	884	11.9	1,930	26.0	22,665	305.0
1983	447	5.9	572	7.6	56	0.7	891	11.9	2,088	27.8	22,075	293.7
1984	435	5.7	650	8.6	70	0.9	935	12.4	2,006	26.5	20,351	268.9
1985	452	5.9	672	8.8	62	0.8	839	11.0	2,284	30.0	19,751	259.0
1986	459	6.0	662	8.7	78	1.0	948	12.4	1,993	26.1	19,612	257.2
1987	406	5.3	710	9.3	74	1.0	1,063	13.9	2,209	28.8	17,150	223.5
1988	479	6.2	613	7.9	77	1.0	1,045	13.5	2,878	37.3	16,423	212.7

NOTE: (1) Rates are expressed per 100,000 population.

(2) The sharp decrease in new cases of syphilis in 1972 reflects improved tabulation of data eliminating cases previously recorded in New Jersey or other states.

TABLE-7

Death Rates and Percent of Total Deaths for Selected Causes of Deaths: United States and New Jersey, 1988 (Rates per 100,000 Estimated Population)

Cause of Death (International List Number, 9th Revision)	New Jersey		Provisional United States	
	Number	Rate	Number	Rate
TOTAL DEATHS	72,688	941.4	2,171,000	883.0
Diseases of heart (390-398,402,404-429)	27,339	354.1	767,400	312.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208)	17,073	221.1	488,240	198.6
Cerebrovascular diseases (430-438)	4,261	55.2	150,300	61.1
Accidents and adverse effects (E800-E949)	2,308	29.9	97,500	39.7
Motor vehicle accidents and adverse effects	1,036	13.4	50,060	20.4
All other accidents and adverse effects (E800-E807, E826-E949)	1,272	16.5	47,440	19.3
Pneumonia and Influenza (480-487)	2,469	32.0	77,330	31.5
Diabetes Mellitus (250)	1,507	19.5	39,610	16.1
Suicide (E950-E959)	613	7.9	30,260	12.3
Chronic liver disease and cirrhosis (571)	1,015	13.1	26,080	10.6
Bronchitis, emphysema and asthma (490-493)	684	8.9	23,770	9.7
Atherosclerosis (440)	611	7.9	23,700	9.6
Other diseases of arteries, arterioles and capillaries (441-448)	732	9.5	22,620	9.2
Homicide and legal intervention (E960-E978)	479	6.2	22,190	9.0
Nephritis, nephrotic syndrome and nephrosis (580-589)	892	11.6	21,890	8.9
Septicemia (038)	1,216	15.7	20,850	8.5
All other causes	11,489	148.8	359,260	147.4
Percent				Percent
				100.0
				35.3
				22.5
				6.9
				4.5
				2.3
				2.2
				3.6
				1.8
				1.4
				1.2
				1.1
				1.1
				1.0
				1.0
				16.5

Source of United States Data: 1988 Monthly Vital Statistics Report Vol. 37, No. 13, July 26, 1989. Data are provisional, estimated from a 10-percent sample of deaths.

TABLE-8

NEW JERSEY PRINCIPAL CAUSES OF DEATH 1940 - 1988

YEAR	Diseases of Heart (390-398, 402, 404-429)		Malignant Neoplasms, Lymphatic and Hematopoietic Tissues (140-208)		Cerebrovascular Diseases (430-438)		Accidents (E800-E949)		Pneumonia, and Influenza (480-487)		Diabetes Mellitus (250)		Chronic Liver Diseases and Cirrhosis (571)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
1940	14,942	358.9	---	---	---	---	---	---	---	---	1,518	36.5	---	---
1950	28,187	429.4	---	---	---	---	2,217	36.4	1,840	30.1	1,238	20.3	920	15.1
1960	29,351	408.0	13,242	184.1	6,290	87.4	2,982	41.4	1,928	26.8	1,512	21.0	1,417	19.7
1970	29,393	399.1	15,502	210.5	5,036	68.4	2,488	33.8	1,662	22.6	1,440	19.6	1,168	15.9
1971	29,351	408.0	13,242	184.1	6,290	87.4	2,982	41.4	1,928	26.8	1,512	21.0	1,417	19.7
1972	29,345	401.8	13,085	179.2	6,262	85.7	3,021	41.4	1,865	25.5	1,524	20.9	1,435	19.6
1973	29,723	402.6	13,616	184.4	6,432	87.1	2,878	39.0	2,018	27.3	1,480	20.1	1,384	18.7
1974	29,167	395.7	14,077	191.0	6,499	88.2	2,995	40.6	1,898	25.7	1,535	20.8	1,400	19.0
1975	28,160	380.1	13,999	188.9	6,351	85.7	2,728	36.8	1,745	23.6	1,449	19.6	1,346	18.2
1976	27,378	368.3	14,377	193.4	5,831	78.4	2,602	35.0	1,616	21.7	1,416	19.0	1,235	16.6
1977	27,613	371.6	14,585	196.3	5,504	74.1	2,520	33.9	1,824	24.5	1,311	17.6	1,267	17.0
1978	27,721	377.2	14,925	203.1	5,393	73.4	2,551	34.7	1,673	22.8	1,300	17.7	1,248	17.0
1979	27,514	374.4	15,119	205.7	5,274	71.8	2,472	33.6	1,621	22.1	1,347	18.3	1,237	16.8
1980	27,778	378.9	15,219	207.6	4,920	67.1	2,634	35.9	1,413	19.3	1,255	17.1	1,089	14.9
1981	29,393	399.1	15,502	210.5	5,036	68.4	2,488	33.8	1,662	22.6	1,440	19.6	1,168	15.9
1982	28,164	380.2	15,740	212.5	4,934	66.6	2,544	34.3	1,606	21.7	1,384	18.7	1,131	15.3
1983	28,122	378.5	16,088	216.5	4,661	62.7	2,373	31.9	1,485	20.0	1,248	16.8	1,055	14.2
1984	28,104	376.3	16,480	220.7	4,737	63.4	2,127	28.5	1,692	22.7	1,411	18.9	1,132	15.2
1985	27,460	365.3	16,662	221.7	4,609	61.3	2,099	27.9	1,959	26.1	1,415	18.8	1,032	13.7
1986	27,886	368.5	17,001	224.6	4,475	59.1	2,155	28.5	2,150	28.4	1,398	18.5	1,136	15.0
1987	27,601	362.0	17,000	223.0	4,372	57.3	2,176	28.5	2,237	29.3	1,454	19.1	1,012	13.3
1988	26,931	350.9	17,123	223.1	4,478	58.4	2,358	30.7	2,131	27.8	1,562	20.4	1,038	13.5
1989	27,339	354.1	17,073	221.1	4,261	55.2	2,308	29.9	2,469	32.0	1,507	19.5	1,015	13.1

NOTE: Rates are expressed per 100,000 population.
Human Immunodeficiency Virus Infection (AIDS) - No comparative data exists, since reporting of this disease was not uniform until 1988.

TABLE-8 (continued)

NEW JERSEY
PRINCIPAL CAUSES OF DEATH
1940 - 1988

YEAR	Atherosclerosis (440)	Nephritis Nephrotic Syndrome and Nephrosis (580-589)	Other Diseases of Arteries Arterioles and Capillaries (441-448)	Suicide (E950-E959)	Septicemia (038)	Bronchitis, Emphysema and Asthma (490-493)	Homicide and Legal Intervention (E960-E978)
	NO.	NO.	NO.	NO.	NO.	NO.	NO.
	RATE	RATE	RATE	RATE	RATE	RATE	RATE
1940	---	---	---	664	---	---	99
1950	---	---	---	605	---	---	116
1960	---	---	---	486	---	---	158
1970	---	---	---	487	---	---	418
1980	813	670	642	576	---	551	530
1970	---	---	---	487	894	12.4	418
1971	803	11.0	---	570	827	11.3	458
1972	831	11.3	---	617	831	11.3	499
1973	795	10.8	---	609	844	11.4	523
1974	749	10.1	871	572	735	9.9	513
1975	758	10.2	810	612	664	8.9	520
1976	713	9.6	824	577	651	8.8	405
1977	645	8.8	865	643	592	8.0	414
1978	659	9.0	835	563	527	7.2	406
1979	742	10.1	624	572	513	7.0	490
1980	813	11.0	642	576	551	7.5	530
1981	619	8.4	602	552	551	7.4	558
1982	730	9.8	728	605	553	7.4	548
1983	765	10.2	689	572	588	7.9	447
1984	765	10.2	725	650	567	7.5	435
1985	682	9.0	712	672	607	8.0	452
1986	626	8.2	726	662	654	8.6	459
1987	635	8.3	763	710	601	7.8	406
1988	611	7.9	732	613	684	8.9	479

NOTE: Rates are expressed per 100,000 population.

TRENDS IN COMMUNICABLE DISEASES

New Jersey - 1960 to 1988

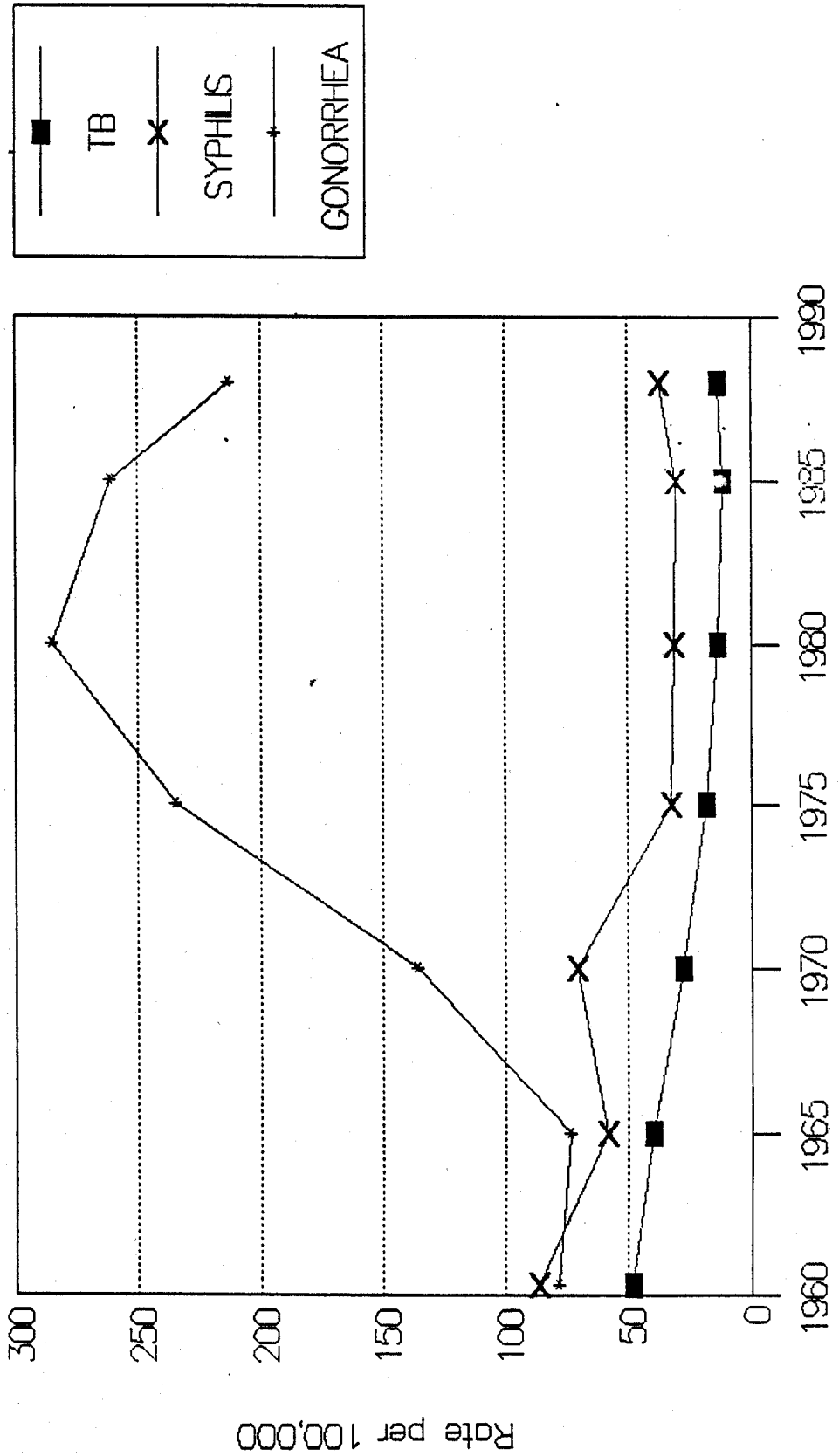
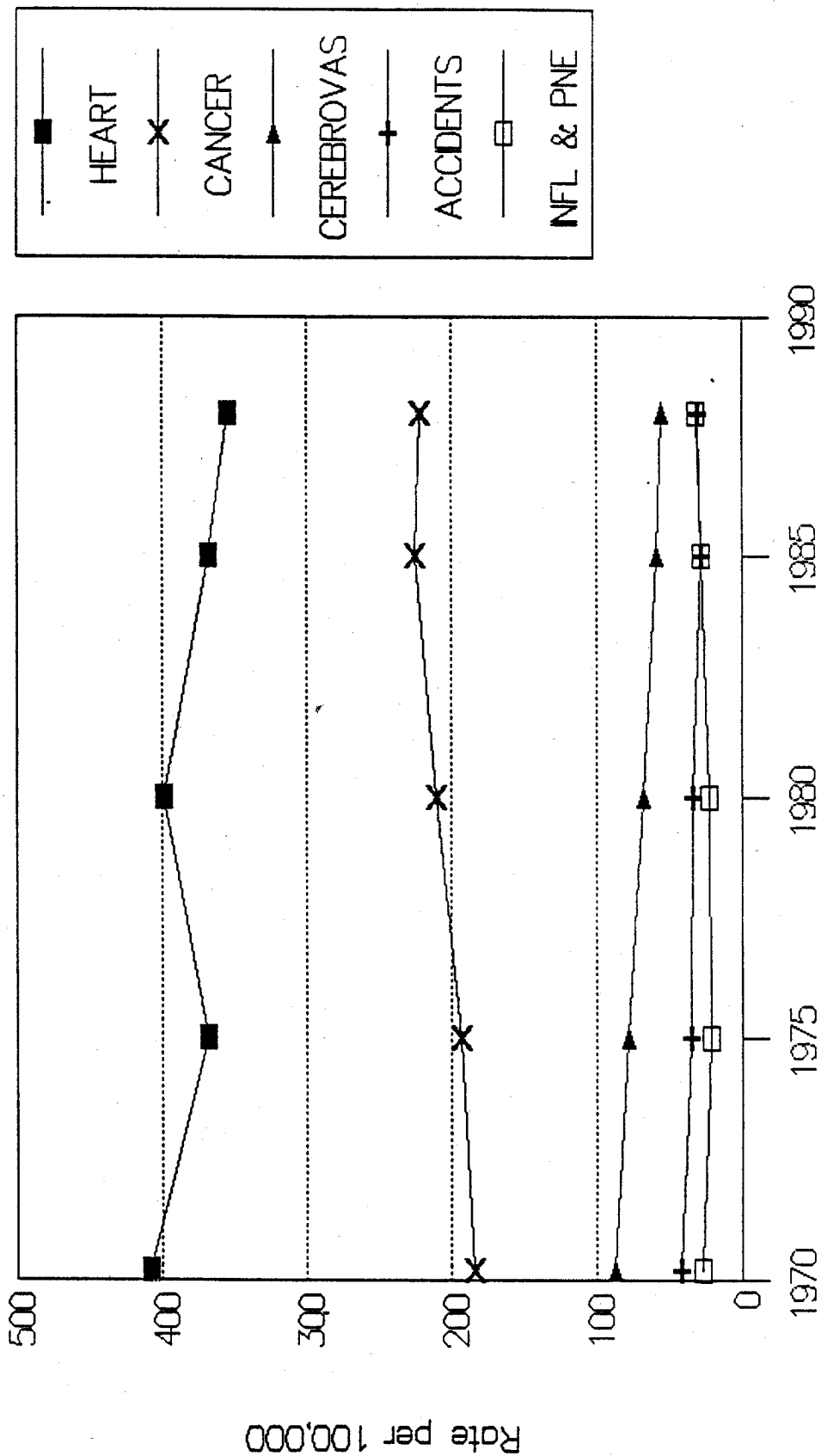


CHART II

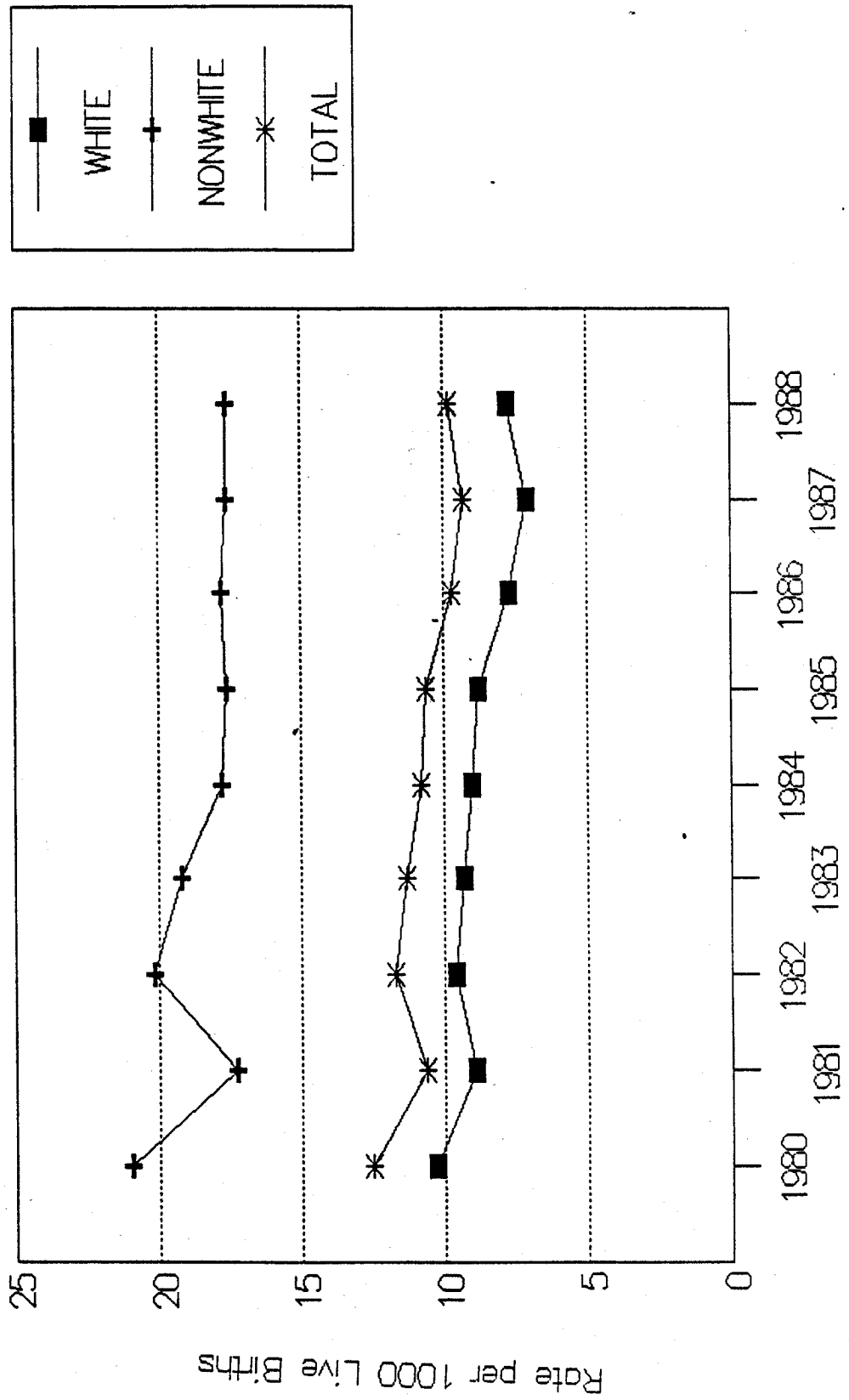
FIVE LEADING CAUSES OF DEATH

New Jersey - 1970 to 1988



INFANT MORTALITY RATES BY RACE

New Jersey - 1980 TO 1988



NEW JERSEY AIDS CASES

By Year of Diagnosis as of 1/1/89

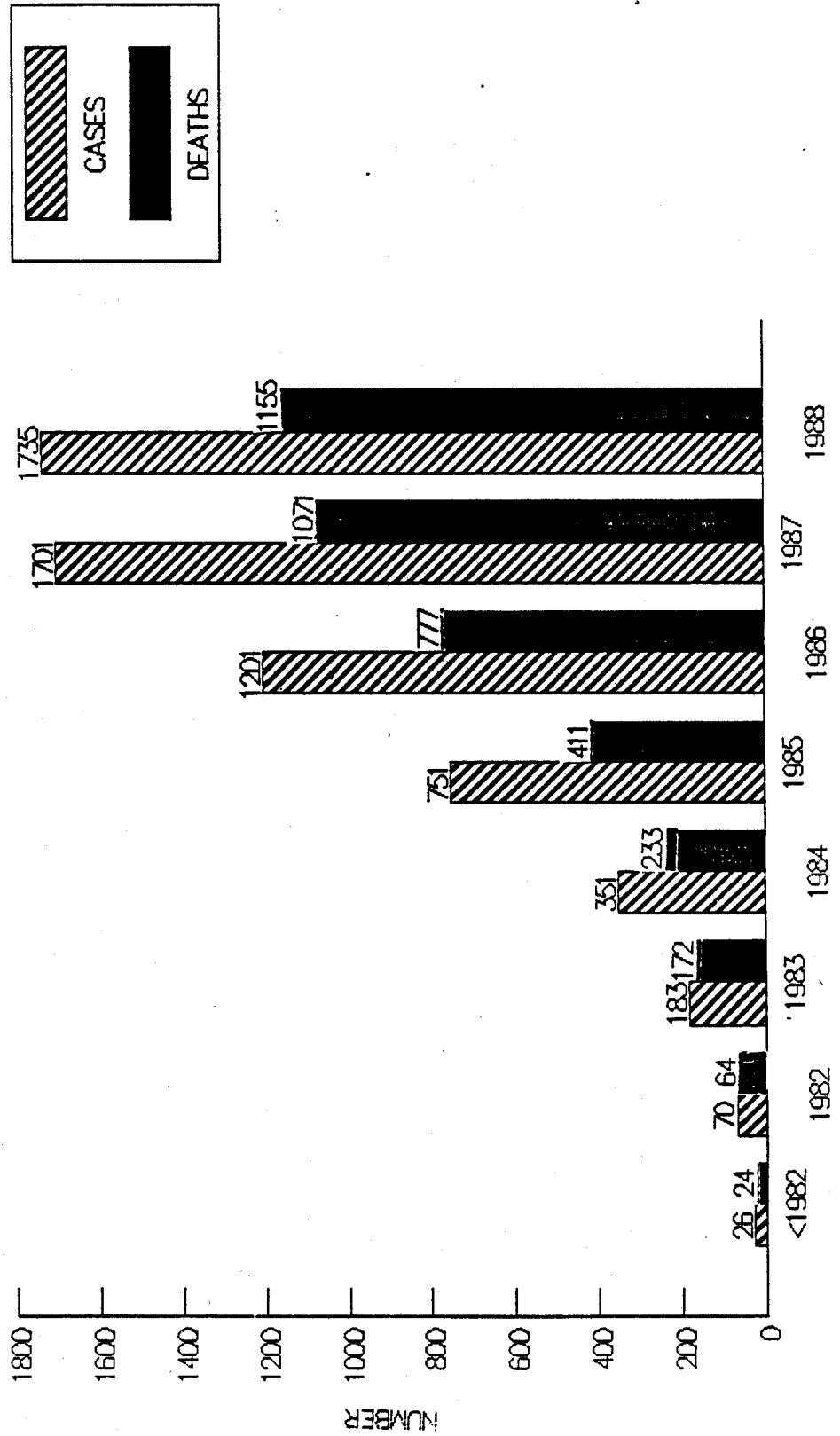
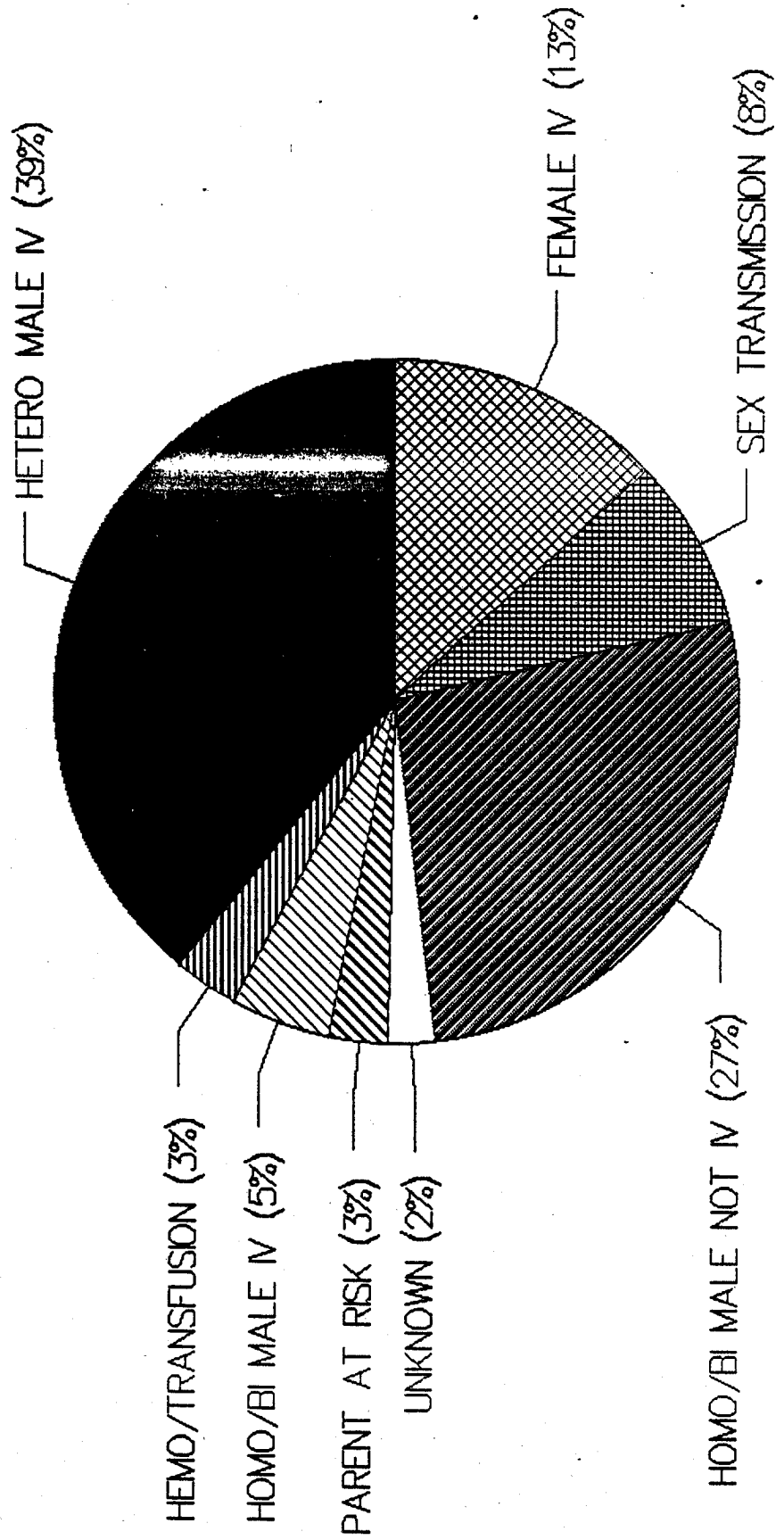


CHART V

NEW JERSEY AIDS CASES BY RISK FACTOR AS OF 1/1/89



Natality 1988

TAB-C
NATALITY

CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Natality 1988

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Natality 1988

INTRODUCTION

This Natalty report covers births to New Jersey residents for the calendar year 1988. Statistics provided herein are summarized from reported birth certificate items filed with the New Jersey State Registrar. New Jersey legislation requires that the attending physician, midwife, or person acting as midwife file a Certificate of Birth within five days of birth with the Local Registrar. Births to New Jersey residents that occurred during the calendar year in other states are recorded in the state of occurrence. All certificates are forwarded to the New Jersey State Registrar who maintains these records. Individual identifiers are removed prior to tabulation of data for statistical purposes.

STATISTICAL OVERVIEW

Number of Births

The trend in New Jersey's birth total has paralleled closely that of the United States. In 1988, there were 117,481 resident births in New Jersey, the highest annual total since 1970 when resident births totaled 120,168. Births in 1988 increased 3.8 percent from the 1987 level of 113,234. Nationally, the number of births in 1988 reached 3,913,000. This provisional estimate reported by the National Center for Health Statistics represents an increase of 2.0 percent for the same period. In 1988, 87,572 births in New Jersey were reported as white, 25,852 as nonwhite and 4,057 of unknown race. White births represented 74.5 percent of total births, while nonwhite births comprised 22.0 percent. White births increased 0.8 percent from the previous year; nonwhite births increased 9.7 percent.

Of the total births in the State, 2.3% (2,675) were twins and 0.1% (94) were triplets or greater multiples. Single births were 97.6% of all births.

The ratio of male to female births in New Jersey for 1988 was 1,046 male to every 1,000 female births. This male/female ratio was down slightly from the 1987 level of 1.054. Between 1987 and 1988, the male/female ratio for white live births decreased slightly from 1.059 to 1.046 while the nonwhite ratio increased from 1.037 to 1.042.

Birth Rate

During 1988 the birth rate in New Jersey rose 0.4 to 15.2 live births per 1,000 population. The birth rate is one measure of population increase. Atlantic County recorded the highest birth rate (17.5) and Bergen County the lowest (12.0). Other counties with rates above the state rate of 15.2 were Passaic (17.3), Sussex (17.1), Camden and Hudson (17.0 each), Cumberland and Warren (16.6 each), Essex (16.5), Gloucester (15.7), Somerset (15.4), and Mercer (15.3).

Fertility Rate

The most significant demographic factors associated with rising birth rates are the increase in the number of women aged 15 through 44 years and an increase in the fertility rate. The measure of the rate of childbearing in New Jersey increased slightly from last year's level of 62.5 per 1,000 females aged 15 through 44 to 64.6 in 1988. The fertility rate has fluctuated moderately since 1980 when it stood at 57.4. While the fertility rate has stabilized in recent years, a downward trend has occurred in New Jersey over the past two decades. Since the early 1970s, the overall fertility rate has dropped by approximately twenty-five percent.

Out-of-Wedlock Births

The incidence of out-of-wedlock births in 1988 was one in every 4.1 births. Over the twenty-year period, 1969 through 1988, the illegitimacy rate of resident births in New Jersey rose from less than 10 percent to 24.1 percent. Among white women, the percentage of births classified as illegitimate in 1988 increased by 6.3 percent over the 1987 figure, while among black women an increase of 0.3 percent was observed. Legitimate births to white mothers were 84.5 percent, one percent less than in 1987; for black mothers legitimate births were 35.1 percent in 1988, up from 35.0 percent in 1987. The percentages of illegitimate births attributed to whites versus nonwhites has remained about the same, 47.2 percent and 50.8 percent respectively, with another 1.0 percent attributed to unknown groups.

Women aged 19 years old and younger gave birth to 30.1 percent of the children born out of wedlock. Of all births among women in this age group 81.3 percent were illegitimate. In the 20 through 24 year old maternal age group, the percent of births that were illegitimate was 44.1, 2.1 percent higher than in 1987. Among mothers 25 through 34 years of age the percent of births that were illegitimate was 12.0 percent. Mothers 25 years of age and older recorded a 11.6 percent rate, 0.8 percent higher than in 1987.

NEWBORN HEALTH

Birthweight

The median weight group for newborns in New Jersey is between 6 lbs. 10 ozs. and 7 lbs. 11 ozs. Of total newborns during 1988, 35.6 percent weighed between 6 lbs. 10 oz. and 7 lbs. 11 oz. and 63.8 percent weighed between 6 lbs. 10 ozs. and 8 lbs. 13 ozs.

By definition, low birthweight newborns weigh 5 lbs. 8 ozs. (2,500 grams) or less. Of all New Jersey resident births for which weight was reported in 1988, 7.0 percent were recorded as low birthweight babies. White births weighing less than 5 lbs. 8 ozs. numbered 4,726 or 5.4 percent of all white births. Low birthweight, nonwhite births numbered 3,262 or 12.6 percent of all nonwhite births.

Statistics indicate that births to young mothers under 20 years of age are more likely to be born prematurely with a low birthweight. A total of 1,118 or 10.7 percent of births to teenage mothers in 1988 were of low birthweight. Among nonwhite teenage mothers the percent of low birthweights was higher than for white teenage mothers. Underweight births to nonwhite teenage mothers represented 13.7 percent or 685 cases, compared to 8.0 percent or 433 cases for births to white teenage mothers.

Previous Pregnancy Terminations

The number of previous pregnancy terminations that a woman has had affects the incidence of low birthweight outcomes for subsequent pregnancies. In 1988 the incidence of low birthweight births to women with no previous pregnancy terminations was 6.7 percent. The percentage of immature births increased, however, with the number of previous terminations, as 13.4 percent of the babies born to women with more than three previous terminations were low birthweight babies.

Prenatal Care

There is a positive relationship between birthweight and prenatal care. Low birthweight infants are born less frequently to women who begin prenatal care in the first trimester of pregnancy. The low birthweight rate among this group was 6.0 percent, a slight increase from the 5.9 percent observed in 1987. The percentage of immature births among mothers starting care during the second trimester of pregnancy was 8.6 percent, a rise of 0.1 from the 1987 percentage. Among those beginning care in the third trimester, the rate was 8.2 percent, which was a rise of 0.1 from last year's percentage. Those receiving no prenatal care gave birth to low birthweight infants in 31.2 percent of the cases, an 8.7 percent increase over the 1987 rate of 28.7 percent.

Apgar Score

The APGAR score is a composite measure used to evaluate the newborn infant's general condition. APGAR scores are given to newborns at one and five minutes after birth. Heart rate, respiratory effort, color, muscle tone, and reflexes are checked and evaluated. Each of these factors receives a score of 0, 1, or 2 and the sum of the five values is the overall score. A score of 10 is optimum. Newborns with scores less than 7 are considered distressed and are observed more closely for physical problems during the first days of life. There is a significant relationship between APGAR score and birthweight, neonatal mortality, and neurological morbidity.

Nineteen percent of all newborns in 1988 received five-minute APGAR scores of 10. Of total births, 93.6 percent were in the 7-10 APGAR score range. Low APGAR scores for newborns of nonwhite mothers were more frequent than for newborns of white mothers. Among nonwhite births, 2.2 percent had scores less than 7 while only 0.9 percent of white births were in this low score range. Across age groups, low APGAR score births were at the highest rate for mothers aged 14 years old and younger (5.1%). This rate is almost double that in 1987 (2.6%). Low APGAR scores were present in 2.0 percent of births to mothers under age 20 in 1988, while the percentage of newborns with low scores was 1.1 percent for mothers aged 20-44.

Low APGAR score births occurred less frequently to mothers who received prenatal care. Of births among women receiving prenatal care, 1.1 percent were in the 0 to 6 score range. Among mothers receiving no prenatal care, 7.7 percent of births had APGAR scores below 7.

MATERNAL CHARACTERISTICS

Age

The median age group for new mothers in 1988 was 25-29 years. Approximately one-third (33.2%) of all births were to women in this age group. Births to teenage mothers, 19 years and younger, accounted for 8.9 percent of the total, slightly lower than the 9.2 percent in 1987. Teenage deliveries were highest as a percentage of total births in Cumberland (19.9%), Salem (15.9%), Essex (14.3%), and Atlantic (13.3%) Counties. Bergen had the lowest (2.2%) proportion of births to teenage mothers, followed by Sussex (2.5%) and Morris (2.7%). In 1988, women 35 years of age and older gave birth to 10.3 percent of the newborns. There were 1,417 more births to women 35 years of age and over in 1988 than in 1987, a 13.3 percent increase.

Race

Of resident births, 87,572 (74.5%) were reported to occur to white mothers and 25,852 (22.0%) to nonwhite mothers. Similar proportions occurred in the previous year. Since 1970 the proportion of births that were nonwhite has increased about 5 percent, while a comparable decrease has occurred in the proportion of total births that were white. Births of unknown or unrecorded race in 1988 numbered 4,057 (3.4%).

Prenatal Care History

There were 1,104,358 reported visits for prenatal care by women who delivered in 1988. This level of approximately 9.4 visits per patient declined for the third year from 10.5 visits per patient in 1986 and 10.3 visits in 1987. For women giving birth in 1988, 73.1 percent began prenatal care in the first trimester of their pregnancies and only 3.8 percent of those who received prenatal care failed to receive care before the third trimester. Approximately 1.2 percent did not receive any prenatal care.

A greater percentage of white mothers began prenatal care in the first trimester than did nonwhite mothers, and fewer white mothers completed their pregnancies without any prenatal care. Of white mothers, 80.0 percent sought first trimester care. This was a slight decrease from 82.4 percent in 1987 and 82.9 percent in 1986. Nonwhite mothers receiving prenatal care during the first trimester also decreased from 67.7 percent in 1986 and 62.7 percent in 1987 to 60.1 percent in 1988. Nonwhite mothers were over four times more likely not to receive any prenatal care than were white mothers (2.9 percent compared to 0.7 percent). Prenatal care for all age-race groups was lowest for nonwhite teenagers with considerably less than one-half (40.9%) receiving first trimester care, down from 45.2% in 1987 and a 20.9 percent drop from 51.7 percent in 1986. Of nonwhite teenagers 3.9 percent did not receive any prenatal care, identical to the figure in 1986 and slightly higher than the 1987 percent (3.2).

First trimester care was lowest for teenage mothers. Nearly one-half of the childbearing women in this age group, 4,668 (or 44.6%), received prenatal care from the first trimester of pregnancy. Of the 10,472 teenage mothers, 3.1 percent did not receive any prenatal care, and 10.7 percent did not begin prenatal care until the third trimester of pregnancy. There was a deterioration in the rate of

receipt of adequate prenatal care in this age group compared to last year. Data also indicate that attention to prenatal care increases with maternal age. However, deterioration of these rates was also evident. First trimester care was received by 64.3 percent of the women aged 20-24 (down from 67.1 percent in 1987 and 71.0 in 1986) and 79.5 percent of the women 25 years of age and older, down from 83.2 in 1987 and 84.1 in 1986.

Educational Trends

Educational level was reported on 93.8 percent of all birth certificates. About three-fourths (79.1%) of mothers were at least high school graduates. The percentage of college graduates (23.4%) increased from the 1987 level, while the percentage of high school graduates remained essentially unchanged (79.0 percent in 1987). There is an inverse relationship between family size and educational attainment of the mother. Mothers with less education are more likely to already have children when giving birth. Mothers who lack a high school diploma had no previous live births in 41.6 percent of the cases. Among those who completed high school without further education, 43.7 percent had no previous live births. Comparable figures for mothers with some college and with college degrees were 44.5 percent and 47.3 percent, respectively. This relationship becomes more pronounced when comparing mothers who had three or more live births across levels of educational attainment. Of those who earned only a high school diploma, 7.6 percent had three or more live births versus 6.6 percent of mothers with some college and 4.3 percent of mothers with college degrees. Among mothers who never completed high school, 14.6 percent had 3 or more live births.

Attendant at Birth

A physician was in attendance at 97.0 percent of all resident births, while midwives attended 2.5 percent of all births. Midwife attendance increased from 2,020 births in 1987 to 2,886 in 1988. An increase of 48.6 percent occurred among nonwhite mothers assisted by midwives. Midwives attended 1,812 white births, 941 black births, 65 births to other races, and 68 births unknown as to race.

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TABLE-1

NEW JERSEY
RESIDENT BIRTHS BY RACE AND LEGITIMACY
1973-1988

Year	Total Births Number	Total Births Rate	Race		Legitimacy		Legitimacy		Unknown	
			White	Nonwhite	Number	Ratio	Number	Ratio	Number	Ratio
1973	94,024	12.8	74,108	19,190	80,493	85.6	13,526	14.4	5	-
1974	94,242	12.7	74,131	18,485	80,409	85.3	13,825	14.7	8	-
1975	91,457	12.4	71,579	18,248	77,119	84.3	14,333	15.7	5	-
1976	90,549	12.3	70,457	18,611	75,428	83.3	15,115	16.7	6	-
1977	93,786	12.7	72,944	19,249	77,258	82.4	16,524	17.6	4	-
1978	93,356	12.8	71,637	20,128	75,048	80.4	18,273	19.6	35	-
1979	95,672	13.0	73,534	20,373	76,226	79.7	19,411	20.3	35	-
1980	96,438	13.1	73,982	20,886	76,033	78.8	20,371	21.1	34	-
1981	96,205	13.0	74,086	20,416	75,872	78.9	20,297	21.1	36	-
1982	98,225	13.2	75,737	20,763	76,847	78.2	21,354	21.7	24	-
1983	98,746	13.2	76,023	20,885	77,060	78.0	21,663	21.9	23	-
1984	100,950	13.4	77,912	21,116	78,445	77.7	22,437	22.2	68	0.1
1985	105,329	13.9	80,847	22,136	81,214	77.1	23,044	21.9	1,071	1.0
1986	108,444	14.2	83,504	22,642	83,686	77.2	24,632	22.7	126	0.1
1987	113,234	14.8	86,873	23,574	86,594	76.5	26,396	23.3	244	0.2
1988	117,481	15.2	87,572	25,852	88,054	75.0	28,316	24.1	1,111	0.9

TABLE-2

NEW JERSEY
RESIDENT BIRTHS BY AGE OF MOTHER
ACCORDING TO RACE AND SEX
1988

AGE OF MOTHER	TOTAL			WHITE			BLACK			OTHER			UNKNOWN		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
14 OR LESS	234	106	128	74	40	34	155	66	89	2	0	2	5	0	3
15	551	278	273	202	107	95	339	164	175	6	4	2	4	3	1
16	1223	604	619	540	271	269	659	319	340	17	10	7	7	4	3
17	2107	1061	1046	1024	488	536	1044	548	496	25	15	11	13	10	3
18	2907	1471	1436	1542	778	764	1295	657	638	43	19	21	30	17	13
19	3450	1734	1716	2012	1000	1012	1355	695	670	43	25	18	30	14	16
20-24	24723	12553	12170	16693	8476	8217	7037	3615	3482	508	248	260	425	214	211
25-29	38997	19940	19054	30685	15782	14901	5798	2887	2910	1318	659	659	1196	612	584
30-34	31087	16012	15075	25407	13007	12400	3093	1636	1457	1154	609	545	1433	760	673
35-39	12622	5476	5146	8292	4245	4047	1179	629	550	463	249	214	688	353	335
40-44	1396	726	670	1051	557	494	156	82	74	62	33	29	127	54	73
45 OR MORE	51	28	23	24	11	13	9	8	1	5	2	3	13	7	5
UNKNOWN	133	73	59	26	14	12	17	10	7	2	1	1	88	43	39
TOTAL	117481	60062	57415	87572	44776	42794	22236	11316	10889	3646	1874	1772	40572	20951	1960

T = TOTAL M = MALE F = FEMALE
TOTALS MAY INCLUDE BIRTHS UNKNOWN AS TO SEX

TABLE-3

NEW JERSEY
RESIDENT BIRTHS BY AGE OF MOTHER
ACCORDING TO LEGITIMACY AND RACE
1988

AGE OF MOTHER	TOTAL BIRTHS	LEGITIMATE					ILLEGITIMATE					LEGIT JNKN.
		TOTAL	WHITE	BLACK	OTHER	UNKN.	TOTAL	WHITE	BLACK	OTHER	JNKN.	
14 OR LESS	234	4	4	0	0	0	230	70	155	2	3	0
15-19	10238	1938	1639	226	51	22	8279	3675	4471	81	52	21
20-24	24723	14434	11823	1864	436	281	10231	4849	5227	71	84	88
25-34	70084	60998	51829	4783	2369	2017	8445	4135	4095	100	115	641
35-44	12018	10641	8699	912	501	529	1102	624	421	24	33	275
45 OR MORE	51	39	22	6	3	8	7	2	2	2	1	5
UNKNOWN	133	30	18	5	2	5	22	8	12	0	2	81
TOTAL	117481	88054	74034	7796	3362	2862	28316	13363	14383	280	293	1111

TABLE-4

NEW JERSEY
RESIDENT BIRTHS BY AGE AND RACE OF MOTHER ACCORDING TO
MONTH PREGNANCY PRENATAL CARE BEGAN
1988

AGE OF MOTHER	RACE	TOTAL	MONTH OF PREGNANCY PRENATAL CARE BEGAN									JNKN	NONE
			1	2	3	4	5	6	7	8	9		
14 OR LESS	WHITE	74	2	3	15	11	13	8	6	4	0	7	5
	BLACK	155	4	16	27	21	22	26	17	3	1	9	9
	OTHER	2	1	1	0	0	0	0	0	0	0	0	0
	UNKNOWN	3	0	0	0	0	0	0	0	0	0	3	0
15-19	WHITE	5320	443	1077	1078	746	500	425	313	163	73	275	127
	BLACK	4702	337	749	841	719	515	447	272	180	78	278	186
	OTHER	132	14	24	28	22	15	7	5	3	2	10	2
	UNKNOWN	84	0	4	4	3	3	2	0	0	1	67	0
20-24	WHITE	16693	2624	5687	3316	1570	986	660	460	273	143	774	200
	BLACK	7097	746	1695	1453	845	570	466	329	182	77	397	237
	OTHER	508	78	175	91	44	30	20	18	10	9	23	11
	UNKNOWN	425	5	21	11	8	6	1	1	3	0	369	0
25-34	WHITE	56092	13213	25400	9173	2408	1149	769	586	335	170	2663	226
	BLACK	8891	1314	2658	1857	886	500	339	224	152	74	525	262
	OTHER	2472	478	1062	469	147	79	35	32	21	10	115	24
	UNKNOWN	2629	27	107	38	16	8	4	2	0	0	2426	1
35-44	WHITE	9343	2228	4255	1524	400	162	108	85	53	18	470	40
	BLACK	1335	230	445	297	104	65	35	24	21	5	87	22
	OTHER	525	110	216	113	27	10	3	5	5	2	31	2
	UNKNOWN	815	9	27	11	3	1	0	0	0	0	764	0
45 OR MORE	WHITE	24	4	9	5	2	2	1	1	0	0	0	0
	BLACK	9	0	2	2	0	1	0	0	0	0	3	1
	OTHER	5	0	0	0	0	2	1	0	0	0	2	0
	UNKNOWN	13	0	0	0	0	0	0	0	0	0	13	0
UNKNOWN	WHITE	25	4	4	4	5	1	1	0	1	0	6	0
	BLACK	17	0	3	2	0	0	3	3	0	0	6	0
	OTHER	2	0	0	1	0	0	0	0	0	0	1	0
	UNKNOWN	89	0	0	0	0	0	0	0	0	0	89	0
TOTAL		117481	21871	43640	20360	7987	5340	3361	2383	1410	662	9412	1355

AGE OR RACE GROUPS WITHOUT CASES DO NOT APPEAR ON TABLE

TABLE-5
NEW JERSEY
RESIDENT BIRTHS BY AGE OF MOTHER ACCORDING TO
BIRTH WEIGHT GROUPS AND RACE
1988

AGE OF MOTHER	RACE	TOTAL BIRTHS	BIRTH WEIGHT GROUPS										
			A	B	C	D	E	F	G	H	I	J	K
14 OR LESS	WHITE	74	0	0	4	16	22	21	7	2	2	0	0
	BLACK	155	0	0	7	31	47	44	10	6	3	7	0
	OTHER	2	0	0	1	0	1	0	0	0	0	0	0
	UNKNOWN	3	0	0	0	0	0	0	0	0	0	0	3
15-19	WHITE	5320	6	45	318	1364	2136	1025	250	31	40	51	4
	BLACK	4732	0	15	155	810	1843	1234	374	114	63	37	2
	OTHER	132	0	1	5	25	51	34	9	4	2	1	0
	UNKNOWN	84	0	0	3	5	5	7	0	0	0	0	64
20-24	WHITE	16693	27	264	1443	4964	5383	2686	581	171	100	58	6
	BLACK	7097	5	40	287	1394	2703	1635	573	187	102	107	9
	OTHER	508	0	3	15	99	213	137	29	7	3	2	0
	UNKNOWN	425	0	0	4	21	30	13	1	0	0	1	355
25-34	WHITE	56092	153	1191	6021	18432	20117	7314	1824	519	242	236	43
	BLACK	8891	13	81	488	1914	3159	2037	680	226	142	147	4
	OTHER	2472	3	15	105	560	1072	573	106	27	7	2	2
	UNKNOWN	2629	1	3	26	74	99	51	9	1	2	1	2362
35-44	WHITE	9343	37	246	1063	2992	3204	1245	333	112	45	55	11
	BLACK	1335	4	24	101	298	460	254	100	45	19	29	1
	OTHER	525	1	7	42	143	201	97	29	2	3	0	0
	UNKNOWN	815	0	0	7	20	22	7	4	1	0	1	753
45 OR MORE	WHITE	24	0	1	0	9	6	4	3	0	0	0	1
	BLACK	9	0	0	1	2	3	2	0	1	0	0	0
	OTHER	5	0	0	0	0	2	2	1	0	0	0	0
	UNKNOWN	13	0	0	0	0	0	0	0	0	0	0	13
UNKNOWN	WHITE	26	0	0	3	7	5	6	1	0	1	2	1
	BLACK	17	0	0	2	6	3	4	0	0	0	0	0
	OTHER	2	0	0	0	0	1	1	0	0	0	0	0
	UNKNOWN	38	0	0	0	1	1	1	0	0	0	0	85
TOTAL		117481	250	1936	10101	33187	41794	18434	4924	1506	782	797	3720

A = 11 LBS OR MORE (5001 OR MORE GRAMS)
 B = 9 LBS 15 OZS-11 LBS (4501-5000 GRAMS)
 C = 8 LBS 14 OZS- 9 LBS 14 OZS (4001-4500 GRAMS)
 D = 7 LBS 12 OZS- 8 LBS 13 OZS (3501-4000 GRAMS)
 E = 6 LBS 10 OZS- 7 LBS 11 OZS (3001-3500 GRAMS)
 F = 5 LBS 9 OZS- 6 LBS 9 OZS (2501-3000 GRAMS)

G = 4 LBS 7 OZS-5 LBS 8 OZS (2001-2500 GRAMS)
 H = 3 LBS 5 OZS-4 LBS 6 OZS (1501-2000 GRAMS)
 I = 2 LBS 4 OZS-3 LBS 4 OZS (1001-1500 GRAMS)
 J = 2 LBS 3 OZS OR LESS (1000 OR LESS GRAMS)
 K = WEIGHT NOT STATED

TABLE-6
NEW JERSEY
RESIDENT BIRTHS BY AGE AND RACE OF MOTHER ACCORDING TO
APGAR SCORE ~~PERCENTAGE~~
1988

AGE OF MOTHER	RACE	TOTAL	APGAR SCORE (5 MINUTES)											
			0	1	2	3	4	5	6	7	8	9	10	UNKN
14 OR LESS	WHITE	74	0	1	0	0	0	0	2	0	5	50	15	1
	BLACK	155	4	1	1	0	0	0	3	1	12	116	17	0
	OTHER	2	0	0	0	0	0	0	0	0	0	2	0	0
	UNKNOWN	3	0	0	0	0	0	0	0	0	0	0	0	3
15-19	WHITE	5320	6	12	7	3	6	15	30	69	344	3811	953	64
	BLACK	4702	9	24	7	9	11	21	31	85	290	3651	539	55
	OTHER	132	0	0	1	0	0	0	0	1	6	102	19	3
	UNKNOWN	84	0	0	0	0	0	0	1	0	2	13	3	65
20-24	WHITE	16693	12	25	11	13	24	25	52	140	352	11765	3534	270
	BLACK	7097	18	27	16	10	13	25	50	105	478	5401	850	93
	OTHER	508	0	1	0	1	0	0	2	8	28	338	124	6
	UNKNOWN	425	0	0	0	0	0	0	1	0	3	42	18	361
25-34	WHITE	56092	38	69	24	33	44	96	176	443	2539	33873	12352	1435
	BLACK	8891	37	31	14	13	18	41	74	147	586	6519	1259	137
	OTHER	2472	0	1	1	1	1	2	6	14	79	1561	778	28
	UNKNOWN	2629	0	1	0	0	0	1	0	1	10	151	31	2384
35-44	WHITE	9343	9	17	10	7	6	14	33	87	445	5461	1954	300
	BLACK	1335	0	4	3	5	7	6	16	29	99	936	236	24
	OTHER	525	0	0	1	0	1	2	0	2	22	357	133	7
	UNKNOWN	815	1	0	0	0	0	0	0	2	2	32	20	758
45 OR MORE	WHITE	24	0	0	0	0	0	0	0	0	1	8	0	0
	BLACK	9	0	0	0	0	0	0	0	0	0	4	1	0
	OTHER	5	0	0	0	0	0	0	0	0	0	0	0	13
	UNKNOWN	13	0	0	0	0	0	0	0	0	0	0	0	3
UNKNOWN	WHITE	25	0	2	0	0	1	1	1	0	1	12	5	1
	BLACK	17	0	0	0	0	0	0	0	0	0	1	0	1
	OTHER	2	0	0	0	0	0	0	0	0	0	0	0	88
	UNKNOWN	83	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	117481	134	216	96	101	132	250	479	1135	5775	80233	22828	6102	

AGE OR RACE GROUPS WITHOUT CASES DO NOT APPEAR ON TABLE

TABLE-7
NEW JERSEY
RESIDENT BIRTHS BY AGE OF MOTHER ACCORDING TO
BIRTH WEIGHT AND APGAR SCORE
1988

AGE OF MOTHER	TOTAL BIRTHS	BIRTH WEIGHT			APGAR SCORE (5 MINUTES)		
		5 LBS 8 OZ (2500 GMS) OR LESS	5 LBS 9 OZ (2501 GMS) OR MORE	WEIGHT UNKNOWN	0-6	7-10	UNKN.
14 OR LESS	234	37	194	3	12	218	4
15-19	12238	1081	9087	70	193	9858	187
20-24	24723	1932	22421	370	327	23666	730
25-34	70084	4171	63302	2411	727	65373	3984
35-44	12018	778	10475	765	142	10787	1089
45 OR MORE	51	5	32	14	1	35	15
UNKNOWN	133	5	41	87	6	34	93
TOTAL	117481	8009	105752	3720	1408	109971	6102

TABLE-8
NEW JERSEY
RESIDENT BIRTHS BY RACE ACCORDING TO
BIRTH WEIGHT AND APGAR SCORE
1988

RACE	TOTAL BIRTHS	BIRTH WEIGHT			APGAR SCORE (5 MINUTES)		
		5 LBS 8 OZ (2500 GMS) OR LESS	5 LBS 9 OZ (2501 GMS) OR MORE	WEIGHT UNKNOWN	0-6	7-10	UNKN.
WHITE	87572	4726	82780	66	826	84671	2075
BLACK	22206	3029	19161	17	556	21340	310
OTHER	3646	234	3410	2	21	3580	45
UNKNOWN	4057	21	401	3635	5	380	3672
TOTAL	117481	8009	105752	3720	1408	109971	6102

TABLE-9
NEW JERSEY
RESIDENT BIRTHS BY MONTH PRENATAL CARE BEGAN ACCORDING TO
BIRTH WEIGHT AND APGAR SCORE
1988

MONTH CARE BEGAN	TOTAL BIRTHS	BIRTH WEIGHT			APGAR SCORE (5 MINUTES)		
		5 LBS 8 OZ (2500 GMS) OR LESS	5 LBS 9 OZ (2501 GMS) OR MORE	WEIGHT UNKNOWN	1-6	7-10	UNKN.
		-----	-----	-----	-----	-----	-----
1	21871	1358	20500	13	247	21554	70
2	43640	2434	41179	27	436	43091	113
3	20360	1328	19025	7	240	20049	71
4	7987	671	7312	4	100	7849	38
5	5040	439	4600	1	66	4942	32
6	33611	300	3059	2	41	3294	26
7	2383	199	2183	1	33	2323	27
8	1410	123	1287	0	19	1378	13
9	662	45	617	0	5	651	6
NO CARE	1355	423	930	2	105	1196	54
UNKNOWN	9412	689	5060	3663	116	3644	5652
TOTAL	117481	8009	105752	3720	1408	109971	6102

TABLE-10
NEW JERSEY
RESIDENT BIRTHS BY NUMBER OF PREVIOUS PREGNANCY TERMINATIONS ACCORDING TO
BIRTH WEIGHT AND APGAR SCORE
1988

NUMBER OF PREVIOUS TERMINATIONS	TOTAL BIRTHS	BIRTH WEIGHT			APGAR SCORE (5 MINUTES)		
		5 LBS 8 OZ (2500 GMS) OR LESS	5 LBS 9 OZ (2501 GMS) OR MORE	WEIGHT UNKNOWN	1-6	7-10	UNKN.
		-----	-----	-----	-----	-----	-----
0	84701	5675	78981	45	1005	83282	414
1	18021	1299	16710	12	232	17716	73
2	6082	532	5547	3	95	5967	20
3	1886	200	1686	0	47	1832	7
OVER 3	848	114	734	0	23	821	4
UNKNOWN	5943	189	2094	3660	6	353	5584
TOTAL	117481	8009	105752	3720	1408	109971	6102

TABLE-11
NEW JERSEY
RESIDENT BIRTHS BY AGE OF MOTHER ACCORDING TO
PREVIOUS NUMBER OF LIVE BIRTHS
1988

AGE OF MOTHER	TOTAL	PREVIOUS NUMBER OF LIVE BIRTHS					UNKN.
		0	1	2	3	OVER 3	
14 OR LESS	234	227	3	0	0	0	4
15 - 19	10238	7794	1852	375	68	9	140
20 - 24	24723	12710	7331	2888	829	332	533
25 - 29	38997	17024	12497	5193	1615	834	1834
30 - 34	31087	9309	11213	5719	1821	1004	2021
35 - 39	10622	2319	3315	2383	1010	704	891
40 OR MORE	1447	269	332	287	183	202	174
UNKNOWN	133	18	14	3	5	2	91
TOTAL	117481	49670	36557	16848	5531	3087	5788

TABLE-12
NEW JERSEY
RESIDENT BIRTHS BY EDUCATIONAL LEVEL OF MOTHER ACCORDING TO
PREVIOUS NUMBER OF LIVE BIRTHS
1988

EDUCATIONAL LEVEL OF MOTHER	TOTAL	PREVIOUS NUMBER OF LIVE BIRTHS					UNKN.
		0	1	2	3	OVER 3	
A. GRAMMAR SCHOOL	3436	1248	891	685	330	278	4
B. SOME HIGH SCHOOL	13934	5982	3683	2321	1094	841	13
C. HIGH SCHOOL GRADUATE	45481	19855	14931	7192	2263	1172	68
D. SOME COLLEGE	19959	8873	6786	2947	906	411	36
E. COLLEGE GRADUATE	27485	12994	9803	3473	844	331	40
F. UNKNOWN	7186	718	463	230	94	54	5627
TOTAL	117481	49670	36557	16848	5531	3087	5788

TABLE-13

NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO RACE AND SEX
1988

COUNTY OF RESIDENCE	TOTAL			WHITE			BLACK			OTHER			UNKNOWN		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
ATLANTIC	3725	1880	1845	2626	1315	1311	978	502	476	82	47	35	39	16	23
BERGEN	9934	5134	4800	7849	4067	3782	536	275	261	582	295	287	967	497	470
BURLINGTON	5688	2923	2765	4551	2340	2211	836	425	411	142	75	67	159	83	76
CAMDEN	3507	4321	4186	6262	3189	3073	1788	880	908	151	92	59	306	160	146
CAPE MAY	1388	722	666	1233	638	595	125	70	55	12	7	5	18	7	11
CUMBERLAND	2297	1174	1123	1645	835	810	589	307	282	29	16	13	34	16	18
ESSEX	13800	6959	6841	6262	3148	3114	6981	3513	3468	264	131	133	293	167	126
GLOUCESTER	3430	1795	1635	2918	1520	1398	364	197	167	31	17	14	117	61	56
HUDSON	9187	4685	4502	6032	3030	3002	2100	1099	1001	536	283	253	519	273	246
HUNTERDON	1468	729	739	1408	698	710	12	3	9	14	9	5	34	19	15
MERCER	5072	2611	2461	3369	1722	1647	1470	771	699	156	76	80	77	42	35
MIDDLESEX	9824	5093	4730	7994	4149	3844	1032	503	499	526	267	259	302	174	128
MONMOUTH	8069	4148	3920	6546	3381	3165	1073	541	532	193	133	90	257	123	133
MORRIS	5688	2958	2730	5198	2698	2500	169	90	79	206	139	97	115	61	54
OCEAN	5943	2991	2951	5504	2784	2719	248	116	132	51	27	24	140	64	76
PASSAIC	7995	4039	3956	5928	2983	2945	1641	855	786	286	135	151	140	66	74
SALEM	894	463	431	548	280	268	233	104	99	8	3	5	135	76	59
SOMERSET	3505	1835	1670	3036	1587	1449	250	134	116	149	32	67	70	32	38
SUSSEX	2169	1104	1065	2014	1024	990	13	8	5	20	10	10	122	62	60
UNION	7295	3680	3614	5178	2625	2553	1774	895	878	195	95	110	148	75	73
WARREN	1479	759	720	1385	721	664	21	12	9	10	4	6	63	22	41
STATE INST	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
MILITARY	123	59	64	86	42	44	32	16	16	3	1	2	2	0	2
TOTAL	117481	60062	57415	87572	44776	42794	22236	11316	10889	3646	1874	1772	40572	20961	1960

T = TOTAL M = MALE F = FEMALE
TOTALS MAY INCLUDE BIRTHS UNKNOWN AS TO SEX

TABLE-14

NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO LEGITIMACY AND RACE
1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	LEGITIMATE					ILLEGITIMATE					LEGIT UNKN.
		TOTAL	WHITE	BLACK	OTHER	UNKN.	TOTAL	WHITE	BLACK	OTHER	UNKN.	
ATLANTIC	3725	2404	2064	240	65	35	1318	560	737	17	4	3
BERGEN	9934	8892	7359	310	572	651	740	474	224	10	32	302
BURLINGTON	5688	4680	3934	479	128	139	990	609	355	13	13	18
CAMDEN	8507	5685	4799	483	132	271	2794	1443	1303	18	30	28
CAPE MAY	1388	1041	985	31	11	14	345	247	93	1	4	2
CUMBERLAND	2297	1220	1049	125	19	27	1075	595	464	10	5	2
ESSEX	13800	7599	4927	2271	239	162	6098	1331	4706	25	36	103
GLOUCESTER	3430	2712	2438	141	25	108	706	471	223	6	6	12
HUDSON	9187	5871	4347	755	468	301	3133	1680	1343	68	42	183
HUNTERDON	1468	1364	1317	5	14	28	97	88	7	0	2	7
MERCER	5072	3394	2847	350	141	56	1663	518	1120	14	11	15
MIDDLESEX	9824	8298	7034	544	514	206	1431	950	457	12	12	95
MONMOUTH	8069	6625	5810	460	186	169	1358	732	610	7	9	86
MORRIS	5688	5210	4837	91	202	80	444	353	78	4	9	34
OCEAN	5943	5016	4782	93	41	100	888	719	155	10	4	39
PASSAIC	7995	5490	4662	485	241	102	2455	1251	1156	4	4	50
SALEM	894	556	404	39	5	108	320	127	164	3	26	18
SOMERSET	3505	3172	2837	139	143	53	313	193	111	6	3	20
SUSSEX	2169	1996	1853	11	19	113	134	130	1	1	2	39
UNION	7295	5449	4476	706	185	82	1793	696	1060	10	27	53
WARREN	1479	1270	1193	13	9	55	207	190	8	1	8	2
STATE INST	1	0	0	0	0	0	1	0	1	0	0	0
MILITARY	123	110	80	25	3	2	13	6	7	0	0	0
TOTAL	117481	88054	74034	7796	3362	2862	28316	13363	14383	280	290	1111

TABLE-15
NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO AGE OF MOTHER
1988

COUNTY OF RESIDENCE	TOTAL	AGE OF MOTHER												UNK
		14 OR LESS	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	
ATLANTIC	3725	17	31	53	109	136	148	1003	1233	747	207	31	1	9
BERGEN	9934	0	8	16	39	63	97	1247	3382	3523	1331	191	10	27
BURLINGTON	5688	6	18	38	83	135	152	1243	2045	1430	478	56	1	3
CAMDEN	8507	24	71	140	246	282	314	2045	2846	1885	574	73	3	4
CAPE MAY	1388	2	5	12	22	48	57	386	474	295	80	7	0	0
CUMBERLAND	2297	17	23	63	100	118	136	721	639	348	115	15	0	2
ESSEX	13800	42	125	250	403	537	612	3597	3961	2948	1132	172	8	13
GLOUCESTER	3430	6	10	25	49	132	112	758	1279	845	217	24	1	2
HUDSON	9187	22	64	144	192	290	332	2374	2961	1930	726	126	7	19
HUNTERDON	1468	1	1	1	6	14	18	150	529	517	213	17	0	1
MERCER	5072	29	30	74	147	177	187	1067	1587	1240	467	61	0	6
MIDDLESEX	9824	9	23	51	116	151	209	1748	3590	2909	895	110	1	12
MONMOUTH	8069	12	17	55	105	163	192	1347	2711	2505	873	100	2	7
MORRIS	5688	1	3	9	26	44	68	763	1877	2063	738	86	6	4
OCEAN	5943	3	17	37	62	101	151	1389	2095	1563	467	54	1	3
PASSAIC	7995	23	52	129	197	279	299	2040	2524	1770	589	83	4	6
SALEM	894	5	5	11	33	39	49	274	267	161	45	5	0	0
SOMERSET	3505	3	4	10	26	30	53	433	1234	1254	407	50	0	1
SUSSEX	2169	0	1	7	7	20	20	336	879	657	215	27	0	0
UNION	7295	9	39	85	124	168	203	1463	2296	2066	732	92	4	14
WARREN	1479	3	4	13	12	30	39	297	544	405	114	16	2	0
STATE INST	1	0	0	0	0	0	0	0	0	1	0	0	0	0
MILITARY	123	0	0	0	3	0	2	42	44	25	7	0	0	0
TOTAL	117481	234	551	1223	2107	2907	3450	24723	38997	31087	10622	1396	51	133

TABLE-16
NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO
MONTH PREGNANCY PRENATAL CARE BEGAN
1988

COUNTY OF RESIDENCE	NUMBER OF VISITS		NO PREN CARE	MONTH OF PREGNANCY PRENATAL CARE BEGAN									UNKN
	TOTAL	UNKN		1	2	3	4	5	6	7	8	9	
ATLANTIC	35016	126	48	368	1068	975	413	274	159	140	58	26	196
BERGEN	131632	1335	72	2043	4446	1537	299	128	73	65	41	23	1207
BURLINGTON	58535	222	26	1056	2161	973	371	236	129	84	67	24	561
CAMDEN	31819	373	186	1260	2789	1541	632	403	266	212	99	52	1067
CAPE MAY	12073	35	8	80	467	392	141	90	47	45	31	15	72
CUMBERLAND	21323	83	35	216	531	488	318	218	148	127	66	24	126
ESSEX	143018	446	193	2465	4902	2623	1153	793	486	307	159	69	550
GLOUCESTER	38213	119	18	619	1285	564	135	142	92	52	35	25	413
HUDSON	37861	1148	110	1751	2863	1396	757	526	373	220	117	65	999
HUNTERDON	16406	62	2	206	808	223	56	17	12	16	13	4	111
MERCER	52997	305	47	1235	1795	758	340	257	168	106	61	23	282
MIDDLESEX	107954	424	56	2745	3740	1418	512	343	217	140	116	53	484
MONMOUTH	87207	304	58	1035	2707	1760	530	316	304	259	163	77	860
MORRIS	65947	214	12	1296	3039	809	166	99	48	26	19	12	162
OCEAN	59885	188	33	1075	2375	1193	439	237	157	94	76	22	242
PASSAIC	71231	404	363	1328	2528	1317	756	435	352	247	149	72	448
SALEM	7497	122	10	50	192	160	93	67	47	41	13	6	215
SOMERSET	39265	245	5	979	1586	462	127	44	33	24	12	5	228
SUSSEX	23049	143	4	359	1061	327	77	57	32	22	10	10	210
UNION	76414	370	64	1505	2593	1168	531	308	188	129	94	47	668
WARREN	16053	82	5	196	669	237	59	42	22	23	9	7	200
STATE INST	0	1	0	0	0	0	0	0	0	0	0	0	1
MILITARY	963	7	0	4	35	39	12	8	8	4	2	1	10
TOTAL	1204358	6758	1355	21871	43640	20360	7987	5040	3361	2383	1410	662	9412

TABLE-17

NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO BIRTH WEIGHT GROUPS
1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	BIRTH WEIGHT GROUPS										
		A	B	C	D	E	F	G	H	I	J	K
ATLANTIC	3725	11	57	326	1045	1391	592	164	51	27	27	34
BERGEN	9934	21	192	910	2806	3425	1295	304	76	45	32	828
BURLINGTON	5688	8	106	516	1673	2021	821	235	85	29	35	159
CAMDEN	8507	17	132	701	2333	3000	1424	371	101	55	68	305
CAPE MAY	1388	2	43	142	433	479	205	43	12	7	5	17
CUMBERLAND	2297	7	49	187	622	832	396	100	30	28	19	27
ESSEX	13800	25	168	910	3304	4998	2684	848	265	148	159	281
GLOUCESTER	3430	12	71	319	1036	1198	496	122	21	18	20	117
HUDSON	9187	17	90	567	2229	3324	1698	477	155	72	69	489
HUNTERDON	1468	2	37	153	524	497	164	36	13	4	6	32
MERCER	5072	8	80	432	1376	1872	944	239	76	41	39	65
MIDDLESEX	9824	24	160	889	2985	3425	1467	366	104	58	59	287
MONMOUTH	3069	16	148	779	2372	2878	1146	289	95	52	41	253
MORRIS	5688	10	115	628	1860	1971	742	166	59	25	31	81
OCEAN	5943	13	119	577	1838	2144	797	185	71	27	35	137
PASSAIC	7995	14	94	616	2211	2907	1413	395	112	57	61	115
SALEM	894	2	15	81	209	259	139	35	12	3	4	135
SOMERSET	3505	11	77	362	1098	1257	473	112	37	7	15	56
SUSSEX	2169	5	46	228	703	735	245	62	20	10	5	110
UNION	7295	19	103	600	2034	2632	1230	333	102	60	52	130
WARREN	1679	5	30	168	464	504	193	35	7	8	5	60
STATE INST	1	0	0	0	0	0	0	1	0	0	0	0
MILITARY	123	1	4	10	32	45	20	6	2	1	0	2
TOTAL	117481	250	1936	10101	33187	41794	18484	4924	1506	782	797	3720

A = 11 LBS OR MORE (5001 OR MORE GRAMS)

B = 9 LBS 15 OZS-11 LBS (4501-5000 GRAMS)

C = 8 LBS 14 OZS- 9 LBS 14 OZS (4001-4500 GRAMS)

D = 7 LBS 12 OZS- 8 LBS 13 OZS (3501-4000 GRAMS)

E = 6 LBS 10 OZS- 7 LBS 11 OZS (3001-3500 GRAMS)

F = 5 LBS 9 OZS- 6 LBS 9 OZS (2501-3000 GRAMS)

G = 4 LBS 7 OZS-5 LBS 8 OZS (2001-2500 GRAMS)

H = 3 LBS 5 OZS-4 LBS 6 OZS (1501-2000 GRAMS)

I = 2 LBS 4 OZS-3 LBS 4 OZS (1001-1500 GRAMS)

J = 2 LBS 3 OZS OR LESS (1000 OR LESS GRAMS)

K = WEIGHT NOT STATED

TABLE-18

NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO APGAR SCORE (5 MINUTES)
1988

COUNTY OF RESIDENCE	TOTAL	APGAR SCORE (5 MINUTES)											
		0	1	2	3	4	5	6	7	8	9	10	UNKN.
ATLANTIC	3725	3	9	3	5	5	7	17	57	255	2724	526	114
BERGEN	9934	7	15	6	4	2	17	31	48	210	4125	4569	900
BURLINGTON	5688	6	10	7	5	6	12	18	48	349	3993	755	479
CAMDEN	8507	7	18	7	11	19	28	44	67	515	6348	470	973
CAPE MAY	1388	2	0	2	1	1	3	6	11	65	529	706	62
CUMBERLAND	2297	5	2	5	2	4	12	14	34	83	1354	707	75
ESSEX	13800	33	34	14	20	24	33	73	212	781	10861	1365	350
GLOUCESTER	3430	2	5	2	2	2	7	17	37	208	2478	276	394
HUDSON	9187	7	18	7	8	4	16	24	59	246	4420	3831	547
HUNTERDON	1468	0	2	0	1	2	2	2	17	88	972	297	95
MERCER	5072	4	10	7	5	6	6	17	44	292	3702	827	152
MIDDLESEX	9824	8	17	7	6	13	17	35	73	412	7601	1298	337
MONMOUTH	3069	10	11	2	9	8	9	30	93	417	6668	501	311
MORRIS	5688	1	15	3	4	6	11	21	55	290	3839	1338	105
OCEAN	5943	6	11	3	4	5	21	15	56	288	4488	868	178
PASSAIC	7995	19	17	8	6	12	22	45	83	560	5507	1538	178
SALEM	894	1	2	1	1	0	4	2	5	38	485	134	221
SOMERSET	3505	3	3	2	2	5	3	17	30	215	2664	493	68
SUSSEX	2169	1	0	1	0	0	2	9	15	89	1300	554	198
UNION	7295	7	17	8	5	7	16	38	82	317	5503	1115	180
WARREN	1679	2	0	1	0	1	2	4	6	47	573	653	190
STATE INST	1	0	0	0	0	0	0	0	0	0	1	0	0
MILITARY	123	0	0	0	0	0	0	0	3	10	98	7	5
TOTAL	117481	134	216	96	101	132	250	479	1135	5775	80233	22828	6102

TABLE-19
NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO ATTENDANT AND RACE
1988

COUNTY OF RESIDENCE	TOTAL BIRTHS	PHYSICIAN				ATTENDANT MIDWIFE				OTHER				UNKNOWN			
		TOTAL	WHITE	BLACK	OTH	TOT	WH	BLK	OTH	TOT	WH	BLK	OTH	TOT	WH	BLK	OTH
ATLANTIC	3725	3624*	2564	945	79	93	59	31	3	4	3	1	0	4*	0	1	0
BERGEN	9934	9808*	7769	530	575	93*	74	6	6	9*	5	2	0	24*	1	0	1
BURLINGTON	5688	5614*	4492	830	142	38*	35	0	0	13	10	3	0	23*	13	3	0
CAMDEN	8507	8414*	6207	1773	150	50*	37	4	1	21*	10	10	0	22*	8	1	0
CAPE MAY	1388	1369*	1217	123	12	14*	11	2	0	5	5	0	0	0	0	0	0
CUMBERLAND	2297	1846*	1305	482	25	442	333	105	4	4	3	1	0	5	4	1	0
ESSEX	13800	13329*	6158	6631	264	426*	89	329	0	27*	9	17	0	18*	6	4	0
GLOUCESTER	3430	3336*	2845	349	30	79*	67	8	1	11	4	7	0	4*	2	0	0
HUDSON	9187	8740*	5790	1943	514	423*	235	156	22	10*	5	1	0	14*	2	0	0
HUNTERDON	1468	1412*	1355	11	14	46	45	1	0	4	4	0	0	5*	4	0	0
MERCER	5072	4574*	3103	1257	144	475*	254	204	12	16	7	9	0	7*	5	0	0
MIDDLESEX	9824	9699*	7891	994	522	43*	37	1	2	57	49	6	2	25*	17	1	0
MONMOUTH	8069	7940*	6449	1057	191	43*	34	4	0	76	62	12	2	10*	1	0	0
MORRIS	5688	5496*	5026	160	200	176*	161	9	5	8	7	0	1	8*	4	0	0
OCEAN	5943	5850*	5420	246	49	52	49	2	1	33	32	0	1	8*	3	0	0
PASSAIC	7995	7849*	5831	1604	281	118*	79	33	5	17	16	1	0	11*	3	3	0
SALEM	894	862*	530	195	8	29*	17	7	0	2	1	1	0	1*	0	0	0
SOMERSET	3505	3453*	2988	249	147	30*	29	0	0	16	14	0	2	6*	5	1	0
SUSSEX	2169	2116*	1968	13	20	40	40	0	0	6*	5	0	0	7*	1	0	0
UNION	7295	7108*	5058	1717	190	147*	101	41	3	5	3	2	0	35*	16	14	2
WARREN	1479	1445*	1356	21	10	29*	25	0	0	3	3	0	0	2*	0	0	0
STATE INST	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MILITARY	123	121*	84	32	3	0	0	0	0	0	0	0	0	2	2	0	0
TOTAL	117481	114006	85406	21163	3570	2886	1812	941	65	347	257	73	8	242	97	29	3

* TOTAL INCLUDES BIRTHS UNKNOWN AS TO RACE

TABLE-20
NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO MONTH
1988

COUNTY OF RESIDENCE	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNKN
ATLANTIC	3725	300	271	291	266	291	329	368	338	353	334	290	294	0
BERGEN	9934	773	707	878	777	829	844	901	894	902	891	760	778	0
BURLINGTON	5688	423	393	425	491	522	495	529	512	493	482	464	458	0
CAMDEN	8507	683	619	691	698	760	789	755	750	772	665	519	706	0
CAPE MAY	1388	108	111	120	116	114	115	118	124	124	102	110	126	0
CUMBERLAND	2297	213	173	191	190	170	189	196	210	203	189	172	201	0
ESSEX	13800	1116	1073	1147	1074	1064	1185	1283	1195	1229	1161	1145	1127	0
GLOUCESTER	3430	280	257	291	277	314	303	295	273	264	315	276	284	0
HUDSON	9187	795	637	728	719	756	754	846	805	817	799	724	807	0
HUNTERDON	1468	103	107	108	122	143	131	138	116	133	123	114	125	0
MERCER	5072	411	403	399	423	460	430	425	444	465	430	399	383	0
MIDDLESEX	9824	770	765	818	768	871	845	860	864	880	845	717	820	0
MONMOUTH	8069	639	622	714	604	580	704	761	735	708	614	612	676	0
MORRIS	5688	431	428	487	471	509	534	501	518	465	497	419	428	0
OCEAN	5943	469	459	490	482	522	514	542	517	507	507	466	468	0
PASSAIC	7995	626	599	645	611	594	688	663	741	713	657	551	707	0
SALEM	894	68	58	87	58	82	93	84	83	73	79	57	72	0
SOMERSET	3505	250	292	284	308	303	306	295	324	301	289	263	290	0
SUSSEX	2169	164	165	182	164	173	200	213	190	202	185	164	167	0
UNION	7295	580	546	598	573	595	627	646	653	656	665	597	558	0
WARREN	1479	104	115	134	110	129	120	130	132	128	132	110	135	0
STATE INST	1	0	0	0	1	0	0	0	0	0	0	0	0	0
MILITARY	123	17	31	20	8	5	0	3	15	11	2	1	10	0
TOTAL	117481	9323	8831	9728	9311	9986	10197	10552	10434	10399	9970	9130	9620	0

TABLE-21

NEW JERSEY
RESIDENT BIRTHS BY COUNTY ACCORDING TO PLURALITY
1988

COUNTY OF RESIDENCE	TOTAL	SINGLE	TWIN	TRIPLETS AND OTHER	UNKNOWN
ATLANTIC	3725	3654	62	9	0
BERGEN	9934	9697	228	5	4
BURLINGTON	5688	5543	135	7	3
CAMDEN	3507	3338	195	3	1
CAPE MAY	1388	1360	28	0	0
CUMBERLAND	2297	2246	50	0	1
ESSEX	13800	13472	315	12	1
GLOUCESTER	3430	3362	65	3	0
HUDSON	9187	9010	173	3	1
HUNTERDON	1468	1426	32	9	1
MERCER	5072	4935	134	3	0
MIDDLESEX	9824	9578	244	0	2
MONMOUTH	3069	2844	222	3	0
MORRIS	5688	5549	123	16	0
OCEAN	5943	5797	143	2	1
PASSAIC	7995	7834	186	4	1
SALEM	894	876	14	3	1
SOMERSET	3505	3429	73	3	0
SUSSEX	2169	2118	51	0	0
UNION	7295	7139	177	9	0
WARREN	1479	1455	23	0	1
STATE INST	1	1	0	0	0
MILITARY	123	120	2	0	1
TOTAL	117481	114693	2675	94	19

TABLE-22

NEW JERSEY
RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

ATLANTIC COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ABSECON CITY	243	121	122	0	212	23	5	3	204	39	0
ATLANTIC CITY	917	484	433	0	317	566	32	2	263	653	1
BRIGANTINE CITY	164	85	79	0	141	15	6	2	114	49	1
BUENA BORO	52	25	27	0	46	4	1	1	37	15	0
BUENA VISTA TWP	88	43	45	0	69	17	0	2	64	24	0
CORBIN CITY	2	1	1	0	1	0	0	1	2	0	0
EGG HARBOR CITY	124	58	66	0	100	22	2	0	92	32	0
EGG HARBOR TWP	296	148	148	0	261	31	4	0	233	63	0
ESTELL MANOR CITY	19	13	6	0	19	0	0	0	18	1	0
FOLSOM BORO	17	9	8	0	17	0	0	0	15	2	0
GALLOWAY TWP	263	133	130	0	242	13	6	2	222	41	0
HAMILTON TWP	294	132	162	0	241	42	7	4	241	53	0
HAMMONTON TOWN	219	104	115	0	197	14	4	4	170	49	0
LINWOOD CITY	106	46	60	0	100	1	0	5	101	5	0
LONGPORT BORO	7	5	2	0	6	0	0	1	7	0	0
MARGATE CITY	65	42	23	0	63	0	1	1	51	14	0
MULLICA TWP	38	20	18	0	31	5	0	2	33	5	0
NORTHFIELD CITY	94	45	49	0	88	2	1	3	82	12	0
PLEASANTVILLE CITY	366	190	176	0	154	206	4	2	169	197	0
PORT REPUBLIC CITY	10	4	6	0	9	0	1	0	10	0	0
SOMERS POINT CITY	182	88	94	0	168	11	3	0	146	36	0
VENTNOR CITY	130	69	61	0	118	5	4	3	107	22	1
WEYMOUTH TWP	29	15	14	0	26	1	1	1	23	6	0
TOTAL ATLANTIC	3725	1880	1845	0	2626	978	82	39	2404	1318	1

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

BERGEN

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ALLENDALE BORO	66	38	28	0	63	0	1	2	64	1	1
ALPINE BORO	22	14	8	0	15	0	1	6	22	0	0
BERGENFIELD BORO	334	172	162	0	271	13	27	23	314	15	5
BOGOTA BORO	100	51	49	0	86	5	5	4	92	6	2
CARLSTADT BORO	79	37	42	0	69	3	3	4	73	6	0
CLIFFSIDE PARK BORO	247	125	122	0	179	6	24	38	205	25	17
CLOSTER BORO	80	46	34	0	57	0	7	16	76	1	3
CRESSKILL BORO	61	30	31	0	40	1	11	9	59	0	2
DEMAREST BORO	39	14	25	0	30	0	6	3	37	0	2
DUMONT BORO	219	106	113	0	185	1	12	21	202	10	7
EAST RUTHERFORD BORO	126	58	68	0	108	4	7	7	112	13	1
EDGEWATER BORO	78	39	39	0	50	3	2	23	61	11	6
ELMWOOD PARK BORO	199	104	95	0	184	2	10	3	178	21	0
EMERSON BORO	89	44	45	0	69	0	5	15	86	2	1
ENGLEWOOD CITY	359	197	162	0	170	132	6	51	247	90	22
ENGLEWOOD CLIFFS BORO	34	14	20	0	19	0	5	10	32	0	2
FAIR LAWN BORO	269	146	123	0	237	2	9	21	253	11	5
FAIRVIEW BORO	176	90	86	0	149	5	10	12	154	17	5
FORT LEE BORO	364	188	176	0	171	3	83	107	298	17	49
FRANKLIN LAKES BORO	86	46	40	0	77	0	2	7	83	1	2
GARFIELD CITY	378	182	196	0	351	7	9	11	344	32	2
GLEN ROCK BORO	145	76	69	0	125	5	7	8	137	5	3
HACKENSACK CITY	526	268	258	0	334	128	26	38	393	122	11
HARRINGTON PARK BORO	49	24	25	0	42	0	1	6	48	0	1
HASBROUCK HEIGHTS BORO	129	70	59	0	109	6	4	10	118	7	4
HAWORTH BORO	36	17	19	0	27	1	1	7	31	2	3
HILLSDALE BORO	127	67	60	0	104	0	6	17	117	7	3
HOHOKUS BORO	53	25	28	0	50	0	2	1	52	1	0
LEONIA BORO	79	33	46	0	49	4	11	15	72	3	4
LITTLE FERRY BORO	157	88	69	0	119	7	17	14	149	5	3
LODI BORO	333	180	153	0	288	18	16	11	284	46	3
LYNDHURST TWP	210	113	97	0	193	1	11	5	195	13	2
MAHWAH TWP	194	106	88	0	167	3	6	18	164	23	7
MAYWOOD BORO	112	61	51	0	98	4	5	5	103	7	2
MIDLAND PARK BORO	100	58	42	0	92	0	5	3	97	3	0
MONTVALE BORO	68	36	32	0	54	0	4	10	64	1	3
MOONACHIE BORO	40	25	15	0	38	1	1	0	36	4	0
NEW MILFORD BORO	189	96	93	0	164	4	6	15	176	10	3
NORTH ARLINGTON BORO	172	93	79	0	160	3	6	3	158	13	1
NORTHVALE BORO	43	22	21	0	34	1	3	5	41	2	0
NORWOOD BORO	64	26	38	0	48	2	6	8	60	2	2
OAKLAND BORO	167	77	90	0	151	0	4	12	162	2	3
OLD TAPPAN BORO	37	19	18	0	32	0	0	5	33	1	3
ORADELL BORO	66	32	34	0	56	0	3	7	64	0	2
PALISADES PARK BORO	210	108	102	0	151	1	40	18	191	14	5
PARAMUS BORO	213	107	106	0	168	1	28	16	202	7	4
PARK RIDGE BORO	99	56	43	0	87	1	0	11	96	2	1
RAMSEY BORO	166	94	72	0	146	4	4	12	155	8	3
RIDGEFIELD BORO	149	80	69	0	122	5	5	17	139	7	3
RIDGEFIELD PARK TWP	75	38	37	0	65	3	4	3	70	5	0
RIDGEWOOD VIL	258	136	122	0	229	8	6	15	238	13	7
RIVER EDGE BORO	134	72	62	0	105	2	10	17	127	2	5
RIVER VALE TWP	107	55	52	0	85	0	3	19	103	2	2
ROCHELLE PARK TWP	147	77	70	0	123	4	5	15	132	9	6
ROCKLEIGH BORO	1	1	0	0	0	0	0	1	0	0	1
RUTHERFORD BORO	213	115	98	0	168	14	17	14	197	11	5
SADDLE BROOK TWP	150	78	72	0	140	2	5	3	144	4	2
SADDLE RIVER BORO	15	7	8	0	13	0	0	2	15	0	0
SOUTH HACKENSACK TWP	29	15	14	0	23	4	0	2	21	8	0
TEANECK TWP	509	254	255	0	289	92	25	103	431	44	34
TENAFLY BORO	93	41	52	0	57	0	9	27	84	3	6
UPPER SADDLE RIVER BORO	70	39	31	0	61	0	2	7	64	1	5
WALDWICK BORO	132	67	65	0	121	0	6	5	124	4	4
WALLINGTON BORO	115	65	50	0	103	4	5	3	108	6	1
WASHINGTON TWP	98	51	47	0	82	2	6	8	89	6	3
WESTWOOD BORO	150	71	79	0	118	13	3	16	133	13	2
WOOD-RIDGE BORO	95	48	47	0	89	1	0	5	89	5	1
WOODCLIFF LAKE BORO	64	33	31	0	57	0	2	5	57	6	1
WYCKOFF TWP	141	73	68	0	133	0	1	7	135	2	4
TOTAL BERGEN	9934	5134	4800	0	7849	536	582	967	8892	740	302

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

BURLINGTON COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BASS RIVER TWP	21	12	9	0	21	0	0	0	19	2	0
BEVERLY CITY	99	52	47	0	68	29	1	1	73	26	0
BORDENTOWN CITY	67	39	28	0	56	7	2	2	55	12	0
BORDENTOWN TWP	116	51	65	0	101	9	4	2	108	8	0
BURLINGTON CITY	143	78	65	0	87	44	5	7	92	50	1
BURLINGTON TWP	234	123	111	0	168	58	6	2	156	78	0
CHESTERFIELD TWP	30	17	13	0	29	0	0	1	29	1	0
CINNAMINSON TWP	131	68	63	0	117	8	3	3	113	18	0
DELANCO TWP	59	29	30	0	59	0	0	0	54	5	0
DELTRAN TWP	136	73	83	0	136	16	1	3	122	34	0
EASTAMPTON TWP	59	30	29	0	57	2	0	0	47	12	0
EDGEWATER PARK TWP	118	66	52	0	99	18	0	1	87	31	0
EVESHAM TWP	623	317	306	0	558	13	16	36	587	31	5
FIELDSBORO BORO	7	1	6	0	4	3	0	0	5	2	0
FLORENCE TWP	151	71	80	0	139	11	1	0	126	25	0
HAINESPORT TWP	28	13	15	0	27	0	1	0	23	5	0
LUMBERTON TWP	59	30	29	0	51	5	3	0	51	8	0
MANSFIELD TWP	40	25	15	0	39	1	0	0	36	4	0
MAPLE SHADE TWP	289	156	133	0	242	27	10	10	250	37	2
MEDFORD LAKES BORO	29	16	13	0	27	0	1	1	27	2	0
MEDFORD TWP	247	127	120	0	230	3	1	13	222	25	0
MOORESTOWN TWP	157	77	80	0	148	2	3	4	148	9	0
MOUNT HOLLY TWP	334	168	166	0	268	56	6	4	235	98	1
MOUNT LAUREL TWP	357	185	172	0	316	10	6	25	323	31	3
NEW HANOVER TWP	221	100	121	0	139	67	14	1	204	17	0
NORTH HANOVER TWP	143	75	68	0	107	24	10	2	130	13	0
PALMYRA BORO	121	60	61	0	108	8	0	5	96	24	1
PEMBERTON BORO	77	46	31	0	57	15	4	1	57	20	0
PEMBERTON TWP	454	229	225	0	341	87	20	6	332	122	0
RIVERSIDE TWP	146	70	76	0	142	0	0	4	122	23	1
RIVERTON BORO	29	14	15	0	27	0	0	2	26	3	0
SHAMONG TWP	69	32	37	0	66	1	1	1	61	8	0
SOUTHAMPTON TWP	89	53	36	0	88	0	1	0	74	15	0
SPRINGFIELD TWP	28	17	11	0	26	0	2	0	25	3	0
TABERNACLE TWP	94	56	38	0	90	1	1	2	86	8	0
WASHINGTON TWP	9	3	6	0	7	0	1	1	8	1	0
WESTAMPTON TWP	94	47	47	0	84	6	4	0	87	7	0
WILLINGBORO TWP	522	280	242	0	188	302	13	19	351	167	4
WOODLAND TWP	17	6	11	0	15	2	0	0	15	2	0
WRIGHTSTOWN BORO	21	11	10	0	19	1	1	0	18	3	0
TOTAL BURLINGTON	5688	2923	2765	0	4551	836	142	159	4680	990	18

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

CAMDEN COUNTY

PLACE OF RESIDENCE:	TOTAL	SEX			RACE				LEGITIMACY:		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
AUDUBON BORO	147	84	63	0	136	0	1	10	136	10	1
AUDUBON PARK BORO	7	4	3	0	7	0	0	0	1	6	0
BARRINGTON BORO	71	31	40	0	67	2	1	1	63	8	0
BELLMAWR BORO	159	78	81	0	150	2	1	6	119	40	0
BERLIN BORO	175	94	81	0	159	10	3	3	137	38	0
BERLIN TWP	69	32	37	0	61	3	1	4	55	14	0
BROOKLAWN BORO	28	13	15	0	27	0	0	1	22	6	0
CAMDEN CITY	2351	1172	1179	0	1002	1306	24	19	607	1743	1
CHERRY HILL TWP	758	414	344	0	624	25	37	72	701	48	9
CHESILHURST BORO	11	2	9	0	2	8	0	1	5	6	0
CLEMENTON BORO	178	102	76	0	148	19	3	8	136	42	0
COLLINGSWOOD BORO	232	123	109	0	218	8	3	3	183	49	0
GIBBSBORO BORO	21	12	9	0	20	0	0	1	19	2	0
GLOUCESTER CITY	286	141	145	0	269	5	1	11	207	75	4
GLOUCESTER TWP	597	292	305	0	528	38	10	21	496	100	1
HADDON HEIGHTS BORO	96	48	48	0	89	0	2	5	88	8	0
HADDON TWP	186	88	98	0	165	0	3	18	170	15	1
HADDONFIELD BORO	145	71	74	0	139	2	1	3	139	5	1
HI-NELLA BORO	23	15	8	0	17	6	0	0	17	6	0
LAUREL SPRINGS BORO	75	40	35	0	68	1	0	6	60	14	1
LAWNSIDE BORO	39	19	20	0	2	37	0	0	17	22	0
LINDENWOLD BORO	363	184	179	0	287	63	7	6	279	84	0
MAGNOLIA BORO	84	42	42	0	68	16	0	0	60	24	0
MERCHANTVILLE BORO	66	37	29	0	57	3	1	5	52	14	0
MOUNT EPHRAIM BORO	69	39	30	0	65	0	0	4	63	6	0
OAKLYN BORO	68	35	33	0	63	1	1	3	62	5	1
PENNSAUKEN TWP	531	258	273	0	428	68	9	26	428	103	0
PINE HILL BORO	157	81	76	0	141	10	3	3	117	40	0
RUNNEMEDE BORO	119	63	56	0	111	1	3	4	92	25	2
SOMERDALE BORO	92	42	50	0	77	12	2	1	66	25	1
STRATFORD BORO	123	67	56	0	108	7	4	4	102	21	0
VOORHEES TWP	341	198	143	0	289	10	19	23	318	21	2
WATERFORD TWP	216	102	114	0	185	23	1	7	177	38	1
WINSLOW TWP	570	272	298	0	434	101	9	26	460	109	1
WOOD-LYNNE BORO	54	26	28	0	51	1	1	1	31	22	1
TOTAL CAMDEN	8507	4321	4186	0	6262	1788	151	306	5685	2794	28

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

CAPE MAY COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
AVALON BORO	14	6	8	0	14	0	0	0	13	1	0
CAPE MAY CITY	103	62	41	0	86	11	1	5	77	26	0
CAPE MAY POINT BORO	1	1	0	0	1	0	0	0	1	0	0
DENNIS TWP	70	39	31	0	69	1	0	0	64	6	0
LOWER TWP	267	149	118	0	261	1	3	2	206	61	0
MIDDLE TWP	243	136	107	0	189	46	4	4	177	65	1
NORTH WILDWOOD CITY	59	23	36	0	52	2	3	2	46	13	0
OCEAN CITY	201	106	95	0	184	12	0	5	151	50	0
SEA ISLE CITY	28	16	12	0	28	0	0	0	25	3	0
STONE HARBOR BORO	14	8	6	0	14	0	0	0	14	0	0
UPPER TWP	155	70	85	0	154	1	0	0	144	10	1
WEST CAPE MAY BORO	14	6	8	0	11	3	0	0	12	2	0
WEST WILDWOOD BORO	2	1	1	0	2	0	0	0	2	0	0
WILDWOOD CITY	117	55	62	0	88	28	1	0	55	62	0
WILDWOOD CREST BORO	32	12	20	0	32	0	0	0	23	9	0
WOODBINE BORO	68	32	36	0	48	20	0	0	31	37	0
TOTAL CAPE MAY	1388	722	666	0	1233	125	12	18	1041	345	2

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

CUMBERLAND COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BRIDGETON CITY	475	260	215	0	220	242	5	8	174	300	1
COMMERCIAL TWP	72	41	31	0	50	21	0	1	33	39	0
DEERFIELD TWP	45	19	26	0	34	11	0	0	30	15	0
DOWNE TWP	22	11	11	0	18	4	0	0	11	11	0
FAIRFIELD TWP	88	38	50	0	39	47	2	0	34	54	0
GREENWICH TWP	8	2	6	0	6	2	0	0	5	3	0
HOPEWELL TWP	36	17	19	0	34	2	0	0	22	14	0
LAWRENCE TWP	32	14	18	0	21	10	0	1	20	12	0
MAURICE RIVER TWP	47	25	22	0	47	0	0	0	36	11	0
MILLVILLE CITY	489	242	247	0	388	84	7	10	255	234	0
SHILOH BORO	7	3	4	0	6	0	0	1	5	2	0
STOW CREEK TWP	6	4	2	0	5	1	0	0	4	2	0
UPPER DEERFIELD TWP	81	40	41	0	58	20	3	0	51	30	0
VINELAND CITY	889	458	431	0	719	145	12	13	540	348	1
TOTAL CUMBERLAND	2297	1174	1123	0	1645	589	29	34	1220	1075	2

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

ESSEX COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BELLEVILLE TOWN	478	232	246	0	418	28	23	9	436	40	2
BLOOMFIELD TOWN	604	304	300	0	528	31	30	15	546	53	5
CALDWELL BORO	107	55	52	0	101	0	4	2	101	5	1
CEDAR GROVE TWP	104	46	58	0	91	3	7	3	99	4	1
EAST ORANGE CITY	1501	717	784	0	96	1380	8	17	567	930	4
ESSEX FELS BORO	29	15	14	0	25	1	0	3	23	4	2
FAIRFIELD BORO	66	32	34	0	65	0	0	1	61	5	0
GLEN RIDGE BORO	90	56	34	0	74	2	2	12	80	4	6
IRVINGTON TOWN	1188	599	589	0	280	883	12	13	594	591	3
LIVINGSTON TWP	247	124	123	0	216	4	17	10	234	8	5
MAPLEWOOD TWP	336	182	154	0	268	35	13	20	313	20	3
MILLBURN TWP	204	112	92	0	178	3	8	15	198	2	4
MONTCLAIR TOWN	482	256	226	0	261	168	8	45	367	94	21
NEWARK CITY	6325	3214	3111	0	2339	3867	67	52	2351	3954	20
NORTH CALDWELL BORO	57	26	31	0	50	1	1	5	55	1	1
NUTLEY TOWN	312	151	161	0	270	9	22	11	286	22	4
ORANGE CITY	670	341	329	0	148	508	5	9	352	317	1
ROSELAND BORO	45	25	20	0	42	1	1	1	44	1	0
SOUTH ORANGE VIL	163	87	76	0	115	27	6	15	146	8	9
VERONA BORO	157	77	80	0	147	2	2	6	153	2	2
WEST CALDWELL BORO	121	61	60	0	117	0	1	3	118	2	1
WEST ORANGE TOWN	514	247	267	0	433	28	27	26	475	31	8
TOTAL ESSEX	13800	6959	6841	0	6262	6781	264	293	7599	6098	103

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

GLOUCESTER COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
CLAYTON BORO	94	45	49	0	75	18	0	0	66	28	0
DEPTFORD TWP	297	146	151	0	256	30	3	8	244	52	1
EAST GREENWICH TWP	52	32	20	0	50	2	0	0	47	5	0
ELK TWP	48	29	19	0	39	8	0	1	38	10	0
FRANKLIN TWP	226	113	113	0	203	18	2	3	170	54	2
GLASSBORO BORO	232	128	104	0	145	77	3	7	144	88	0
GREENWICH TWP	50	28	22	0	48	2	0	0	36	14	0
HARRISON TWP	60	35	25	0	57	2	1	0	54	6	0
LOGAN TWP	51	27	24	0	44	3	0	4	48	3	0
MANTUA TWP	251	132	119	0	223	4	2	22	224	26	1
MONROE TWP	411	235	176	0	344	50	6	11	310	98	3
NATIONAL PARK BORO	50	23	27	0	50	0	0	0	36	14	0
NEWFIELD BORO	78	44	34	0	62	14	0	2	56	22	0
PAULSBORO BORO	93	52	41	0	59	33	0	1	51	42	0
PITMAN BORO	131	59	72	0	127	0	1	3	109	21	1
SOUTH HARRISON TWP	12	6	6	0	11	0	0	1	9	3	0
SWEDESBORO BORO	86	39	47	0	57	12	2	15	65	19	2
WASHINGTON TWP	521	268	253	0	471	22	8	20	470	49	2
WENONAH BORO	83	43	40	0	74	5	0	4	73	10	0
WEST DEPTFORD TWP	200	105	95	0	185	10	1	4	174	26	0
WESTVILLE BORO	111	53	58	0	99	10	0	2	71	40	0
WOODBURY CITY	223	121	102	0	177	40	0	6	157	66	0
WOODBURY HEIGHTS BORO	57	26	31	0	50	3	1	3	50	7	0
WOOLWICH TWP	13	6	7	0	12	0	1	0	10	3	0
TOTAL GLOUCESTER	3430	1795	1635	0	2918	364	31	117	2712	706	12

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

HUDSON COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BAYONNE CITY	768	384	384	0	662	55	20	31	595	161	12
EAST NEWARK BORO	32	17	15	0	31	0	0	1	26	5	1
GUTTENBERG TOWN	138	77	61	0	103	4	5	26	109	22	7
HARRISON TOWN	198	89	109	0	167	5	16	10	165	30	3
HOBOKEN CITY	474	245	229	0	293	103	17	61	274	170	30
JERSEY CITY	4303	2206	2097	0	2019	1730	356	198	2247	1993	63
KEARNY TOWN	502	253	249	0	460	8	26	8	425	71	6
NORTH BERGEN TWP	698	355	343	0	579	36	38	45	574	112	12
SECAUCUS TOWN	171	84	87	0	150	1	7	13	151	13	7
UNION CITY	1089	545	544	0	899	104	28	58	708	363	18
WEEHAWKEN TWP	185	96	89	0	135	14	7	29	144	33	8
WEST NEW YORK TOWN	629	334	295	0	534	40	16	39	453	160	16
TOTAL HUDSON	9187	4685	4502	0	6032	2100	536	519	5871	3133	183

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

HUNTERDON COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ALEXANDRIA TWP	39	26	13	0	37	0	0	2	39	0	0
BETHELEM TWP	31	12	19	0	30	0	1	0	30	1	0
BLOOMSBURY BORO	17	5	12	0	15	0	0	2	11	5	1
CALIFON BORO	41	19	22	0	39	0	0	2	39	2	0
CLINTON TOWN	53	18	35	0	49	2	1	1	47	6	0
CLINTON TWP	118	64	54	0	113	4	1	0	108	9	1
DELAWARE TWP	39	25	14	0	39	0	0	0	38	1	0
EAST AMWELL TWP	56	31	25	0	55	1	0	0	53	3	0
FLEMINGTON BORO	97	43	54	0	90	2	1	4	93	3	1
FRANKLIN TWP	35	15	20	0	35	0	0	0	35	0	0
FRENCHTOWN BORO	30	16	14	0	30	0	0	0	25	5	0
GLEN GARDNER BORO	45	26	19	0	44	0	1	0	40	5	0
HAMPTON BORO	33	15	18	0	31	0	0	2	25	8	0
HIGH BRIDGE BORO	86	42	44	0	83	1	0	2	80	5	1
HOLLAND TWP	45	27	18	0	44	0	1	0	41	4	0
KINGWOOD TWP	50	22	28	0	48	0	0	2	47	3	0
LAMBERTVILLE CITY	62	30	32	0	54	1	0	7	51	10	1
LEBANON BORO	24	11	13	0	24	0	0	0	22	2	0
LEBANON TWP	75	36	39	0	74	0	0	1	72	2	1
MILFORD BORO	21	10	11	0	20	0	0	1	20	1	0
RARITAN TWP	201	98	103	0	194	0	6	1	197	4	0
READINGTON TWP	147	72	75	0	141	1	1	4	140	6	1
STOCKTON BORO	5	2	2	0	4	0	0	1	3	2	0
TEWKSBURY TWP	56	31	25	0	55	0	0	1	55	1	0
UNION TWP	29	15	14	0	28	0	1	0	25	4	0
WEST AMWELL TWP	33	17	16	0	32	0	0	1	28	5	0
TOTAL HUNTERDON	1468	729	739	0	1408	12	14	34	1364	97	7

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

MERCER COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
EAST WINDSOR TWP	288	130	158	0	246	13	18	11	270	15	3
EWING TWP	410	209	201	0	320	76	8	6	343	67	0
HAMILTON TWP	1126	582	544	0	994	80	37	15	969	152	5
HIGHTSTOWN BORO	100	49	51	0	85	10	4	1	82	18	0
HOPEWELL BORO	30	19	11	0	29	0	0	1	29	0	1
HOPEWELL TWP	121	64	57	0	120	0	1	0	116	5	0
LAWRENCE TWP	285	143	142	0	234	30	13	8	257	27	1
PENNINGTON BORO	39	25	14	0	35	2	1	1	38	1	0
PRINCETON BORO	140	72	68	0	103	19	12	6	118	21	1
PRINCETON TWP	126	54	72	0	95	11	15	5	118	7	1
TRENTON CITY	2144	1141	1003	0	869	1220	32	23	799	1342	3
WASHINGTON TWP	94	51	43	0	86	4	4	0	87	7	0
WEST WINDSOR TWP	169	72	97	0	153	5	11	0	168	1	0
TOTAL MERCER	5072	2611	2461	0	3369	1470	156	77	3394	1663	15

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

MIDDLESEX COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
CARTERET BORO	284	123	161	0	232	35	13	4	222	61	1
CRANBURY TWP	91	59	32	0	78	8	0	5	77	13	1
DUNELLEN BORO	102	58	44	0	95	4	3	0	91	11	0
EAST BRUNSWICK TWP	605	316	289	0	512	26	33	34	559	35	11
EDISON TWP	1338	716	622	0	1017	102	172	47	1234	89	15
HELMETTA BORO	17	12	5	0	16	0	0	1	14	3	0
HIGHLAND PARK BORO	195	94	101	0	158	22	6	9	166	27	2
JAMESBURG BORO	137	66	71	0	122	10	1	4	118	18	1
METUCHEN BORO	197	114	83	0	174	10	6	7	180	15	2
MIDDLESEX BORO	212	108	104	0	202	2	4	4	194	18	0
MILLTOWN BORO	96	52	44	0	91	0	2	3	92	4	0
MONROE TWP	111	67	44	0	106	3	2	0	100	11	0
NEW BRUNSWICK CITY	699	342	357	0	367	314	16	2	341	357	1
NORTH BRUNSWICK TWP	396	196	200	0	309	57	18	12	354	37	5
OLD BRIDGE TWP	630	305	325	0	561	16	20	33	566	54	10
PERTH AMBOY CITY	805	411	393	1	726	71	4	4	515	288	2
PISCATAWAY TWP	661	332	329	0	432	127	85	17	567	88	6
PLAINSBORO TWP	261	120	141	0	194	41	17	9	229	31	1
SAYREVILLE BORO	501	282	219	0	431	25	15	30	448	41	12
SOUTH AMBOY CITY	224	118	106	0	205	7	3	9	184	34	6
SOUTH BRUNSWICK TWP	448	229	219	0	388	23	26	11	422	24	2
SOUTH PLAINFIELD BORO	284	158	126	0	251	17	11	5	252	28	4
SOUTH RIVER BORO	204	113	91	0	190	12	1	1	173	30	1
SPOTSWOOD BORO	135	74	61	0	123	3	2	7	117	15	3
WOODBRIIDGE TWP	1191	628	563	0	1014	67	66	44	1083	99	9
TOTAL MIDDLESEX	9824	5093	4730	1	7994	1002	526	302	8298	1431	95

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

MONMOUTH COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ABERDEEN TWP	213	107	105	0	170	30	4	9	188	21	4
ALLENHURST BORO	19	14	5	0	18	1	0	0	19	0	0
ALLENTOWN BORO	26	16	10	0	24	2	0	0	24	2	0
ASBURY PARK CITY	420	203	217	0	124	294	2	0	167	253	0
ATLANTIC HIGHLANDS BORO	131	70	61	0	115	13	2	1	115	15	1
AVON-BY-THE-SEA BORO	22	9	13	0	22	0	0	0	19	3	0
BELMAR BORO	82	47	35	0	72	10	0	0	59	22	1
BRADLEY BEACH BORO	90	46	44	0	79	10	0	1	62	28	0
BRIELLE BORO	42	19	23	0	39	2	0	1	41	1	0
COLTS NECK TOWNSHIP	71	37	34	0	67	1	2	1	63	7	1
DEAL BORO	24	13	11	0	15	0	0	9	22	0	2
EATONTOWN BORO	294	166	128	0	213	58	20	3	262	32	0
ENGLISHTOWN BORO	65	33	32	0	57	1	2	5	59	4	2
FAIR HAVEN BORO	76	49	27	0	67	4	3	2	71	5	0
FARMINGDALE BORO	47	25	22	0	45	2	0	0	42	5	0
FREEHOLD BORO	198	107	91	0	147	43	4	4	138	58	2
FREEHOLD TWP	314	166	148	0	274	23	8	9	284	29	1
HAZLET TWP	260	121	139	0	226	10	10	14	227	27	6
HIGHLANDS BORO	80	34	45	1	75	3	1	1	68	12	0
HOLMDEL TWP	94	51	43	0	70	1	12	11	87	5	2
HOWELL TWP	619	323	296	0	563	21	12	23	564	43	12
INTERLAKEN BORO	9	4	5	0	8	0	0	1	8	1	0
KEANSBURG BORO	221	109	112	0	210	5	1	5	160	59	2
KEYPORT BORO	161	84	77	0	150	9	0	2	138	23	0
LITTLE SILVER BORO	75	34	41	0	72	0	1	2	71	4	0
LOCH ARBOUR VILLAGE	4	2	2	0	4	0	0	0	3	1	0
LONG BRANCH CITY	565	280	285	0	416	135	7	7	371	191	3
MANALAPAN TWP	261	132	129	0	216	13	10	22	235	15	11
MANASQUAN BORO	116	61	55	0	109	2	0	5	102	13	1
MARLBORO TWP	325	177	148	0	260	10	25	30	312	7	6
MATAWAN BORO	246	128	118	0	197	18	8	23	207	33	6
MIDDLETOWN TWP	808	425	383	0	726	23	30	29	740	62	6
MILLSTONE TWP	46	24	22	0	40	3	0	3	39	6	1
MONMOUTH BEACH BORO	35	17	18	0	31	2	2	0	30	4	1
NEPTUNE CITY BORO	65	38	27	0	61	3	1	0	54	11	0
NEPTUNE TWP	424	212	212	0	246	172	4	2	277	147	0
OCEAN TWP	331	165	165	0	279	36	7	9	276	49	6
OCEANPORT BORO	78	35	43	0	69	7	2	0	73	5	0
RED BANK BORO	215	103	112	0	149	59	2	5	150	63	2
ROOSEVELT BORO	10	6	4	0	10	0	0	0	10	0	0
RUMSON BORO	70	38	32	0	66	0	0	4	65	4	1
SEA BRIGHT BORO	19	9	10	0	19	0	0	0	17	2	0
SEA GIRT BORO	24	15	9	0	21	0	0	3	19	3	2
SHREWSBURY BORO	37	20	17	0	37	0	0	0	37	0	0
SHREWSBURY TWP	27	17	10	0	20	4	2	1	26	1	0
SOUTH BELMAR BORO	34	15	19	0	31	3	0	0	25	9	0
SPRING LAKE BORO	33	16	17	0	33	0	0	0	29	4	0
SPRING LAKE HEIGHTS BORO	34	16	18	0	34	0	0	0	32	2	0
TINTON FALLS BORO	177	92	85	0	136	34	3	4	157	17	3
UNION BEACH BORO	107	55	52	0	100	1	2	4	86	20	1
UPPER FREEHOLD TWP	47	22	25	0	46	1	0	0	44	3	0
WALL TWP	202	99	103	0	197	2	2	1	177	25	0
WEST LONG BRANCH BORO	76	42	34	0	71	2	2	1	74	2	0
TOTAL MONMOUTH	8069	4148	3920	1	6546	1073	193	257	6625	1358	86

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

MORRIS COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BOONTON TOWN	170	88	82	0	160	1	8	1	156	14	0
BOONTON TWP	25	19	6	0	24	1	0	0	23	2	0
BUTLER BORO	107	50	57	0	104	0	2	1	94	13	0
CHATHAM BORO	130	66	64	0	120	0	3	7	127	2	1
CHATHAM TWP	70	31	39	0	65	0	1	4	66	2	2
CHESTER BORO	29	15	14	0	28	0	1	0	29	0	0
CHESTER TWP	44	19	25	0	42	0	1	1	43	1	0
DENVILLE TWP	197	106	91	0	186	1	7	3	192	4	1
DOVER TOWN	292	152	140	0	270	14	6	2	228	64	0
EAST HANOVER TWP	89	43	46	0	79	0	6	4	85	3	1
FLORHAM PARK BORO	88	50	38	0	82	0	2	4	85	1	2
HANOVER TWP	130	73	57	0	118	1	10	1	124	5	1
HARDING TWP	35	25	10	0	31	1	1	2	33	2	0
JEFFERSON TWP	267	135	132	0	263	0	1	3	246	20	1
KINNELON BORO	95	47	48	0	89	0	2	4	91	3	1
LINCOLN PARK BORO	177	97	80	0	160	3	11	3	166	8	3
MADISON BORO	176	75	101	0	152	9	8	7	163	12	1
MENDHAM BORO	62	26	36	0	61	0	0	1	59	0	3
MENDHAM TWP	41	25	16	0	39	0	0	2	39	2	0
MINE HILL TWP	54	34	20	0	52	0	2	0	51	3	0
MONTVILLE TWP	154	79	75	0	138	0	9	7	144	9	1
MORRIS PLAINS BORO	127	60	67	0	116	2	6	3	123	4	0
MORRIS TWP	89	48	41	0	77	9	2	1	80	9	0
MORRISTOWN TOWN	371	195	176	0	282	60	10	19	293	76	2
MOUNT ARLINGTON BORO	50	23	27	0	49	0	1	0	48	2	0
MOUNT OLIVE TWP	425	224	201	0	391	16	13	5	383	41	1
MOUNTAIN LAKES BORO	37	20	17	0	33	0	2	2	34	2	1
NETCONG BORO	69	31	38	0	65	2	1	1	60	9	0
PARSIPPANY-TROY HILLS TWP	588	317	271	0	500	21	61	6	545	40	3
PASSAIC TWP	102	55	47	0	95	0	4	3	96	5	1
PEQUANNOCK TWP	185	98	87	0	181	1	1	2	177	8	0
RANDOLPH TWP	241	136	105	0	222	6	6	7	223	17	1
RIVERDALE BORO	31	13	18	0	31	0	0	0	29	2	0
ROCKAWAY BORO	78	38	40	0	72	1	3	2	74	4	0
ROCKAWAY TWP	320	162	158	0	301	9	7	3	297	20	3
ROXBURY TWP	291	149	142	0	281	4	5	1	267	22	2
VICTORY GARDENS BORO	4	0	4	0	4	0	0	0	4	0	0
WASHINGTON TWP	158	84	74	0	154	3	1	0	155	3	0
WHARTON BORO	90	50	40	0	81	4	2	3	78	10	2
TOTAL MORRIS	5688	2958	2730	0	5198	169	206	115	5210	444	34

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

OCEAN COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BARNEGAT LIGHT BORO	5	2	3	0	4	0	0	1	3	1	1
BARNEGAT TWP	194	96	98	0	190	4	0	0	166	28	0
BAY HEAD BORO	10	8	2	0	10	0	0	0	8	2	0
BEACH HAVEN BORO	12	9	3	0	11	0	0	1	8	4	0
BEACHWOOD BORO	145	70	75	0	142	2	0	1	127	18	0
BERKELEY TWP	228	116	112	0	226	1	0	1	190	38	0
BRICK TWP	928	457	470	1	910	5	8	5	840	88	0
DOVER TWP	1052	534	518	0	1015	23	11	3	878	173	1
EAGLESWOOD TWP	29	17	12	0	29	0	0	0	23	6	0
HARVEY CEDARS BORO	3	2	1	0	3	0	0	0	3	0	0
ISLAND HEIGHTS BORO	16	12	4	0	16	0	0	0	13	3	0
JACKSON TWP	514	252	262	0	484	17	8	5	462	51	1
LACEY TWP	272	146	126	0	270	0	0	2	247	25	0
LAKEHURST BORO	98	50	48	0	63	17	0	18	76	22	0
LAKEWOOD TWP	1108	546	562	0	868	130	16	94	891	182	35
LAVALLETTE BORO	29	20	9	0	29	0	0	0	24	5	0
LITTLE EGG HARBOR TWP	172	86	86	0	169	2	1	0	148	24	0
LONG BEACH TWP	27	16	11	0	26	0	1	0	19	8	0
MANCHESTER TWP	131	71	60	0	118	11	1	1	115	15	1
MANTOLOKING BORO	5	4	1	0	5	0	0	0	4	1	0
OCEAN GATE BORO	45	28	17	0	44	0	1	0	31	14	0
OCEAN TWP	89	45	44	0	88	0	0	1	82	7	0
PINE BEACH BORO	19	12	7	0	19	0	0	0	16	3	0
PLUMSTED TWP	79	33	46	0	73	4	2	0	63	16	0
POINT PLEASANT BEACH BORO	38	23	15	0	38	0	0	0	36	2	0
POINT PLEASANT BORO	280	125	155	0	276	2	0	2	249	31	0
SEASIDE HEIGHTS BORO	54	30	24	0	48	5	1	0	25	29	0
SEASIDE PARK BORO	25	13	12	0	24	1	0	0	20	5	0
SHIP BOTTOM BORO	19	10	9	0	18	0	0	1	16	3	0
SOUTH TOMS RIVER BORO	55	28	27	0	34	20	0	1	25	30	0
STAFFORD TWP	159	78	81	0	155	2	0	2	136	23	0
SURF CITY BORO	12	2	10	0	12	0	0	0	8	4	0
TUCKERTON BORO	91	50	41	0	87	2	1	1	64	27	0
TOTAL OCEAN	5943	2991	2951	1	5504	248	51	140	5016	888	39

TABLE-22 (CONTINUED)
RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

PASSAIC COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BLOOMINGDALE BORO	127	70	57	0	124	0	1	2	113	14	0
CLIFTON CITY	807	418	389	0	715	39	37	16	732	71	4
HALEDON BORO	109	54	55	0	101	2	5	1	99	10	0
HAWTHORNE BORO	241	105	136	0	231	2	4	4	228	13	0
LITTLE FALLS TWP	115	59	56	0	107	0	2	6	105	9	1
NORTH HALEDON BORO	78	37	41	0	76	0	2	0	71	7	0
PASSAIC CITY	1322	674	648	0	866	377	46	33	808	504	10
PATERSON CITY	3423	1741	1682	0	2055	1198	152	18	1689	1724	10
POMPTON LAKES BORO	137	62	75	0	129	2	4	2	128	9	0
PROSPECT PARK BORO	89	48	41	0	80	4	4	1	76	12	1
RINGWOOD BORO	220	105	115	0	199	3	3	15	204	9	7
TOTOWA BORO	82	47	35	0	80	1	0	1	79	3	0
WANAUKE BORO	155	88	67	0	151	1	2	1	139	14	2
WAYNE TWP	523	255	268	0	486	6	12	19	493	25	5
WEST MILFORD TWP	432	207	225	0	403	4	5	20	398	24	10
WEST PATERSON BORO	135	69	66	0	125	2	7	1	128	7	0
TOTAL PASSAIC	7995	4039	3956	0	5928	1641	286	140	5490	2455	50

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

SALEM COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ALLOWAY TWP	27	15	12	0	18	4	1	4	21	6	0
CARNEYS POINT TWP	111	58	53	0	71	15	2	23	72	38	1
ELMER BORO	54	32	22	0	48	1	0	5	46	8	0
ELSINBORO TWP	5	3	2	0	4	1	0	0	3	2	0
LOWER ALLOWAY CREEK TWP	10	5	5	0	10	0	0	0	10	0	0
MANNINGTON TWP	13	8	5	0	7	6	0	0	6	7	0
OLDMANS TWP	29	12	17	0	18	6	0	5	17	12	0
PENNS GROVE BORO	62	28	34	0	29	20	0	13	32	30	0
PENNSVILLE TWP	193	95	100	0	126	24	4	41	126	59	10
PIESGROVE TWP	21	9	12	0	18	3	0	0	15	5	1
PITTSGROVE TWP	71	37	34	0	54	16	0	1	45	26	0
QUINTON TWP	19	12	7	0	10	6	0	3	12	7	0
SALEM CITY	184	98	86	0	68	95	0	21	73	107	4
UPPER PITTSGROVE TWP	34	19	15	0	29	2	1	2	30	4	0
WOODSTOWN BORO	59	32	27	0	38	4	0	17	48	9	2
TOTAL SALEM	894	463	431	0	548	203	8	135	556	320	18

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

SOMERSET COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BEDMINSTER TWP	95	50	45	0	86	1	3	5	92	3	0
BERNARDS TWP	243	128	115	0	225	1	12	5	236	6	1
BERNARDSVILLE BORO	40	19	21	0	39	0	0	1	40	0	0
BOUND BROOK BORO	175	80	95	0	152	9	9	5	137	37	1
BRANCHBURG TWP	140	83	57	0	126	2	7	5	138	1	1
BRIDGEWATER TWP	378	182	196	0	352	7	14	5	355	20	3
FAR HILLS BORO	9	3	6	0	8	0	0	1	9	0	0
FRANKLIN TWP	756	401	355	0	546	158	41	11	643	109	4
GREEN BROOK TWP	48	30	18	0	45	1	2	0	45	3	0
HILLSBOROUGH TWP	451	244	207	0	412	14	18	7	433	15	3
MANVILLE BORO	123	60	63	0	118	1	2	2	109	14	0
MILLSTONE BORO	3	2	1	0	3	0	0	0	3	0	0
MONTGOMERY TWP	119	54	65	0	108	5	5	1	113	6	0
NORTH PLAINFIELD BORO	302	159	143	0	271	11	13	7	271	28	3
PEAPACK-GLADSTONE BORO	28	14	14	0	26	0	1	1	28	0	0
RARITAN BORO	72	40	32	0	69	0	1	2	63	8	1
ROCKY HILL BORO	12	7	5	0	12	0	0	0	11	1	0
SOMERVILLE BORO	290	164	126	0	233	36	14	7	236	52	2
SOUTH BOUND BROOK BORO	60	32	28	0	58	2	0	0	54	6	0
WARREN TWP	116	61	55	0	105	1	7	3	112	3	1
WATCHUNG BORO	45	22	23	0	42	1	0	2	44	1	0
TOTAL SOMERSET	3505	1835	1670	0	3036	250	149	70	3172	313	201

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

SUSSEX COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ANDOVER BORO	16	10	6	0	14	1	1	0	15	1	0
ANDOVER TWP	88	35	53	0	88	0	0	0	86	2	0
BRANCHVILLE BORO	23	12	11	0	21	0	0	2	18	3	2
BYRAM TWP	112	63	49	0	108	0	2	2	103	9	0
FRANKFORD TWP	85	48	37	0	83	0	0	2	75	10	0
FRANKLIN BORO	69	36	33	0	67	0	1	1	61	8	0
FREDON TWP	35	11	24	0	34	1	0	0	34	1	0
GREEN TWP	36	17	19	0	36	0	0	0	33	3	0
HAMBURG BORO	74	35	39	0	69	1	1	3	70	2	2
HAMPTON TWP	55	27	28	0	54	1	0	0	50	5	0
HARDYSTON TWP	75	33	42	0	74	0	1	0	73	1	1
HOPATCONG BORO	284	159	125	0	276	0	5	3	270	14	0
LAFAYETTE TWP	39	16	23	0	38	1	0	0	38	1	0
MONTAGUE TWP	62	32	30	0	42	1	2	17	52	5	5
NEWTON TOWN	156	80	76	0	147	2	1	6	137	19	0
OGDENSBURG BORO	42	26	16	0	41	0	0	1	39	2	1
SANDYSTON TWP	15	6	9	0	15	0	0	0	14	1	0
SPARTA TWP	209	104	105	0	195	3	3	8	201	5	3
STANHOPE BORO	91	46	45	0	87	1	2	1	83	8	0
STILLWATER TWP	58	28	30	0	57	1	0	0	54	4	0
SUSSEX BORO	97	45	52	0	86	0	0	11	80	12	5
VERNON TWP	346	180	166	0	284	0	0	62	319	8	19
WALPACK TWP	1	0	1	0	1	0	0	0	1	0	0
WANTAGE TWP	101	55	46	0	97	0	1	3	90	10	1
TOTAL SUSSEX	2169	1104	1065	0	2014	13	20	122	1996	134	39

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

UNION COUNTY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
BERKELEY HEIGHTS TWP	111	66	45	0	104	1	4	2	107	4	0
CLARK TWP	137	73	64	0	130	4	3	0	135	2	0
CRANFORD TWP	289	145	144	0	275	9	2	3	269	20	0
ELIZABETH CITY	2106	1060	1045	1	1477	537	63	29	1305	795	6
FANWOOD BORO	107	52	55	0	93	7	3	4	104	2	1
GARWOOD BORO	55	31	24	0	55	0	0	0	53	2	0
HILLSIDE TWP	292	148	144	0	155	123	9	5	216	73	3
KENILWORTH BORO	81	39	42	0	76	4	1	0	71	10	0
LINDEN CITY	509	262	247	0	352	141	8	8	393	112	4
MOUNTAINSIDE BORO	57	23	34	0	56	0	0	1	54	2	1
NEW PROVIDENCE BORO	139	62	77	0	132	0	7	0	186	3	0
PLAINFIELD CITY	1008	495	513	0	318	644	18	28	512	482	14
RAHWAY CITY	359	180	179	0	269	73	11	6	289	70	0
ROSELLE BORO	331	169	162	0	200	116	11	4	244	85	2
ROSELLE P.A.K. BORO	143	79	64	0	133	5	5	0	130	13	0
SCOTCH PLAINS TWP	266	128	138	0	219	24	12	11	238	20	8
SPRINGFIELD TWP	135	67	68	0	123	6	2	4	128	4	3
SUMMIT CITY	242	126	116	0	211	11	8	12	227	13	2
UNION TWP	534	268	266	0	444	55	20	15	477	53	4
WESTFIELD TOWN	371	195	176	0	333	14	8	16	340	26	5
WINFIELD TWP	23	12	11	0	23	0	0	0	21	2	0
TOTAL UNION	7295	3680	3614	1	5178	1774	195	148	5449	1793	53

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

WARREN COUNTY

PLACE OF RESIDENCE:	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
ALLAMUCHY TWP	35	19	16	0	34	1	0	0	32	3	0
ALPHA BORO	21	11	10	0	20	0	0	1	17	3	1
BELVIDERE TOWN	44	22	22	0	38	0	1	5	38	6	0
BLAIRSTOWN TWP	71	43	28	0	66	0	0	5	62	9	0
FRANKLIN TWP	33	19	14	0	31	0	0	2	31	2	0
FRELINGHUYSEN TWP	28	13	15	0	28	0	0	0	26	2	0
GREENWICH TWP	44	22	22	0	43	0	1	0	38	6	0
HACKETTSTOWN TOWN	176	88	88	0	171	0	2	3	166	10	0
HARDWICK TWP	18	8	10	0	18	0	0	0	16	2	0
HARMONY TWP	39	23	16	0	38	0	0	1	34	5	0
HOPE TWP	34	19	15	0	34	0	0	0	33	1	0
INDEPENDENCE TWP	57	24	33	0	54	1	1	1	53	4	0
KNOWLTON TWP	40	27	13	0	38	1	0	1	36	4	0
LIBERTY TWP	30	16	14	0	29	0	1	0	28	2	0
LOPATCONG TWP	46	20	26	0	43	0	0	3	42	4	0
MANSFIELD TWP	119	59	60	0	108	7	3	1	108	11	0
OXFORD TWP	36	21	15	0	34	0	0	2	26	10	0
PHILLIPSBURG TOWN	306	143	163	0	271	7	1	27	224	81	1
POHATCONG TWP	41	21	20	0	38	0	0	3	36	5	0
WASHINGTON BORO	62	29	33	0	60	2	0	0	52	10	0
WASHINGTON TWP	150	86	64	0	142	2	0	6	130	20	0
WHITE TWP	49	26	23	0	47	0	0	2	42	7	0
TOTAL WARREN	1479	759	720	0	1385	21	10	63	1270	207	2

TABLE-22 (CONTINUED)

RESIDENT BIRTHS BY COUNTY AND PLACE OF RESIDENCE ACCORDING TO
SEX, RACE, AND LEGITIMACY
1988

MILITARY

PLACE OF RESIDENCE	TOTAL	SEX			RACE				LEGITIMACY		
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN	LEGIT	ILLEG	UNKN
FORT DIX	74	33	41	0	48	23	3	0	64	10	0
FORT MONMOUTH	1	0	1	0	1	0	0	0	1	0	0
MCGUIRE AIR BASE FORT DIX	48	26	22	0	37	9	0	2	45	3	0
TOTAL MILITARY	123	59	64	0	86	32	3	2	110	13	0

Mortality 1988

TAB-D

**CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH**

Mortality 1988

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**CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH**

Mortality 1988

INTRODUCTION

All mortality statistics provided are summarized from death certificate items filed with the New Jersey State Registrar. New Jersey vital statistics legislation requires a death certificate to be filed by the proper authority for any death occurring within the state. Deaths of New Jersey residents occurring in other states during the calendar year are recorded in the state of occurrence and are covered in this report. These records are forwarded to the New Jersey State Registrar as part of a national exchange program. The Cooperative Health Statistical System is sponsored by the National Center for Health Statistics. Participation in this system involves the reporting of all deaths occurring in New Jersey and forwarding data for the National Death Index.

All death data are maintained on computer tapes by the Bureau of Vital Statistics. Monthly and annual death tabulations are supplied to the Center for Health Statistics for surveillance and reporting purposes. To maintain confidentiality, all individual identifiers are removed prior to tabulation of any data for statistical purposes.

STATISTICAL OVERVIEW

Number of Deaths

There were 72,688 New Jersey resident deaths in 1988, an increase of 960 deaths over the 1987 figure. The number of deaths in 1988 was 22.5 percent higher than the 1960 total of 59,330. There were 31,668 white male deaths, 31,566 white female deaths, 5,268 nonwhite male deaths, and 4,120 nonwhite female deaths among New Jersey residents in 1988.

Mortality Rate

The mortality rate for the State was 9.4 per 1,000 population. Compared to the nation, the New Jersey rate was slightly higher than the provisional national mortality rate of 8.8 per 1,000 population in 1988. However, the State's population, which is 27 percent greater than in 1960, has increased more rapidly than the annual number of deaths, resulting in lower mortality rates. The mortality rate has declined from 9.8 per 1,000 population in 1960 to 9.4 in 1988. The 1988 rate was slightly higher than the 1987 rate of 9.3 deaths per 1,000 population.

Distribution across the 21 counties varied from a high of 13.3 per 1,000 population in Ocean County to 6.4 per 1,000 population in Hunterdon County. A ranking by mortality rate indicates that the following nine counties were higher than the State average: Ocean (13.3), Cape May (12.9), Atlantic (11.8), Hudson (10.9), Salem (10.3), Union and Essex (10.2), Cumberland (10.1), and Passaic (9.9).

The New Jersey mortality rate for males (10.0) was higher than the rate for females (8.9). This differential has existed historically. The total white mortality rate of 10.0 was also higher than the nonwhite rate of 6.8 (based on 1,000 deaths per population level). For population groups divided by both race and sex, the highest mortality rate occurred among white males (10.4) and the lowest rate appeared among nonwhite females (5.6).

Age-Specific Rates

Comparisons of age-specific mortality rates for whites and nonwhites show higher mortality rates for nonwhites in age groups under 65 but lower rates for the 65 and above groups. In 1988 the mortality rates for 25 through 44 year olds were 151.7 per 100,000 for whites versus 392.0 for nonwhites. In the next higher age grouping, 45-64, the rate for whites was 785.5 versus 1,080.1 for nonwhites. The rates for the younger age group were 2.6 times higher for nonwhites, but only 1.4 times higher in the older age group. Above 65 years of age the nonwhite rate is 0.87 times as high as the mortality rate for whites, 4,517.4 versus 5,216.0. Thus, the chances of surviving another year increase for nonwhites as they age, and elderly nonwhites become more likely to survive than whites.

Age-specific mortality rates for men were higher for all age groups than the corresponding rates for females. In the 15-24 year old age group, the male rate of 120.1 per 100,000 population was 2.7 times that of the female rate of 45.0 per 100,000 population. The mortality rate for males aged 25-44 (276.2 per 100,000 population) was over twice the rate for females (120.8 per 100,000 population). At ages 45 through 64, males had an age-specific death rate of 1,076.4 per 100,000 population compared to 607.1 per 100,000 for females. The mortality rate for males aged 65 and above was 6,110.3 per 100,000 population compared to 4,551.3 per 100,000 for females.

PRINCIPAL CAUSES OF DEATH

Leading Causes

In 1988 the leading causes of death ranked from highest to lowest were: (1) diseases of the heart, (2) malignant neoplasms, (3) cerebrovascular diseases, (4) pneumonia and influenza, (5) accidents, (6) diabetes mellitus, (7) septicemia, (8) human immunodeficiency virus infection, (9) chronic liver disease and cirrhosis, and (10) nephritis and nephrosis.

Deaths caused by diseases of the heart remained at approximately the same level as in 1987 with an increase in the mortality rate from 351.0 per 100,000 in 1987 to 354.1 in 1988. Malignant neoplasms decreased 0.1% from the 1987 rate to 221.1 per 100,000 population in 1988. Diseases of the heart and malignant neoplasms, the two major causes of death, together continued to account for more than 60 percent of all deaths in the State. Deaths attributable to AIDS/HIV infection, pneumonia/influenza and septicemia increased, while deaths from cerebrovascular diseases, accidents, diabetes, chronic liver disease and cirrhosis decreased. Deaths from nephritis and nephrosis remained at the same level as in the previous year.

Age Groups

Age group data show that accidents were the leading cause of death for the population aged 1 through 14; malignant neoplasms ranked second. For those aged 15 through 24, accidents were also the leading cause but homicide ranked second. Among the population aged 25 through 44, human immunodeficiency virus infection was the leading cause of death while accidents ranked second. For the age group 45 through 64, malignant neoplasms were the leading cause of death, followed by heart diseases. In persons aged 65 years and over, diseases of the heart were the major cause of death, and malignant neoplasms ranked second.

Diseases of the Heart

Diseases of the heart increased from 26,931 deaths in 1987 to 27,339 in 1988. This rise reflected a rate increase from 351.0 to 354.1 deaths per 100,000 population. There were 12,212 deaths of white males from heart diseases in 1988, a slight increase from the 1987 level of 12,135. Also, total white female deaths increased from 12,260 in 1987 to 12,635 deaths in 1988. Deaths due to heart diseases among nonwhite males also increased from 1,251 to 1,288 between 1987 and 1988. For the same period nonwhite female deaths decreased by 68 from 1,259 to 1,191 deaths. Diseases of the heart remained the leading cause of death for all races, sixty-five years of age or older and for all males forty-five years and older.

Malignant Neoplasms

Malignant neoplasms were the second leading cause of death in 1988 irrespective of race or sex. The crude mortality rates attributable to malignant neoplasms over the past five years are: 1988 (221.1); 1987 (223.2); 1986 (223.1); 1985 (224.8); and 1984 (221.7). Cancer was the second leading cause of death among white males over 44 years of age and those aged 65 and older. In addition, cancer was the leading cause of death of white women aged 15 through 64 and the second leading cause of death for those aged 65 and older. Cancer resulted in the second highest death toll among men and women aged 45 and older and it was the leading cause of female mortality in the age group 25 through 44. There were 50 fewer deaths attributable to malignant neoplasms in 1988 than in 1987.

Cerebrovascular Disease

Cerebrovascular diseases (stroke) remained the third leading cause of death among New Jersey residents. Eighty-four percent of all deaths in 1988 from cerebrovascular diseases involved persons 65 years and over. Historically, whites and females have experienced higher death rates from cerebrovascular diseases than nonwhites and males. Since 1970, the overall trend in the death rate from stroke has been downward, however in 1987 the total rate increased, as well as the rates for both sexes and for whites and nonwhites. Sex- and race-specific death rates from cerebrovascular diseases decreased in 1988 from 1987 rates to levels below those of 1986.

Influenza and Pneumonia

In 1988 there were 2,469 deaths in this disease category compared to 2,131 in 1987. Mortality rates for influenza and pneumonia had been consistently increasing over the six years prior to 1987. From 1982 through 1986 they were 20.1, 22.7, 26.1, 28.4, and 29.4 deaths per 100,000 population; however, in 1987, the rate dropped to 27.8. This aberration was shortlived, as the 1988 rate climbed to 32.0 to continue its past spiral. Influenza and pneumonia together caused the fourth largest number of deaths among the elderly (aged 65 and over), accounting for 2,097 (or 84.9%) of the 2,469 influenza and pneumonia deaths reported in 1988.

Accidental Deaths

The number of accidental deaths decreased from 2,358 in 1987 to 2,308 in 1988 and the death rate decreased from 30.7 to 29.9 deaths per 100,000. More deaths were attributed to accidents than to any other cause of death among the total population aged 1 through 24, as well as among white males of the same ages.

Suicide

There were 613 suicides in 1988, a decrease from 710 suicide deaths in 1987. The mortality rate fell to 7.9 per 100,000 from 9.3 in the previous year. The largest number of suicides were by white males, 425. There were 74 white male deaths between the ages of 15 and 24, 157 between the ages of 25 and 44, 96 between the ages of 45 and 64, and 94 for white males aged 65 and over. Among the nonwhite male population there were 49 deaths. There were 14 recorded for those aged 15 through 24, 26 for those aged 25 through 44, and 9 among those 45 years of age and over. By contrast, the highest age-specific suicide deaths for white females were reported for those aged 25 through 44 and 45 through 64--42 and 34 suicides for each of these two age groups, respectively, during 1988. Only 10 suicides were reported among nonwhite women.

Homicide

Homicide remains a major problem among New Jersey residents with 479 deaths occurring in 1988. In 1987 there were 406 reported homicides, representing a decrease from 459 in 1986, 452 in 1985 and 435 in 1984. Total homicides and rates per 100,000 population in New Jersey for the three years between 1980 through 1982 were considerably higher than for any previous year, ranging between 7.2 and 7.5 per 100,000. The homicide rate declined 18.9% between 1982 and 1983 to 6.0, then declined further in 1984 to 5.8. The rate increased to 6.0 in 1985 and 1986 before dropping to 5.3 in 1987. A reversal occurred in 1988 when the rate increased to 6.2. The highest rate of homicides for white males was in the age group 25 through 44 for which there were 73 cases or 49.3 percent of all white male homicides. The highest percentage of black male homicides was also in the 25-44 year old age group. There were 87 deaths or 44.4 percent of all black male homicides in this age group. Nonwhite males recorded the highest overall homicide rate at 31.5 per 100,000 population representing a 27 percent increase in the rate from 1987. This rate was 6.6 times higher than the 4.8 rate for white males. White females recorded the lowest rate at 2.2 per 100,000 population, while nonwhite females had a homicide rate of 7.5 per 100,000 population, up 19.0% from the 1987 rate of 6.3.

Legal Intervention (ICD-9 Codes E970-E978) includes injuries inflicted by law-enforcement agents, including military on duty, in the course of arresting or attempting to arrest lawbreakers, suppressing disturbances, maintaining order, and other legal action including legal execution.

Other Selected Causes of Deaths

Diabetes mellitus accounted for 1,415 deaths in 1984, 1,398 deaths in 1985, 1,454 deaths in 1986, 1,562 deaths in 1987 and 1,507 in 1988. The 1987 death rate attributable to diabetes was 20.4 per 100,000 population compared to 19.5 per 100,000 population in 1988.

Septicemia first appeared among the ten leading causes of death in New Jersey residents in 1984. In that year, the number of septicemia deaths was 750, which represented a rate of 10.2 per 100,000 population. The number of septicemia deaths has increased steadily in recent years and in 1988 totalled 1,216, for a rate of 15.7 per 100,000 population. Approximately four of every five septicemia deaths (79.7%) occurred among the elderly. White females had the highest death rate per 100,000 (17.5) and nonwhite females had the lowest (13.7) in 1988.

In late 1986, reporting requirements affecting human immunodeficiency virus infection (AIDS) were enacted into law. The data collection objectives of these requirements were initially realized in 1988. Consequently, statistics generated prior to 1988 probably do not accurately reflect the actual incidence of the disease. Of major concern is the fact that AIDS has become the leading cause of death in the 25 through 44 age group and, furthermore, that it holds the eighth position as a leading cause of death in New Jersey.

Chronic liver diseases and cirrhosis accounted for 1,015 deaths in 1988, compared with 1,038 deaths in 1987, 1,012 deaths in 1986, 1,136 deaths in 1985 and 1,032 deaths in 1984. The death rate attributable to chronic liver disease and cirrhosis fluctuated as follows between 1984 and 1988: 13.7, 15.0, 13.3, 13.5, and 13.1 per 100,000 population.

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 Similar to page D-7 in 1987 report.

LEADING CAUSES OF DEATH
 BY AGE GROUP FOR NEW JERSEY RESIDENTS
 1988

AGE GROUP

RANK	1-14	15-24	25-44	45-64	65+	TOTAL
1	Accidents 155	Accidents 408	AIDS/HIV Infection 919	Malignant Neoplasms 4,906	Heart Diseases 22,669	Heart Diseases 27,339
2	Malignant Neoplasms 58	Homicide 124	Accidents 764	Heart Diseases 4,063	Malignant Neoplasms 11,401	Malignant Neoplasms 17,073
3	Congenital Anomalies 44	Suicide 108	Malignant Neoplasms 647	Cerebrovascular Diseases 521	Cerebrovascular Diseases 3,579	Cerebrovascular Diseases 4,261
4	Homicide 25	Malignant Neoplasms 55	Heart Diseases 527	Chronic liver Diseases and Cirrhosis 417	Pneumonia and Influenza 2,097	Pneumonia and Influenza 2,469
5	Heart Diseases 18	Heart Diseases 35	Suicide 234	Accidents 360	Diabetes 1,108	Accidents 2,308
6	AIDS/HIV Infection 16	AIDS/HIV Infection 28	Homicide 219	Diabetes 326	Septicemia 969	Diabetes 1,507
7	Cerebrovascular Diseases 7	Pneumonia and Influenza 15	Chronic liver Diseases and Cirrhosis 205	Pneumonia and Influenza 218	Nephritis and Nephrosis 711	Septicemia 1,216
8	Meningitis 7	Congenital Anomalies 13	Cerebrovascular Diseases 143	AIDS/HIV Infection 204	Accidents 604	AIDS/HIV Infection 1,212
9	Pneumonia and Influenza 7	Asthma 9	Pneumonia and Influenza 113	Septicemia 157	Arteries Arterioles and Capillaries 602	Chronic liver Diseases and Cirrhosis 1,015
10	Septicemia 7	Cerebrovascular Diseases 9	Diabetes 64	Suicide 138	Atherosclerosis 557	Nephritis and Nephrosis 892
11	Asthma 5	Diabetes 7	Septicemia 64	Nephritis and Nephrosis 120	Chronic liver Diseases and Cirrhosis 391	Arteries Arterioles and Capillaries 732
12	Suicide 4	Complication of Pregnancy/ Septicemia 4	Nephritis and Nephrosis 45	Arteries Arterioles and Capillaries 107	Emphysema 384	Early Infant Mortality 616
Residual **	94	138	888	1,720	6,938	12,048
Total Deaths	447	957	4,832	13,257	52,010	72,688

* Includes persons <1 year of age and persons of unknown age.

** Deaths from all other causes.

NOTE: 1) Suicides are the 17th ranking cause of death among those persons aged 65 and above with 129 deaths from suicide in that age group.

2) HIV refers to Human Immunodeficiency Virus.

Revised D-7 (unknown date)

Nephritis and nephrosis was the underlying cause in 892 resident deaths in 1988. The rate per 100,000 population was 11.6, which represents only a slight decline from the 894 deaths and 11.7 per 100,000 death rate from this cause in 1987. Nearly 80 percent of the deaths occurred in persons 65 and over. Males were more likely to die of nephritis and nephrosis than females. The death rate for nonwhite males was the highest of all sex-race groups (13.2 per 100,000), followed by a rate of 12.0 per 100,000 among white males. Rates for nonwhite and white females were 11.4 and 10.8 per 100,000, respectively.

INFANT, FETAL AND MATERNAL DEATHS

Infant Deaths

Infant mortality refers to deaths within one year following birth. Its rate is calculated by the number of infant deaths per 1,000 live births. In 1988 the number of infant deaths was 1,151, compared to 1,057 in 1987 and 1,055 in 1986. The infant mortality rate was 9.8 per 1,000 live births in 1988, an increase from 9.3 per 1,000 live births in 1987 and 9.7 per 1,000 live births in 1986. The 1988 infant mortality rate for the United States was 1 percent higher than that for New Jersey, 9.9 per 1,000 live births.

Certain high risk groups can be identified that experience high mortality rates, for example, infants of nonwhite women. During 1988 there were 687 white and 456 nonwhite infant deaths, as well as 8 for whom race was unknown. The 1988 infant mortality rate for whites was 7.8 per 1,000 live births, up from 7.1 in 1987. Among nonwhites the infant mortality rate was 2.3 times the white rate, 17.6 infant deaths per 1,000 live births in 1987 and 1988.

Infant deaths due to respiratory distress syndrome, which ranked fourth in 1987, experienced a 41.8% increase in 1988 and are now in first place among the top 10 causes of infant deaths. Infant deaths from this cause increased by 38 cases, from 91 to 129, between 1987 and 1988. Second place was claimed by disorders relating to short gestation and unspecified low birthweight which experienced a decrease of 21.5 percent from 1987. Sudden death, cause unknown, the third ranking cause of infant death in 1987, remained stable and again ranked third in 1988.

**PRINCIPAL CAUSES OF INFANT MORTALITY
1987-1988**

CAUSE DESCRIPTION (ICD-9 CODE)	1988		1987		Percent Change
	Rank	Number	Rank	Number	
Respiratory Distress Syndrome (769)	1	129	4	91	41.8
Disorders relating to short gestation and unspecified low birthweight (765)	2	117	1	149	-21.5
Sudden Death, Cause Unknown (SID's) (798)	3	109	3	103	5.8
Other Respiratory Conditions of Fetus and Newborn (770)	4	107	2	109	-1.8
Other and Ill-defined Conditions Originating in Perinatal Period (779)	5	95	5	87	9.2
Other Congenital Anomalies of Heart (746)	6	52	6	59	-11.9
Congenital Anomalies of Respiratory System (748)	7	39	7	26	50.0
Fetus or Newborn Affected by Maternal Complications of Pregnancy (761)	8	36	7	26	38.5
Congenital Rubella (771)	9	29	10	22	31.8

NOTE: ICD-9 Code 779 includes 779.6, termination of pregnancy.

Neonatal Deaths

Statistics show that most infant deaths occur during the first 28 days of life. These infant deaths are referred to as neonatal deaths. In 1988 there were 784 neonatal deaths, an increase of 68 since 1987. The 1988 neonatal mortality rate was 6.7, an increase of 0.4 per 1,000 live births from the 1987 level of 6.3. New Jersey's 1988 neonatal mortality rate is 4% more than the national rate of 6.4 per 1,000 live births. In 1988 there were 486 white and 291 nonwhite neonatal deaths recorded among New Jersey residents, along with 7 of unknown race. The neonatal mortality rates for whites and nonwhites were 4.9 and 11.5, respectively, in 1987. In 1988 the rates were 5.5 and 11.3, respectively, indicating that the rate for whites increased by 12.2 percent over this period while the rate among nonwhite mothers decreased by 1.7 percent.

Fetal Deaths

A fetal death is defined as a death occurring prior to complete expulsion or extraction of a fetus from its mother or a product of conception. Other commonly used terms are stillbirth and spontaneous abortion. All fetal deaths occurring after the completion of twenty or more weeks of gestation are required by law to be reported to the State Registrar. Thus, induced abortions performed after 19 weeks of gestation are included in these counts of fetal deaths.

The reported number of all fetal deaths and the corresponding fetal death ratio have declined over the past twenty-eight years. In 1960 there were 2,201 fetal deaths with a ratio of 16.6 fetal deaths per 1,000 live births. In 1988 there were 1,192 fetal deaths or 10.1 per 1,000 live births. The lowest level of fetal deaths was recorded in 1983; the number of fetal deaths was 839 and the ratio was 8.5 per 1,000 births.

The number of white fetal deaths increased from 707 in 1985 to 766 in 1986 and 795 in 1987 before falling to 733 in 1988. Nonwhite fetal deaths increased from 323 to 407 between 1983 and 1987 but dipped slightly to 401 in 1988. The fetal death ratio for the white population showed an upward trend, from 6.3 in 1983 to 8.4 per 1,000 live births in 1988. For the nonwhite population, the ratio showed an irregular trend, from 15.5 in 1983 to 17.3 in 1987 and back to 15.5 in 1988.

Perinatal Deaths

Perinatal mortality is a composite statistic used to measure the critical period in human development just prior to birth and shortly thereafter. Perinatal mortality includes all fetal deaths of 20 weeks or more gestation plus neonatal deaths (infant deaths within 28 days of birth). During the last twenty-eight years perinatal deaths have declined dramatically. The perinatal mortality ratio in 1960 was 34.6 per 1,000 live births and has declined to 16.8 in 1988.

There were 1,976 perinatal deaths in 1988, a decrease of 6 from 1987. (Consequently, the perinatal mortality ratio decreased from 17.3 to 16.7 deaths per 1,000 live births.) Perinatal mortality ratios for whites and nonwhites were 13.9 and 26.8 per 1,000 live births, respectively, for 1988. In 1987 the ratio for whites decreased from 14.1 and the ratio for nonwhites decreased from 29.1 per 1,000 births.

Maternal Deaths

Maternal deaths have declined dramatically since 1940 when the number of deaths was 172 and the rate was 29.0 per 10,000 live births. In 1988 there were 6 maternal deaths with a corresponding rate of 0.5 per 10,000 live births. The 1985 figure of 3 maternal deaths with a rate of 0.3 was the lowest both in number and rate to date.

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

TABLE-1

NEW JERSEY
MORTALITY BY RACE, SEX AND AGE: 1974-1988

YEAR	TOTAL		Race		Sex		AGE GROUP						
	Number	Rate	White	Nonwhite	Male	Female	<1	1-4	5-14	15-24	25-44	45-64	65+
1974	66,797	8.9	59,943	6,804	36,013	30,784	1,582	291	376	1,239	3,308	16,825	43,176
1975	65,422	8.9	58,775	6,647	35,104	30,318	1,434	241	381	1,256	3,176	16,288	42,646
1976	65,276	8.9	58,530	6,746	34,777	30,499	1,366	205	355	1,158	3,065	16,103	43,024
1977	65,646	8.9	58,920	6,726	35,046	30,600	1,355	196	375	1,199	2,978	15,983	43,560
1978	65,161	8.9	58,778	6,683	34,722	30,439	1,145	207	332	1,153	2,898	15,419	44,007
1979	65,495	8.9	58,435	7,008	34,648	30,846	1,223	191	354	1,233	3,104	15,215	44,115
1980	68,762	9.3	61,310	7,384	35,926	32,834	1,201	190	273	1,255	3,125	15,154	47,498
1981	67,053	9.1	59,693	7,259	34,848	32,203	1,016	207	287	1,125	3,234	14,827	46,303
1982	67,471	9.1	59,978	7,451	34,967	32,504	1,153	194	276	1,069	3,166	14,663	46,899
1983	68,626	9.2	60,924	7,669	35,312	33,311	1,115	163	234	967	3,190	14,439	48,485
1984	68,944	9.2	60,955	7,948	35,323	33,616	1,090	170	245	913	3,431	14,067	48,993
1985	70,655	9.3	62,064	8,532	36,600	34,031	1,113	178	213	916	3,870	14,298	50,025
1986	71,299	9.4	62,472	8,767	36,313	34,974	1,055	182	242	919	4,324	13,675	50,856
1987	71,728	9.3	62,414	9,198	36,788	34,936	1,057	205	237	908	4,778	13,437	51,082
1988	72,688	9.4	63,240	8,904	36,972	35,707	1,151	210	237	957	4,832	13,257	52,010

Category totals may not add to total given because data of unknown race, sex, and age group are not shown.

TABLE 2

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE
ALL RACES, BOTH SEXES
1988

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNK
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	71	0	0	0	1	15	19	35	0
TUBERCULOSIS, OTHER FORMS (013-018)	6	0	0	0	0	1	4	1	0
MENINGOCOCCAL INFECTION (J36)	11	2	3	0	1	2	2	1	0
SEPTICEMIA (038)	1216	13	3	4	4	64	157	969	2
SYPHILIS & ITS SEQUELAE (090-097)	3	1	0	0	0	0	0	2	0
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	1453	17	17	4	33	970	273	137	2
MALIGNANT NEOPLASMS (140-208)	17073	3	21	37	55	647	4906	11401	3
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	250	2	0	3	2	21	54	168	0
DIABETES MELLITUS (250)	1507	0	1	1	7	64	326	1108	0
NUTRITIONAL DEFICIENCIES (260-269)	79	0	0	0	0	5	4	70	0
ANEMIAS (280-285)	140	3	0	2	3	13	13	106	0
MENINGITIS (320-322)	48	6	3	4	3	5	11	16	0
DISEASES OF THE HEART (390-398,402,404-429)	27339	20	9	9	35	527	4063	22669	7
HYPERTENSION (401,403)	271	1	0	0	1	9	58	202	0
CEREBROVASCULAR DISEASE (430-438)	4261	0	4	3	9	143	521	3579	2
ATHEROSCLEROSIS (440)	611	0	0	0	0	2	52	557	0
ARTERY,ARTERIOLES & CAPILLARY DIS (441-448)	732	0	0	0	2	20	107	602	1
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	24	2	0	0	0	2	2	18	0
PNEUMONIA & INFLUENZA (480-487)	2469	18	5	2	15	113	218	2097	1
CHRONIC & UNSPEC BRONCHITIS (490-491)	92	1	0	2	0	3	12	74	0
EMPHYSEMA (492)	451	1	0	0	0	5	61	384	0
ASTHMA (493)	141	0	0	5	9	30	45	52	0
ULCER OF STOMACH & DUODENUM (531-533)	159	0	0	1	0	3	25	130	0
APPENDICITIS (540-543)	12	1	0	0	0	0	3	8	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	167	1	1	0	0	3	17	145	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	1015	1	0	0	1	205	417	391	0
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	96	0	0	0	1	2	10	83	0
NEPHRITIS & NEPHROSIS (580-589)	892	13	1	0	2	45	120	711	0
INFECTIONS OF KIDNEY (590)	22	0	0	0	0	2	1	19	0
HYPERPLASIA OF PROSTATE (600)	12	0	0	0	0	0	1	11	0
COMP OF PREGNANCY,BIRTH & PUERPERIUM(630-676)	6	0	0	0	4	2	0	0	0
CONGENITAL ANOMALIES (740-759)	378	236	33	11	13	29	24	32	0
EARLY INFANT MORTALITY (760-779)	616	607	3	0	0	0	0	0	6
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	516	123	5	5	17	107	55	200	4
MOTOR VEHICLE ACCIDENTS (E810-E825)	1036	2	12	42	299	303	175	205	1
OTHER ACCIDENTS (E800-E807,E826-E949)	1272	14	51	50	109	464	185	399	0
SUICIDE (E950-E959)	613	0	0	4	108	234	138	129	0
HOMICIDE & LEGAL INTERVENTION(E960-E978)	479	7	13	12	124	219	66	35	3
ALL OTHER EXTERNAL CAUSES (E980-E999)	140	4	2	1	21	83	18	11	0
RESIDUAL	7009	52	23	35	78	472	1094	5253	2
TOTAL	72688	1151	210	237	957	4832	13257	52010	34

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

WHITE - MALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE								UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+		
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	20	0	0	0	0	3	8	9	0	0
TUBERCULOSIS, OTHER FORMS (013-018)	1	0	0	0	0	0	1	0	0	0
MENINGOCOCCAL INFECTION (036)	7	1	2	0	1	1	2	0	0	0
SEPTICEMIA (038)	440	7	0	2	3	20	59	348	1	1
INFECTION/PARA DIS (1-3,5,20-35,37,39-88,98-139)	578	3	4	1	13	380	118	58	1	1
MALIGNANT NEOPLASMS (140-208)	7743	0	8	17	21	261	2159	5275	2	2
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	105	0	0	2	1	10	23	69	0	0
DIABETES MELLITUS (250)	538	0	1	1	2	21	135	378	0	0
NUTRITIONAL DEFICIENCIES (260-269)	29	0	0	0	0	3	2	24	0	0
ANEMIAS (280-285)	36	2	0	1	1	2	5	25	0	0
MENINGITIS (320-322)	17	2	2	2	1	1	4	5	0	0
DISEASES OF THE HEART (390-398,402,404-429)	12212	4	4	3	17	264	2474	9444	2	2
HYPERTENSION (401,403)	103	1	0	0	0	2	24	76	0	0
CEREBROVASCULAR DISEASE (430-438)	1478	0	1	1	0	43	210	1223	0	0
ATHEROSCLEROSIS (440)	215	0	0	0	0	2	33	180	0	0
ARTERY,ARTERIOLES & CAPILLARY DIS (441-448)	406	0	0	0	1	9	65	330	1	1
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	11	1	0	0	0	2	1	7	0	0
PNEUMONIA & INFLUENZA (480-487)	999	6	3	1	4	28	84	872	1	1
CHRONIC & UNSPEC BRONCHITIS (490-491)	43	0	0	0	0	1	7	35	0	0
EMPHYSEMA (492)	238	1	0	0	0	2	31	204	0	0
ASTHMA (493)	40	0	0	1	4	7	14	14	0	0
ULCER OF STOMACH & DUODENUM (531-533)	59	0	0	1	0	2	8	48	0	0
APPENDICITIS (540-543)	5	1	0	0	0	0	0	4	0	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	49	0	0	0	0	1	5	43	0	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	497	0	0	0	0	78	218	201	0	0
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	39	0	0	0	0	2	5	32	0	0
NEPHRITIS & NEPHROSIS (580-589)	367	2	1	0	0	15	47	302	0	0
INFECTIONS OF KIDNEY (590)	6	0	0	0	0	0	1	5	0	0
HYPERPLASIA OF PROSTATE (600)	11	0	0	0	0	0	1	10	0	0
CONGENITAL ANOMALIES (740-759)	153	99	14	3	7	12	7	11	0	0
EARLY INFANT MORTALITY (760-779)	209	206	1	0	0	0	0	0	2	2
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	210	41	3	1	11	47	25	79	3	3
MOTOR VEHICLE ACCIDENTS (E810-E825)	576	1	5	18	184	180	97	91	0	0
OTHER ACCIDENTS (E800-E807,E826-E949)	642	2	23	21	68	265	100	163	0	0
SUICIDE (E950-E959)	425	0	0	4	74	157	96	94	0	0
HOMICIDE & LEGAL INTERVENTION(E960-E978)	148	1	1	1	26	73	29	17	0	0
ALL OTHER EXTERNAL CAUSES (E980-E999)	69	1	0	1	8	45	7	7	0	0
RESIDUAL	2944	13	9	10	33	179	517	2182	1	1
TOTAL DEATHS WHITE - MALE	31668	395	82	92	480	2118	6622	21865	14	14

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

WHITE - FEMALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	17	0	0	0	0	1	2	14	0
TUBERCULOSIS, OTHER FORMS (013-018)	2	0	0	0	0	1	0	1	0
MENINGOCOCCAL INFECTION (036)	2	1	0	0	0	0	0	1	0
SEPTICEMIA (038)	573	3	3	0	1	16	47	503	0
SYPHILIS & ITS SEQUELAE (090-097)	2	0	0	0	0	0	0	2	0
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	167	5	2	1	1	65	31	62	0
MALIGNANT NEOPLASMS (140-208)	7465	3	11	9	21	254	1967	5200	0
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	107	2	0	0	1	7	24	73	0
DIABETES MELLITUS (250)	705	0	0	0	1	21	106	577	0
NUTRITIONAL DEFICIENCIES (260-269)	42	0	0	0	0	0	2	40	0
ANEMIAS (280-285)	73	0	0	0	0	1	4	68	0
MENINGITIS (320-322)	10	0	0	1	0	0	1	8	0
DISEASES OF THE HEART (390-398,402,404-429)	12635	7	2	3	5	88	908	11620	2
HYPERTENSION (401,403)	112	0	0	0	1	0	13	98	0
CEREBROVASCULAR DISEASE (430-438)	2230	0	2	2	6	39	160	2020	1
ATHEROSCLEROSIS (440)	349	0	0	0	0	0	11	338	0
ARTERY, ARTERIOLES & CAPILLARY DIS (441-448)	277	0	0	0	0	3	25	249	0
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	10	1	0	0	0	0	0	9	0
PNEUMONIA & INFLUENZA (480-487)	1186	2	1	0	4	15	69	1095	0
CHRONIC & UNSPEC BRONCHITIS (490-491)	41	0	0	1	0	0	3	37	0
EMPHYSEMA (492)	185	0	0	0	0	1	24	160	0
ASTHMA (493)	64	0	0	1	1	11	17	34	0
ULCER OF STOMACH & DUODENUM (531-533)	80	0	0	0	0	0	7	73	0
APPENDICITIS (540-543)	2	0	0	0	0	0	0	2	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	95	0	1	0	0	0	8	86	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	328	0	0	0	0	45	113	170	0
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	53	0	0	0	0	0	4	49	0
NEPHRITIS & NEPHROSIS (580-589)	355	6	0	0	0	4	31	314	0
INFECTIONS OF KIDNEY (590)	13	0	0	0	0	1	0	12	0
COMP OF PREGNANCY, BIRTH & PUERPERIUM(630-676)	2	0	0	0	1	1	0	0	0
CONGENITAL ANOMALIES (740-759)	128	67	9	5	3	12	14	18	0
EARLY INFANT MORTALITY (760-779)	147	144	1	0	0	0	0	0	2
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	180	26	1	3	1	23	15	111	0
MOTOR VEHICLE ACCIDENTS (E810-E825)	302	0	5	15	66	60	49	107	0
OTHER ACCIDENTS (E800-E807, E826-E949)	293	4	5	6	8	33	40	192	0
SUICIDE (E950-E959)	127	0	0	0	18	42	34	33	0
HOMICIDE & LEGAL INTERVENTION(E960-E978)	73	1	0	6	18	31	9	8	0
ALL OTHER EXTERNAL CAUSES (E980-E999)	25	1	1	0	3	13	5	2	0
RESIDUAL	3109	18	5	14	20	89	337	2626	0
TOTAL DEATHS WHITE - FEMALE	31566	291	49	67	180	882	4080	26012	5

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

BLACK - MALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	19	0	0	0	0	8	7	4	0
SEPTICEMIA (038)	99	0	0	1	0	14	30	54	0
SYPHILIS & ITS SEQUELAE (090-097)	1	1	0	0	0	0	0	0	0
INFECTION/PARA DIS (1-3,5,20-35,37,39-88,98-139)	489	6	4	0	14	362	92	11	0
MALIGNANT NEOPLASMS (140-208)	966	0	0	6	9	43	393	514	1
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	10	0	0	0	0	2	2	6	0
DIABETES MELLITUS (250)	98	0	0	0	1	13	37	47	0
NUTRITIONAL DEFICIENCIES (260-269)	4	0	0	0	0	2	0	2	0
ANEMIAS (280-295)	14	1	0	1	1	5	0	6	0
MENINGITIS (320-322)	11	1	1	0	1	4	3	1	0
DISEASES OF THE HEART (390-398,402,404-429)	1202	4	1	1	8	102	400	684	2
HYPERTENSION (401,403)	24	0	0	0	0	3	11	10	0
CEREBROVASCULAR DISEASE (430-438)	238	0	0	0	1	35	85	117	0
ATHEROSCLEROSIS (440)	15	0	0	0	0	0	3	12	0
ARTERY, ARTERIOLES & CAPILLARY DIS (441-448)	24	0	0	0	1	7	7	9	0
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	2	0	0	0	0	0	1	1	0
PNEUMONIA & INFLUENZA (480-487)	160	5	1	1	4	45	42	62	0
CHRONIC & UNSPEC BRONCHITIS (490-491)	4	0	0	1	0	1	2	0	0
EMPHYSEMA (492)	18	0	0	0	0	2	4	12	0
ASTHMA (493)	20	0	0	3	4	4	7	2	0
ULCER OF STOMACH & DUODENUM (531-533)	12	0	0	0	0	1	9	2	0
APPENDICITIS (540-543)	4	0	0	0	0	0	2	2	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	16	1	0	0	0	2	4	9	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	122	0	0	0	1	57	56	8	0
NEPHRITIS & NEPHROSIS (580-589)	82	0	0	0	0	22	24	36	0
INFECTIONS OF KIDNEY (590)	2	0	0	0	0	0	0	2	0
CONGENITAL ANOMALIES (740-759)	39	27	5	1	3	2	1	0	0
EARLY INFANT MORTALITY (760-779)	145	144	0	0	0	0	0	0	1
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	71	28	1	1	3	21	10	6	1
MOTOR VEHICLE ACCIDENTS (E810-E825)	93	1	1	7	31	32	16	5	0
OTHER ACCIDENTS (E800-E807, E826-E949)	229	6	9	16	22	117	38	21	0
SUICIDE (E950-E959)	44	0	0	0	13	24	5	2	0
HOMICIDE & LEGAL INTERVENTION (E960-E978)	196	2	5	1	68	87	22	9	2
ALL OTHER EXTERNAL CAUSES (E980-E999)	26	1	1	0	6	15	3	0	0
RESIDUAL	493	9	5	7	14	130	123	205	0
TOTAL DEATHS BLACK - MALE	4992	237	34	47	205	1162	1439	1861	7

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

BLACK - FEMALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	13	0	0	0	1	4	2	6	0
TUBERCULOSIS, OTHER FORMS (013-018)	3	0	0	0	0	0	3	0	0
MENINGOCOCCAL INFECTION (036)	1	0	0	0	0	1	0	0	0
SEPTICEMIA (038)	97	3	0	1	0	13	20	60	0
INFECTION/PARA DIS (1-3,5,20-35,37,39-88,98-139)	194	3	7	1	4	153	23	5	1
MALIGNANT NEOPLASMS (140-208)	779	0	1	4	3	75	327	369	0
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	24	0	0	1	0	2	5	16	0
DIABETES MELLITUS (250)	156	0	0	0	3	8	44	101	0
NUTRITIONAL DEFICIENCIES (260-269)	3	0	0	0	0	0	0	3	0
ANEMIAS (280-285)	16	0	0	0	1	5	4	6	0
MENINGITIS (320-322)	9	3	0	1	1	0	2	2	0
DISEASES OF THE HEART (390-398,402,404-429)	1135	5	2	2	4	60	236	825	1
HYPERTENSION (401,403)	31	0	0	0	0	4	9	18	0
CEREBROVASCULAR DISEASE (430-438)	287	0	1	0	2	23	60	201	0
ATHEROSCLEROSIS (440)	31	0	0	0	0	0	5	26	0
ARTERY, ARTERIOLES & CAPILLARY DIS (441-448)	22	0	0	0	0	1	7	14	0
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	1	0	0	0	0	0	0	1	0
PNEUMONIA & INFLUENZA (480-487)	107	5	0	0	3	24	20	55	0
CHRONIC & UNSPEC BRONCHITIS (490-491)	4	1	0	0	0	1	0	2	0
EMPHYSEMA (492)	6	0	0	0	0	0	1	5	0
ASTHMA (493)	17	0	0	0	0	8	7	2	0
ULCER OF STOMACH & DUODENUM (531-533)	7	0	0	0	0	0	1	6	0
APPENDICITIS (540-543)	1	0	0	0	0	0	1	0	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	6	0	0	0	0	0	0	6	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	60	1	0	0	0	25	26	8	0
CHOLELITHIASIS & GALLBLADDER DISEASE (574-575)	3	0	0	0	1	0	0	2	0
NEPHRITIS & NEPHROSIS (580-589)	82	4	0	0	2	3	17	56	0
COMP OF PREGNANCY, BIRTH & PUERPERIUM (630-676)	4	0	0	0	3	1	0	0	0
CONGENITAL ANOMALIES (740-759)	45	34	4	0	0	3	2	2	0
EARLY INFANT MORTALITY (760-779)	97	96	1	0	0	0	0	0	0
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	48	25	0	0	2	14	5	2	0
MOTOR VEHICLE ACCIDENTS (E810-E825)	35	0	0	1	11	15	8	0	0
OTHER ACCIDENTS (E800-E807, E826-E949)	98	2	13	7	8	42	6	20	0
SUICIDE (E950-E959)	8	0	0	0	2	5	0	0	0
HOMICIDE & LEGAL INTERVENTION (E960-E978)	55	3	7	3	11	24	5	1	1
ALL OTHER EXTERNAL CAUSES (E980-E999)	16	0	0	0	4	8	3	1	0
RESIDUAL	410	10	3	2	9	68	102	215	1
TOTAL DEATHS BLACK - FEMALE	3911	195	39	23	75	588	951	2036	4

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

OTHER - MALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	2	0	0	0	0	0	0	2	0
MENINGOCOCCAL INFECTION (036)	1	0	1	0	0	0	0	0	0
SEPTICEMIA (038)	1	0	0	0	0	0	0	0	0
INFC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	20	0	0	1	1	11	7	0	0
MALIGNANT NEOPLASMS (140-208)	60	0	0	0	1	4	28	27	0
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	4	0	0	0	0	0	0	4	0
DIABETES MELLITUS (250)	3	0	0	0	0	1	1	1	0
MENINGITIS (320-322)	1	0	0	0	0	0	0	1	0
DISEASES OF THE HEART (390-398,402,404-429)	86	0	0	0	0	8	27	51	0
CEREBROVASCULAR DISEASE (430-438)	5	0	0	0	0	0	1	4	0
ARTERY,ARTERIOLES & CAPILLARY DIS (441-448)	1	0	0	0	0	0	1	0	0
PNEUMONIA & INFLUENZA (480-487)	8	0	0	0	0	0	2	6	0
EMPHYSEMA (492)	1	0	0	0	0	0	1	0	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	1	0	0	0	0	0	0	1	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	3	0	0	0	0	0	2	1	0
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	1	0	0	0	0	0	1	0	0
NEPHRITIS & NEPHROSIS (580-589)	3	0	0	0	0	1	1	1	0
HYPERPLASIA OF PROSTATE (600)	1	0	0	0	0	0	0	1	0
CONGENITAL ANOMALIES (740-759)	5	3	1	1	0	0	0	0	0
EARLY INFANT MORTALITY (760-779)	3	3	0	0	0	0	0	0	0
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	3	1	0	0	0	0	0	2	0
MOTOR VEHICLE ACCIDENTS (E810-E825)	19	0	0	1	5	10	2	1	0
OTHER ACCIDENTS (E800-E807,E826-E949)	6	0	1	0	2	1	1	1	0
SUICIDE (E950-E959)	5	0	0	0	1	2	2	0	0
HOMICIDE & LEGAL INTERVENTION(E960-E978)	7	0	0	1	1	4	1	0	0
ALL OTHER EXTERNAL CAUSES (E980-E999)	3	1	0	0	0	1	0	1	0
RESIDUAL	23	2	0	1	0	4	6	10	0
TOTAL DEATHS OTHER - MALE	276	10	3	5	11	47	86	114	0

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

OTHER - FEMALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
SEPTICEMIA (038)	4	0	0	0	0	0	0	4	0
INFC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	1	0	0	0	0	0	0	1	0
MALIGNANT NEOPLASMS (140-208)	50	0	0	1	0	7	28	14	0
DIABETES MELLITUS (250)	5	0	0	0	0	0	2	3	0
NUTRITIONAL DEFICIENCIES (260-269)	1	0	0	0	0	0	0	1	0
ANEMIAS (280-285)	1	0	0	0	0	0	0	1	0
DISEASES OF THE HEART (390-398,402,404-429)	56	0	0	0	1	4	12	39	0
CEREBROVASCULAR DISEASE (430-438)	19	0	0	0	0	3	5	11	0
ATHEROSCLEROSIS (440)	1	0	0	0	0	0	0	1	0
ARTERY,ARTERIOLES & CAPILLARY DIS (441-448)	2	0	0	0	0	0	2	0	0
PNEUMONIA & INFLUENZA (480-487)	5	0	0	0	0	0	1	4	0
EMPHYSEMA (492)	1	0	0	0	0	0	0	1	0
ULCER OF STOMACH & DUODENUM (531-533)	1	0	0	0	0	0	0	1	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	5	0	0	0	0	0	2	3	0
NEPHRITIS & NEPHROSIS (580-589)	2	1	0	0	0	0	0	1	0
INFECTIONS OF KIDNEY (590)	1	0	0	0	0	1	0	0	0
CONGENITAL ANOMALIES (740-759)	7	5	0	1	0	0	0	1	0
EARLY INFANT MORTALITY (760-779)	6	6	0	0	0	0	0	0	0
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	4	2	0	0	0	2	0	0	0
MOTOR VEHICLE ACCIDENTS (E810-E825)	10	0	1	0	2	3	3	1	0
OTHER ACCIDENTS (E800-E807,E826-E949)	3	0	0	0	1	1	0	1	0
SUICIDE (E950-E959)	2	0	0	0	0	1	1	0	0
RESIDUAL	22	0	0	1	2	0	8	11	0
TOTAL DEATHS OTHER - FEMALE	209	14	1	3	6	22	64	99	0

TABLE 2 (Continued)

RESIDENT DEATHS--BY ICD-9 CAUSE GROUP AND AGE

1988

UNKNOWN - MALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
SEPTICEMIA (038)	2	0	0	0	0	1	0	0	1
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	3	0	0	0	0	1	2	0	0
MALIGNANT NEOPLASMS (140-208)	6	0	1	0	0	2	2	1	0
DIABETES MELLITUS (250)	1	0	0	0	0	0	1	0	0
DISEASES OF THE HEART (390-398,402,404-429)	7	0	0	0	0	1	4	2	0
CEREBROVASCULAR DISEASE (430-438)	3	0	0	0	0	0	0	2	1
PNEUMONIA & INFLUENZA (480-487)	1	0	0	0	0	1	0	0	0
EMPHYSEMA (492)	1	0	0	0	0	0	0	1	0
CONGENITAL ANOMALIES (740-759)	1	1	0	0	0	0	0	0	0
EARLY INFANT MORTALITY (760-779)	6	5	0	0	0	0	0	0	1
MOTOR VEHICLE ACCIDENTS (E810-E825)	1	0	0	0	0	0	0	0	1
ALL OTHER EXTERNAL CAUSES (E980-E999)	1	0	0	0	0	1	0	0	0
RESIDUAL	3	0	0	0	0	1	1	1	0
TOTAL DEATHS UNKNOWN - MALE	36	6	1	0	0	8	10	7	4

UNKNOWN - FEMALE

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	1	0	0	0	0	1	0	0	0
MALIGNANT NEOPLASMS (140-208)	2	0	0	0	0	1	1	0	0
DIABETES MELLITUS (250)	1	0	0	0	0	0	0	1	0
DISEASES OF THE HEART (390-398,402,404-429)	4	0	0	0	0	0	2	2	0
HYPERTENSION (401,403)	1	0	0	0	0	0	1	0	0
CEREBROVASCULAR DISEASE (430-438)	1	0	0	0	0	0	0	1	0
PNEUMONIA & INFLUENZA (480-487)	3	0	0	0	0	0	0	3	0
NEPHRITIS & NEPHROSIS (580-589)	1	0	0	0	0	0	0	1	0
EARLY INFANT MORTALITY (760-779)	2	2	0	0	0	0	0	0	0
OTHER ACCIDENTS (E800-E807,E826-E949)	1	0	0	0	0	0	0	1	0
RESIDUAL	4	0	1	0	0	1	0	2	0
TOTAL DEATHS UNKNOWN - FEMALE	21	2	1	0	0	3	4	11	0

WHITE - UNKNOWN SEX

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
MALIGNANT NEOPLASMS (140-208)	2	0	0	0	0	0	1	1	0
DISEASES OF THE HEART (390-398,402,404-429)	2	0	0	0	0	0	0	2	0
EARLY INFANT MORTALITY (760-779)	1	1	0	0	0	0	0	0	0
RESIDUAL	1	0	0	0	0	0	0	1	0
TOTAL DEATHS WHITE - UNKNOWN SEX	6	1	0	0	0	0	1	4	0

BLACK - UNKNOWN SEX

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
EMPHYSEMA (492)	1	0	0	0	0	0	0	1	0
TOTAL DEATHS BLACK - UNKNOWN SEX	1	0	0	0	0	0	0	1	0

OTHER - UNKNOWN SEX

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	AGE							UNK
		<1	1-4	5-14	15-24	25-44	45-64	65+	
SUICIDE (E950-E959)	2	0	0	0	0	2	0	0	0
TOTAL DEATHS OTHER - UNKNOWN SEX	2	0	0	0	0	2	0	0	0

TOTAL	72688	1151	210	237	957	4832	13257	52010	34
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TABLE-3

RESIDENT DEATHS--MALIGNANT NEOPLASMS
AGE GROUP
1988

CAUSE	TOTAL	AGE GROUP								UNKN.
		<1	1-4	5-14	15-24	25-44	45-64	65+		
A	316	1	1	0	0	17	117	180	0	
B	4517	0	1	0	3	108	1123	3281	1	
C	4631	0	1	0	3	83	1593	2954	0	
D	1612	0	0	0	1	116	592	903	0	
E	1795	0	0	0	3	63	395	1333	1	
F	687	0	1	1	3	16	154	512	0	
G	2093	1	11	18	20	131	615	1296	1	
H	534	0	4	16	10	44	107	353	0	
I	888	1	2	2	12	69	213	589	0	
TOTAL	17073	3	21	37	55	647	4906	11401	3	

** CAUSE OF DEATH AND RELATED ICD-9 CODES **

A = LIP, ORAL CAVITY, AND PHARYNX (140-149)
 B = DIGESTIVE ORGANS AND PERITONEUM (150-159)
 C = RESPIRATORY AND INTRATHORACIC ORGANS (160-165)
 D = BREAST (174-175)
 E = GENITAL ORGANS (179-187)
 F = URINARY ORGANS (188-189)
 G = ALL OTHER AND UNSPECIFIED SITES (170-173, 190-199)
 H = LEUKEMIA (204-208)
 I = OTHER LYMPHATIC AND HEMATOPOIETIC TISSUES (200-203)

TABLE-4

RESIDENT DEATHS -- MALIGNANT NEOPLASMS
RACE AND SEX
1988

CAUSE	TOTAL				WHITE			BLACK			OTHER		
	TOTAL	MALE	FEMALE	UNKN	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
A	316	213	103	0	252	168	84	60	41	19	4	4	0
B	4517	2367	2150	0	4038	2100	1938	441	239	202	38	28	10
C	4631	2966	1663	2	4100	2595	1503	514	360	154	17	11	6
D	1612	13	1599	0	1432	12	1420	161	1	160	12	0	19
E	1795	935	860	0	1564	803	761	227	131	96	4	1	3
F	687	433	254	0	628	400	228	52	27	25	7	6	1
G	2093	1121	972	0	1892	1000	892	184	114	70	17	7	10
H	534	276	258	0	500	261	239	30	13	17	4	2	2
I	888	451	437	0	804	404	400	76	40	36	8	7	1
TOTAL	17073	8775	8296	2	15210	7743	7465	1745	966	779	118	66	52

** CAUSE OF DEATH AND RELATED ICD-9 CODES **

A = LIP, ORAL CAVITY, AND PHARYNX (140-149)
 B = DIGESTIVE ORGANS AND PERITONEUM (150-159)
 C = RESPIRATORY AND INTRATHORACIC ORGANS (160-165)
 D = BREAST (174-175)
 E = GENITAL ORGANS (179-187)
 F = URINARY ORGANS (188-189)
 G = ALL OTHER AND UNSPECIFIED SITES (170-173, 190-199)
 H = LEUKEMIA (204-208)
 I = OTHER LYMPHATIC AND HEMATOPOIETIC TISSUES (200-203)

TABLE-5

RESIDENT DEATHS--BY CAUSE GROUP AND COUNTY
1988

CAUSE GROUP AND RELATED ICD-9 CODES	TOTAL	COUNTY						
		1	2	3	4	5	6	7
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	71	3	4	2	3	1	1	19
TUBERCULOSIS, OTHER FORMS (013-018)	6	0	0	0	0	0	0	1
MENINGOCOCCAL INFECTION (J36)	11	0	3	0	1	0	0	0
SEPTICEMIA (038)	1216	43	111	23	86	32	24	171
SYPHILIS & ITS SEQUELAE (090-097)	3	0	0	0	0	0	0	2
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	1453	35	91	20	42	0	8	431
MALIGNANT NEOPLASMS (140-208)	17073	581	2025	723	1060	296	287	1760
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	250	4	36	2	18	4	10	25
DIABETES MELLITUS (250)	1507	64	150	39	66	9	28	196
NUTRITIONAL DEFICIENCIES (260-269)	79	3	5	1	7	6	2	11
ANEMIAS (280-285)	140	2	6	3	5	1	3	34
MENINGITIS (320-322)	48	1	5	1	2	0	2	10
DISEASES OF THE HEART (390-398,402,404-429)	27339	958	3065	1093	1604	513	546	2836
HYPERTENSION (401,403)	271	7	23	10	16	6	9	34
CEREBROVASCULAR DISEASE (430-438)	4261	161	487	171	259	74	88	512
ARTERIOSCLEROSIS (440)	611	30	55	13	35	3	12	41
ARTERY,ARTERIOLES & CAPILLARY DIS (441-448)	732	25	89	34	50	13	11	68
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	24	1	4	1	2	0	0	2
PNEUMONIA & INFLUENZA (480-487)	2469	74	230	116	144	25	35	306
CHRONIC & UNSPEC BRONCHITIS (490-491)	92	5	9	5	6	1	3	11
EMPHYSEMA (492)	451	16	51	17	22	10	7	26
ASTHMA (493)	141	4	10	3	11	2	2	23
ULCER OF STOMACH & DUODENUM (531-533)	159	3	13	10	8	4	1	26
APPENDICITIS (540-543)	12	0	1	1	3	0	0	2
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	167	4	17	6	6	3	2	24
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	1015	31	84	28	53	14	13	157
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	96	1	11	5	4	0	2	8
NEPHRITIS & NEPHROSIS (580-589)	892	30	70	37	66	20	16	145
INFECTIONS OF KIDNEY (590)	22	1	5	0	2	0	0	3
HYPERPLASIA OF PROSTATE (600)	12	0	1	0	0	0	0	1
COMP OF PREGNANCY,BIRTH & PUERPERIUM(630-676)	6	0	0	0	0	0	0	1
CONGENITAL ANOMALIES (740-759)	378	11	27	14	32	2	10	60
EARLY INFANT MORTALITY (760-779)	616	17	38	29	56	4	17	104
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	516	12	60	18	40	7	16	82
MOTOR VEHICLE ACCIDENTS (E810-E825)	1036	51	99	66	69	19	41	79
OTHER ACCIDENTS (E800-E807,E826-E949)	1272	55	118	53	109	18	26	205
SUICIDE (E950-E959)	613	18	69	34	35	11	13	57
HOMICIDE & LEGAL INTERVENTION(E960-E978)	479	8	19	10	34	7	8	167
ALL OTHER EXTERNAL CAUSES (E980-E999)	140	6	9	7	6	0	3	33
RESIDUAL	7009	237	660	289	452	130	146	888
TOTAL	72688	2502	7760	2884	4414	1235	1392	8561

** COUNTIES **

1= ATLANTIC 3= BURLINGTON
2= BERGEN 4= CAMDEN5= CAPE MAY 7= ESSEX
6= CUMBERLAND

TABLE-5 (Continued)

RESIDENT DEATHS--BY CAUSE GROUP AND COUNTY
1988

CAUSE GROUP AND RELATED ICD-9 CODES	COUNTY							
	8	9	10	11	12	13	14	15
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	1	11	0	5	3	1	1	3
TUBERCULOSIS, OTHER FORMS (013-018)	0	1	0	1	1	0	0	1
MENINGOCOCCAL INFECTION (036)	0	0	0	1	4	0	0	0
SEPTICEMIA (038)	28	118	8	39	80	89	47	116
SYPHILIS & ITS SEQUELAE (090-097)	0	0	0	0	1	0	0	0
INFEC/PARA DIS (1-3,5,20-35,37,39-88,98-139)	16	239	1	40	86	68	30	39
MALIGNANT NEOPLASMS (140-208)	436	1243	146	704	1358	1209	746	1291
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	9	19	2	15	20	17	8	17
DIABETES MELLITUS (250)	45	143	10	71	103	121	44	115
NUTRITIONAL DEFICIENCIES (260-269)	0	6	0	3	13	4	2	4
ANEMIAS (280-285)	3	14	4	6	10	11	5	8
MENINGITIS (320-322)	2	6	0	4	2	2	2	1
DISEASES OF THE HEART (390-398,402,404-429)	622	2207	219	1145	1875	1846	1211	2262
HYPERTENSION (401,403)	5	28	0	17	13	30	14	12
CEREBROVASCULAR DISEASE (430-438)	91	307	55	180	270	308	190	328
ARTERIOSCLEROSIS (440)	56	30	6	24	100	101	20	21
ARTERY, ARTERIOLES & CAPILLARY DIS (441-448)	15	48	4	29	51	50	30	71
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	1	1	0	1	0	2	2	1
PNEUMONIA & INFLUENZA (480-487)	54	207	33	125	172	161	126	194
CHRONIC & UNSPEC BRONCHITIS (490-491)	0	5	2	5	4	7	0	15
EMPHYSEMA (492)	5	33	3	15	39	56	24	43
ASTHMA (493)	6	13	3	7	8	14	5	1
ULCER OF STOMACH & DUODENUM (531-533)	4	13	2	7	10	13	8	12
APPENDICITIS (540-543)	0	0	1	1	0	0	0	2
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	4	11	3	7	10	18	9	16
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	23	99	6	37	88	73	43	65
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	2	11	2	6	6	5	5	10
NEPHRITIS & NEPHROSIS (580-589)	25	88	8	41	29	68	19	71
INFECTIONS OF KIDNEY (590)	0	2	0	0	1	3	1	1
HYPERPLASIA OF PROSTATE (600)	0	4	0	0	1	1	1	0
COMP OF PREGNANCY, BIRTH & PUERPERIUM(630-676)	0	1	0	0	1	0	1	1
CONGENITAL ANOMALIES (740-759)	9	33	4	20	27	25	15	22
EARLY INFANT MORTALITY (760-779)	25	54	6	39	45	32	23	29
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	20	38	6	13	44	21	14	26
MOTOR VEHICLE ACCIDENTS (E810-E825)	45	52	14	39	81	49	67	82
OTHER ACCIDENTS (E800-E807, E826-E949)	39	96	14	80	76	63	48	54
SUICIDE (E950-E959)	17	43	13	25	54	34	37	36
HOMICIDE & LEGAL INTERVENTION(E960-E978)	13	51	0	25	14	18	14	10
ALL OTHER EXTERNAL CAUSES (E980-E999)	3	20	0	2	4	9	0	4
RESIDUAL	185	596	67	338	560	461	245	517
TOTAL	1809	5891	642	3117	5264	4990	3057	5501

** COUNTIES **

8= GLOUCESTER
9= HUDSON10= HUNTERDON
11= MERCER12= MIDDLESEX
13= MONMOUTH14= MORRIS
15= OCEAN

TABLE-5 (Continued)

RESIDENT DEATHS--BY CAUSE GROUP AND COUNTY
1988

CAUSE GROUP AND RELATED ICD-9 CODES	COUNTY							
	16	17	18	19	20	21	22	23
TUBERCULOSIS, RESPIRATORY SYSTEM (010-012)	7	0	0	1	5	0	0	0
TUBERCULOSIS, OTHER FORMS (013-018)	0	0	0	0	1	0	0	0
MENINGOCOCCAL INFECTION (036)	1	0	0	0	1	0	0	0
SEPTICEMIA (038)	62	7	16	6	97	13	0	0
INFECTION/PARA DIS (1-3,5,20-35,37,39-88,98-139)	150	7	29	7	110	3	0	1
MALIGNANT NEOPLASMS (140-208)	1011	164	418	212	1238	191	1	3
BENIGN & UNSPECIFIED NEOPLASMS (210-239)	13	1	9	4	13	4	0	0
DIABETES MELLITUS (250)	121	14	28	19	111	10	0	0
NUTRITIONAL DEFICIENCIES (260-269)	3	1	1	0	5	2	0	0
ANEMIAS (280-285)	11	2	3	2	5	2	0	0
MENINGITIS (320-322)	3	0	3	0	2	0	0	0
DISEASES OF THE HEART (390-398,402,404-429)	1846	285	597	295	1974	338	0	2
HYPERTENSION (401,403)	19	1	5	2	19	1	0	0
CEREBROVASCULAR DISEASE (430-438)	271	37	83	53	284	52	0	0
ARTERIOSCLEROSIS (440)	15	4	7	14	21	3	0	0
ARTERY, ARTERIOLES & CAPILLARY DIS (441-448)	29	11	23	14	52	15	0	0
ACUTE BRONCHITIS & BRONCHIOLITIS (466)	1	1	1	1	1	1	0	0
PNEUMONIA & INFLUENZA (480-487)	160	12	54	29	176	33	1	2
CHRONIC & UNSPEC BRONCHITIS (490-491)	8	2	1	2	1	0	0	0
EMPHYSEMA (492)	23	2	9	7	38	5	0	0
ASTHMA (493)	6	1	3	3	14	2	0	0
ULCER OF STOMACH & DUODENUM (531-533)	11	0	0	4	9	0	0	1
APPENDICITIS (540-543)	0	0	1	0	0	0	0	0
HERNIA & INTESTINAL OBSTRUCTION (550-553,560)	9	1	3	2	11	0	1	0
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	79	7	20	15	70	7	0	3
CHOLELITHIASIS & GALLBLADDER DISEASE(574-575)	2	1	2	4	8	1	0	0
NEPHRITIS & NEPHROSIS (580-589)	58	9	14	11	57	10	0	0
INFECTIONS OF KIDNEY (590)	2	0	0	0	0	0	0	1
HYPERPLASIA OF PROSTATE (600)	1	0	2	0	0	0	0	0
COMP OF PREGNANCY, BIRTH & PUERPERIUM(630-676)	1	0	0	0	0	0	0	0
CONGENITAL ANOMALIES (740-759)	25	3	7	4	20	5	1	2
EARLY INFANT MORTALITY (760-779)	34	4	16	3	35	4	0	2
SYMPTOMS, SIGNS & ILL-DEFINED COND (780-799)	50	2	9	6	32	0	0	0
MOTOR VEHICLE ACCIDENTS (E810-E825)	50	16	29	12	54	19	0	3
OTHER ACCIDENTS (E800-E807, E826-E949)	70	10	28	12	89	6	0	3
SUICIDE (E950-E959)	30	7	18	12	39	11	0	0
HOMICIDE & LEGAL INTERVENTION(E960-E978)	34	5	7	6	26	3	0	0
ALL OTHER EXTERNAL CAUSES (E980-E999)	14	1	0	1	17	1	0	0
RESIDUAL	364	66	150	82	492	82	0	2
TOTAL	4594	684	1596	845	5097	824	4	25

** COUNTIES **

16= PASSAIC 18= SOMERSET 20= UNION 22= STATE INST
 17= SALEM 19= SUSSEX 21= WARREN 23= MILITARY

TABLE-6
RESIDENT DEATHS BY COUNTY AND MONTH
1988

COUNTY OF RESIDENCE	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNKN
ATLANTIC	2502	264	215	235	207	202	191	191	189	183	197	215	213	0
BERGEN	7760	713	635	736	648	533	597	624	609	628	631	614	692	0
BURLINGTON	2884	293	252	280	227	232	209	225	219	202	254	243	248	0
CAMDEN	4414	431	342	431	351	361	328	352	357	361	365	339	396	0
CAPE MAY	1235	109	103	95	87	106	95	92	105	104	105	124	110	0
CUMBERLAND	1392	147	121	134	109	136	87	113	112	102	107	114	110	0
ESSEX	8561	789	728	753	677	654	669	679	708	694	762	714	734	0
GLOUCESTER	1809	175	146	180	153	147	153	114	127	141	157	149	167	0
HUDSON	5891	545	498	561	483	452	474	491	473	489	514	439	472	0
HUNTERDON	642	66	52	71	56	47	53	39	51	53	54	59	44	0
MERCER	3117	325	261	269	252	274	205	255	243	216	281	250	286	0
MIDDLESEX	5264	529	494	477	431	383	413	399	401	420	445	425	447	0
MONMOUTH	4990	452	409	455	418	408	393	429	413	385	411	379	438	0
MORRIS	3057	296	273	284	244	250	245	218	231	225	254	251	285	0
OCEAN	5501	505	479	516	439	438	456	434	414	431	487	438	464	0
PASSAIC	4594	422	390	442	348	375	386	345	347	360	374	375	430	0
SALEM	684	68	56	49	49	56	57	61	46	67	64	52	59	0
SOMERSET	1596	136	135	160	134	135	128	117	126	118	147	114	146	0
SUSSEX	845	76	70	71	68	65	63	78	69	62	78	80	65	0
UNION	5097	470	439	471	415	403	418	395	394	402	428	405	457	0
WARREN	824	80	62	57	71	62	62	59	82	72	84	64	69	0
STATE INST	4	0	0	0	0	1	2	0	0	0	0	0	1	0
MILITARY	25	3	2	3	2	2	2	1	1	4	1	2	2	0
TOTAL	72688	6894	6162	6730	5869	5822	5684	5711	5717	5719	6200	5845	6335	0

TABLE-7
RESIDENT DEATHS--BY COUNTY AND AGE GROUP
1988

COUNTY OF RESIDENCE	TOTAL	AGE GROUP								UNKN.
		<1	1-4	5-14	15-24	25-44	45-64	65+		
ATLANTIC	2502	32	7	9	30	176	423	1821	4	
BERGEN	7760	61	13	13	74	320	1355	5924	0	
BURLINGTON	2884	53	6	20	53	172	546	2033	1	
CAMDEN	4414	99	19	22	53	275	850	3094	2	
CAPE MAY	1235	11	2	1	9	45	187	979	1	
CUMBERLAND	1392	32	2	6	25	81	278	968	0	
ESSEX	8561	214	38	32	178	1039	1710	5336	14	
GLOUCESTER	1809	37	7	13	31	97	378	1246	0	
HUDSON	5891	100	24	19	74	571	1138	3959	6	
HUNTERDON	642	9	0	3	12	35	98	485	0	
MERCER	3117	61	10	7	39	169	618	2213	0	
MIDDLESEX	5264	85	10	14	73	333	1085	3664	0	
MONMOUTH	4990	65	14	15	40	262	890	3704	0	
MORRIS	3057	38	8	13	46	169	575	2208	0	
OCEAN	5501	51	8	10	50	168	678	4534	2	
PASSAIC	4594	79	17	19	63	386	824	3205	1	
SALEM	684	6	4	0	11	34	122	507	0	
SOMERSET	1596	25	2	3	22	112	317	1115	0	
SUSSEX	845	9	2	1	16	43	142	632	0	
UNION	5097	75	12	14	45	301	897	3750	3	
WARREN	824	6	4	2	10	39	138	625	0	
STATE INST	4	0	0	0	0	1	1	2	0	
MILITARY	25	3	1	1	3	4	7	6	0	
TOTAL	72688	1151	210	237	957	4832	13257	52010	34	

TABLE-8

RESIDENT DEATHS -- BY COUNTY, SEX, AND AGE
1988

COUNTY OF RESIDENCE	TOTAL	MALE							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	1286	19	3	6	23	125	253	855	2
BERGEN	3833	37	8	9	54	236	793	2696	0
BURLINGTON	1495	33	3	11	39	111	346	951	1
CAMDEN	2271	53	9	14	36	185	518	1455	1
CAPE MAY	640	4	1	1	5	32	119	477	1
CUMBERLAND	697	17	1	4	16	48	172	439	0
ESSEX	4393	120	22	23	140	708	1040	2329	11
GLOUCESTER	940	24	3	5	20	65	235	588	0
HUDSON	3094	53	18	8	51	440	725	1795	4
HUNTERDON	328	4	0	3	10	27	58	226	0
MERCER	1547	38	6	3	25	111	373	991	0
MIDDLESEX	2779	39	7	7	52	234	674	1766	0
MONMOUTH	2446	39	5	9	30	172	561	1630	0
MORRIS	1457	23	3	9	35	101	348	938	0
OCEAN	2864	33	7	6	37	105	390	2284	2
PASSAIC	2349	41	9	12	45	273	545	1423	1
SALEM	366	4	2	0	9	24	78	249	0
SOMERSET	761	15	1	2	19	83	181	460	0
SUSSEX	441	5	2	1	10	23	97	303	0
UNION	2551	42	6	9	31	204	563	1694	2
WARREN	410	4	3	2	7	23	81	290	0
STATE INST	4	0	0	0	0	1	1	2	0
MILITARY	20	1	1	0	2	4	6	6	0
TOTAL MALE	36972	648	120	144	696	3335	8157	23847	25

COUNTY OF RESIDENCE	TOTAL	FEMALE							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	1216	13	4	3	7	51	170	966	2
BERGEN	3927	24	5	4	20	84	562	3228	0
BURLINGTON	1389	20	3	9	14	61	200	1082	0
CAMDEN	2143	46	10	8	17	90	332	1639	1
CAPE MAY	595	7	1	0	4	13	68	502	0
CUMBERLAND	693	15	1	2	9	33	105	528	0
ESSEX	4164	94	16	9	38	330	670	3004	3
GLOUCESTER	869	13	4	8	11	32	143	658	0
HUDSON	2796	47	6	11	23	130	413	2164	2
HUNTERDON	314	5	0	0	2	8	40	259	0
MERCER	1569	23	4	4	14	58	245	1221	0
MIDDLESEX	2485	46	3	7	21	99	411	1898	0
MONMOUTH	2544	26	9	6	10	90	329	2074	0
MORRIS	1600	15	5	4	11	68	227	1270	0
OCEAN	2637	18	1	4	13	63	288	2250	0
PASSAIC	2244	37	8	7	18	113	279	1782	0
SALEM	318	2	2	0	2	10	44	258	0
SOMERSET	835	10	1	1	3	29	136	655	0
SUSSEX	404	4	0	0	6	20	45	329	0
UNION	2546	33	6	5	14	97	334	2056	1
WARREN	414	2	1	0	3	16	57	335	0
MILITARY	5	2	0	1	1	0	1	0	0
TOTAL FEMALE	35707	502	90	93	261	1495	5099	28158	9

COUNTY OF RESIDENCE	TOTAL	UNKNOWN							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
CUMBERLAND	2	0	0	0	0	0	1	1	0
ESSEX	4	0	0	0	0	1	0	3	0
HUDSON	1	0	0	0	0	1	0	0	0
MERCER	1	0	0	0	0	0	0	1	0
PASSAIC	1	1	0	0	0	0	0	0	0
TOTAL UNKNOWN	9	1	0	0	0	2	1	5	0

TOTAL	72688	1151	210	237	957	4832	13257	52010	34
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TABLE-9

RESIDENT DEATHS -- BY COUNTY, RACE AND AGE
1988

COUNTY OF RESIDENCE	TOTAL	WHITE							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	2027	15	4	7	18	115	311	1556	1
BERGEN	7371	46	10	9	68	272	1244	5722	0
BURLINGTON	2584	42	6	16	41	136	454	1888	1
CAMDEN	3758	55	11	14	35	182	653	2807	1
CAPE MAY	1168	9	2	1	7	42	172	935	0
CUMBERLAND	1214	21	1	4	17	57	239	875	0
ESSEX	5167	59	12	10	51	257	819	3953	6
GLOUCESTER	1618	28	6	12	26	78	339	1129	0
HUDSON	5085	61	17	7	47	367	918	3662	6
HUNTERDON	630	9	0	3	12	34	97	475	0
MERCER	2543	25	3	6	24	89	447	1949	0
MIDDLESEX	4951	67	6	9	61	273	994	3541	0
MONMOUTH	4588	47	9	12	37	197	782	3504	0
MORRIS	2959	34	8	12	46	143	553	2163	0
OCEAN	5401	46	8	10	48	155	655	4477	2
PASSAIC	4029	49	10	14	40	224	673	3019	0
SALEM	575	2	4	0	11	23	93	442	0
SOMERSET	1519	21	1	2	16	92	297	1090	0
SUSSEX	839	9	2	1	15	43	141	628	0
UNION	4379	34	7	7	27	179	683	3440	2
WARREN	813	6	3	2	10	39	134	619	0
STATE INST	4	0	0	0	0	1	1	2	0
MILITARY	18	2	1	1	3	2	4	5	0
TOTAL WHITE	63240	687	131	159	660	3000	10703	47881	19

COUNTY OF RESIDENCE	TOTAL	BLACK							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	464	16	3	2	12	57	109	263	2
BERGEN	313	11	2	3	4	40	84	169	0
BURLINGTON	284	10	0	4	11	32	86	141	0
CAMDEN	638	43	8	7	15	90	195	279	1
CAPE MAY	64	2	0	0	2	3	15	41	1
CUMBERLAND	158	11	1	2	7	19	36	82	0
ESSEX	3326	143	26	21	120	774	874	1363	5
GLOUCESTER	183	8	1	1	5	19	37	112	0
HUDSON	721	37	6	10	27	187	189	265	0
HUNTERDON	11	0	0	0	0	0	1	10	0
MERCER	552	34	6	1	15	79	164	253	0
MIDDLESEX	262	16	3	4	11	50	75	103	0
MONMOUTH	364	17	3	2	3	62	97	180	0
MORRIS	79	4	0	0	0	21	15	39	0
OCEAN	78	4	0	0	2	12	20	40	0
PASSAIC	541	30	7	5	21	157	142	178	1
SALEM	108	4	0	0	0	11	28	65	0
SOMERSET	64	2	1	1	6	20	15	19	0
SUSSEX	3	0	0	0	1	0	0	2	0
UNION	675	39	5	7	18	115	202	288	1
WARREN	9	0	1	0	0	0	3	5	0
MILITARY	7	1	0	0	0	2	3	1	0
TOTAL BLACK	8904	432	73	70	280	1750	2390	3898	11

TABLE-9 (Continued)

RESIDENT DEATHS -- BY COUNTY, RACE AND AGE
1988

COUNTY OF RESIDENCE	TOTAL	OTHER							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	9	1	0	0	0	4	3	1	0
BERGEN	70	4	0	1	2	7	26	30	0
BURLINGTON	15	1	0	0	1	4	5	4	0
CAMDEN	18	1	0	1	3	3	2	8	0
CAPE MAY	2	0	0	0	0	0	0	2	0
CUMBERLAND	20	0	0	0	1	5	3	11	0
ESSEX	50	5	0	1	7	6	12	19	0
GLOUCESTER	7	1	0	0	0	0	2	4	0
HUDSON	80	1	1	2	0	15	30	31	0
HUNTERDON	1	0	0	0	0	1	0	0	0
MERCER	21	2	1	0	0	1	6	11	0
MIDDLESEX	48	2	0	1	1	9	16	19	0
MONMOUTH	37	1	2	1	0	3	11	19	0
MORRIS	17	0	0	1	0	4	6	6	0
OCEAN	14	1	0	0	0	0	1	12	0
PASSAIC	23	0	0	0	2	4	9	8	0
SALEM	1	0	0	0	0	0	1	0	0
SOMERSET	11	2	0	0	0	0	4	5	0
SUSSEX	3	0	0	0	0	0	1	2	0
UNION	39	2	0	0	0	5	12	20	0
WARREN	1	0	0	0	0	0	0	1	0
TOTAL OTHER	487	24	4	8	17	71	150	213	0

COUNTY OF RESIDENCE	TOTAL	UNKNOWN							
		<1	1-4	5-14	15-24	25-44	45-64	65+	UNKN.
ATLANTIC	2	0	0	0	0	0	0	1	1
BERGEN	6	0	1	0	0	1	1	3	0
BURLINGTON	1	0	0	0	0	0	1	0	0
CAPE MAY	1	0	0	0	0	0	0	1	0
ESSEX	18	7	0	0	0	2	5	1	3
GLOUCESTER	1	0	0	0	0	0	0	1	0
HUDSON	5	1	0	0	0	2	1	1	0
MERCER	1	0	0	0	0	0	1	0	0
MIDDLESEX	3	0	1	0	0	1	0	1	0
MONMOUTH	1	0	0	0	0	0	0	1	0
MORRIS	2	0	0	0	0	1	1	0	0
OCEAN	8	0	0	0	0	1	2	5	0
PASSAIC	1	0	0	0	0	1	0	0	0
SOMERSET	2	0	0	0	0	0	1	1	0
UNION	4	0	0	0	0	2	0	2	0
WARREN	1	0	0	0	0	0	1	0	0
TOTAL UNKNOWN	57	8	2	0	0	11	14	18	4

TABLE-10

RESIDENT DEATHS--MATERNAL, INFANT, PERINATAL, NEONATAL AND FETAL
TOTALS BY COUNTY AND RACE
1988

COUNTY OF RESIDENCE	NUMBER OF DEATHS				
	MATERNAL	INFANT	PERINATAL	NEONATAL	FETAL
ATLANTIC	0	32	110	23	87
BERGEN	0	61	103	50	53
BURLINGTON	0	53	120	40	90
CAMDEN	0	99	188	72	116
CAPE MAY	0	11	28	6	22
CUMBERLAND	0	32	75	26	49
ESSEX	1	214	284	138	146
GLOUCESTER	0	37	75	29	46
HUDSON	1	100	146	67	79
HUNTERDON	0	9	16	6	10
MERCER	0	61	97	44	53
MIDDLESEX	1	85	126	55	71
MONMOUTH	0	65	126	41	35
MORRIS	1	38	62	28	34
OCEAN	1	51	90	39	51
PASSAIC	1	79	121	43	78
SALEM	0	6	21	4	17
SOMERSET	0	25	47	16	31
SUSSEX	0	9	13	5	8
UNION	0	75	107	44	63
WARREN	0	6	15	5	10
MILITARY	0	3	6	3	3
TOTAL	6	1151	1976	784	1192

WHITE
1988

COUNTY OF RESIDENCE	NUMBER OF DEATHS				
	MATERNAL	INFANT	PERINATAL	NEONATAL	FETAL
ATLANTIC	0	15	52	13	39
BERGEN	0	46	81	39	42
BURLINGTON	0	42	82	30	52
CAMDEN	0	55	113	41	72
CAPE MAY	0	9	23	6	17
CUMBERLAND	0	21	40	17	23
ESSEX	0	59	87	44	43
GLOUCESTER	0	28	58	22	36
HUDSON	1	61	93	45	48
HUNTERDON	0	9	14	6	8
MERCER	0	25	45	18	27
MIDDLESEX	0	67	96	44	52
MONMOUTH	0	47	97	31	66
MORRIS	1	34	53	26	27
OCEAN	0	46	81	35	46
PASSAIC	0	49	72	26	46
SALEM	0	2	11	1	10
SOMERSET	0	21	35	12	23
SUSSEX	0	9	13	5	8
UNION	0	34	58	18	40
WARREN	0	6	12	5	7
STATE INST	0	0	0	0	0
MILITARY	0	2	3	2	1
TOTAL WHITE	2	687	1219	486	733

TABLE-10 (Continued)

RESIDENT DEATHS--MATERNAL, INFANT, PERINATAL, NEONATAL AND FETAL
TOTALS BY COUNTY AND RACE

COUNTY OF RESIDENCE	NON-WHITE 1988				
	MATERNAL	INFANT	PERINATAL	NEONATAL	FETAL
ATLANTIC	0	17	54	10	44
BERGEN	0	15	17	11	6
BURLINGTON	0	11	37	10	27
CAMDEN	0	44	66	31	35
CAPE MAY	0	2	4	0	4
CUMBERLAND	0	11	34	9	25
ESSEX	1	148	178	87	91
GLOUCESTER	0	9	15	7	8
HUDSON	0	38	45	22	23
HUNTERDON	0	0	2	0	2
MERCER	0	36	52	26	26
MIDDLESEX	1	18	29	11	18
MONMOUTH	0	18	28	10	18
MORRIS	0	4	8	2	6
OCEAN	1	5	7	4	3
PASSAIC	1	30	46	17	29
SALEM	0	4	10	3	7
SOMERSET	0	4	11	4	7
SUSSEX	0	0	0	0	0
UNION	0	41	45	26	19
WARREN	0	0	1	0	1
STATE INST	0	0	0	0	0
MILITARY	0	1	3	1	2
TOTAL NON-WHITE	4	456	692	291	431

COUNTY OF RESIDENCE	UNKNOWN 1988				
	MATERNAL	INFANT	PERINATAL	NEONATAL	FETAL
ATLANTIC	0	0	4	0	4
BERGEN	0	0	5	0	5
BURLINGTON	0	0	1	0	1
CAMDEN	0	0	9	0	9
CAPE MAY	0	0	1	0	1
CUMBERLAND	0	0	1	0	1
ESSEX	0	7	19	7	12
GLOUCESTER	0	0	2	0	2
HUDSON	0	1	8	0	8
HUNTERDON	0	0	0	0	0
MERCER	0	0	0	0	0
MIDDLESEX	0	0	1	0	1
MONMOUTH	0	0	1	0	1
MORRIS	0	0	1	0	1
OCEAN	0	0	2	0	2
PASSAIC	0	0	3	0	3
SALEM	0	0	0	0	0
SOMERSET	0	0	1	0	1
SUSSEX	0	0	0	0	0
UNION	0	0	4	0	4
WARREN	0	0	2	0	2
STATE INST	0	0	0	0	0
MILITARY	0	0	0	0	0
TOTAL UNKNOWN	0	8	65	7	58

TABLE-11
RESIDENT DEATHS -- BY COUNTY, PLACE OF RESIDENCE AND AGE
1983

RESIDENCE	TOTAL	AGE GROUP												
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	UNK	
ATLANTIC COUNTY														
ABSECON CITY	127	1	0	0	2	8	2	10	18	24	26	36	0	
ATLANTIC CITY ✓	752	14	4	1	11	38	31	47	87	141	206	170	2	
BRIGANTINE CITY	99	1	0	0	1	4	2	7	12	19	38	15	0	
BUENA BORO	52	0	0	1	2	0	0	3	10	18	14	4	0	
BUENA VISTA TWP	50	2	0	1	1	1	1	3	6	17	12	6	0	
CORBIN CITY	2	0	0	0	0	0	0	0	1	0	1	0	0	
EGG HARBOR CITY	52	0	0	0	0	1	2	0	9	10	16	14	0	
EGG HARBOR TWP	124	0	0	1	0	5	6	10	13	28	39	22	0	
ESTELL MANOR CITY	8	0	0	0	0	1	1	0	0	3	2	1	0	
FOLSOM BORO	19	0	0	0	1	0	0	1	2	6	8	1	0	
GALLOWAY TWP	71	3	1	0	0	1	4	2	8	16	27	9	0	
HAMILTON TWP	138	2	0	0	2	9	7	7	16	39	40	16	0	
HAMMONTON TOWN	155	2	0	1	4	3	4	5	17	40	46	33	0	
LINWOOD CITY	47	0	0	2	0	3	2	2	6	11	10	11	0	
LONGPORT BORO	39	0	0	0	0	0	0	0	2	12	12	13	0	
MARGATE CITY	120	1	0	0	0	2	0	8	11	27	38	32	1	
MULLICA TWP	39	0	0	0	0	1	1	3	8	6	16	4	0	
NORTHFIELD CITY	74	0	0	0	1	0	1	3	8	16	27	18	0	
PLEASANTVILLE CITY	214	4	1	2	2	9	13	15	26	39	60	42	1	
PORT REPUBLIC CITY	6	0	0	0	1	0	0	0	1	3	1	0	0	
SOMERS POINT CITY	136	0	1	0	1	1	2	7	14	31	44	35	0	
VENTNOR CITY	164	0	0	0	1	3	6	4	10	31	65	44	0	
WEYMOUTH TWP	14	2	0	0	0	1	0	0	2	5	1	3	0	
TOTAL ATLANTIC	2502	32	7	9	30	91	85	137	286	540	751	530	4	

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

BERGEN COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ALLENDALE BORO	46	0	0	0	2	1	1	2	6	4	13	17	0
ALPINE BORO	4	0	0	0	0	0	0	0	1	1	1	1	0
BERGENFIELD BORO	233	3	0	0	5	8	2	14	24	54	61	62	0
BOGOTA BORO	46	0	0	0	1	1	0	0	9	11	13	11	0
CARLSTADT BORO	64	0	0	0	0	2	2	1	5	16	23	15	0
CLIFFSIDE PARK BORO	231	4	1	0	2	2	7	12	33	46	73	51	0
CLOSTER BORO	78	1	0	0	0	1	2	4	11	18	23	18	0
CRESSKILL BORO	60	0	0	0	0	1	1	2	6	13	19	18	0
DEMAREST BORO	28	0	0	0	0	1	1	2	5	8	6	5	0
DUMONT BORO	157	0	0	1	1	1	2	6	14	37	56	39	0
EAST RUTHERFORD BORO	78	0	0	0	1	4	0	3	9	18	27	16	0
EDGEWATER BORO	40	1	0	0	0	1	2	4	10	5	9	8	0
ELMWOOD PARK BORO	192	3	1	0	2	4	5	6	15	49	65	42	0
EMERSON BORO	74	1	0	0	0	2	0	4	14	10	18	25	0
ENGLEWOOD CITY	257	2	0	1	1	7	7	16	38	54	69	62	0
ENGLEWOOD CLIFFS BORO	38	0	0	0	0	0	0	1	3	7	13	14	0
FAIR LAWN BORO	311	3	0	0	4	5	11	11	44	72	95	66	0
FAIRVIEW BORO	118	1	1	0	0	3	6	5	17	31	29	25	0
FORT LEE BORO	340	3	0	0	1	2	5	15	44	86	98	86	0
FRANKLIN LAKES BORO	64	1	0	0	2	0	1	2	16	15	16	11	0
GARFIELD CITY	309	3	0	0	1	5	8	8	40	80	99	65	0
GLEN ROCK BORO	96	3	0	1	0	1	1	0	13	19	29	29	0
HACKENSACK CITY	393	5	2	3	7	11	17	21	39	87	113	88	0
HARRINGTON PARK BORO	24	0	0	0	1	0	0	3	2	6	7	5	0
HASBROUCK HEIGHTS BORO	147	1	0	0	2	0	1	6	17	42	38	40	0
HAWORTH BORO	23	0	0	0	1	0	1	2	4	4	6	5	0
HILLSDALE BORO	76	1	0	0	1	2	0	4	14	14	18	22	0
HOHOKUS BORO	32	0	0	0	0	0	1	3	5	9	8	6	0
LEONIA BORO	87	1	0	1	0	1	0	2	11	19	33	19	0
LITTLE FERRY BORO	80	1	0	0	0	1	1	7	12	18	27	13	0
LODI BORO	265	2	0	0	6	5	8	19	27	63	92	43	0
LYNDHURST TWP	236	1	1	0	3	3	3	12	30	65	72	46	0
MAHWAH TWP	84	0	0	0	1	2	1	5	11	20	26	18	0
MAYWOOD BORO	112	2	0	0	0	0	3	5	8	26	41	27	0
MIDLAND PARK BORO	55	0	0	0	0	1	0	4	10	13	15	12	0
MONTVALE BORO	30	0	0	0	1	1	0	1	4	12	5	6	0
MOONACHIE BORO	35	1	0	0	0	0	4	3	5	6	13	3	0
NEW MILFORD BORO	163	0	0	0	0	3	2	5	16	44	54	39	0
NORTH ARLINGTON BORO	211	1	0	1	3	2	4	12	27	50	59	52	0
NORTHVALE BORO	37	0	0	0	0	1	1	2	5	8	12	8	0
NORWOOD BORO	38	0	0	0	1	0	0	5	4	5	12	11	0
OAKLAND BORO	82	1	0	0	1	5	1	2	16	20	14	22	0
OLD TAPPAN BORO	21	0	0	0	1	2	0	2	3	4	3	6	0
ORADELL BORO	68	0	0	0	0	0	0	1	8	18	18	23	0
PALISADES PARK BORO	139	2	0	1	1	4	6	3	13	21	49	39	0
PARAMUS BORO	216	0	1	0	2	3	3	9	28	53	62	55	0
PARK RIDGE BORO	45	0	0	0	0	1	1	3	7	12	6	15	0
RAMSEY BORO	72	1	1	0	0	3	3	3	9	17	15	20	0
RIDGEFIELD BORO	100	3	0	0	1	0	5	1	11	19	33	27	0
RIDGEFIELD PARK TWP	92	0	1	0	0	4	3	6	12	22	25	19	0
RIDGEWOOD VIL	184	3	0	0	1	3	1	3	26	17	70	60	0
RIVER EDGE BORO	112	0	0	0	1	2	3	3	19	23	33	28	0
RIVER VALE TWP	52	0	0	0	0	0	1	7	4	9	16	15	0
ROCHELLE PARK TWP	104	1	0	0	0	0	2	5	20	22	36	18	0
ROCKLEIGH BORO	1	0	0	0	0	0	0	0	0	0	1	0	0
RUTHERFORD BORO	193	1	0	1	0	4	7	13	21	44	56	46	0
SADDLE BROOK TWP	134	0	0	0	0	3	4	5	19	54	28	21	0
SADDLE RIVER BORO	20	0	0	0	0	0	0	0	3	1	9	7	0
SOUTH HACKENSACK TWP	19	0	0	0	1	0	0	0	2	4	8	4	0
TEANECK TWP	358	2	2	2	3	12	9	19	41	72	109	87	0
TENAFLY BORO	103	0	0	0	1	1	1	5	10	29	28	28	0
UPPER SADDLE RIVER BORO	41	0	0	0	1	0	3	3	5	10	11	8	0
WALDWICK BORO	84	1	0	0	2	3	2	4	15	20	21	16	0
WALLINGTON BORO	121	0	0	1	2	1	3	7	18	44	22	23	0
WASHINGTON TWP	56	0	0	0	2	0	0	3	10	10	17	14	0
WESTWOOD BORO	115	1	1	0	3	0	2	4	15	17	42	30	0
WOOD-RIDGE BORO	77	0	0	0	1	3	3	3	14	18	25	10	0
WOODCLIFF LAKE BORO	35	0	0	0	0	1	2	1	6	8	7	10	0
WYCKOFF TWP	124	0	1	0	0	1	3	6	12	24	32	45	0
*TOTAL BERGEN	7760	61	13	13	74	141	179	360	995	1777	2302	1845	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

BURLINGTON COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BASS RIVER TWP	11	0	0	0	1	1	1	0	2	2	3	1	0
BEVERLY CITY	42	3	0	0	3	1	0	2	4	10	12	7	0
BORDENTOWN CITY	53	1	0	0	0	5	2	3	5	15	17	5	0
BORDENTOWN TWP	64	0	0	1	0	0	0	4	8	19	21	11	0
BURLINGTON CITY	133	1	0	0	2	4	4	6	12	46	24	34	0
BURLINGTON TWP	113	4	0	0	2	4	2	5	15	28	26	27	0
CHESTERFIELD TWP	14	2	0	0	0	1	0	0	2	2	3	4	0
CINNAMINSON TWP	129	7	1	1	2	3	2	6	25	25	29	28	0
DELANCO TWP	40	0	0	0	1	0	0	2	5	15	9	8	0
DELRAN TWP	83	1	0	0	3	0	4	7	14	16	28	10	0
EASTAMPTON TWP	8	0	0	0	1	0	0	0	2	4	0	1	0
EDGEWATER PARK TWP	47	1	1	0	0	4	2	2	2	15	13	7	0
EVESHAM TWP	140	2	0	2	6	3	5	7	18	35	29	33	0
FIELDSBORO BORO	8	0	0	1	1	0	1	0	0	2	2	1	0
FLORENCE TWP	96	1	0	2	1	6	7	1	13	28	26	11	0
HAINESPORT TWP	11	0	0	0	0	0	1	0	1	5	3	1	0
LUMBERTON TWP	35	0	0	0	1	1	0	1	1	10	11	10	0
MANSFIELD TWP	36	0	0	0	0	0	1	1	7	7	12	8	0
MAPLE SHADE TWP	197	2	0	0	3	3	5	7	27	63	53	34	0
MEDFORD LAKES BORO	29	0	0	0	0	0	0	2	5	8	7	7	0
MEDFORD TWP	133	2	0	0	0	0	2	5	12	22	30	60	0
MOORESTOWN TWP	169	1	1	0	3	3	4	8	15	28	46	60	0
MOUNT HOLLY TWP	194	5	0	1	3	8	7	12	30	50	41	37	0
MOUNT LAUREL TWP	172	4	0	0	2	1	8	9	24	25	57	42	0
NEW HANOVER TWP	4	0	0	0	0	1	0	1	1	0	1	0	0
NORTH HANOVER TWP	13	0	0	0	1	0	1	0	4	1	2	4	0
PALMYRA BORO	78	0	0	1	1	2	2	2	10	27	21	12	0
PEMBERTON BORO	21	0	0	1	0	0	1	3	4	4	4	4	0
PEMBERTON TWP	229	4	0	5	4	7	10	16	43	62	50	27	1
RIVERSIDE TWP	89	0	2	0	1	1	2	4	12	27	18	22	0
RIVERTON BORO	30	2	0	0	0	0	1	1	3	11	5	7	0
SHAMONG TWP	21	1	0	0	2	0	1	0	3	5	9	0	0
SOUTHAMPTON TWP	140	2	0	0	2	2	2	3	12	36	45	36	0
SPRINGFIELD TWP	11	0	0	0	1	0	0	0	0	3	3	4	0
TABERNACLE TWP	29	0	0	0	0	4	0	0	4	12	7	2	0
WASHINGTON TWP	7	0	0	0	0	0	0	0	1	1	4	1	0
WESTAMPTON TWP	11	2	0	0	0	1	1	1	0	4	1	1	0
WILLINGBORO TWP	207	0	0	4	6	10	11	23	45	42	40	21	0
WOODLAND TWP	5	0	0	1	0	0	0	1	1	1	1	0	0
WRIGHTSTOWN BORO	32	0	1	0	0	3	3	2	7	6	4	6	0
TOTAL BURLINGTON	2884	53	6	20	53	79	93	147	399	722	717	594	1

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

CAMDEN COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
AUDUBON BORO	113	1	1	0	0	0	1	4	11	24	39	32	0
AUDUBON PARK BORO	17	0	0	0	0	0	0	1	2	7	4	3	0
BARRINGTON BORO	62	1	1	0	0	1	0	4	8	19	21	7	0
BELLMAWR BORO	125	1	0	0	0	4	4	4	25	30	42	15	0
BERLIN BORO	108	0	0	0	0	2	7	7	17	35	24	16	0
BERLIN TWP	10	0	0	0	0	0	1	0	0	2	6	1	0
BROOKLAWN BORO	26	0	0	0	0	1	0	1	6	4	12	2	0
CAMDEN CITY	849	53	11	12	20	50	53	72	132	186	164	95	1
CHERRY HILL TWP	614	8	1	1	5	8	14	29	87	123	182	156	0
CHESILHURST BORO	12	0	0	0	0	1	0	1	1	5	4	0	0
CLEMENTON BORO	75	2	0	0	2	3	3	3	11	23	17	11	0
COLLINGSWOOD BORO	172	2	0	0	0	4	2	8	12	37	56	51	0
GIBBSBORO BORO	17	0	0	0	0	0	2	1	3	3	4	4	0
GLOUCESTER CITY	159	2	0	0	2	5	3	6	23	57	38	23	0
GLOUCESTER TWP	256	8	0	1	4	9	4	15	50	70	61	34	0
HADDON HEIGHTS BORO	108	1	0	0	0	0	3	4	6	28	27	39	0
HADDON TWP	193	1	1	0	2	1	1	6	17	45	65	54	0
HADDONFIELD BORO	89	1	0	0	0	0	0	2	4	20	35	27	0
HI-NELLA BORO	5	2	0	0	0	0	0	0	0	2	1	0	0
LAUREL SPRINGS BORO	14	0	0	0	0	0	1	1	3	3	5	1	0
LAWNSIDE BORO	37	0	0	0	0	3	1	5	13	7	7	1	0
LINDENWOLD BORO	104	3	0	0	3	5	3	10	13	33	22	12	0
MAGNOLIA BORO	42	0	2	2	0	0	0	2	4	12	9	11	0
MERCHANTVILLE BORO	35	1	0	0	0	1	0	0	4	8	8	13	0
MOUNT EPHRAIM BORO	60	0	0	0	1	0	0	2	11	19	15	12	0
OAKLYN BORO	54	0	0	0	0	1	2	1	7	16	16	11	0
PENNSAUKEN TWP	382	3	0	0	3	3	14	13	49	91	125	80	1
PINE HILL BORO	74	0	0	0	0	0	4	7	9	25	24	5	0
RUNNEMEDE BORO	87	1	0	0	1	6	1	4	18	24	19	13	0
SOMERDALE BORO	64	1	0	0	4	1	3	4	8	18	18	7	0
STRATFORD BORO	67	0	0	0	0	3	0	2	6	23	22	11	0
VOORHEES TWP	133	3	1	3	3	5	6	3	10	31	46	22	0
WATERFORD TWP	82	0	0	1	1	3	7	9	12	17	19	13	0
WINSLOW TWP	135	3	1	2	2	6	5	10	17	32	35	22	0
WOOD-LYNN BORO	34	1	0	0	0	3	1	4	6	8	4	7	0
TOTAL CAMDEN	4414	99	19	22	53	129	146	245	605	1087	1196	811	2

CAPE MAY COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
AVALON BORO	30	0	0	1	0	0	0	0	1	8	10	10	0
CAPE MAY CITY	86	1	0	0	1	0	0	3	5	21	35	20	0
CAPE MAY POINT BORO	8	0	0	0	0	0	0	1	0	2	4	1	0
DENNIS TWP	49	0	0	0	1	2	0	1	5	5	14	21	0
LOWER TWP	228	1	1	0	0	5	3	7	34	79	69	29	0
MIDDLE TWP	207	3	0	0	0	1	4	7	21	72	68	31	0
NORTH WILDWOOD CITY	71	0	0	0	0	1	1	4	8	27	16	14	0
OCEAN CITY	233	4	1	0	2	3	8	8	18	44	70	75	0
SEA ISLE CITY	38	0	0	0	0	0	1	0	6	12	10	9	0
STONE HARBOR BORO	19	0	0	0	0	1	0	0	2	5	6	5	0
UPPER TWP	78	1	0	0	1	2	3	1	17	21	22	10	0
WEST CAPE MAY BORO	21	0	0	0	0	0	0	0	6	1	7	7	0
WEST WILDWOOD BORO	4	0	0	0	0	0	0	1	0	0	2	1	0
WILDWOOD CITY	86	1	0	0	2	4	1	8	12	23	18	16	1
WILDWOOD CREST BORO	49	0	0	0	1	3	2	1	3	13	16	10	0
WOODBINE BORO	28	0	0	0	1	0	0	3	4	10	6	4	0
TOTAL CAPE MAY	1235	11	2	1	9	22	23	45	142	343	373	263	1

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BRIDGETON CITY	292	7	0	1	2	12	10	25	35	73	75	52	0
COMMERCIAL TWP	36	0	0	0	0	0	3	1	3	11	8	10	0
DEERFIELD TWP	13	0	0	0	0	1	0	1	3	3	3	2	0
DOWNE TWP	26	0	0	0	0	2	1	1	2	7	6	7	0
FAIRFIELD TWP	26	0	0	0	0	1	1	2	7	4	8	3	0
GREENWICH TWP	8	0	0	0	0	1	0	1	0	3	3	0	0
HOPEWELL TWP	24	1	0	0	0	1	0	1	5	3	7	6	0
LAWRENCE TWP	19	0	0	1	1	1	0	3	2	6	5	0	0
MAURICE RIVER TWP	37	1	0	0	0	1	1	5	9	5	9	6	0
MILLVILLE CITY	302	9	2	2	5	8	9	13	49	79	81	45	0
SHILOM BORO	4	0	0	0	0	0	0	0	0	1	0	3	0
STOW CREEK TWP	7	0	0	0	1	0	0	1	0	1	3	1	0
UPPER DEERFIELD TWP	58	1	0	1	4	1	3	4	6	9	16	13	0
VINELAND CITY	540	13	0	1	12	10	14	31	68	119	143	129	0
TOTAL CUMBERLAND	1392	32	2	6	25	39	42	89	189	324	367	277	0

ESSEX COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BELLEVILLE TOWN	338	3	0	0	2	9	10	17	50	93	92	62	0
BLOOMFIELD TOWN	526	4	2	0	2	8	8	27	66	132	163	114	0
CALDWELL BORO	88	3	0	0	0	1	2	1	13	13	27	28	0
CEDAR GROVE TWP	130	1	0	1	1	0	1	7	18	29	34	38	0
EAST ORANGE CITY	867	28	6	4	18	66	74	61	114	167	187	142	0
ESSEX FELS BORO	17	1	0	0	0	0	0	0	2	3	8	3	0
FAIRFIELD BORO	50	1	0	0	1	1	3	4	5	13	17	5	0
GLEN RIDGE BORO	49	0	0	0	0	0	2	1	7	11	18	10	0
IRVINGTON TOWN	600	16	3	3	6	34	43	41	81	120	140	112	1
LIVINGSTON TWP	225	3	1	0	2	1	3	13	34	46	60	62	0
MAPLEWOOD TWP	215	1	1	1	3	2	4	7	15	40	63	78	0
MILLBURN TWP	165	1	0	0	3	0	2	4	19	37	54	45	0
MONTCLAIR TOWN	415	3	0	1	3	8	12	23	57	70	121	117	0
NEWARK CITY	3278	125	24	18	126	276	375	302	464	623	582	351	12
NORTH CALDWELL BORO	39	0	0	1	0	1	2	3	5	5	12	10	0
NUTLEY TOWN	253	1	0	0	1	3	9	13	31	54	77	64	0
ORANGE CITY	380	11	1	1	7	21	28	23	50	80	95	63	0
ROSELAND BORO	41	0	0	0	0	0	1	2	5	11	14	8	0
SOUTH ORANGE VIL	120	0	0	0	0	2	5	4	9	20	35	45	0
VERONA BORO	134	1	0	1	0	0	3	5	17	36	39	32	0
WEST CALDWELL BORO	107	3	0	0	0	1	2	5	9	25	32	30	0
WEST ORANGE TOWN	524	8	0	1	3	5	11	15	61	97	163	159	1
TOTAL ESSEX	8561	214	38	32	178	439	600	578	1132	1725	2033	1578	14

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
CLAYTON BORO	54	3	1	1	1	2	0	6	10	16	9	5	0
DEPTFORD TWP	168	2	1	3	1	3	3	13	30	36	51	25	0
EAST GREENWICH TWP	34	0	1	0	0	0	0	2	5	4	9	13	0
ELK TWP	15	0	0	0	2	0	0	1	4	3	3	2	0
FRANKLIN TWP	77	3	0	2	2	0	1	4	16	25	17	7	0
GLASSBORO BORO	132	1	1	1	1	7	2	3	18	45	31	22	0
GREENWICH TWP	43	2	1	0	1	0	1	3	5	14	5	11	0
HARRISON TWP	45	2	0	0	3	0	1	3	5	14	13	4	0
LOGAN TWP	14	0	1	0	0	0	0	0	1	4	4	4	0
MANTUA TWP	129	2	0	2	4	4	4	4	14	43	28	24	0
MONROE TWP	204	6	0	2	6	6	5	10	40	60	47	22	0
NATIONAL PARK BORO	46	0	0	0	0	1	2	1	12	19	6	5	0
NEWFIELD BORO	27	0	0	0	0	1	3	1	2	8	5	7	0
PAULSBORO BORO	80	0	0	0	0	1	2	3	14	24	22	14	0
PITMAN BORO	121	2	0	0	1	0	3	4	18	25	32	36	0
SOUTH HARRISON TWP	8	0	0	0	0	1	0	0	0	3	2	2	0
SWEDESBORO BORO	42	1	0	0	0	1	1	4	5	5	15	10	0
WASHINGTON TWP	130	2	0	1	3	4	5	14	22	27	31	21	0
WENONAH BORO	42	1	0	0	0	0	4	2	4	12	8	11	0
WEST DEPTFORD TWP	105	1	0	1	1	4	6	3	20	24	27	18	0
WESTVILLE BORO	73	3	1	0	1	2	3	2	9	22	19	11	0
WOODBURY CITY	193	6	0	0	2	4	9	4	34	46	45	43	0
WOODBURY HEIGHTS BORO	20	0	0	0	2	1	0	1	0	5	7	4	0
WOOLWICH TWP	7	0	0	0	0	0	0	1	1	2	1	2	0
TOTAL GLOUCESTER	1809	37	7	13	31	42	55	89	289	486	437	323	0

HUDSON COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BAYONNE CITY	830	0	3	2	7	16	27	32	115	239	231	149	1
EAST NEWARK BORO	20	0	0	0	0	0	0	4	3	3	4	6	0
GUTTENBERG TOWN	89	0	1	0	1	4	4	4	4	27	24	20	0
HARRISON TOWN	115	0	0	0	2	2	6	6	28	30	19	22	0
HOBOKEN CITY	338	3	0	0	1	15	19	25	43	83	86	63	0
JERSEY CITY	2502	59	17	15	41	159	174	193	306	554	585	395	4
KEARNY TOWN	365	6	0	0	4	12	16	18	52	109	92	56	0
NORTH BERGEN TWP	537	4	1	2	4	16	18	22	59	104	171	135	1
SECAUCUS TOWN	177	1	0	0	2	6	5	11	42	53	32	25	0
UNION CITY	455	13	2	0	8	20	26	33	57	96	119	81	0
WEEHAWKEN TWP	105	1	0	0	1	6	5	7	8	24	27	26	0
WEST NEW YORK TOWN	358	5	0	0	3	7	8	19	47	87	96	86	0
TOTAL HUDSON	5891	100	24	19	74	263	308	374	764	1409	1486	1064	6

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

HUNTERDON COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ALEXANDRIA TWP	10	0	0	1	0	0	0	1	0	2	5	1	0
BETHELEM TWP	11	0	0	0	1	0	0	0	1	1	4	4	0
BLOOMSBURY BORO	8	0	0	0	0	0	0	0	3	3	2	0	0
CALIFON BORO	8	0	0	0	0	0	0	0	0	0	4	4	0
CLINTON TOWN	24	1	0	0	0	1	0	0	3	7	4	8	0
CLINTON TWP	32	0	0	0	0	2	3	1	1	6	9	10	0
DELAWARE TWP	13	0	0	0	0	0	3	0	3	1	2	4	0
EAST AMWELL TWP	17	1	0	0	1	0	0	0	1	5	3	6	0
FLEMINGTON BORO	70	1	0	0	2	2	2	2	5	19	19	18	0
FRANKLIN TWP	24	0	0	0	0	0	1	3	3	5	5	7	0
FRENCHTOWN BORO	15	0	0	0	0	0	1	0	2	2	6	4	0
GLEN GARDNER BORO	16	0	0	0	0	0	0	1	2	6	2	5	0
HAMPTON BORO	20	0	0	0	0	0	0	2	4	6	3	5	0
HIGH BRIDGE BORO	30	3	0	0	2	2	2	2	2	6	5	6	0
HOLLAND TWP	22	0	0	0	0	0	1	1	1	6	12	1	0
KINGWOOD TWP	11	0	0	0	0	0	0	0	0	6	4	1	0
LAMBERTVILLE CITY	48	1	0	0	0	0	1	1	6	13	15	11	0
LEBANON BORO	10	0	0	0	0	1	1	1	1	2	2	2	0
LEBANON TWP	37	0	0	1	1	0	0	5	3	7	12	8	0
MILFORD BORO	29	0	0	0	1	1	1	1	5	6	9	5	0
RARITAN TWP	62	0	0	0	0	0	4	4	5	16	17	16	0
READINGTON TWP	59	0	0	1	2	1	2	5	8	15	15	10	0
STOCKTON BORO	10	0	0	0	0	0	0	1	0	4	2	3	0
TEWKSBURY TWP	27	2	0	0	1	0	2	0	4	6	6	6	0
UNION TWP	16	0	0	0	0	0	0	1	1	2	5	7	0
WEST AMWELL TWP	13	0	0	0	1	1	0	0	2	6	2	1	0
TOTAL HUNTERDON	642	9	0	3	12	11	24	32	66	158	174	153	0

MERCER COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
EAST WINDSOR TWP	116	2	0	2	3	2	2	6	9	25	30	35	0
EWING TWP	348	5	0	0	3	4	2	18	40	90	101	85	0
HAMILTON TWP	793	7	2	2	6	14	25	32	141	200	224	140	0
HIGHTSTOWN BORO	88	1	1	0	0	4	2	2	8	18	20	32	0
HOPEWELL BORO	4	0	0	0	0	0	0	0	0	0	1	3	0
HOPEWELL TWP	68	4	0	0	1	0	1	5	10	12	21	14	0
LAWRENCE TWP	194	1	1	0	1	1	6	7	23	48	69	37	0
PENNINGTON BORO	24	0	0	0	0	0	1	0	7	2	7	7	0
PRINCETON BORO	125	0	0	0	3	1	1	3	9	19	42	47	0
PRINCETON TWP	77	1	0	0	0	0	4	2	7	23	21	19	0
TRENTON CITY	1207	38	6	3	21	46	50	88	184	290	290	191	0
WASHINGTON TWP	36	2	0	0	0	0	1	3	6	12	8	4	0
WEST WINDSOR TWP	37	0	0	0	1	1	1	0	8	8	11	7	0
TOTAL MERCER	3117	61	10	7	39	73	96	166	452	747	845	621	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
CARTERET BORO	222	3	1	0	0	3	10	9	33	86	62	15	0
CRANBURY TWP	84	0	0	0	0	2	0	2	5	38	24	13	0
DUNELLEN BORO	59	1	0	0	1	0	2	1	5	20	18	11	0
EAST BRUNSWICK TWP	248	6	0	0	5	4	13	20	47	69	52	32	0
EDISON TWP	637	9	2	2	14	13	21	31	96	170	161	118	0
HELMETTA BORO	9	0	0	0	0	0	0	1	1	1	3	3	0
HIGHLAND PARK BORO	104	1	0	0	2	4	4	4	17	24	31	17	0
JAMESBURG BORO	86	2	0	0	1	1	4	2	9	21	27	19	0
METUCHEN BORO	152	1	0	0	1	2	4	5	21	36	39	43	0
MIDDLESEX BORO	119	0	0	0	0	2	2	10	10	44	29	22	0
MILLTOWN BORO	55	2	0	0	0	1	0	3	7	16	10	16	0
MONROE TWP	181	1	0	1	1	0	2	2	17	44	70	43	0
NEW BRUNSWICK CITY	328	15	0	2	6	18	22	17	57	70	61	60	0
NORTH BRUNSWICK TWP	175	4	0	0	4	8	10	9	32	38	48	22	0
OLD BRIDGE TWP	346	6	1	1	8	5	14	29	60	88	88	46	0
PERTH AMBOY CITY	447	8	1	2	2	18	23	15	38	121	143	76	0
PISCATAWAY TWP	243	4	1	2	3	5	11	22	41	60	70	24	0
PLAINSBORO TWP	33	2	0	1	1	5	5	1	5	1	6	6	0
SAYREVILLE BORO	322	4	1	1	4	6	7	13	60	112	76	38	0
SOUTH AMBOY CITY	124	4	0	0	1	1	2	6	13	33	34	30	0
SOUTH BRUNSWICK TWP	125	2	1	0	1	3	4	11	24	24	31	24	0
SOUTH PLAINFIELD BORO	162	2	0	0	3	2	8	8	29	45	41	24	0
SOUTH RIVER BORO	130	2	1	0	0	2	3	7	19	39	40	17	0
SPOTSWOOD BORO	89	1	0	0	0	1	5	8	15	29	19	11	0
WOODBRIIDGE TWP	784	5	1	2	15	14	37	66	122	212	196	114	0
TOTAL MIDDLESEX	5264	85	10	14	73	120	213	302	783	1441	1379	844	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

MONMOUTH COUNTY

RESIDENCE	TOTAL	AGE GROUP										UNK	
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84		85+
ABERDEEN TWP	113	1	1	0	2	3	6	6	26	27	25	16	0
ALLENHURST BORO	5	0	0	0	0	0	0	0	0	2	2	1	0
ALLENTOWN BORO	16	0	0	0	0	0	1	2	2	1	8	2	0
ASBURY PARK CITY	251	5	1	1	1	8	22	18	25	57	62	51	0
ATLANTIC HIGHLANDS BORO	53	0	0	0	0	0	1	8	6	13	12	13	0
AVON-BY-THE-SEA BORO	35	0	0	0	0	0	1	0	3	7	14	10	0
BELMAR BORO	101	0	0	2	1	2	3	7	13	20	32	21	0
BRADLEY BEACH BORO	48	0	0	0	0	4	3	0	6	13	12	10	0
BRIELLE BORO	43	0	0	0	0	1	0	3	5	7	14	13	0
COLTS NECK TOWNSHIP	46	0	0	1	0	2	0	2	3	14	14	10	0
DEAL BORO	19	1	0	0	0	0	0	1	3	2	7	5	0
EATONTOWN BORO	109	0	1	0	0	0	5	6	13	33	33	18	0
ENGLISHTOWN BORO	62	0	0	0	0	0	1	1	3	17	30	10	0
FAIR HAVEN BORO	42	0	2	0	2	0	0	0	4	12	13	9	0
FARMINGDALE BORO	11	0	0	0	0	1	0	1	1	4	3	1	0
FREENHOLD BORO	98	1	0	0	0	2	1	3	11	25	31	24	0
FREENHOLD TWP	206	3	0	1	0	0	8	11	30	46	56	51	0
HAZLET TWP	181	2	0	0	5	2	8	5	35	44	46	34	0
HIGHLANDS BORO	57	4	0	0	0	1	3	3	7	16	18	5	0
HOLMDEL TWP	74	0	0	1	0	2	2	3	5	13	24	24	0
HOWELL TWP	218	6	2	3	2	6	5	17	28	57	63	29	0
INTERLAKEN BORO	13	0	0	0	0	0	1	2	1	1	5	3	0
KEANSBURG BORO	150	4	0	0	0	4	9	7	33	34	34	25	0
KEYPORT BORO	96	2	0	0	0	4	3	6	8	19	31	23	0
LITTLE SILVER BORO	55	0	0	0	1	0	0	2	5	8	21	18	0
LOCH ARBOUR VILLAGE	1	0	0	0	0	0	0	0	0	0	0	1	0
LONG BRANCH CITY	335	4	0	1	4	5	9	19	41	54	115	83	0
MANALAPAN TWP	120	0	2	0	1	1	4	10	17	27	38	20	0
MANASQUAN BORO	60	2	0	0	1	2	1	2	3	15	19	15	0
MARLBORO TWP	103	0	0	1	2	2	4	10	11	24	31	18	0
MATAWAN BORO	116	1	0	0	2	1	2	7	13	29	35	26	0
MIDDLETOWN TWP	524	5	2	1	3	6	13	36	80	117	153	108	0
MILLSTONE TWP	36	1	0	0	0	0	2	2	7	10	4	10	0
MONMOUTH BEACH BORO	27	0	0	0	0	0	0	1	5	5	10	6	0
NEPTUNE CITY BORO	54	0	0	0	0	2	5	3	7	6	17	14	0
NEPTUNE TWP	398	7	2	2	3	11	16	15	40	77	108	117	0
OCEAN TWP	199	3	0	0	1	5	5	18	23	51	47	46	0
OCEANPORT BORO	35	0	0	1	0	0	0	2	5	6	12	9	0
RED BANK BORO	216	6	0	0	3	8	5	4	18	44	64	64	0
ROOSEVELT BORO	7	0	0	0	0	1	0	0	1	2	3	0	0
RUMSON BORO	56	1	0	0	1	0	2	2	5	15	17	13	0
SEA BRIGHT BORO	13	0	0	0	0	0	0	1	2	4	4	2	0
SEA GIRT BORO	35	0	0	0	1	0	0	1	3	8	9	13	0
SHREWSBURY BORO	17	0	1	0	1	1	1	0	0	5	5	3	0
SHREWSBURY TWP	18	0	0	0	0	0	0	0	2	7	4	5	0
SOUTH BELMAR BORO	27	1	0	0	0	0	0	3	3	8	8	4	0
SPRING LAKE BORO	43	0	0	0	1	1	2	5	4	7	12	11	0
SPRING LAKE HEIGHTS BORO	78	0	0	0	0	0	1	2	8	20	27	20	0
TINTON FALLS BORO	44	1	0	0	0	0	3	2	8	14	10	6	0
UNION BEACH BORO	54	1	0	0	0	3	1	4	7	13	14	11	0
UPPER FREEHOLD TWP	19	0	0	0	0	0	1	0	2	7	7	2	0
WALL TWP	190	3	0	0	2	3	6	8	18	43	59	48	0
WEST LONG BRANCH BORO	63	0	0	0	0	1	1	4	6	19	17	15	0
TOTAL MONMOUTH	4990	65	14	15	40	95	167	275	615	1129	1459	1116	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BOONTON TOWN	91	1	0	1	0	1	2	7	6	21	28	24	0
BOONTON TWP	16	0	0	0	0	2	0	0	1	3	3	7	0
BUTLER BORO	46	0	0	0	1	0	1	6	5	10	10	13	0
CHATHAM BORO	77	1	0	0	0	0	5	2	4	16	26	23	0
CHATHAM TWP	59	1	0	0	2	2	0	3	3	12	20	16	0
CHESTER BORO	11	1	0	0	0	0	1	0	1	2	3	3	0
CHESTER TWP	21	1	0	0	2	0	1	0	3	4	2	8	0
DENVILLE TWP	114	0	1	1	2	4	6	2	22	17	39	20	0
DOVER TOWN	191	3	3	0	0	10	10	9	28	34	50	44	0
EAST HANOVER TWP	63	0	0	0	1	2	3	3	8	14	18	14	0
FLORHAM PARK BORO	74	1	0	2	1	0	3	0	13	14	22	18	0
HANOVER TWP	76	1	0	0	1	1	1	5	10	26	17	14	0
HARDING TWP	22	0	0	0	0	0	0	0	3	5	11	3	0
JEFFERSON TWP	117	2	1	1	0	4	7	16	18	20	28	20	0
KINNELON BORO	34	2	0	1	0	2	0	1	2	9	9	8	0
LINCOLN PARK BORO	107	0	0	0	2	1	4	3	13	23	31	30	0
MADISON BORO	128	1	0	0	1	1	2	5	22	29	34	33	0
MENDHAM BORO	32	0	0	0	0	1	1	0	2	7	11	10	0
MENDHAM TWP	35	0	0	2	0	1	1	1	4	6	7	13	0
MINE HILL TWP	33	0	0	0	0	0	0	1	6	12	8	6	0
MONTVILLE TWP	103	1	0	0	3	1	7	8	17	17	24	25	0
MORRIS PLAINS BORO	68	1	0	0	0	0	1	2	15	21	16	12	0
MORRIS TWP	125	0	0	0	2	1	1	6	15	27	37	36	0
MORRISTOWN TOWN	247	6	0	0	3	6	6	5	22	56	65	78	0
MOUNT ARLINGTON BORO	21	0	0	1	0	0	0	0	2	6	7	5	0
MOUNT OLIVE TWP	103	1	1	2	1	2	2	13	12	22	28	19	0
MOUNTAIN LAKES BORO	18	0	0	0	0	0	2	1	2	6	6	1	0
NETCONG BORO	21	0	0	0	0	0	0	0	1	5	10	5	0
PARSIPPANY-TROY HILLS TWP	281	3	2	1	8	13	7	21	38	51	82	45	0
PASSAIC TWP	53	1	0	0	0	1	1	4	8	12	19	7	0
PEQUANNOCK TWP	133	1	0	1	1	6	3	8	24	30	32	27	0
RANDOLPH TWP	92	2	0	0	3	6	2	6	10	24	22	17	0
RIVERDALE BORO	22	0	0	0	0	1	0	0	1	8	3	9	0
ROCKAWAY BORO	79	1	0	0	2	1	3	4	10	23	13	22	0
ROCKAWAY TWP	86	0	0	0	6	1	1	9	12	22	17	18	0
ROXBURY TWP	129	3	0	0	3	4	2	5	28	33	30	21	0
VICTORY GARDENS BORO	4	0	0	0	0	0	2	0	0	1	1	0	0
WASHINGTON TWP	80	1	0	0	1	1	3	10	9	10	16	29	0
WHARTON BORO	45	2	0	0	0	0	2	2	7	16	10	6	0
TOTAL MORRIS	3057	38	8	13	46	76	93	168	407	684	815	709	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BARNEGAT LIGHT BORO	5	0	0	0	0	0	0	0	0	2	2	1	0
BARNEGAT TWP	102	1	0	1	0	1	3	4	19	25	32	16	0
BAY HEAD BORO	17	0	0	0	0	0	0	0	1	8	5	3	0
BEACH HAVEN BORO	31	0	0	0	0	1	0	1	4	4	10	11	0
BEACHWOOD BORO	57	1	0	0	2	3	0	2	4	16	18	11	0
BERKELEY TWP	512	4	2	0	1	3	6	5	43	156	202	90	0
BRICK TWP	541	9	0	2	9	8	11	21	70	175	226	110	0
DOVER TWP	986	6	0	2	10	12	21	34	118	259	322	202	0
EAGLESWOOD TWP	17	0	0	0	0	0	1	2	2	6	4	2	0
HARVEY CEDARS BORO	7	0	0	0	0	0	0	1	0	3	3	0	0
ISLAND HEIGHTS BORO	17	0	0	0	0	1	1	0	1	7	6	1	0
JACKSON TWP	244	4	0	1	7	5	8	16	35	60	69	39	0
LACEY TWP	212	1	3	0	5	2	6	11	20	67	65	32	0
LAKEHURST BORO	123	1	1	0	1	1	2	1	10	30	45	31	0
LAKEWOOD TWP	748	13	1	1	2	14	13	18	56	119	287	224	0
LAVALLETTE BORO	47	0	0	0	0	1	1	1	6	10	15	13	0
LITTLE EGG HARBOR TWP	104	1	0	2	3	1	1	5	14	33	26	18	0
LONG BEACH TWP	44	0	0	0	2	1	0	3	4	7	16	10	1
MANCHESTER TWP	805	3	0	0	0	1	3	10	20	209	375	184	0
MANTOLOKING BORO	18	0	0	0	0	0	0	0	3	7	4	4	0
OCEAN GATE BORO	27	0	0	0	0	2	0	1	2	5	9	8	0
OCEAN TWP	73	0	0	0	1	0	0	3	8	22	30	9	0
PINE BEACH BORO	22	1	0	0	0	1	2	0	2	4	10	2	0
PLUMSTED TWP	44	0	0	0	3	0	1	7	3	12	10	8	0
POINT PLEASANT BEACH BORO	38	0	0	0	1	0	0	2	4	9	12	10	0
POINT PLEASANT BORO	258	2	0	0	1	7	6	7	28	59	88	60	0
SEASIDE HEIGHTS BORO	29	2	0	1	0	2	3	0	1	8	5	7	0
SEASIDE PARK BORO	35	0	0	0	0	0	1	0	9	11	6	8	0
SHIP BOTTOM BORO	19	0	0	0	0	1	0	1	0	5	8	4	0
SOUTH TOMS RIVER BORO	26	0	0	0	2	1	1	2	3	8	4	5	0
STAFFORD TWP	113	0	1	0	0	2	2	2	15	37	30	23	1
SURF CITY BORO	28	0	0	0	0	1	0	2	3	5	10	7	0
TUCKERTON BORO	52	2	0	0	0	2	1	3	5	14	11	14	0
TOTAL OCEAN	5501	51	8	10	50	74	94	165	513	1402	1965	1167	2

PASSAIC COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BLOOMINGDALE BORO	57	0	0	0	1	4	0	7	7	16	19	3	0
CLIFTON CITY	941	6	0	1	5	10	19	34	107	236	284	269	0
HALEDON BORO	107	1	0	0	1	4	2	4	10	23	36	26	0
HAWTHORNE BORO	187	3	0	0	2	5	3	6	21	38	66	43	0
LITTLE FALLS TWP	125	1	0	0	1	2	2	2	22	37	33	25	0
NORTH HALEDON BORO	81	0	0	0	1	0	3	4	7	18	25	23	0
PASSAIC CITY	543	16	4	3	6	27	37	34	81	125	119	91	0
PATERSON CITY	1422	44	10	11	30	86	125	95	174	301	319	226	1
POMPTON LAKES BORO	103	0	1	0	1	3	3	7	14	19	29	26	0
PROSPECT PARK BORO	51	0	0	0	1	2	1	0	2	14	18	13	0
RINGWOOD BORO	60	0	0	1	0	1	2	8	6	14	16	12	0
TOTOWA BORO	130	0	0	0	3	3	3	10	16	28	35	32	0
WANAQUE BORO	89	1	0	1	0	2	7	5	15	19	24	15	0
WAYNE TWP	467	4	1	1	7	4	10	21	51	90	150	128	0
WEST MILFORD TWP	130	2	0	0	3	6	4	9	20	23	38	25	0
WEST PATERSON BORO	101	1	1	1	1	3	3	8	17	24	26	16	0
TOTAL PASSAIC	4594	79	17	19	63	162	224	254	570	995	1237	973	1

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

SALEM COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ALLOWAY TWP	27	0	0	0	3	2	1	2	1	3	7	8	0
CARNEYS POINT TWP	39	0	0	0	1	4	2	4	10	17	26	25	0
ELMER BORO	35	0	0	0	1	0	0	3	3	7	9	12	0
EL SINBORO TWP	13	0	0	0	0	1	0	0	1	5	5	1	0
LOWER ALLOWAY CREEK TWP	13	0	0	0	0	1	1	0	3	2	3	3	0
MANNINGTON TWP	15	0	0	0	0	0	0	1	1	4	5	4	0
OLDMANS TWP	19	1	0	0	1	1	0	0	3	4	6	3	0
PENNS GROVE BORO	54	1	0	0	0	2	2	0	8	14	15	12	0
PENNSVILLE TWP	132	2	2	0	2	3	6	7	23	32	40	15	0
PIESGROVE TWP	18	0	0	0	0	1	0	1	2	5	6	3	0
PITTSGROVE TWP	47	0	0	0	1	1	0	1	5	11	18	10	0
QUINTON TWP	24	0	0	0	2	0	0	0	4	7	7	4	0
SALEM CITY	108	1	0	0	0	3	1	7	20	22	36	18	0
UPPER PITTSGROVE TWP	27	1	0	0	0	0	0	2	0	7	7	10	0
WOODSTOWN BORO	63	0	2	0	0	0	2	4	6	10	20	19	0
TOTAL SALEM	684	6	4	0	11	19	15	32	90	150	210	147	0

SOMERSET COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BEDMINSTER TWP	25	2	0	0	0	2	0	5	3	2	8	3	0
BERNARDS TWP	123	5	0	0	1	1	6	5	11	23	27	44	0
BERNARDSVILLE BORO	35	0	0	0	0	1	0	1	10	8	9	6	0
BOUND BROOK BORO	88	2	0	0	1	3	1	8	6	27	21	19	0
BRANCHBURG TWP	56	0	0	0	2	2	1	6	9	20	10	6	0
BRIDGEWATER TWP	173	2	0	0	1	4	5	11	24	41	42	43	0
FAR HILLS BORO	6	0	0	0	0	0	0	1	0	2	2	1	0
FRANKLIN TWP	218	4	1	1	4	10	14	8	26	50	44	56	0
GREEN BROOK TWP	39	0	0	0	1	1	0	1	6	11	8	11	0
HILLSBOROUGH TWP	89	3	0	0	2	1	8	4	11	19	21	20	0
MANVILLE BORO	101	1	0	0	0	4	4	4	22	31	27	8	0
MILLSTONE BORO	6	0	0	0	0	0	1	1	2	1	1	0	0
MONTGOMERY TWP	56	0	0	0	1	3	0	5	7	13	15	12	0
NORTH PLAINFIELD BORO	151	2	0	1	3	4	5	8	17	40	37	34	0
PEAPACK-GLADSTONE BORO	17	1	0	0	1	0	1	3	3	4	1	3	0
RARITAN BORO	53	1	0	0	0	2	1	4	11	14	14	6	0
ROCKY HILL BORO	11	0	0	0	0	0	0	1	1	6	0	3	0
SOMERVILLE BORO	201	1	1	1	4	8	12	12	26	46	42	48	0
SOUTH BOUND BROOK BORO	38	0	0	0	0	2	3	3	8	9	10	3	0
WARREN TWP	67	1	0	0	1	0	1	4	16	17	18	9	0
WATCHUNG BORO	43	0	0	0	0	1	0	0	3	9	16	14	0
TOTAL SOMERSET	1596	25	2	3	22	49	63	95	222	393	373	349	0

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ANDOVER BORO	9	0	0	0	0	0	0	1	1	1	5	1	0
ANDOVER TWP	87	0	0	0	1	0	1	2	5	15	32	31	0
BRANCHVILLE BORO	23	1	0	0	1	0	1	1	2	6	5	6	0
BYRAM TWP	23	0	0	0	1	0	1	1	6	8	3	3	0
FRANKFORD TWP	53	2	1	0	1	1	3	0	4	16	11	14	0
FRANKLIN BORO	25	0	0	0	1	0	1	1	2	6	9	5	0
FREDON TWP	15	0	0	0	0	0	1	0	3	5	4	2	0
GREEN TWP	10	0	0	0	0	0	0	1	1	4	3	1	0
HAMBURG BORO	25	1	0	0	1	2	2	1	4	6	4	4	0
HAMPTON TWP	30	0	0	1	0	0	0	3	5	7	11	3	0
HARDYSTON TWP	24	1	0	0	0	1	0	1	5	6	9	1	0
HOPATCONG BORO	78	1	0	0	0	1	3	2	15	21	22	13	0
LAFAYETTE TWP	15	0	0	0	1	0	0	0	1	7	4	2	0
MONTAGUE TWP	13	1	0	0	0	0	0	0	1	4	7	0	0
NEWTON TOWN	104	0	1	0	1	2	3	0	13	29	27	28	0
OGDENSBURG BORO	22	0	0	0	0	2	1	1	4	4	5	5	0
SANDYSTON TWP	12	0	0	0	1	0	0	0	0	6	4	1	0
SPARTA TWP	77	1	0	0	2	2	3	2	12	23	16	16	0
STANHOPE BORO	30	0	0	0	0	0	0	1	2	6	13	8	0
STILLWATER TWP	17	0	0	0	0	0	0	0	3	5	3	6	0
SUSSEX BORO	42	1	0	0	0	1	2	3	6	9	11	9	0
VERNON TWP	62	0	0	0	3	2	3	7	10	13	17	7	0
WALPACK TWP	1	0	0	0	0	0	0	0	0	0	1	0	0
WANTAGE TWP	48	0	0	0	2	2	2	2	7	12	15	6	0
TOTAL SUSSEX	845	9	2	1	16	16	27	30	112	219	241	172	0

UNION COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
BERKELEY HEIGHTS TWP	92	0	0	0	1	1	1	2	10	19	23	35	0
CLARK TWP	134	0	0	0	3	2	3	4	19	38	42	23	0
CRANFORD TWP	205	2	0	0	2	0	5	9	31	41	56	59	0
ELIZABETH CITY	1116	29	6	8	15	53	50	67	145	233	286	222	2
FANWOOD BORO	55	1	0	0	0	1	3	3	6	15	15	11	0
GARWOOD BORO	42	1	0	0	0	0	0	2	5	12	11	11	0
HILLSIDE TWP	228	3	3	0	3	10	7	12	34	52	62	42	0
KENILWORTH BORO	88	0	0	1	1	3	0	2	21	26	21	13	0
LINDEN CITY	472	4	0	1	2	6	6	20	66	136	151	79	1
MOUNTAINSIDE BORO	67	0	0	0	0	0	1	3	10	17	21	15	0
NEW PROVIDENCE BORO	86	0	0	2	1	5	3	4	9	13	24	25	0
PLAINFIELD CITY	452	17	1	2	8	28	27	43	57	87	107	75	0
RAHWAY CITY	304	3	2	0	3	4	10	13	40	93	81	55	0
ROSELLE BORO	209	2	0	0	0	6	13	11	28	46	65	38	0
ROSELLE PARK BORO	127	1	0	0	1	1	3	7	14	30	32	38	0
SCOTCH PLAINS TWP	178	2	0	0	2	2	6	9	26	39	42	50	0
SPRINGFIELD TWP	171	2	0	0	0	1	1	4	14	39	69	41	0
SUMMIT CITY	180	2	0	0	2	3	2	8	20	33	61	49	0
UNION TWP	608	2	0	0	1	6	21	19	61	129	209	160	0
WESTFIELD TOWN	262	4	0	0	0	2	5	9	28	40	81	93	0
WINFIELD TWP	21	0	0	0	0	0	0	0	2	6	10	3	0
TOTAL UNION	5097	75	12	14	45	134	167	251	646	1144	1469	1137	3

TABLE-11 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE AND AGE
1988

WARREN COUNTY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ALLAMUCHY TWP	9	0	0	0	1	2	0	0	0	2	3	1	0
ALPHA BORO	26	0	0	0	0	0	1	0	5	9	9	2	0
BELVIDERE TOWN	34	0	1	0	0	0	2	1	5	10	8	7	0
BLAIRSTOWN TWP	45	1	0	0	0	0	1	1	3	12	19	8	0
FRANKLIN TWP	24	0	0	0	0	0	0	2	2	4	12	4	0
FRELINGHUYSEN TWP	7	0	0	0	1	1	0	1	0	1	3	0	0
GREENWICH TWP	16	0	0	0	0	1	1	0	6	3	3	2	0
HACKETTSTOWN TOWN	116	0	1	0	0	4	4	5	11	19	45	27	0
HARDWICK TWP	5	0	0	0	0	0	0	0	0	2	2	1	0
HARMONY TWP	14	0	0	0	1	1	0	0	2	5	4	1	0
HOPE TWP	11	0	0	0	0	0	0	0	1	5	1	4	0
INDEPENDENCE TWP	20	0	0	2	0	0	1	1	3	4	5	4	0
KNOWLTON TWP	24	0	0	0	0	0	2	3	2	4	9	4	0
LIBERTY TWP	5	0	0	0	0	0	0	1	1	2	0	1	0
LOPATCONG TWP	41	0	0	0	1	0	0	1	4	14	14	7	0
MANSFIELD TWP	34	0	0	0	0	0	1	0	7	9	8	9	0
OXFORD TWP	24	1	0	0	0	1	1	1	3	5	6	6	0
PAHAQUARRY TWP	1	0	0	0	0	0	0	0	0	1	0	0	0
PHILLIPSBURG TOWN	223	2	1	0	2	4	3	11	26	54	61	59	0
POHATCONG TWP	22	1	0	0	0	0	0	1	3	6	8	3	0
WASHINGTON BORO	8	0	0	0	0	1	2	1	0	1	1	2	0
WASHINGTON TWP	98	1	1	0	4	2	2	3	16	16	32	21	0
WHITE TWP	17	0	0	0	0	0	1	0	5	6	1	4	0
TOTAL WARREN	824	6	4	2	10	17	22	33	105	194	254	177	0

STATE INST

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
N J ST COLONY MALES NEW L	2	0	0	0	0	0	0	0	0	0	0	0	0
N J ST NEURO PSYCHIATRIC	1	0	0	0	0	0	0	0	0	1	0	0	0
N J ST TRAINING SCHOOL VI	1	0	0	0	0	0	1	0	0	0	0	0	0
TOTAL STATE INST	4	0	0	0	0	0	1	0	1	0	2	0	0

MILITARY

RESIDENCE	TOTAL	AGE GROUP											UNK
		-1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
FORT DIX	7	1	1	1	0	2	1	1	0	0	0	0	0
FORT MONMOUTH	2	1	0	0	0	0	0	0	0	1	0	0	0
MCGUIRE AIR BASE FORT DIX	5	1	0	0	3	0	0	0	1	0	0	0	0
N J ST VETS ADM HOSP LYON	6	0	0	0	0	0	0	0	3	1	0	2	0
VETERANS HOSPITAL EAST OR	5	0	0	0	0	1	0	0	2	2	0	0	0
TOTAL MILITARY	25	3	1	1	3	3	1	1	6	4	0	2	0

TABLE-12

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ABSECON CITY	127	63	64	0	118	9	0	0
ATLANTIC CITY	752	381	371	0	426	322	3	1
BRIGANTINE CITY	99	57	42	0	97	1	1	0
BUENA BORO	52	28	24	0	52	0	0	0
BUENA VISTA TWP	50	24	26	0	37	13	0	0
CORBIN CITY	2	2	0	0	2	0	0	0
EGG HARBOR CITY	52	21	31	0	49	3	0	0
EGG HARBOR TWP	124	71	53	0	110	14	0	0
ESTELL MANOR CITY	8	4	4	0	8	0	0	0
FOLSOM BORO	19	15	4	0	19	0	0	0
GALLOWAY TWP	71	38	33	0	66	5	0	0
HAMILTON TWP	138	82	56	0	119	17	2	0
HAMMONTON TOWN	155	75	80	0	149	5	0	1
LINWOOD CITY	47	27	20	0	45	1	1	0
LONGPORT BORO	39	18	21	0	39	0	0	0
MARGATE CITY	120	69	51	0	119	0	1	0
MULLICA TWP	39	15	24	0	34	5	0	0
NORTHFIELD CITY	74	32	42	0	72	2	0	0
PLEASANTVILLE CITY	214	111	103	0	151	62	1	0
PORT REPUBLIC CITY	6	3	3	0	6	0	0	0
SOMERS POINT CITY	136	77	59	0	133	3	0	0
VENTNOR CITY	164	67	97	0	163	1	0	0
WEYMOUTH TWP	14	6	8	0	13	1	0	0
TOTAL ATLANTIC	2502	1286	1216	0	2027	464	9	2

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ALLENDALE BORO	46	18	28	0	46	0	0	0
ALPINE BORO	4	4	0	0	4	0	0	0
BERGENFIELD BORO	233	112	121	0	226	3	4	0
BOGOTA BORO	46	20	26	0	46	0	0	0
CARLSTADT BORO	64	34	30	0	64	0	0	0
CLIFFSIDE PARK BORO	231	125	106	0	227	3	1	0
CLOSTER BORO	78	38	40	0	75	2	1	0
CRESSKILL BORO	60	34	26	0	60	0	0	0
DEMAREST BORO	28	14	14	0	26	0	2	0
DUMONT BORO	157	78	79	0	154	1	2	0
EAST RUTHERFORD BORO	78	39	39	0	77	1	0	0
EDGEWATER BORO	40	25	15	0	39	0	1	0
ELMWOOD PARK BORO	192	102	90	0	189	1	2	0
EMERSON BORO	74	40	34	0	72	0	2	0
ENGLEWOOD CITY	257	115	142	0	152	102	3	0
ENGLEWOOD CLIFFS BORO	38	18	20	0	37	0	1	0
FAIR LAWN BORO	311	166	145	0	306	5	0	0
FAIRVIEW BORO	118	49	69	0	118	0	0	0
FORT LEE BORO	340	174	166	0	332	1	7	0
FRANKLIN LAKES BORO	64	31	33	0	62	1	1	0
GARFIELD CITY	309	171	138	0	306	3	0	0
GLEN ROCK BORO	96	42	54	0	92	4	0	0
HACKENSACK CITY	393	199	194	0	302	86	4	1
HARRINGTON PARK BORO	24	16	8	0	24	0	0	0
HASBROUCK HEIGHTS BORO	147	82	65	0	147	0	0	0
HAWORTH BORO	23	13	10	0	23	0	0	0
HILLSDALE BORO	76	40	36	0	74	0	2	0
HOMOKUS BORO	32	20	12	0	32	0	0	0
LEONIA BORO	87	43	44	0	86	1	0	0
LITTLE FERRY BORO	80	37	43	0	80	0	0	0
LODI BORO	265	125	140	0	260	4	0	1
LYNDHURST TWP	236	120	116	0	235	0	1	0
MAHWAH TWP	84	42	42	0	81	2	1	0
MAYWOOD BORO	112	49	63	0	112	0	0	0
MIDLAND PARK BORO	55	26	29	0	55	0	0	0
MONTVALE BORO	30	12	18	0	30	0	0	0
MOONACHIE BORO	35	21	14	0	34	0	1	0
NEW MILFORD BORO	163	83	80	0	160	1	2	0
NORTH ARLINGTON BORO	211	95	116	0	210	0	1	0
NORTHVALE BORO	37	21	16	0	37	0	0	0
NORWOOD BORO	38	18	20	0	38	0	0	0
OAKLAND BORO	82	40	42	0	80	0	2	0
OLD TAPPAN BORO	21	11	10	0	20	0	1	0
ORADELL BORO	68	23	45	0	66	0	2	0
PALISADES PARK BORO	139	69	70	0	137	1	1	0
PARAMUS BORO	216	107	109	0	213	1	2	0
PARK RIDGE BORO	45	25	20	0	44	0	1	0
RAMSEY BORO	72	26	46	0	71	0	1	0
RIDGEFIELD BORO	100	49	51	0	95	3	2	0
RIDGEFIELD PARK TWP	92	50	42	0	91	1	0	0
RIDGEWOOD VIL	184	74	110	0	178	3	2	1
RIVER EDGE BORO	112	44	68	0	111	1	0	0
RIVER VALE TWP	52	27	25	0	51	0	1	0
ROCHELLE PARK TWP	104	46	58	0	104	0	0	0
ROCKLEIGH BORO	1	0	1	0	1	0	0	0
RUTHERFORD BORO	193	92	101	0	185	5	3	0
SADDLE BROOK TWP	134	68	66	0	133	1	0	0
SADDLE RIVER BORO	20	9	11	0	19	0	1	0
SOUTH HACKENSACK TWP	19	11	8	0	18	1	0	0
TEANECK TWP	358	187	171	0	284	66	5	3
TENAFLY BORO	103	46	57	0	102	0	1	0
UPPER SADDLE RIVER BORO	41	18	23	0	40	0	1	0
WALDWICK BORO	84	47	37	0	83	0	1	0
WALLINGTON BORO	121	64	57	0	119	1	1	0
WASHINGTON TWP	56	25	31	0	55	0	1	0
WESTWOOD BORO	115	42	73	0	105	8	2	0
WOOD-RIDGE BORO	77	42	35	0	77	0	0	0
WOODCLIFF LAKE BORO	35	17	18	0	35	0	0	0
WYCKOFF TWP	124	63	61	0	124	0	0	0
TOTAL BERGEN	7760	3833	3927	0	7371	313	70	6

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	SEX			RACE				
	TOTAL	MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BASS RIVER TWP	11	7	4	0	11	0	0	0
BEVERLY CITY	42	21	21	0	34	7	1	0
BORDENTOWN CITY	53	30	23	0	51	2	0	0
BORDENTOWN TWP	64	35	29	0	61	3	0	0
BURLINGTON CITY	133	61	72	0	108	24	1	0
BURLINGTON TWP	113	54	59	0	94	19	0	0
CHESTERFIELD TWP	14	8	6	0	14	0	0	0
CINNAMINSON TWP	129	61	68	0	116	12	1	0
DELANCO TWP	40	22	18	0	40	0	0	0
DELRAN TWP	83	41	42	0	81	2	0	0
EASTAMPTON TWP	8	4	4	0	7	1	0	0
EDGEWATER PARK TWP	47	24	23	0	46	1	0	0
EVESHAM TWP	140	72	68	0	138	1	1	0
FIELDSBORO BORO	8	3	5	0	6	2	0	0
FLORENCE TWP	96	51	45	0	89	7	0	0
HAINESPORT TWP	11	9	2	0	11	0	0	0
LUMBERTON TWP	35	14	21	0	35	0	0	0
MANSFIELD TWP	36	18	18	0	36	0	0	0
MAPLE SHADE TWP	197	107	90	0	185	11	1	0
MEDFORD LAKES BORO	29	10	19	0	29	0	0	0
MEDFORD TWP	133	54	79	0	133	0	0	0
MOORESTOWN TWP	169	78	91	0	153	14	2	0
MOUNT HOLLY TWP	194	118	76	0	165	29	0	0
MOUNT LAUREL TWP	172	80	92	0	167	4	1	0
NEW HANOVER TWP	4	1	3	0	3	1	0	0
NORTH HANOVER TWP	13	7	6	0	13	0	0	0
PALMYRA BORO	78	47	31	0	65	13	0	0
PEMBERTON BORO	21	14	7	0	16	5	0	0
PEMBERTON TWP	229	129	100	0	193	33	3	0
RIVERSIDE TWP	89	45	44	0	88	1	0	0
RIVERTON BORO	30	13	17	0	30	0	0	0
SHAMONG TWP	21	15	6	0	21	0	0	0
SOUTHAMPTON TWP	140	74	66	0	139	1	0	0
SPRINGFIELD TWP	11	7	4	0	11	0	0	0
TABERNACLE TWP	29	21	8	0	28	1	0	0
WASHINGTON TWP	7	4	3	0	7	0	0	0
WESTAMPTON TWP	11	7	4	0	9	2	0	0
WILLINGBORO TWP	207	112	95	0	116	86	4	1
WOODLAND TWP	5	3	2	0	5	0	0	0
WRIGHTSTOWN BORO	32	14	18	0	30	2	0	0
TOTAL BURLINGTON	2884	1495	1389	0	2584	284	15	1

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
AUDUBON BORO	113	64	49	0	112	0	1	0
AUDUBON PARK BORO	17	4	13	0	17	0	0	0
BARRINGTON BORO	62	33	29	0	61	1	0	0
BELLMWR BORO	125	85	40	0	124	1	0	0
BERLIN BORO	108	63	45	0	99	9	0	0
BERLIN TWP	10	4	6	0	10	0	0	0
BROOKLAWN BORO	26	12	14	0	26	0	0	0
CAMDEN CITY	849	495	354	0	401	437	11	0
CHERRY HILL TWP	614	287	327	0	599	13	2	0
CHESILHURST BORO	12	10	2	0	7	5	0	0
CLEMENTON BORO	75	29	46	0	68	6	1	0
COLLINGSWOOD BORO	172	75	97	0	170	2	0	0
GIBBSBORO BORO	17	6	11	0	17	0	0	0
GLOUCESTER CITY	159	83	76	0	158	1	0	0
GLOUCESTER TWP	256	136	120	0	239	15	2	0
HADDON HEIGHTS BORO	108	47	61	0	107	1	0	0
HADDON TWP	193	83	110	0	193	0	0	0
HADDONFIELD BORO	89	41	48	0	85	4	0	0
HI-NELLA BORO	5	4	1	0	4	1	0	0
LAUREL SPRINGS BORO	14	7	7	0	14	0	0	0
LAWN SIDE BORO	37	20	17	0	2	34	1	0
LINDENWOLD BORO	104	56	48	0	95	9	0	0
MAGNOLIA BORO	42	18	24	0	35	7	0	0
MERCHANTVILLE BORO	35	17	18	0	35	0	0	0
MOUNT EPHRAIM BORO	60	30	30	0	60	0	0	0
OAKLYN BORO	54	26	28	0	54	0	0	0
PENNSAUKEN TWP	382	190	192	0	346	36	0	0
PINE HILL BORO	74	44	30	0	69	5	0	0
RUNNEMEDE BORO	87	50	37	0	87	0	0	0
SOMERDALE BORO	64	34	30	0	60	4	0	0
STRATFORD BORO	67	37	30	0	65	2	0	0
VOORHEES TWP	133	51	82	0	129	4	0	0
WATERFORD TWP	82	39	43	0	70	12	0	0
WINSLOW TWP	135	74	61	0	106	29	0	0
WOOD-LYNNE BORO	34	17	17	0	34	0	0	0
TOTAL CAMDEN	4414	2271	2143	0	3758	638	18	0

CAPE MAY COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
AVALON BORO	30	18	12	0	30	0	0	0
CAPE MAY CITY	86	37	49	0	78	7	1	0
CAPE MAY POINT BORO	8	5	3	0	8	0	0	0
DENNIS TWP	49	26	23	0	49	0	0	0
LOWER TWP	228	119	109	0	228	0	0	0
MIDDLE TWP	207	115	92	0	186	20	1	0
NORTH WILDWOOD CITY	71	38	33	0	70	1	0	0
OCEAN CITY	233	104	129	0	225	8	0	0
SEA ISLE CITY	38	17	21	0	38	0	0	0
STONE HARBOR BORO	19	9	10	0	19	0	0	0
UPPER TWP	78	50	28	0	78	0	0	0
WEST CAPE MAY BORO	21	9	12	0	15	6	0	0
WEST WILDWOOD BORO	4	1	3	0	4	0	0	0
WILDWOOD CITY	86	46	40	0	70	15	0	1
WILDWOOD CREST BORO	49	28	21	0	48	1	0	0
WOODBINE BORO	28	18	10	0	22	6	0	0
TOTAL CAPE MAY	1235	640	595	0	1168	64	2	1

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

CUMBERLAND COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BRIDGETON CITY	292	139	153	0	207	79	6	0
COMMERCIAL TWP	36	19	16	1	26	10	0	0
DEERFIELD TWP	13	7	6	0	13	0	0	0
DOWNE TWP	26	15	11	0	26	0	0	0
FAIRFIELD TWP	26	13	13	0	17	9	0	0
GREENWICH TWP	8	4	4	0	7	1	0	0
HOPEWELL TWP	24	14	10	0	19	4	1	0
LAWRENCE TWP	19	11	8	0	14	5	0	0
MAURICE RIVER TWP	37	21	16	0	35	2	0	0
MILLVILLE CITY	302	149	153	0	284	16	2	0
SHILOH BORO	4	1	3	0	4	0	0	0
STOW CREEK TWP	7	3	4	0	7	0	0	0
UPPER DEERFIELD TWP	58	31	26	1	51	5	2	0
VINELAND CITY	540	270	270	0	504	27	9	0
TOTAL CUMBERLAND	1392	697	693	2	1214	158	20	0

ESSEX COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BELLEVILLE TOWN	338	161	177	0	326	9	3	0
BLOOMFIELD TOWN	526	237	289	0	516	9	1	0
CALDWELL BORO	88	31	57	0	87	1	0	0
CEDAR GROVE TWP	130	67	63	0	125	3	2	0
EAST ORANGE CITY	867	436	431	0	222	640	4	1
ESSEX FELS BORO	17	6	11	0	17	0	0	0
FAIRFIELD BORO	50	28	22	0	50	0	0	0
GLEN RIDGE BORO	49	22	27	0	45	4	0	0
IRVINGTON TOWN	600	319	281	0	391	205	4	0
LIVINGSTON TWP	225	103	122	0	219	2	3	1
MAPLEWOOD TWP	215	112	103	0	210	4	1	0
MILLBURN TWP	165	81	84	0	163	1	1	0
MONTCLAIR TOWN	415	186	229	0	269	145	1	0
NEWARK CITY	3278	1844	1432	2	1148	2086	28	16
NORTH CALDWELL BORO	39	25	14	0	39	0	0	0
NUTLEY TOWN	253	116	137	0	250	3	0	0
ORANGE CITY	380	203	176	1	192	188	0	0
ROSELAND BORO	41	30	11	0	41	0	0	0
SOUTH ORANGE VIL	120	56	64	0	110	10	0	0
VERONA BORO	134	57	77	0	131	2	1	0
WEST CALDWELL BORO	107	48	59	0	107	0	0	0
WEST ORANGE TOWN	524	225	298	1	509	14	1	0
TOTAL ESSEX	8561	4393	4164	4	5167	3326	50	18

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
CLAYTON BORO	54	42	12	0	43	11	0	0
DEPTFORD TWP	168	92	76	0	162	6	0	0
EAST GREENWICH TWP	34	14	20	0	32	2	0	0
ELK TWP	15	8	7	0	13	2	0	0
FRANKLIN TWP	77	46	31	0	68	9	0	0
GLASSBORO BORO	132	67	65	0	94	38	0	0
GREENWICH TWP	43	16	27	0	42	1	0	0
HARRISON TWP	45	31	14	0	44	1	0	0
LOGAN TWP	14	8	6	0	14	0	0	0
MANTUA TWP	129	67	62	0	125	2	2	0
MONROE TWP	204	105	99	0	170	32	2	0
NATIONAL PARK BORO	46	24	22	0	46	0	0	0
NEWFIELD BORO	27	15	12	0	26	1	0	0
PAULSBORO BORO	80	38	42	0	65	15	0	0
PITMAN BORO	121	55	66	0	121	0	0	0
SOUTH HARRISON TWP	8	6	2	0	7	1	0	0
SWEDESBORO BORO	42	20	22	0	39	3	0	0
WASHINGTON TWP	130	73	57	0	122	7	1	0
WENONAH BORO	42	17	25	0	35	7	0	0
WEST DEPTFORD TWP	105	57	48	0	99	5	0	1
WESTVILLE BORO	73	41	32	0	64	8	1	0
WOODBURY CITY	193	82	111	0	161	31	1	0
WOODBURY HEIGHTS BORO	20	12	8	0	19	1	0	0
WOOLWICH TWP	7	4	3	0	7	0	0	0
TOTAL GLOUCESTER	1809	940	869	0	1618	183	7	1

HUDSON COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BAYONNE CITY	830	434	396	0	808	20	2	0
EAST NEWARK BORO	20	7	13	0	19	1	0	0
GUTTENBERG TOWN	89	43	46	0	88	1	0	0
HARRISON TOWN	115	62	53	0	115	0	0	0
HOBOKEN CITY	338	187	151	0	317	17	4	0
JERSEY CITY	2502	1340	1161	1	1781	660	57	4
KEARNY TOWN	365	199	166	0	361	1	3	0
NORTH BERGEN TWP	537	254	283	0	527	8	2	0
SECAUCUS TOWN	177	95	82	0	172	0	5	0
UNION CITY	455	230	225	0	441	9	4	1
WEEHAWKEN TWP	105	52	53	0	104	1	0	0
WEST NEW YORK TOWN	358	191	167	0	352	3	3	0
TOTAL HUDSON	5891	3094	2796	1	5085	721	80	5

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ALEXANDRIA TWP	10	9	1	0	10	0	0	0
BETHELEM TWP	11	4	7	0	11	0	0	0
BLOOMSBURY BORO	8	5	3	0	7	1	0	0
CALIFON BORO	8	4	4	0	8	0	0	0
CLINTON TOWN	24	16	8	0	24	0	0	0
CLINTON TWP	32	20	12	0	32	0	0	0
DELAWARE TWP	13	6	7	0	13	0	0	0
EAST AMWELL TWP	17	12	5	0	17	0	0	0
FLEMINGTON BORO	70	43	27	0	69	1	0	0
FRANKLIN TWP	24	12	12	0	24	0	0	0
FRENCHTOWN BORO	15	6	9	0	15	0	0	0
GLEN GARDNER BORO	16	4	12	0	16	0	0	0
HAMPTON BORO	20	12	8	0	19	1	0	0
HIGH BRIDGE BORO	30	14	16	0	29	0	1	0
HOLLAND TWP	22	12	10	0	22	0	0	0
KINGWOOD TWP	11	6	5	0	10	1	0	0
LAMBERTVILLE CITY	48	19	29	0	44	4	0	0
LEBANON BORO	10	5	5	0	10	0	0	0
LEBANON TWP	37	20	17	0	37	0	0	0
MILFORD BORO	29	22	7	0	29	0	0	0
RARITAN TWP	62	19	43	0	62	0	0	0
READINGTON TWP	59	29	30	0	57	2	0	0
STOCKTON BORO	10	4	6	0	10	0	0	0
TEWKSBURY TWP	27	11	16	0	26	1	0	0
UNION TWP	16	5	11	0	16	0	0	0
WEST AMWELL TWP	13	9	4	0	13	0	0	0
TOTAL HUNTERDON	642	328	314	0	630	11	1	0

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
EAST WINDSOR TWP	116	51	64	1	109	4	3	0
EWING TWP	348	165	183	0	315	33	0	0
HAMILTON TWP	793	392	401	0	764	27	2	0
HIGHTSTOWN BORO	88	39	49	0	79	9	0	0
HOPEWELL BORO	4	1	3	0	4	0	0	0
HOPEWELL TWP	68	37	31	0	67	1	0	0
LAWRENCE TWP	194	94	100	0	177	17	0	0
PENNINGTON BORO	24	12	12	0	24	0	0	0
PRINCETON BORO	125	51	74	0	110	11	4	0
PRINCETON TWP	77	40	37	0	61	13	3	0
TRENTON CITY	1207	625	582	0	762	436	8	1
WASHINGTON TWP	36	21	15	0	35	1	0	0
WEST WINDSOR TWP	37	19	18	0	36	0	1	0
TOTAL MERCER	3117	1547	1569	1	2543	552	21	1

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	SEX				RACE			
	TOTAL	MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
CARTERET BORO	222	124	98	0	211	10	1	0
CRANBURY TWP	84	53	31	0	81	2	1	0
DUNELLEN BORO	59	32	27	0	58	1	0	0
EAST BRUNSWICK TWP	248	152	96	0	239	0	9	0
EDISON TWP	637	326	311	0	613	18	6	0
HELMETTA BORO	9	2	7	0	9	0	0	0
HIGHLAND PARK BORO	104	55	49	0	101	3	0	0
JAMESBURG BORO	86	55	31	0	83	3	0	0
METUCHEN BORO	152	74	78	0	142	8	1	1
MIDDLESEX BORO	119	62	57	0	116	2	1	0
MILLTOWN BORO	55	23	32	0	55	0	0	0
MONROE TWP	181	90	91	0	179	1	1	0
NEW BRUNSWICK CITY	328	173	155	0	224	102	2	0
NORTH BRUNSWICK TWP	175	96	79	0	162	8	5	0
OLD BRIDGE TWP	346	176	170	0	341	4	1	0
PERTH AMBOY CITY	447	224	223	0	425	20	2	0
PISCATAWAY TWP	243	134	109	0	200	38	4	1
PLAINSBORO TWP	33	19	14	0	28	4	1	0
SAYREVILLE BORO	322	167	155	0	319	0	3	0
SOUTH AMBOY CITY	124	54	70	0	123	0	1	0
SOUTH BRUNSWICK TWP	125	61	64	0	116	8	1	0
SOUTH PLAINFIELD BORO	162	84	78	0	156	6	0	0
SOUTH RIVER BORO	130	64	66	0	123	6	0	1
SPOTSWOOD BORO	89	48	41	0	88	0	1	0
WOODBRIE TWP	784	431	353	0	759	18	7	0
TOTAL MIDDLESEX	5264	2779	2485	0	4951	262	48	3

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ABERDEEN TWP	113	64	49	0	95	16	2	0
ALLENHURST BORO	5	1	4	0	4	0	0	1
ALLENTOWN BORO	16	4	12	0	13	3	0	0
ASBURY PARK CITY	251	115	136	0	158	92	1	0
ATLANTIC HIGHLANDS BORO	53	27	26	0	48	5	0	0
AVON-BY-THE-SEA BORO	35	17	18	0	35	0	0	0
BELMAR BORO	101	47	54	0	97	4	0	0
BRADLEY BEACH BORO	48	25	23	0	46	1	1	0
BRIELLE BORO	43	22	21	0	36	7	0	0
COLTS NECK TOWNSHIP	46	27	19	0	46	0	0	0
DEAL BORO	19	6	13	0	19	0	0	0
EATONTOWN BORO	109	45	64	0	102	6	1	0
ENGLISHTOWN BORO	62	36	26	0	60	2	0	0
FAIR HAVEN BORO	42	19	23	0	40	2	0	0
FARMINGDALE BORO	11	7	4	0	11	0	0	0
FREEHOLD BORO	98	45	53	0	87	10	1	0
FREEHOLD TWP	206	97	109	0	196	8	2	0
HAZLET TWP	181	86	95	0	178	2	1	0
HIGHLANDS BORO	57	33	24	0	57	0	0	0
HOLMDEL TWP	74	31	43	0	72	0	2	0
HOWELL TWP	218	124	94	0	208	5	5	0
INTERLAKEN BORO	13	5	8	0	13	0	0	0
KEANSBURG BORO	150	85	65	0	150	0	0	0
KEYPORT BORO	96	39	57	0	92	4	0	0
LITTLE SILVER BORO	55	30	25	0	55	0	0	0
LOCH ARBOUR VILLAGE	1	1	0	0	1	0	0	0
LONG BRANCH CITY	335	168	167	0	295	37	3	0
MANALAPAN TWP	120	58	62	0	113	6	1	0
MANASQUAN BORO	60	30	30	0	59	0	1	0
MARLBORO TWP	103	60	43	0	98	4	1	0
MATAWAN BORO	116	63	53	0	110	6	0	0
MIDDLETOWN TWP	524	259	265	0	511	7	6	0
MILLSTONE TWP	36	19	17	0	34	2	0	0
MONMOUTH BEACH BORO	27	14	13	0	27	0	0	0
NEPTUNE CITY BORO	54	22	32	0	52	2	0	0
NEPTUNE TWP	398	172	226	0	324	71	3	0
OCEAN TWP	199	93	106	0	195	2	2	0
OCEANPORT BORO	35	21	14	0	33	2	0	0
RED BANK BORO	216	95	121	0	178	38	0	0
ROOSEVELT BORO	7	4	3	0	7	0	0	0
RUMSON BORO	56	28	28	0	55	1	0	0
SEA BRIGHT BORO	13	9	4	0	11	2	0	0
SEA GIRT BORO	35	14	21	0	34	0	1	0
SHREWSBURY BORO	17	12	5	0	17	0	0	0
SHREWSBURY TWP	18	11	7	0	16	2	0	0
SOUTH BELMAR BORO	27	16	11	0	22	5	0	0
SPRING LAKE BORO	43	22	21	0	43	0	0	0
SPRING LAKE HEIGHTS BORO	78	37	41	0	77	0	1	0
TINTON FALLS BORO	44	20	24	0	38	6	0	0
UNION BEACH BORO	54	30	24	0	52	0	2	0
UPPER FREEHOLD TWP	19	10	9	0	17	2	0	0
WALL TWP	190	87	103	0	189	1	0	0
WEST LONG BRANCH BORO	63	34	29	0	62	1	0	0
TOTAL MONMOUTH	4990	2446	2544	0	4588	364	37	1

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

MORRIS COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BOONTON TOWN	91	46	45	0	87	4	0	0
BOONTON TWP	16	3	13	0	16	0	0	0
BUTLER BORO	46	18	28	0	46	0	0	0
CHATHAM BORO	77	41	36	0	75	1	1	0
CHATHAM TWP	59	20	39	0	59	0	0	0
CHESTER BORO	11	5	6	0	11	0	0	0
CHESTER TWP	21	13	8	0	21	0	0	0
DENVILLE TWP	114	53	61	0	111	1	2	0
DOVER TOWN	191	86	105	0	179	11	1	0
EAST HANOVER TWP	63	29	34	0	61	1	0	1
FLORHAM PARK BORO	74	32	42	0	74	0	0	0
HANOVER TWP	76	36	40	0	74	1	1	0
HARDING TWP	22	10	12	0	22	0	0	0
JEFFERSON TWP	117	58	59	0	117	0	0	0
KINNELON BORO	34	19	15	0	34	0	0	0
LINCOLN PARK BORO	107	40	67	0	106	1	0	0
MADISON BORO	128	62	66	0	126	2	0	0
MENDHAM BORO	32	16	16	0	30	2	0	0
MENDHAM TWP	35	18	17	0	35	0	0	0
MINE HILL TWP	33	15	18	0	33	0	0	0
MONTVILLE TWP	103	51	52	0	99	3	1	0
MORRIS PLAINS BORO	68	36	32	0	67	0	1	0
MORRIS TWP	125	50	75	0	121	4	0	0
MORRISTOWN TOWN	247	114	133	0	210	36	1	0
MOUNT ARLINGTON BORO	21	10	11	0	21	0	0	0
MOUNT OLIVE TWP	103	50	53	0	102	1	0	0
MOUNTAIN LAKES BORO	18	5	13	0	18	0	0	0
NETCONG BORO	21	15	6	0	20	0	1	0
PARSIPPANY-TROY HILLS TWP	281	161	120	0	269	7	5	0
PASSAIC TWP	53	22	31	0	52	0	1	0
PEQUANNOCK TWP	133	58	75	0	130	1	2	0
RANDOLPH TWP	92	47	45	0	92	0	0	0
RIVERDALE BORO	22	7	15	0	22	0	0	0
ROCKAWAY BORO	79	46	33	0	77	1	0	1
ROCKAWAY TWP	86	46	40	0	86	0	0	0
ROXBURY TWP	129	66	63	0	129	0	0	0
VICTORY GARDENS BORO	4	3	1	0	3	1	0	0
WASHINGTON TWP	80	31	49	0	80	0	0	0
WHARTON BORO	45	19	26	0	44	1	0	0
TOTAL MORRIS	3057	1457	1600	0	2959	79	17	2

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

OCEAN COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BARNEGAT LIGHT BORO	5	3	2	0	5	0	0	0
BARNEGAT TWP	102	51	51	0	99	2	1	0
BAY HEAD BORO	17	11	6	0	17	0	0	0
BEACH HAVEN BORO	31	19	12	0	31	0	0	0
BEACHWOOD BORO	57	32	25	0	56	0	1	0
BERKELEY TWP	512	295	217	0	503	4	4	1
BRICK TWP	641	347	294	0	640	0	1	0
DOVER TWP	986	512	474	0	977	5	1	3
EAGLESWOOD TWP	17	12	5	0	17	0	0	0
HARVEY CEDARS BORO	7	3	4	0	7	0	0	0
ISLAND HEIGHTS BORO	17	8	9	0	17	0	0	0
JACKSON TWP	244	127	117	0	239	4	1	0
LACEY TWP	212	110	102	0	212	0	0	0
LAKEHURST BORO	123	53	70	0	116	5	1	1
LAKEWOOD TWP	748	347	401	0	699	47	2	0
LAVALLETTE BORO	47	26	21	0	47	0	0	0
LITTLE EGG HARBOR TWP	104	61	43	0	104	0	0	0
LONG BEACH TWP	44	25	19	0	44	0	0	0
MANCHESTER TWP	805	419	386	0	801	2	1	1
MANTOLOKING BORO	18	11	7	0	18	0	0	0
OCEAN GATE BORO	27	10	17	0	27	0	0	0
OCEAN TWP	73	48	25	0	73	0	0	0
PINE BEACH BORO	22	11	11	0	21	0	1	0
PLUMSTED TWP	44	24	20	0	43	1	0	0
POINT PLEASANT BEACH BORO	38	22	16	0	36	1	0	1
POINT PLEASANT BORO	258	131	127	0	256	2	0	0
SEASIDE HEIGHTS BORO	29	12	17	0	29	0	0	0
SEASIDE PARK BORO	35	18	17	0	35	0	0	0
SHIP BOTTOM BORO	19	9	10	0	19	0	0	0
SOUTH TOMS RIVER BORO	26	16	10	0	22	4	0	0
STAFFORD TWP	113	55	58	0	111	1	0	1
SURF CITY BORO	28	13	15	0	28	0	0	0
TUCKERTON BORO	52	23	29	0	52	0	0	0
TOTAL OCEAN	5501	2864	2637	0	5401	78	14	8

PASSAIC COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BLOOMINGDALE BORO	57	28	29	0	57	0	0	0
CLIFTON CITY	941	473	468	0	938	2	1	0
HALEDON BORO	107	49	58	0	106	1	0	0
HAWTHORNE BORO	187	82	105	0	187	0	0	0
LITTLE FALLS TWP	125	70	55	0	125	0	0	0
NORTH HALEDON BORO	81	45	36	0	81	0	0	0
PASSAIC CITY	543	275	268	0	435	104	4	0
PATERSON CITY	1422	778	644	0	984	425	13	0
POMPTON LAKES BORO	103	47	56	0	103	0	0	0
PROSPECT PARK BORO	51	25	26	0	50	1	0	0
RINGWOOD BORO	60	35	25	0	58	1	1	0
TOTOWA BORO	130	77	53	0	129	1	0	0
WANAQUE BORO	89	47	42	0	86	1	1	1
WAYNE TWP	467	203	263	1	461	4	2	0
WEST MILFORD TWP	130	58	72	0	128	1	1	0
WEST PATERSON BORO	101	57	44	0	101	0	0	0
TOTAL PASSAIC	4594	2349	2244	1	4029	541	23	1

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

SALEM COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ALLOWAY TWP	27	17	10	0	24	3	0	0
CARNEYS POINT TWP	89	38	51	0	78	11	0	0
ELMER BORO	35	20	15	0	34	1	0	0
ELSINBORO TWP	13	8	5	0	13	0	0	0
LOWER ALLOWAY CREEK TWP	13	9	4	0	12	1	0	0
MANNINGTON TWP	15	6	9	0	14	1	0	0
OLDMANS TWP	19	12	7	0	17	2	0	0
PENNS GROVE BORO	54	25	29	0	34	20	0	0
PENNSVILLE TWP	132	81	51	0	128	4	0	0
PIESGROVE TWP	18	10	8	0	16	1	1	0
PITTSGROVE TWP	47	28	19	0	44	3	0	0
QUINTON TWP	24	10	14	0	20	4	0	0
SALEM CITY	108	61	47	0	67	41	0	0
UPPER PITTSGROVE TWP	27	10	17	0	26	1	0	0
WOODSTOWN BORO	63	31	32	0	48	15	0	0
TOTAL SALEM	684	366	318	0	575	108	1	0

SOMERSET COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BEDMINSTER TWP	25	12	13	0	24	0	1	0
BERNARDS TWP	123	53	70	0	122	1	0	0
BERNARDSVILLE BORO	35	20	15	0	35	0	0	0
BOUND BROOK BORO	88	45	43	0	86	1	1	0
BRANCHBURG TWP	56	32	24	0	55	1	0	0
BRIDGEWATER TWP	173	83	90	0	171	0	1	1
FAR HILLS BORO	6	3	3	0	6	0	0	0
FRANKLIN TWP	218	106	112	0	185	31	2	0
GREEN BROOK TWP	39	15	24	0	39	0	0	0
HILLSBOROUGH TWP	89	53	36	0	86	2	1	0
MANVILLE BORO	101	54	47	0	101	0	0	0
MILLSTONE BORO	6	4	2	0	5	1	0	0
MONTGOMERY TWP	56	28	28	0	52	1	2	1
NORTH PLAINFIELD BORO	151	60	91	0	149	1	1	0
PEAPACK-GLADSTONE BORO	17	7	10	0	17	0	0	0
RARITAN BORO	53	27	26	0	52	0	1	0
ROCKY HILL BORO	11	4	7	0	11	0	0	0
SOMERVILLE BORO	201	93	108	0	179	22	0	0
SOUTH BOUND BROOK BORO	38	21	17	0	35	3	0	0
WARREN TWP	67	26	41	0	67	0	0	0
WATCHUNG BORO	43	15	28	0	42	0	1	0
TOTAL SOMERSET	1596	761	835	0	1519	64	11	2

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ANDOVER BORO	9	7	2	0	8	1	0	0
ANDOVER TWP	87	32	55	0	87	0	0	0
BRANCHVILLE BORO	23	15	8	0	22	1	0	0
BYRAM TWP	23	12	11	0	23	0	0	0
FRANKFORD TWP	53	27	26	0	53	0	0	0
FRANKLIN BORO	25	15	10	0	25	0	0	0
FREDON TWP	15	7	8	0	15	0	0	0
GREEN TWP	10	4	6	0	10	0	0	0
HAMBURG BORO	25	19	6	0	25	0	0	0
HAMPTON TWP	30	22	8	0	30	0	0	0
HARDYSTON TWP	24	13	11	0	24	0	0	0
HOPATCONG BORO	78	42	36	0	77	0	1	0
LAFAYETTE TWP	15	12	3	0	15	0	0	0
MONTAGUE TWP	13	6	7	0	13	0	0	0
NEWTON TOWN	104	51	53	0	104	0	0	0
OGDENSBURG BORO	22	13	9	0	22	0	0	0
SANDYSTON TWP	12	7	5	0	12	0	0	0
SPARTA TWP	77	38	39	0	77	0	0	0
STANHOPE BORO	30	10	20	0	29	1	0	0
STILLWATER TWP	17	8	9	0	17	0	0	0
SUSSEX BORO	42	26	16	0	41	0	1	0
VERNON TWP	62	28	34	0	61	0	1	0
WALPACK TWP	1	1	0	0	1	0	0	0
WANTAGE TWP	48	26	22	0	48	0	0	0
TOTAL SUSSEX	845	441	404	0	839	3	3	0

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
BERKELEY HEIGHTS TWP	92	34	58	0	88	0	4	0
CLARK TWP	134	67	67	0	134	0	0	0
CRANFORD TWP	205	88	117	0	195	8	2	0
ELIZABETH CITY	1116	592	524	0	926	174	14	2
FANWOOD BORO	55	32	23	0	53	2	0	0
GARWOOD BORO	42	25	17	0	42	0	0	0
HILLSIDE TWP	228	118	110	0	185	41	2	0
KENILWORTH BORO	88	36	52	0	84	4	0	0
LINDEN CITY	472	235	237	0	424	47	1	0
MOUNTAINSIDE BORO	67	38	29	0	65	0	2	0
NEW PROVIDENCE BORO	86	38	48	0	86	0	0	0
PLAINFIELD CITY	452	230	222	0	227	221	2	2
RAHWAY CITY	304	166	138	0	254	49	1	0
ROSELLE BORO	209	111	98	0	161	46	2	0
ROSELLE PARK BORO	127	57	70	0	124	0	3	0
SCOTCH PLAINS TWP	178	90	88	0	158	17	3	0
SPRINGFIELD TWP	171	80	91	0	167	4	0	0
SUMMIT CITY	180	90	90	0	166	13	1	0
UNION TWP	608	294	314	0	566	42	0	0
WESTFIELD TOWN	262	117	145	0	253	7	2	0
WINFIELD TWP	21	13	8	0	21	0	0	0
TOTAL UNION	5097	2551	2546	0	4379	675	39	4

TABLE-12 (Continued)

RESIDENT DEATHS--BY COUNTY, PLACE OF RESIDENCE, SEX AND RACE
1988

WARREN COUNTY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
ALLAMUCHY TWP	9	4	5	0	9	0	0	0
ALPHA BORO	26	17	9	0	26	0	0	0
BELVIDERE TOWN	34	19	15	0	34	0	0	0
BLAIRSTOWN TWP	45	26	19	0	44	0	0	1
FRANKLIN TWP	24	12	12	0	23	1	0	0
FRELINGHUYSEN TWP	7	2	5	0	7	0	0	0
GREENWICH TWP	16	7	9	0	16	0	0	0
HACKETTSTOWN TOWN	116	50	66	0	116	0	0	0
HARDWICK TWP	5	2	3	0	5	0	0	0
HARMONY TWP	14	7	7	0	14	0	0	0
HOPE TWP	11	7	4	0	11	0	0	0
INDEPENDENCE TWP	20	11	9	0	19	1	0	0
KNOWLTON TWP	24	14	10	0	24	0	0	0
LIBERTY TWP	5	1	4	0	5	0	0	0
LOPATCONG TWP	41	19	22	0	41	0	0	0
MANSFIELD TWP	34	20	14	0	32	2	0	0
OXFORD TWP	24	13	11	0	24	0	0	0
PAHAQUARRY TWP	1	1	0	0	1	0	0	0
PHILLIPSBURG TOWN	223	108	115	0	219	3	1	0
POHATCONG TWP	22	13	9	0	22	0	0	0
WASHINGTON BORO	8	3	5	0	7	1	0	0
WASHINGTON TWP	98	40	58	0	97	1	0	0
WHITE TWP	17	14	3	0	17	0	0	0
TOTAL WARREN	824	410	414	0	813	9	1	1

STATE INST

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
N J ST COLONY MALES NEW L	2	2	0	0	2	0	0	0
N J ST NEURO PSYCHIATRIC	1	1	0	0	1	0	0	0
N J ST TRAINING SCHOOL VI	1	1	0	0	1	0	0	0
TOTAL STATE INST	4	4	0	0	4	0	0	0

MILITARY

RESIDENCE	TOTAL	SEX			RACE			
		MALE	FEMALE	UNKN	WHITE	BLACK	OTHER	UNKN
FORT DIX	7	5	2	0	5	2	0	0
FORT MONMOUTH	2	1	1	0	1	1	0	0
MCGUIRE AIR BASE FORT DIX	5	3	2	0	5	0	0	0
N J ST VETS ADM HOSP LYON	6	6	0	0	6	0	0	0
VETERANS HOSPITAL EAST OR	5	5	0	0	1	4	0	0
TOTAL MILITARY	25	20	5	0	18	7	0	0

Marriages/Divorces 1988

TAB-E

CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Marriages/Divorces 1988

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Marriages/Divorces 1988

INTRODUCTION

Marriage statistics provided in this report were tabulated from items reported on marriage certificates filed with the New Jersey State Registrar for calendar year 1988. Divorce data were obtained from the New Jersey Superior Court, Chancery Division. Both marriages and divorces are recorded by place of occurrence or judgment. Statistics presented refer to the number of events within New Jersey, regardless of place of residence of the participants. The crude rates published in this report for both marriages and divorces are based on the 1988 New Jersey annual estimates of population released by the New Jersey Department of Labor.

It should be noted that this presentation of crude rates ignores any discrepancies between place of residence and the place where marriages and divorces occur. For instance, marriages of New Jersey residents occurring outside the state are not included, while marriages involving non-residents are included if the place of marriage is located in New Jersey. The user should expect these crude rates to differ from rates based upon marriage and divorce data analyzed by place of residence.

STATISTICAL OVERVIEW

Number of Marriages

The number of marriage certificates issued in New Jersey during 1988 was 61,063. In 1984 the highest level was recorded since the start of statistical reporting of marriages. That year 62,654 certificates were issued, surpassing the 61,020 reached in 1946, the year following the end of World War II. Since 1984 the number of certificates issued each year has remained above 60,000. The highest rate of marriages recorded in New Jersey per 1,000 New Jersey residents was attained in 1951 when the level was 8.9 per 1,000 population. A low in the number of marriages and the corresponding rate per 1,000 population was reached in 1977, 50,677 marriages and a rate of 6.9. The rate of marriages to residents for 1988 was 7.9 per 1,000.

The greatest number of marriages occurred in Essex County (7,013) and the lowest number for Salem County (439). Six of the state's counties accounted for over 50 percent of the marriages during 1988; in descending order they are: Essex (7,013), Bergen (6,566), Middlesex (5,026), Monmouth (4,652), Hudson (4,425), and Union (4,082). In 1988 Atlantic County recorded the highest marriage rate, 9.1 per 1,000 population, followed by Cape May with 8.8. Essex, Morris and Passaic followed with identical rates of 8.4 and Ocean County had the lowest rate, 6.3 per 1,000.

Previous Marital Status

Data on marital status at time of marriage showed that the proportion of men to women previously married has remained stable over the past five years. The decrease in first marriages between 1987 and 1988 was 0.5 percent for women and 0.7 percent for men. Sixty-nine percent of all marriages were between persons marrying for the first time; in 74.6 percent of all marriages the woman was marrying for the first time. Twenty-four percent of all marriages involved a previously divorced male, while 23 percent of all marriages involved a previously divorced female.

Age

In 1988 the average age at time of marriage (regardless of previous marital status) was 28.2 years for women and 30.6 years for men, the highest ever recorded. The mean ages for both sexes have been increasing slowly for many years. However, the average age for women is rising faster than that for men. The number of women and men marrying before the age of 25 continues to decline. In 1988 36.5 percent of the women married before the age of 25, compared to 38.5 percent of the women in 1987, 40.0 percent in 1986, and 42.3 percent in 1985. The same pattern also applied to men marrying before the age of 25 -- 22.9 percent in 1988 versus 24.7 percent in 1987. Teenage brides, likewise, continued their downward trend to a level of 3,211 in 1988 compared to 3,677 in 1987 and 4,077 in 1986. Teenage brides comprised 5.3 percent of all brides in 1988, compared to 6.1 percent, 6.6 percent and 7.2 percent in 1987 through 1985, respectively.

DISSOLUTION OF MARRIAGE

For every two marriages during 1988, one divorce occurred. There were 26,897 divorces and annulments during the 1988 calendar year. This was a total of 325 less than in 1987. Since the number of marriages increased, the one percent decrease in the number of divorces resulted in a slightly higher ratio of marriages to divorces (2.2 in 1987 versus 2.3 in 1988). The marriage dissolution rate, the number of dissolutions per 1,000 population, reached 4.1, an all-time high, in 1982. In 1983 and 1984 the rate returned to the 1981 level of 3.8 per 1,000 population. In 1985 the marriage dissolution rate increased slightly to 3.9, before falling to 3.6 in 1986 and then to 3.5 per 1,000 in 1987 where it remained in 1988.

When comparing the number of divorces, the top ranking seven counties were the same as in 1984. These counties, Bergen, Essex, Middlesex, Hudson, Monmouth, Union and Camden, accounted for over 55 percent of the dissolutions that took place.

TABLE-1
NEW JERSEY
AVERAGE AGE AT MARRIAGE AND PREVIOUS MARITAL STATUS: 1974-1988

Year	Marriages Number	Rate	Average Age		Previous Marital Status					
			WOMEN	MEN	WOMEN			MEN		
			Percent Single	Percent Widowed	Percent Divorced	Percent Single	Percent Widowed	Percent Divorced		
1974	56,449	7.6	25.9	28.5	79.3	4.5	16.2	76.8	4.6	18.6
1975	53,008	7.2	26.1	28.8	78.0	4.5	17.5	75.4	4.7	19.9
1976	51,291	7.0	26.3	28.4	77.2	4.4	18.4	74.6	4.5	20.9
1977	50,677	6.9	26.4	29.1	76.8	4.1	19.1	73.9	4.3	21.8
1978	52,993	7.2	26.7	29.4	75.7	3.7	20.6	72.9	3.9	23.2
1979	54,740	7.5	26.3	29.1	75.4	4.1	20.5	72.4	4.2	23.5
1980	55,794	7.6	25.8	29.0	75.3	3.6	21.2	72.6	3.7	23.7
1981	56,010	7.8	26.7	29.3	74.4	3.3	22.0	71.9	3.5	24.4
1982	59,949	8.1	26.6	29.4	73.9	3.2	22.4	71.2	3.4	25.2
1983	61,798	8.3	26.7	29.5	74.0	3.0	22.7	71.5	3.2	25.1
1984	62,654	8.3	27.1	29.8	73.9	3.0	22.8	71.8	3.1	24.8
1985	61,189	8.1	27.8	30.3	74.2	2.7	23.0	72.0	2.8	25.1
1986	61,362	8.1	27.6	30.1	74.4	2.5	23.0	72.4	2.6	25.0
1987	60,550	7.9	27.8	30.3	74.6	2.6	22.8	72.9	2.6	24.5
1988	61,063	7.9	28.2	30.6	74.6	2.5	22.9	73.0	2.6	24.4

Note : (1) Number of marriages recorded in New Jersey per 1,000 New Jersey residents.

NEW JERSEY
MARRIAGE BY COUNTY OF OCCURRENCE, SEX, PREVIOUS MARITAL STATUS, AND AVERAGE AGE
1988

COUNTY OF OCCURRENCE	WOMEN				MEN				AVERAGE AGE		
	Total	Single	Widowed	Divorced	Unk	Single	Widowed	Divorced	Unk	Women	Men
STATE TOTAL	61,063	45,546	1,520	13,990	7	44,564	1,563	14,929	7	28	31
ATLANTIC COUNTY	1,931	1,324	54	553	0	1,325	53	553	0	29	31
BERGEN COUNTY	6,566	5,125	160	1,280	1	4,954	165	1447	0	28	31
BURLINGTON COUNTY	3,030	2,078	85	867	0	2,107	95	828	0	28	31
CAMDEN COUNTY	3,477	2,553	98	826	0	2,519	111	847	0	28	30
CAPE MAY COUNTY	847	577	33	237	0	561	32	254	0	29	32
CUMBERLAND COUNTY	994	680	31	283	0	669	38	287	0	28	30
ESSEX COUNTY	7,013	5,581	145	1,287	0	5,321	154	1537	1	28	31
GLOUCESTER COUNTY	1,648	1,146	48	454	0	1,122	50	476	0	28	30
HUDSON COUNTY	4,425	3,369	94	960	2	3,270	98	1056	1	28	30
HUNTERDON COUNTY	757	548	18	191	0	525	16	216	0	28	31
MERCER COUNTY	2,598	1,908	59	631	0	1,875	74	648	1	29	31
MIDDLESEX COUNTY	5,026	3,831	108	1,087	0	3,800	92	1133	1	28	30
MONMOUTH COUNTY	4,652	3,429	124	1,098	1	3,352	129	1170	1	28	31
MORRIS COUNTY	3,539	2,700	83	756	0	2,683	82	774	0	28	30
OCEAN COUNTY	2,598	1,753	94	750	1	1,770	89	738	1	29	31
PASSAIC COUNTY	3,900	3,003	92	805	0	2,923	73	904	0	28	30
SALEM COUNTY	439	287	17	135	0	280	14	145	0	28	30
SOMERSET COUNTY	1,893	1,417	38	438	0	1,361	49	483	0	28	31
SUSSEX COUNTY	942	637	25	280	0	623	20	299	0	28	31
UNION COUNTY	4,082	3,133	94	853	2	3,053	111	917	1	28	31
WARREN COUNTY	629	420	19	190	0	421	18	190	0	28	30
STATE INSTITUTIONS	0	0	0	0	0	0	0	0	0	0	0
MILITARY POSTS	77	47	1	29	0	50	0	27	0	26	29

TABLE-3
MARRIAGES IN NEW JERSEY
BY PREVIOUS MARITAL STATUS OF WIFE AND
PREVIOUS MARITAL STATUS OF HUSBAND
1988

PREVIOUS MARITAL STATUS OF WIFE	PREVIOUS MARITAL STATUS OF HUSBAND									
	TOTAL		SINGLE		WIDOWED		DIVORCED		UNKNOWN	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SINGLE	45546	74.59	38469	86.32	259	16.57	6815	45.65	3	42.86
WIDOWED	1520	2.49	284	.64	621	39.73	615	4.12	0	.00
DIVORCED	13990	22.91	5807	13.03	683	43.70	7498	50.22	2	28.57
UNKNOWN	7	.01	4	.01	0	.00	1	.01	2	28.57
TOTAL	61063	100.00	44564	100.00	1563	100.00	14929	100.00	7	100.00

TABLE-4
MARRIAGES IN NEW JERSEY
BY AGE OF WIFE AND
BY AGE OF HUSBAND
1988

AGE GROUP OF WIFE	TOTAL	AGE OF HUSBAND																
		-15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	UNK
-15	10	0	0	1	1	2	2	3	0	0	0	1	0	0	0	0	0	0
15	35	0	0	5	9	6	14	0	0	1	0	0	0	0	0	0	0	0
16	179	0	4	7	27	27	92	18	3	1	0	0	0	0	0	0	0	0
17	349	0	1	3	14	37	72	173	41	5	2	0	1	0	0	0	0	0
18	1113	0	0	1	14	111	146	653	134	32	15	3	1	2	1	0	0	0
19	1525	0	0	0	9	61	141	953	291	49	12	4	4	1	0	0	0	0
20-24	19097	0	3	11	76	224	8521	7886	1768	423	120	50	8	4	2	1	0	0
25-29	18993	1	1	0	2	18	23	2024	9910	4731	1535	492	169	66	12	6	3	0
30-34	8955	1	0	0	0	6	5	361	2022	3294	1897	834	339	120	49	16	11	0
35-39	4539	0	0	0	1	0	2	94	452	977	1243	951	470	196	90	42	21	0
40-44	2679	0	0	1	0	0	0	23	113	259	419	716	568	308	163	79	30	0
45-49	1558	0	0	0	0	0	0	4	30	70	121	233	364	342	225	108	61	0
50-54	771	0	0	1	0	0	0	3	1	8	25	43	111	180	179	133	87	0
55-59	484	0	0	0	0	0	0	0	3	3	3	15	30	46	139	132	113	0
60-64	329	0	0	0	0	0	0	0	0	1	3	2	5	13	46	89	170	0
65+	446	0	0	0	0	0	0	0	0	2	1	1	2	11	17	43	369	0
UNKN.	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
TOTAL	61063	2	2	13	64	346	648	12918	20904	11202	5701	3414	2115	1293	925	650	866	0

**TABLE-5
MARRIAGES IN NEW JERSEY
BY AGE OF WIFE AT FIRST MARRIAGE AND
BY AGE OF HUSBAND AT FIRST MARRIAGE
1988**

AGE GROUP OF WIFE	TOTAL	AGE OF HUSBAND AT FIRST MARRIAGE															UNK		
		-15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64		65+	
-15	9	0	0	0	1	1	2	2	3	0	0	0	0	0	0	0	0	0	0
15	34	0	0	0	5	9	6	14	0	0	0	0	0	0	0	0	0	0	0
16	174	0	0	4	7	27	27	91	16	1	0	0	0	0	0	0	0	0	0
17	335	0	1	3	14	37	72	169	36	2	1	0	0	0	0	0	0	0	0
18	1064	0	0	1	14	111	146	645	119	17	7	1	1	1	1	0	0	0	0
19	1436	0	0	0	9	61	141	931	254	33	6	1	0	0	0	0	0	0	0
20-24	17404	0	0	3	11	76	224	8375	7257	1231	183	30	10	2	1	0	1	1	0
25-29	15393	1	1	0	1	18	22	1970	9120	3412	692	108	30	10	5	2	1	1	0
30-34	5510	1	0	0	0	6	5	343	1755	2283	866	175	56	13	5	1	1	1	0
35-39	1942	0	0	0	1	0	2	89	376	638	498	224	75	24	9	3	3	3	0
40-44	707	0	0	0	0	0	0	23	93	151	168	139	71	34	17	8	3	3	0
45-49	297	0	0	0	0	0	0	4	26	44	59	51	51	27	26	5	4	4	0
50-54	119	0	0	0	0	0	0	2	1	3	15	13	27	21	11	11	4	4	0
55-59	57	0	0	0	0	0	0	0	2	3	0	6	8	7	11	15	5	5	0
60-64	40	0	0	0	0	0	0	0	0	1	0	0	1	6	3	12	17	17	0
65+	42	0	0	0	0	0	0	0	0	1	1	1	0	2	6	6	25	25	0
UNKN.	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
TOTAL	44564	2	2	11	53	346	647	12659	19058	7822	2497	749	330	147	104	63	64	0	0

**TABLE-6
MARRIAGES IN NEW JERSEY
BY AGE OF WIFE AT FIRST MARRIAGE
BY AGE OF HUSBAND
1988**

AGE GROUP OF WIFE	TOTAL	AGE OF HUSBAND															UNK		
		-15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64		65+	
-15	9	0	0	0	1	1	2	2	3	0	0	0	0	0	0	0	0	0	0
15	35	0	0	0	5	9	6	14	0	0	1	0	0	0	0	0	0	0	0
16	179	0	0	4	7	27	27	92	18	3	1	0	0	0	0	0	0	0	0
17	348	0	1	3	14	37	72	173	41	5	2	0	0	0	0	0	0	0	0
18	1107	0	0	1	14	111	146	648	134	32	14	3	1	2	1	0	0	0	0
19	1518	0	0	0	9	61	141	950	289	49	11	4	3	1	0	0	0	0	0
20-24	18440	0	0	3	11	75	216	8323	7615	1645	386	109	42	8	4	2	1	1	0
25-29	16151	1	1	0	2	14	18	1676	8797	3911	1183	374	111	45	11	5	2	2	0
30-34	5293	1	0	0	0	3	2	187	1204	2085	1092	444	172	60	29	10	4	4	0
35-39	1544	0	0	0	0	0	2	27	169	349	438	292	150	66	24	15	12	12	0
40-44	490	0	0	0	0	0	0	4	19	35	84	114	110	66	37	15	6	6	0
45-49	203	0	0	0	0	0	0	0	7	12	19	26	49	38	27	17	8	8	0
50-54	95	0	0	0	0	0	0	1	0	1	5	3	14	27	17	16	11	11	0
55-59	61	0	0	0	0	0	0	0	0	1	0	1	1	10	14	22	12	12	0
60-64	27	0	0	0	0	0	0	0	0	0	0	0	1	1	7	10	8	8	0
65+	45	0	0	0	0	0	0	0	0	2	1	0	2	3	4	8	25	25	0
UNKN.	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
TOTAL	45546	2	2	11	63	338	632	12098	18296	8130	3237	1370	656	327	175	120	89	0	0

TABLE-7
 DIVORCES* IN NEW JERSEY: 1972-1988
 BY COUNTY OF ORIGIN

** Year	ATLANTIC	BERGEN	BURLINGTON	CAMDEN	CAPE MAY	CUMBERLAND	ESSEX	GLOUCESTER	HUDSON	HUNTERDON	MERCER	MIDDLESEX	MONMOUTH	MORRIS	OCEAN	PASSAIC	SALEM	SOMERSET	SUSSEX	UNION	WARREN	STATE TOTAL
1972	405	1710	547	958	136	396	1825	332	878	188	830	1364	1123	852	635	926	142	520	163	955	132	15017
1973	585	2431	1078	1418	184	472	2505	485	1477	210	1208	1835	1548	1275	924	1377	181	475	232	1616	538	22054
1974	594	2193	896	1387	194	448	2314	535	1247	221	980	1602	1570	1037	843	1224	184	699	245	1313	254	19880
1975	646	2363	897	1254	178	442	2099	515	1356	259	1183	1582	1665	1281	959	1278	141	598	284	1243	252	20475
1976	753	2407	981	1287	227	443	2263	549	1314	236	1242	1692	1720	1234	968	1197	156	499	298	1279	245	20990
1977	546	1999	1088	1267	241	531	2158	493	1557	253	1005	1558	1377	909	1097	1169	198	659	318	1166	307	19894
1978	746	2370	1209	1473	292	527	2377	672	1826	298	1330	2066	1718	1473	1358	1519	198	717	424	1767	392	24752
1979	570	2530	1381	1596	220	491	2388	657	1601	271	1215	1961	1654	1445	1138	1427	193	769	360	1650	317	23934
1980	676	2734	1386	1635	265	547	2440	850	1846	378	1251	2377	1818	1371	1421	1482	259	849	383	1467	348	25783
1981	938	3104	1551	1906	320	421	2580	815	1931	435	1292	2426	1950	1580	1493	1571	219	691	437	1812	380	27852
1982	941	3124	1614	1792	352	567	2904	1028	2269	395	1304	2489	2319	1864	1599	1895	229	859	538	1852	388	30322
1983	945	2758	1404	1786	341	601	2909	754	1992	389	1233	2218	2078	1604	1404	1781	243	807	481	1800	395	27923
1984	910	2956	1429	1762	422	571	2611	728	2001	407	1074	2497	2158	1780	1613	1742	224	808	554	1792	351	28470
1985	909	2962	1481	1848	373	611	2760	754	2003	424	1289	2568	2279	1782	1699	1631	262	794	508	1978	380	29295
1986	922	2841	1422	1819	390	568	2671	714	2094	359	1012	2503	2002	1605	1581	1509	234	794	512	1786	331	27669
1987	891	2649	1531	1849	353	549	2426	904	2024	400	1143	2354	1867	1575	1448	1509	263	778	479	1876	354	27222
1988	906	2716	1516	1762	396	520	2554	856	1965	384	1024	2486	1797	1431	1538	1450	238	755	481	1771	351	26897

* Includes annulments.
 ** Court Year: September 1 through August 31, 1968-1983. Calendar year used starting with 1984.

TABLE-8
 DIVORCES* IN NEW JERSEY BY COUNTY
 JANUARY - DECEMBER: 1988

County of Residence	Total	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Atlantic County	906	77	42	96	46	70	134	52	79	57	94	84	75
Bergen County	2,716	288	195	281	192	227	322	241	218	168	200	213	171
Burlington County	1,516	158	100	194	81	149	173	109	88	107	129	129	99
Camden County	1,762	179	103	217	113	166	246	107	145	122	146	102	116
Cape May County	396	38	19	43	31	48	42	25	36	20	29	35	30
Cumberland County	520	59	23	91	43	38	46	27	53	26	54	41	19
Essex County	2,554	232	116	321	171	267	354	206	331	128	176	156	96
Gloucester County	856	86	53	75	52	64	92	68	87	63	80	70	66
Hudson County	1,965	199	85	311	146	126	172	175	130	149	170	198	104
Hunterdon County	384	34	13	58	48	28	50	22	27	22	31	18	33
Mercer County	1,024	113	55	136	61	97	100	92	105	52	89	62	62
Middlesex County	2,486	217	141	327	147	253	292	187	161	196	209	216	140
Monmouth County	1,797	184	81	261	113	158	240	124	141	83	145	122	145
Morris County	1,431	126	105	211	78	138	176	91	107	72	115	118	94
Ocean County	1,538	132	89	198	90	144	166	118	132	115	138	128	88
Passaic County	1,450	158	64	174	120	125	190	120	89	113	95	104	98
Salem County	238	29	13	28	8	20	36	11	20	16	31	12	14
Somerset County	755	65	41	123	60	72	74	60	64	54	69	35	38
Sussex County	481	41	34	62	38	57	53	29	42	30	39	37	19
Union County	1,771	189	111	202	99	159	169	134	153	136	172	109	138
Warren County	351	31	16	45	25	31	33	22	35	32	33	29	19
NEW JERSEY	26,897	2,635	1,499	3,454	1,762	2,437	3,160	2,020	2,243	1,761	2,244	2,018	1,664

Note : Totals from New Jersey Superior Court

* Includes Annulments

Municipality Gross Summary 1988

TAB-F
MUNICIPALITY GROSS SUMMARY

CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Municipality Gross Summary 1988

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Municipality Gross Summary 1988

INTRODUCTION

Annually, the New Jersey Department of Health has produced County tables with individual Municipality summaries of marriages, births and deaths (infant, fetal, neonatal). These tables also include the latest population totals for each Municipality released by the New Jersey Department of Labor, Office of Demographic and Economic Analysis.

These special County-Municipality tables were originally produced to provide vital statistics information to local health officers and various programs within the Department of Health. Increased requests for these tables have been received from researchers and the public. Thus, this section presents the seven above-mentioned items in one table summarizing data for each of the 21 counties and 567 municipalities in New Jersey. Crude birth or mortality rates are not included; they are presented elsewhere in this report for the State and for each of the 21 counties.

NOTE: ¹ Infant Death refers to a death occurring to a live born individual of less than 1 year of age.

² Fetal Death is defined as death of a fetus 20 or more weeks old prior to the complete expulsion or extraction from its mother; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Note, induced terminations of pregnancy are included.

³ Neonatal Death refers to a live born infant who dies before completing four weeks (28 days of life).

NEW JERSEY

County	Population	Marriages	Births	Deaths	Infant ¹		Fetal ²		Neonatal ³	
					Deaths	Deaths	Deaths	Deaths	Deaths	Deaths
Atlantic	212,880	1,931	3,725	2,502	32	87	23			
Bergen	827,076	6,566	9,934	7,760	61	53	50			
Burlington	396,994	3,030	5,688	2,884	53	80	40			
Camden	500,553	3,477	8,507	4,414	99	116	72			
Cape May	95,889	847	1,388	1,235	11	22	6			
Cumberland	138,425	994	2,297	1,392	32	49	26			
Essex	838,455	7,013	13,800	8,561	214	146	138			
Gloucester	218,777	1,648	3,430	1,809	37	46	29			
Hudson	540,979	4,425	9,187	5,891	100	79	67			
Hunterdon	100,510	757	1,468	642	9	10	6			
Mercer	331,713	2,598	5,072	3,117	61	53	44			
Middlesex	653,218	5,026	9,824	5,264	85	71	55			
Monmouth	559,717	4,652	8,069	4,990	65	85	41			
Morris	420,607	3,539	5,688	3,057	38	34	28			
Ocean	412,974	2,598	5,943	5,501	51	51	39			
Passaic	463,408	3,900	7,995	4,594	79	78	43			
Salem	66,254	439	894	684	6	17	4			
Somerset	227,312	1,893	3,505	1,596	25	31	16			
Sussex	126,633	942	2,169	845	9	8	5			
Union	499,727	4,082	7,295	5,097	75	63	44			
Warren	88,976	629	1,479	824	6	10	5			
State Institutions		0	1	4	0	0	0			
Military		77	123	25	3	3	3			
TOTAL	7,721,077	61,063	117,481	72,688	1,151	1,192	784			

Note: Marriage data by place of occurrence, all other by place of residence. Population used in this table from the "Population Estimates for New Jersey" issued by the Division of Labor Market and Demographic Research, New Jersey Department of Labor, October, 1988. Population not available for State Institutions and Military Posts. County population totals may not add to total due to rounding.

ATLANTIC COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Absecon City	7,972	103	243	127	1	4	1
Atlantic City	35,014	402	917	752	14	27	8
Brigantine City	10,565	64	164	99	1	0	1
Buena Boro	3,741	51	52	52	0	1	0
Buena Vista Twp.	7,585	59	88	50	2	3	2
Corbin City	257	2	2	2	0	0	0
Egg Harbor City	4,676	60	124	52	0	3	0
Egg Harbor Twp.	23,485	147	296	124	0	6	0
Estell Manor City	1,128	5	19	8	0	0	0
Folsom Boro	1,925	6	17	19	0	0	0
Galloway Twp.	21,405	187	263	71	3	1	2
Hamilton Twp.	14,072	111	294	138	2	5	1
Hammonton Town	12,359	140	219	155	2	3	1
Linwood City	6,503	66	106	47	0	1	0
Longport Boro	1,196	15	7	39	0	0	0
Margate City	8,808	111	65	120	1	2	1
Mullica Twp.	5,392	27	38	39	0	0	0
Northfield City	7,667	69	94	74	0	3	0
Pleasantville City	14,738	144	366	214	4	23	4
Port Republic City	933	5	10	6	0	0	0
Somers Point City	10,565	88	182	136	0	3	0
Ventnor City	11,364	67	130	164	0	2	0
Weymouth Twp.	1,530	2	29	14	2	0	2
TOTAL	212,880	1,931	3,725	2,502	32	87	23

BERGEN COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Allendale Boro	5,980	29	66	46	0	0	0
Alpine Boro	1,694	21	22	4	0	0	0
Bergenfield Boro	24,677	155	334	233	3	4	3
Bogota Boro	7,781	101	100	46	0	0	0
Carlstadt Boro	5,988	18	79	64	0	0	0
Cliffside Park Boro	20,127	140	247	231	4	0	4
Closter Boro	7,951	66	80	78	1	1	1
Cresskill Boro	7,513	163	61	60	0	0	0
Demarest Boro	4,816	31	39	28	0	1	0
Dumont Boro	17,563	72	219	157	0	3	0
East Rutherford Boro	7,926	131	126	78	0	2	0
Edgewater Boro	4,743	116	78	40	1	0	0
Elmwood Park Boro	17,757	80	199	192	3	0	2
Emerson Boro	7,521	99	89	74	1	0	1
Englewood City	23,484	210	359	257	2	4	1
Englewood Cliffs Boro	5,688	22	34	38	0	0	0
Fair Lawn Boro	30,617	189	269	311	3	2	2
Fairview Boro	10,211	110	176	118	1	3	1
Fort Lee Boro	31,928	145	364	340	3	2	3
Franklin Lakes Boro	9,912	77	86	64	1	1	1
Garfield City	25,645	177	378	309	3	0	2
Glen Rock Boro	10,954	56	145	96	3	0	3
Hackensack City	36,160	379	526	393	5	1	5
Harrington Park Boro	4,545	33	49	24	0	0	0

BERGEN COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Hasbrouck Heights Boro	11,499	127	129	147	1	4	0
Haworth Boro	3,390	28	36	23	0	0	0
Hillsdale Boro	10,222	76	127	76	1	0	1
Hohokus Boro	3,970	77	53	32	0	0	0
Leonia Boro	8,000	82	79	87	1	0	0
Little Ferry Boro	9,843	58	157	80	1	0	1
Lodi Boro	22,669	137	333	265	2	2	1
Lyndhurst Twp.	19,657	157	210	236	1	3	1
Mahwah Twp.	16,278	104	194	84	0	1	0
Maywood Boro	9,631	61	112	112	2	0	2
Midland Park Boro	6,927	49	100	55	0	0	0
Montvale Boro	7,370	36	68	30	0	0	0
Moonachie Boro	2,740	19	40	35	1	0	1
New Milford Boro	15,935	67	189	163	0	2	0
North Arlington Boro	15,676	108	172	211	1	1	1
Northvale Boro	4,831	44	43	37	0	1	0
Norwood Boro	4,647	69	64	38	0	0	0
Oakland Boro	12,716	65	167	82	1	2	1
Old Tappan Boro	4,439	41	37	21	0	0	0
Oradell Boro	8,236	65	66	68	0	0	0
Palisades Park Boro	13,249	91	210	139	2	0	2
Paramus Boro	25,496	177	213	216	0	1	0
Park Ridge Boro	8,408	108	99	45	0	0	0
Ramsey Boro	13,224	109	166	72	1	0	1

1988

BERGEN COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Ridgefield Boro	9,665	237	149	100	3	0	2
Ridgefield Park Twp.	11,979	93	75	92	0	1	0
Ridgewood Village	24,247	107	258	184	3	0	3
River Edge Boro	10,379	73	134	112	0	0	0
River Vale Twp.	9,532	15	107	52	0	0	0
Rochelle Park Twp.	5,198	50	147	104	1	0	1
Rockleigh Boro	199	17	1	1	0	0	0
Rutherford Boro	18,092	168	213	193	1	3	1
Saddle Brook Twp.	13,726	88	150	134	0	1	0
Saddle River Boro	3,054	59	15	20	0	0	0
South Hackensack Twp.	2,188	11	29	19	0	0	0
Teaneck Twp.	37,816	188	509	358	2	3	1
Tensfly Boro	12,950	193	93	103	0	0	0
Teterboro Boro	22	0	0	0	0	0	0
Upper Saddle River Boro	7,711	101	70	41	0	0	0
Waldwick Boro	10,218	15	132	84	1	0	0
Wallington Boro	10,175	56	115	121	0	1	0
Washington Twp.	10,049	57	98	56	0	0	0
Westwood Boro	10,860	64	150	115	1	2	1
Wood-Ridge Boro	7,829	91	95	77	0	0	0
Woodcliff Lake Boro	5,488	125	64	35	0	0	0
Wyckoff Twp.	15,465	183	141	124	0	1	0
TOTAL	827,076	6,566	9,934	7,760	61	53	50

BURLINGTON COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Bass River Twp.	1,466	9	21	11	0	1	0
Beverly City	2,763	68	99	42	3	4	2
Bordentown City	4,330	44	67	53	1	0	1
Bordentown Twp.	7,741	23	116	64	0	1	0
Burlington City	10,266	153	143	133	1	6	1
Burlington Twp.	11,847	97	234	113	4	1	3
Chesterfield Twp.	4,728	19	30	14	2	0	1
Cinnaminson Twp.	15,511	154	131	129	7	2	5
Delanco Twp.	3,642	26	59	40	0	0	0
Delran Twp.	14,240	51	156	83	1	3	1
Eastampton Twp.	3,976	29	59	8	0	2	0
Edgewater Park Twp.	9,117	41	118	47	1	2	1
Evesham Twp.	31,807	140	623	140	2	3	2
Fieldsboro Boro	555	1	7	8	0	0	0
Florence Twp.	9,562	66	151	96	1	2	1
Hainesport Twp.	3,231	39	28	11	0	1	0
Lumberton Twp.	5,657	34	59	35	0	0	0
Mansfield Twp.	3,846	30	40	36	0	1	0
Maple Shade Twp.	19,538	154	289	197	2	2	2
Medford Lakes Boro	4,974	340	29	29	0	0	0
Medford Twp.	20,786	177	247	133	2	1	2
Moorestown Twp.	16,028	163	157	169	1	3	1
Mount Holly Twp.	10,774	156	334	194	5	6	3
Mount Laurel Twp.	30,826	110	357	172	4	2	4

BURLINGTON COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
New Hanover Twp.	15,591	102	221	4	0	0	0
North Hanover Twp.	9,187	32	143	13	0	0	0
Palmyra Boro	7,281	58	121	78	0	1	0
Pemberton Boro	1,178	11	77	21	0	2	0
Pemberton Twp.	30,998	165	454	229	4	11	2
Riverside Twp.	7,745	100	146	89	0	1	0
Riverton Boro	2,905	27	29	30	2	0	1
Shamong Twp.	5,350	15	69	21	1	0	1
Southampton Twp.	9,384	23	89	140	2	1	2
Springfield Twp.	2,891	31	28	11	0	0	0
Tabernacle Twp.	7,186	55	94	29	0	2	0
Washington Twp.	761	5	9	7	0	0	0
Westampton Twp.	5,439	19	94	11	2	0	1
Willingboro Twp.	38,570	242	522	207	5	18	3
Woodland Twp.	2,037	6	17	5	0	0	0
Wrightstown Boro	3,280	15	21	32	0	1	0
TOTAL	396,994	3,030	5,688	2,884	53	80	40

CAMDEN COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Audubon Boro	9,315	54	147	113	1	0	1
Audubon Park Boro	1,241	4	7	17	0	1	0
Barrington Boro	7,300	55	71	62	1	0	0
Bellmawr Boro	13,323	93	159	125	1	3	1
Berlin Boro	5,931	97	175	108	0	0	0
Berlin Twp.	5,721	23	69	10	0	1	0
Brooklawn Boro	2,079	16	28	26	0	0	0
Camden City	81,896	587	2,351	849	53	40	36
Cherry Hill Twp.	74,677	534	758	614	8	7	7
Chesilhurst Boro	1,657	6	11	12	0	0	0
Clementon Boro	5,874	49	178	75	2	1	2
Collingswood Boro	15,297	117	232	172	2	3	1
Gibbsboro Boro	2,635	32	21	17	0	0	0
Gloucester City	13,069	101	286	159	2	1	2
Gloucester Twp.	52,648	250	597	256	8	10	6
Haddon Heights Boro	8,117	113	96	108	1	5	0
Haddon Twp.	15,655	124	186	193	1	1	1
Haddonfield Boro	12,110	141	145	89	1	3	1
Hi-Nella Boro	1,180	0	23	5	2	0	1
Laurel Springs Boro	2,261	39	75	14	0	1	0
Lawnside Boro	3,053	29	39	37	0	1	0
Lindenwold Boro	18,426	108	363	104	3	7	3
Magnolia Boro	4,900	55	84	42	0	0	0
Merchantville Boro	3,859	151	66	35	1	2	1

1988

CAMDEN COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Mount Ephraim Boro	4,776	46	69	60	0	0	0
Oaklyn Boro	4,192	23	68	54	0	0	0
Pennsauken Twp.	34,373	200	531	382	3	10	3
Pine Hill Boro	9,127	40	157	74	0	1	0
Pine Valley Boro	24	0	0	0	0	0	0
Runnemede Boro	9,294	74	119	87	1	2	0
Somerdale Boro	5,835	50	92	64	1	5	0
Stratford Boro	7,821	31	123	67	0	1	0
Tavistock Boro	12	0	0	0	0	0	0
Voorhees Twp.	21,580	62	341	133	3	1	3
Waterford Twp.	10,560	60	216	82	0	4	0
Winslow Twp.	28,193	101	570	135	3	5	3
Woodlynne Boro	2,542	12	54	34	1	0	0
TOTAL	500,553	3,477	8,507	4,414	99	116	72

1988

CAPE MAY COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Avalon Boro	2,396	31	14	30	0	0	0
Cape May City	5,912	139	103	86	1	4	1
Cape May Point Boro	287	7	1	8	0	0	0
Dennis Twp.	5,093	25	70	49	0	0	0
Lower Twp.	20,495	102	267	228	1	4	0
Middle Twp.	14,113	103	243	207	3	1	1
North Wildwood City	4,945	29	59	71	0	1	0
Ocean City	15,562	153	201	233	4	7	3
Sea Isle City	2,955	33	28	38	0	0	0
Stone Harbor Boro	1,327	23	14	19	0	0	0
Upper Twp.	9,483	58	155	78	1	2	1
West Cape May Boro	1,260	6	14	21	0	0	0
West Wildwood Boro	360	5	2	4	0	0	0
Wildwood City	4,969	62	117	86	1	2	0
Wildwood Crest Boro	4,074	58	32	49	0	1	0
Woodbine Boro	2,658	13	68	28	0	0	0
TOTAL	95,889	847	1,388	1,235	11	22	6

1988

CUMBERLAND COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Bridgeton City	18,744	195	475	292	7	17	6
Commercial Twp.	5,174	30	72	36	0	0	0
Deerfield Twp.	2,831	19	45	13	0	1	0
Downe Twp.	2,003	7	22	26	0	2	0
Fairfield Twp.	5,966	31	88	26	0	0	0
Greenwich Twp.	970	6	8	8	0	0	0
Hopewell Twp.	4,413	18	36	24	1	1	1
Lawrence Twp.	2,400	11	32	19	0	0	0
Maurice River Twp.	6,398	32	47	37	1	2	1
Millville City	25,781	200	489	302	9	7	7
Shiloh Boro	583	5	7	4	0	0	0
Stow Creek Twp.	1,457	2	6	7	0	0	0
Upper Deerfield Twp.	6,965	37	81	58	1	3	0
Vineland City	54,740	401	889	540	13	16	11
TOTAL	138,425	994	2,297	1,392	32	49	26

1988

ESSEX COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Belleville Town	36,016	201	478	338	3	3	3
Bloomfield Town	47,314	343	604	526	4	4	2
Caldwell Boro	7,626	99	107	88	3	0	1
Cedar Grove Twp.	12,254	80	104	130	1	1	0
East Orange City	77,204	511	1,501	867	28	12	18
Essex Fells Boro	2,319	59	29	17	1	1	1
Fairfield Boro	8,360	59	66	50	1	0	1
Glen Ridge Boro	7,772	62	90	49	0	0	0
Irrington Town	61,503	413	1,188	600	16	9	12
Livingston Twp.	28,390	419	247	225	3	3	3
Maplewood Twp.	22,692	154	336	215	1	2	1
Millburn Twp.	19,420	242	204	165	1	0	1
Montclair Town	38,314	381	482	415	3	2	3
Newark City	313,639	2,291	6,325	3,278	125	83	77
North Caldwell Boro	6,877	48	57	39	0	1	0
Nutley Town	28,959	296	312	253	1	1	0
Orange City	31,323	305	670	380	11	14	6
Roseland Boro	5,498	43	45	41	0	1	0
South Orange Village	16,229	226	163	120	0	4	0
Verona Boro	14,196	225	157	134	1	0	1
West Caldwell Boro	11,420	22	121	107	3	1	2
West Orange Town	41,130	534	514	524	8	4	6
TOTAL	838,455	7,013	13,800	8,561	214	146	138

1988

GLOUCESTER COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Clayton Boro	5,879	52	94	54	3	0	3
Deptford Twp.	24,945	185	297	168	2	3	1
East Greenwich Twp.	4,841	20	52	34	0	0	0
Eik Twp.	3,550	17	48	15	0	0	0
Franklin Twp.	14,293	61	226	77	3	2	3
Glassboro Boro	15,129	100	232	132	1	6	1
Greenwich Twp.	5,314	41	50	43	2	1	2
Harrison Twp.	4,182	46	60	45	2	0	2
Logan Twp.	3,866	12	51	14	0	1	0
Mantua Twp.	10,299	97	251	129	2	6	2
Monroe Twp.	23,887	200	411	204	6	8	3
National Park Boro	3,467	45	50	46	0	2	0
Newfield Boro	1,569	22	78	27	0	1	0
Paulsboro Boro	6,591	47	93	80	0	2	0
Pitman Boro	9,448	79	131	121	2	2	1
South Harrison Twp.	1,831	2	12	8	0	0	0
Swedesboro Boro	2,037	30	86	42	1	0	1
Washington Twp.	37,393	174	521	130	2	3	2
Wenonah Boro	2,251	20	83	42	1	1	1
West Deptford Twp.	18,336	171	200	105	1	1	1
Westville Boro	4,507	34	111	73	3	3	2
Woodbury City	10,346	177	223	193	6	4	4
Woodbury Heights	3,484	13	57	20	0	0	0
Woolwich Twp.	1,330	3	13	7	0	0	0
TOTAL	218,777	1,648	3,430	1,809	37	46	29

1988

HUDSON COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Bayonne City	60,765	471	768	830	8	6	8
East Newark Boro	1,710	67	32	20	0	0	0
Guttenberg Town	7,070	50	138	89	0	0	0
Harrison Town	11,893	85	198	115	0	5	0
Hoboken City	41,831	209	474	338	3	2	1
Jersey City	217,380	1,671	4,303	2,502	59	41	38
Kearny Town	33,764	273	502	365	6	7	4
North Bergen Twp	45,766	349	698	537	4	7	3
Secaucus Town	15,311	120	171	177	1	2	0
Union City	53,469	507	1,089	455	13	6	10
Weehawken Twp.	12,619	154	185	105	1	2	0
West New York Town	39,401	469	629	358	5	1	3
TOTAL	540,979	4,425	9,187	5,891	100	79	67

1988

HUNTERDON COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Alexandria Twp.	3,270	11	39	10	0	0	0
Bethlehem Twp.	3,306	6	31	11	0	0	0
Bloomsbury Boro	777	21	17	8	0	0	0
Califon Boro	1,064	15	41	8	0	0	0
Clinton Town	1,921	24	53	24	1	0	1
Clinton Twp.	10,322	54	118	32	0	1	0
Delaware Twp.	3,904	41	39	13	0	0	0
East Amwell Twp.	3,822	18	56	17	1	0	1
Flemington Boro	4,151	60	97	70	1	1	1
Franklin Twp.	2,424	22	35	24	0	0	0
Frenchtown Boro	1,478	38	30	15	0	0	0
Glen Gardner Boro	1,626	11	45	16	0	1	0
Hampton Boro	1,686	32	33	20	0	0	0
High Bridge Boro	3,598	28	86	30	3	2	2
Holland Twp.	4,563	9	45	22	0	0	0
Kingwood Twp.	3,000	24	50	11	0	0	0
Lambertville City	3,791	52	62	48	1	1	0
Lebanon Boro	1,123	10	24	10	0	0	0
Lebanon Twp.	5,609	14	75	37	0	1	0
Milford Boro	1,379	20	21	29	0	0	0
Raritan Twp.	13,668	46	201	62	0	1	0
Readington Twp.	12,549	115	147	59	0	2	0
Stockton Boro	624	18	5	10	0	0	0
Tewksbury Twp.	4,495	26	56	27	2	0	1
Union Twp.	4,128	22	29	16	0	0	0
West Amwell Twp.	2,232	20	33	13	0	0	0
TOTAL	100,510	757	1,468	642	9	10	6

1988
MERCER COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
East Windsor Twp.	23,758	22	288	116	2	2	2
Ewing Twp.	35,985	169	410	348	5	4	1
Hamilton Twp.	87,740	759	1,126	793	7	12	4
Hightstown Boro	4,898	120	100	88	1	1	1
Hopewell Boro	2,055	6	30	4	0	0	0
Hopewell Twp.	11,493	91	121	68	4	0	2
Lawrence Twp.	25,938	130	285	194	1	3	1
Pennington Boro	2,381	53	39	24	0	1	0
Princeton Boro	12,265	354	140	125	0	2	0
Princeton Twp.	14,425	98	126	77	1	1	1
Trenton City	90,990	728	2,144	1,207	38	27	30
Washington Twp.	6,165	15	94	36	2	0	2
West Windsor Twp.	13,620	53	169	37	0	0	0
TOTAL	331,713	2,598	5,072	3,117	61	53	44

MIDDLESEX COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Carteret Boro	19,269	159	284	222	3	2	2
Cranbury Twp.	2,312	49	91	84	0	1	0
Dunellen Boro	6,192	64	102	59	1	0	0
East Brunswick Twp.	44,674	288	605	248	6	4	5
Edison Twp.	85,500	501	1,338	637	9	9	5
Helmetta Boro	1,273	4	17	9	0	0	0
Highland Park Boro	12,720	53	195	104	1	1	0
Jamesburg Boro	4,850	55	137	86	2	0	1
Metuchen Boro	12,858	172	197	152	1	0	0
Middlesex Boro	13,141	84	212	119	0	1	0
Milltown Boro	6,955	59	96	55	2	0	1
Monroe Twp.	21,665	55	111	181	1	2	0
New Brunswick City	39,459	917	699	328	15	13	10
North Brunswick Twp.	26,719	75	396	175	4	7	4
Old Bridge Twp.	56,908	384	630	346	6	9	3
Perth Amboy City	36,767	469	805	447	8	6	5
Piscataway Twp.	44,126	259	661	243	4	1	4
Plainsboro Twp.	13,236	67	261	33	2	0	2
Sayreville Boro	35,881	172	501	322	4	4	2
South Amboy City	7,639	116	224	124	4	0	3
South Brunswick Twp.	25,441	138	448	125	2	1	0
South Plainfield Boro	20,570	170	284	162	2	2	2
South River Boro	13,248	114	204	130	2	0	0
Spotswood Boro	8,579	72	135	89	1	4	1
Woodbridge Twp.	93,236	530	1,191	784	5	4	5
TOTAL	653,218	5,026	9,824	5,264	85	71	55

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Aberdeen Twp.	18,937	86	213	113	1	5	1
Allenhurst Boro	884	5	19	5	0	0	0
Allentown Boro	1,907	26	26	16	0	0	0
Asbury Park City	15,790	226	420	251	5	8	2
Atlantic Highlands Boro	5,011	84	131	53	0	1	0
Avon-by-the-Sea Boro	2,230	54	22	35	0	0	0
Belmar Boro	6,194	85	82	101	0	3	0
Bradley Beach Boro	4,768	61	90	48	0	0	0
Brielle Boro	4,561	73	42	43	0	0	0
Colts Neck Twp.	8,465	78	71	46	0	1	0
Deal Boro	1,790	26	24	19	1	0	1
Eatontown Boro	13,716	95	294	109	0	1	0
Englishtown Boro	1,243	20	65	62	0	2	0
Fair Haven Boro	5,536	40	76	42	0	0	0
Farmingdale Boro	1,392	22	47	11	0	0	0
Freehold Boro	10,522	178	198	98	1	0	1
Freehold Twp.	23,401	112	314	206	3	2	3
Hazlet Twp.	22,939	100	260	181	2	2	1
Highlands Boro	5,149	36	80	57	4	1	1
Holmdel Twp.	11,555	128	94	74	0	1	0
Howell Twp.	36,546	158	619	218	6	3	5
Interlaken Boro	959	2	9	13	0	0	0
Keansburg Boro	10,645	83	221	150	4	1	3
Keyport Boro	7,426	91	161	96	2	2	1
Little Silver Boro	5,662	15	75	55	0	1	0
Loch Arbour Village	341	0	4	1	0	0	0
Long Branch City	29,224	282	565	335	4	4	3
Manalapan Twp.	28,466	92	261	120	0	4	0

1988

MONMOUTH COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Manasquan Boro	5,316	101	116	60	2	0	0
Marlboro Twp.	28,286	95	325	103	0	3	0
Matawan Boro	8,566	164	246	116	1	3	0
Middletown Twp.	69,526	435	808	524	5	8	5
Millstone Twp.	4,962	17	46	36	1	1	0
Monmouth Beach Boro	3,686	39	35	27	0	2	0
Neptune City Boro	5,134	17	65	54	0	3	0
Neptune Twp.	29,289	177	424	398	7	1	4
Ocean Twp.	24,335	204	331	199	3	7	3
Oceanport Boro	6,381	21	78	35	0	0	0
Red Bank Boro	11,407	223	215	216	6	5	5
Roosevelt Boro	925	2	10	7	0	0	0
Rumson Boro	7,185	119	70	56	1	1	0
Sea Bright Boro	1,847	26	19	13	0	1	0
Sea Girt Boro	2,556	41	24	35	0	1	0
Shrewsbury Boro	3,098	111	37	17	0	0	0
Shrewsbury Twp.	1,148	5	27	18	0	0	0
South Belmar Boro	1,578	12	34	27	1	1	1
Spring Lake Boro	4,360	177	33	43	0	0	0
Spring Lake Heights Boro	5,434	29	34	78	0	0	0
Tinton Falls Boro	11,980	38	177	44	1	1	0
Union Beach Boro	6,435	83	107	54	1	3	0
Upper Freehold Twp.	3,091	34	47	19	0	0	0
Wall Twp.	20,084	145	202	190	3	2	1
West Long Branch Boro	7,849	79	76	63	0	0	0
TOTAL	559,717	4,652	8,069	4,990	65	85	41

1988

MORRIS COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Boonton Town	8,245	43	170	91	1	0	0
Boonton Twp.	3,390	59	25	16	0	1	0
Butler Boro	7,195	90	107	46	0	0	0
Chatham Boro	8,101	66	130	77	1	1	1
Chatham Twp.	9,323	42	70	59	1	0	1
Chester Boro	1,445	60	29	11	1	0	1
Chester Twp.	5,778	18	44	21	1	0	0
Denville Twp.	14,063	120	197	114	0	1	0
Dover Town	13,955	189	292	191	3	4	3
East Hanover Twp.	10,339	70	89	63	0	1	0
Florham Park Boro	10,266	77	88	74	1	0	1
Hanover Twp.	11,971	112	130	76	1	1	1
Harding Twp.	3,633	107	35	22	0	0	0
Jefferson Twp.	17,007	62	267	117	2	2	1
Kinnelon Boro	8,500	69	95	34	2	0	0
Lincoln Park Boro	11,337	93	177	107	0	0	0
Madison Boro	15,353	114	176	128	1	1	1
Mendham Boro	5,163	33	62	32	0	0	0
Mendham Twp.	4,566	18	41	35	0	0	0
Mine Hill Twp.	3,424	18	54	33	0	0	0
Montville Twp.	15,732	94	154	103	1	0	0
Morris Plains Boro	5,920	82	127	68	1	0	1
Morris Twp.	19,629	183	89	125	0	0	0
Morristown Town	16,517	382	371	247	6	4	4

1988

MORRIS COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Mount Arlington Boro	3,982	17	50	21	0	0	0
Mount Olive Twp.	19,115	116	425	103	1	5	0
Mountain Lakes Boro	4,114	89	37	18	0	0	0
Netcong Boro	3,384	50	69	21	0	0	0
Parsippany-Troy Hills Twp.	48,294	326	588	281	3	4	3
Passaic Twp.	7,706	56	102	53	1	0	1
Pequannock Twp.	13,233	140	185	133	1	1	1
Randolph Twp.	19,529	155	241	92	2	1	2
Riverdale Boro	2,446	5	31	22	0	1	0
Rockaway Boro	6,722	62	78	79	1	0	1
Rockaway Twp.	19,817	95	320	86	0	1	0
Roxbury Twp.	19,770	101	291	129	3	5	3
Victory Gardens Boro	1,119	6	4	4	0	0	0
Washington Twp.	15,010	64	158	80	1	0	0
Wharton Boro	5,514	56	90	45	2	0	2
TOTAL	420,607	3,539	5,688	3,057	38	34	28

1988

OCEAN COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Barnegat Twp.	11,401	44	194	102	1	0	1
Barnegat Light Boro	662	16	5	5	0	0	0
Bay Head Boro	1,307	60	10	17	0	0	0
Beach Haven Boro	1,765	44	12	31	0	0	0
Beachwood Boro	8,551	26	145	57	1	2	1
Berkeley Twp.	35,323	92	228	512	4	5	3
Brick Twp.	62,825	334	928	641	9	4	6
Dover Twp.	74,198	577	1,052	986	6	8	4
Eagleswood Twp.	1,121	16	29	17	0	1	0
Harvey Cedars Boro	386	9	3	7	0	0	0
Island Heights Boro	1,604	15	16	17	0	0	0
Jackson Twp.	31,669	109	514	244	4	3	3
Lacey Twp.	20,175	135	272	212	1	6	0
Lakehurst Boro	3,063	43	98	123	1	0	1
Lakewood Twp.	41,028	359	1,108	748	13	6	12
Lavallette Boro	2,220	39	29	47	0	1	0
Little Egg Harbor Twp.	12,533	40	172	104	1	2	1
Long Beach Twp.	3,783	60	27	44	0	0	0

1988
OCEAN COUNTY
(Continued)

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Manchester Twp.	35,004	57	131	805	3	3	3
Mantoloking Boro	441	6	5	18	0	0	0
Ocean Gate Boro	1,482	4	45	27	0	0	0
Ocean Twp.	4,291	48	89	73	0	0	0
Pine Beach Boro	1,771	5	19	22	1	0	0
Plumsted Twp.	5,360	44	79	44	0	1	0
Point Pleasant Beach Boro	5,541	53	38	38	0	0	0
Point Pleasant Boro	18,272	162	280	258	2	4	1
Seaside Heights Boro	2,188	14	54	29	2	0	1
Seaside Park Boro	1,800	29	25	35	0	0	0
Ship Bottom Boro	1,567	17	19	19	0	0	0
South Toms River Boro	3,851	9	55	26	0	0	0
Stafford Twp.	13,276	58	159	113	0	1	0
Surf City Boro	1,619	18	12	28	0	2	0
Tuckerton Boro	2,897	56	91	52	2	2	2
TOTAL	412,974	2,598	5,943	5,501	51	51	39

1988

PASSAIC COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Bloomington Boro	8,094	30	127	57	0	2	0
Clifton City	76,190	579	807	941	6	9	3
Haledon Boro	6,783	30	109	107	1	1	0
Hawthorne Boro	18,577	134	241	187	3	2	2
Little Falls Twp.	12,234	124	115	125	1	0	0
North Haledon Boro	8,463	69	78	81	0	0	0
Passaic City	53,257	499	1,322	543	16	15	8
Paterson City	138,791	1,266	3,423	1,422	44	38	25
Pompton Lakes Boro	11,372	168	137	103	0	0	0
Prospect Park Boro	5,078	47	89	51	0	1	0
Ringwood Boro	13,511	135	220	60	0	2	0
Totowa Boro	11,233	131	82	130	0	0	0
Wanaque Boro	10,602	67	155	89	1	2	0
Wayne Twp.	51,259	398	523	467	4	2	3
West Milford Twp.	26,149	153	432	130	2	1	2
West Paterson Boro	11,815	70	135	101	1	3	0
TOTAL	463,408	3,900	7,995	4,594	79	78	43

1988

SALEM COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Alloway Twp.	2,825	30	27	27	0	0	0
Carneys Point Twp.	8,616	44	111	89	0	2	0
Elmer Boro	1,557	28	54	35	0	2	0
Elsinboro Twp.	1,268	3	5	13	0	0	0
Lower Alloways Creek Twp.	1,609	8	10	13	0	0	0
Mannington Twp.	1,748	8	13	15	0	3	0
Oldmans Twp.	1,831	14	29	19	1	0	0
Penns Grove Boro	5,191	43	62	54	1	1	1
Pennsville Twp.	13,784	95	195	132	2	0	1
Pilesgrove Twp.	3,028	5	21	18	0	0	0
Pittsgrove Twp.	8,218	37	71	47	0	1	0
Quinton Twp.	3,007	26	19	24	0	1	0
Salem City	6,867	51	184	108	1	6	1
Upper Pittsgrove Twp.	3,353	12	34	27	1	0	1
Woodstown Boro	3,352	35	59	63	0	1	0
TOTAL	66,254	439	894	684	6	17	4

1988

SOMERSET COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Bedminster Twp.	6,432	53	95	25	2	0	1
Bernards Twp.	18,830	209	243	123	5	3	5
Bernardsville Boro	6,466	47	40	35	0	0	0
Bound Brook Boro	8,866	151	175	88	2	1	0
Branchburg Twp.	9,882	19	140	56	0	0	0
Bridgewater Twp.	30,247	225	378	173	2	1	0
Far Hills Boro	651	11	9	6	0	0	0
Franklin Twp.	39,560	240	756	218	4	11	4
Green Brook Twp.	4,574	11	48	39	0	1	0
Hillsborough Twp.	25,020	139	451	89	3	3	1
Manville Boro	10,452	78	123	101	1	0	0
Millstone Boro	498	22	3	6	0	0	0
Montgomery Twp.	9,202	30	119	56	0	4	0
North Plainfield Boro	17,113	121	302	151	2	2	1
Peapack-Gladstone Boro	2,065	53	28	17	1	0	1
Raritan Boro	5,790	74	72	53	1	0	1
Rocky Hill Boro	669	11	12	11	0	0	0
Somerville Boro	11,269	211	290	201	1	0	1
South Bound Brook Boro	3,949	28	60	38	0	4	0
Warren Twp.	10,552	97	116	67	1	1	1
Watchung Boro	5,225	63	45	43	0	0	0
TOTAL	227,312	1,693	3,505	1,596	25	31	16

1988

SUSSEX COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Andover Boro	855	10	16	9	0	0	0
Andover Twp.	5,087	71	88	87	0	1	0
Branchville Boro	850	17	23	23	1	0	1
Byram Twp.	7,974	75	112	23	0	0	0
Frankford Twp.	5,374	24	85	53	2	0	1
Franklin Boro	4,600	15	69	25	0	0	0
Fredon Twp.	2,508	11	35	15	0	0	0
Green Twp.	2,678	12	36	10	0	0	0
Hamburg Boro	2,212	17	74	25	1	0	1
Hampton Twp.	4,683	35	55	30	0	0	0
Hardyston Twp.	4,741	33	75	24	1	0	0
Hopatcong Boro	14,657	70	284	78	1	4	0
Lafayette Twp.	1,939	25	39	15	0	0	0
Montague Twp.	2,664	21	62	13	1	1	1
Newton Town	7,630	86	156	104	0	1	0
Ogdensburg Boro	2,617	9	42	22	0	0	0
Sandyston Twp.	1,571	6	15	12	0	0	0
Sparta Twp.	14,554	143	209	77	1	0	1
Stanhope Boro	3,627	40	91	30	0	0	0
Stillwater Twp.	4,214	23	58	17	0	0	0
Sussex Boro	2,418	46	97	42	1	0	0
Vernon Twp.	20,466	97	346	62	0	1	0
Walpack Twp.	99	1	1	1	0	0	0
Wantage Twp.	8,615	55	101	48	0	0	0
TOTAL	126,633	942	2,169	845	9	8	5

1988

UNION COUNTY

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Berkeley Heights Twp.	12,644	64	111	92	0	0	0
Clark Twp.	16,055	143	137	134	0	0	0
Cranford Twp.	23,664	140	289	205	2	2	2
Elizabeth City	105,102	964	2,106	1,116	29	22	14
Fanwood Boro	7,530	27	107	55	1	2	1
Garwood Boro	4,581	81	55	42	1	0	1
Hillside Twp.	21,301	152	292	228	3	2	2
Kenilworth Boro	7,987	63	81	88	0	2	0
Linden City	37,847	246	509	472	4	3	2
Mountainside Boro	6,949	65	57	67	0	0	0
New Providence Boro	12,065	90	139	86	0	0	0
Plainfield City	44,981	377	1,008	452	17	13	13
Rahway City	26,319	177	359	304	3	4	1
Roselle Boro	20,441	135	331	209	2	2	2
Roselle Park Boro	12,961	98	143	127	1	1	1
Scotch Plains Twp.	21,519	251	266	178	2	1	0
Springfield Twp.	14,100	85	135	171	2	0	1
Summit City	20,643	256	242	180	2	2	2
Union Twp.	51,342	378	534	608	2	5	1
Westfield Town	29,975	286	371	262	4	2	1
Winfield Twp.	1,721	4	23	21	0	0	0
TOTAL	499,727	4,082	7,295	5,097	75	63	44

Municipality	Population	Marriages	Births	Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths
Allamuchy Twp.	3,249	16	35	9	0	0	0
Alpha Boro	2,537	21	21	26	0	0	0
Belvidere Town	2,522	41	44	34	0	2	0
Blairstown Twp.	5,342	29	71	45	1	0	0
Franklin Twp.	2,472	16	33	24	0	1	0
Frelinghuysen Twp.	1,708	1	28	7	0	0	0
Greenwich Twp.	1,778	16	44	16	0	0	0
Hackettstown Twp.	9,022	83	176	116	0	1	0
Hardwick Twp.	1,127	3	18	5	0	0	0
Harmony Twp.	2,575	15	39	14	0	0	0
Hope Twp.	1,647	23	34	11	0	0	0
Independence Twp.	3,222	17	57	20	0	0	0
Knowlton Twp.	2,462	17	40	24	0	0	0
Liberty Twp.	2,074	7	30	5	0	0	0
Lopatcong Twp.	4,824	15	46	41	0	0	0
Mansfield Twp.	6,573	18	119	34	0	0	0
Oxford Twp.	1,707	13	36	24	1	0	1
Pahaquarry Twp.	22	3	0	1	0	0	0
Phillipsburg Town	15,718	129	306	223	2	4	2
Pohatcong Twp.	3,706	23	41	22	1	0	1
Washington Boro	6,713	58	62	8	0	0	0
Washington Twp.	4,855	52	150	98	1	2	1
White Twp.	3,121	13	49	17	0	0	0
TOTAL	88,976	629	1,479	824	6	10	5
STATE INSTITUTIONS	0	0	1	4	0	0	0
MILITARY POSTS	77	123	25	3	3	3	3
STATE TOTAL	7,721,077	61,063	117,481	72,688	1,151	1,192	784

Note: Population used in this table from the "Population Estimates for New Jersey" issued by the Division of Labor Market and Demographic Research, Department of Labor, October, 1988. Population not available for State Institutions and Military Posts. County Population totals may not add due to rounding.

Fertility 1988

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Fertility 1988

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Fertility

FERTILITY PATTERNS IN THE NATION AND NEW JERSEY

1988

THE NATION

In the U.S. the fertility rate, which expresses the number of live births to women aged 15-44 per 1,000 women in this childbearing age, increased about two percent between 1987 and 1988 (66.1 and 67.3 respectively). The 1986 rate was the lowest rate thus far recorded. Furthermore the U.S. fertility rate has remained essentially unchanged throughout most of the 70's and 80's. The total fertility rate, which is a weighted sum of the age-specific rates, was 1,871.0 for 1987. Thus, if 1,000 women experienced the age-specific birth rates for 1987 over their entire childbearing span, they would be expected to average 1.9 children per woman.

It is not certain whether the recent stability in birth expectations is transitional and will lead to a further decline in fertility, or whether it indicates a new demographic trend in the United States. If the latter proves to be the case, the pattern of American fertility in future years will follow that of many Western European nations and Japan, namely, small fluctuations in fertility around the level needed for the natural replacement of the population (approximately 2.1 children per woman).

From marriage data it is known that in recent years there has been an increasing tendency for women to delay their first marriage and first birth to later years. Of those women who first married between 1965 and 1969, 69 percent married by age 21; this proportion declined to 60 percent for women who first married during the 1976-80 period. The median age at first marriage has risen for both sexes since 1965; in 1981 the median ages were 22.0 years for females and 23.9 years for males. In addition, 56 percent of all first births between 1965 and 1969 occurred to women less than 22 years old; this percentage dropped to 47 percent between 1976 and 1980 for women having their first birth.

NEW JERSEY

Fertility patterns for New Jersey women of childbearing age have shown several changes in trend. The decade of the forties was the end of a long period of declining fertility. In the fifties fertility rates increased steadily reaching their highest levels. In 1960 we had 9.8% fewer women aged 20-24, for instance, than in 1950. However, the State had approximately 12,328 more births in this age group, a 45% increase in births. In the 1970s the fertility rate decreased from a 1970 high of 81.2 per 1,000 women to a level of 55.2 per 1,000 in 1976. The 1988 level indicates a fertility rate of 64.6 per 1,000 women.

The fertility rates over the past 30 years have changed most dramatically for women 20-24 years of age. From the 1950 level of 151.1 births per 1,000, the rate rose to 240.6 by 1960. This represents an increase of nearly 90 per thousand. During the decade of the sixties the decline was equally dramatic dropping from 240.6 per thousand to 154.8 in 1970. This placed the rate back almost to the 1950 level. The 1970 to 1980 period showed a low of 67.0 per thousand for this age group of 20 to 24 year olds. The 1988 rate is 80.4 per thousand, up from 78.5 in the previous two years, which was a decrease from 87.0 per thousand in 1980.

A review of all age groups shows that the change since 1960 is a reversal to lower fertility rates. The fertility rates by individual age groups ranged in 1960 from a rate of 34.8 for women 35 years and older to 58.3 for those under twenty. In 1980, the range was from 12.5 (35 years +) to 35.2 for those under 20. The rates for all ages are now below the 1970 rates, but in New Jersey the fertility rates for 1988 were slightly increased over 1987 for women aged 15-19 and 25-44.

New Jersey's uptrend in fertility rates corresponds with recent changes in national rates. U.S. fertility rates are up from 64.9 per 1,000 women in 1986 to 67.3 per 1,000 women in 1988. The corresponding fertility rates for New Jersey were 60.4 and 64.6 per 1,000 women, slightly lower than the national rates.

The age-specific fertility rates for younger women aged 20 to 24 in New Jersey have been generally declining over the period 1982 to 1988, while over that same time period the age-specific fertility rates for women aged 25 and over have been increasing. The crossover in these trends implies that childbearing is occurring later, possibly for socio-economic reasons.

With the use of age-specific fertility rates it is possible to calculate the "total fertility rate" (TFR) which summarizes the changes in fertility. The rate is computed by summing the age-specific rates for all childbearing ages and multiplying by the number of years in each age group used. In this case the age interval is five (5) representing five ages in each group. It can be interpreted as the number of children that would be born to a cohort of one-thousand women if, at all childbearing ages, they bore children at the age-specific rates observed in the reference year. Considering present death rates and a sex ratio at birth of 106 males per 100 females, it requires a little over 2,100 births per thousand females to

replace themselves as child bearers in the next generation. Thus, when the TFR exceeds 2,100, the next generation will have a larger childbearing population than the present one; when the TFR declines below 2,100, the next childbearing generation will be smaller than the present generation.

In 1950 the TFR for New Jersey was close to the replacement value of 2,100. By 1960 it had risen to 3,446. However, by 1970 a drop of 30% brought the level down to 2,408. The decline of the TFR during the sixties was greater than the rise in the fifties. The single year decline between 1970/71 and 1971/72 showed the most rapid decline of any year for which we have detailed data. The TFR appears to have "bottomed out" in the late 1970s, just as the number of births did in the early 1970s. In 1981 the 1,591 value was 24.2% below replacement fertility level. By 1988 however, the rate was again on the rise, reaching 1,863. Since the number of marriages in New Jersey has increased this year, perhaps the future TFR will also experience an increase.

TABLE-1
 UNITED STATES
 BIRTHS AND FERTILITY RATE*
 1960 - 1988

Year	-----Births-----		Fertility Rate Per 1,000 Women
	Number	Rate	
1960	4,257,850	23.7	118.0
1961	4,268,326	23.3	117.1
1962	4,167,362	22.4	112.0
1963	4,098,020	21.7	108.3
1964	4,027,490	21.1	104.7
1965	3,760,358	19.4	96.3
1966	3,606,274	18.4	90.8
1967	3,520,959	17.8	87.2
1968	3,501,564	17.6	85.2
1969	3,600,206	17.9	86.1
1970	3,731,386	18.4	87.9
1971	3,555,970	17.2	81.6
1972	3,258,411	15.6	73.1
1973	3,136,965	14.8	68.8
1974	3,159,958	14.8	67.8
1975	3,144,198	14.6	66.0
1976	3,167,788	14.6	65.0
1977	3,326,632	15.1	66.8
1978	3,333,279	15.0	65.5
1979	3,494,398	15.6	67.2
1980	3,612,258	15.9	68.4
1981	3,629,238	15.8	67.4
1982	3,680,537	15.9	67.3
1983	3,638,933	15.5	65.8
1984	3,669,141	15.5	65.4
1985	3,749,000	15.7	66.1
1986	3,731,000	15.5	64.9
1987	3,829,000	15.7	66.1
1988	3,913,000	15.9	67.3

*Source: Monthly Vital Statistics Report
 National Center for Health Statistics

TABLE-2
NEW JERSEY
BIRTHS AND FERTILITY RATE
1960 - 1988

Year	-----Births-----		Fertility Rate Per 1,000 Women
	Number	Rate	
1960	132,594	21.8	106.2
1961	135,320	21.7	N/A
1962	131,603	20.7	N/A
1963	132,606	20.4	N/A
1964	131,593	19.9	N/A
1965	125,104	18.6	N/A
1966	120,116	17.6	82.3
1967	116,091	16.8	79.6
1968	114,101	16.3	76.8
1969	117,232	16.5	N/A
1970	120,168	16.7	81.2
1971	111,376	15.3	74.0
1972	99,050	13.5	65.1
1973	94,024	12.8	61.6
1974	94,242	12.7	61.6
1975	91,457	12.4	56.6
1976	90,549	12.3	55.2
1977	93,786	12.7	58.9
1978	93,356	12.8	58.6
1979	95,672	13.0	60.2
1980	96,438	13.1	57.4
1981	96,205	13.1	56.8
1982	98,225	13.3	57.5
1983	98,746	13.3	56.7
1984	100,950	13.4	57.4
1985	105,329	13.9	59.2
1986	108,444	14.2	60.4
1987	113,234	14.8	62.5
1988	117,481	15.2	64.6

TABLE 3
NEW JERSEY
NUMBER OF BIRTHS BY AGE GROUP
1982 - 1988

Age Group	1982	1983	1984	1985	1986	1987	1988
15-19	11,063	10,607	10,018	9,949	9,922	10,115	10,238
20-24	26,217	25,388	24,991	25,024	24,447	24,295	24,723
25-29	32,554	33,417	34,416	36,017	37,200	38,430	38,997
30-34	21,286	21,618	23,129	25,061	26,737	29,387	31,087
35-39	6,008	6,581	7,129	8,041	8,794	9,406	10,622
40-44	805	814	944	923	1,041	1,204	1,396
TOTAL	97,933	98,425	100,627	105,015	108,141	112,837	117,063

TABLE 4
NEW JERSEY
FEMALE POPULATION BY AGE GROUP
1982 - 1988

Age Group	1982	1983	1984	1985	1986	1987	1988
15-19	332,786	299,403	293,952	290,686	284,934	279,005	272,853
20-24	316,083	314,560	313,090	312,901	311,321	309,541	307,449
25-29	298,221	313,221	315,888	317,025	320,144	323,052	325,572
30-34	296,400	304,188	308,691	313,535	318,112	322,477	326,436
35-39	252,072	275,914	281,813	289,256	294,975	300,497	305,620
40-44	208,662	229,954	239,872	250,735	260,574	270,231	279,469
TOTAL	1,704,224	1,737,240	1,753,306	1,774,138	1,790,060	1,804,803	1,817,399

TABLE 5
NEW JERSEY
TOTAL FERTILITY RATE BY AGE GROUP
1982 - 1988

Age Group	1982	1983	1984	1985	1986	1987	1988
15-19	33.2	35.4	34.1	34.2	34.8	36.3	37.5
20-24	82.9	80.7	79.8	80.0	78.5	78.5	80.4
25-29	109.2	106.7	109.0	113.6	116.2	119.0	119.8
30-34	71.8	71.1	74.9	79.9	84.0	91.1	95.2
35-39	23.8	23.9	25.3	27.8	29.8	31.3	34.8
40-44	3.9	3.5	3.9	3.7	4.0	4.5	5.0
TOTAL FER. RATE	1.624	1.607	1.635	1.696	1.737	1.804	1.863

Abortions 1988

**TAB-H
ABORTIONS**

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Abortions 1988

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CENTER FOR HEALTH STATISTICS
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Abortions 1988

INTRODUCTION

The Department of Health collects data on induced abortions performed in all licensed abortion facilities in the State. By law, abortions performed in hospitals and licensed outpatient abortion facilities must be reported to the Department within 10 days after the close of the month in which the procedure was performed. Forms are provided by the Department and are processed monthly. The form is designed to provide data which can serve as a basic resource for health services decisions relating to abortions, such as planning abortion services and providing family planning services. Data collected include information on the woman's age, marital status, municipality of residence, race, prior number of pregnancies, and prior live births. Clinical information is limited to gestation period at termination and method of termination. Patients' names are never reported to the Department; therefore confidentiality is maintained.

This report includes a narrative summary which presents clinical information and demographic characteristics of the women receiving abortions in 1988. The statistics presented in this report represent induced abortions occurring only in licensed New Jersey health care facilities.

Both hospitals and licensed outpatient abortion clinics in New Jersey are required by law to report non-confidential information on each abortion performed in the facilities, however, State law does not require reporting of induced abortions performed in physicians' offices. The lack of reporting on abortions performed at sites other than hospitals or licensed outpatient facilities may result in an understatement of the total number of abortions occurring in the State; the effect of the undercount is unknown. Additionally, data included in this report do not include abortions performed outside the State on New Jersey residents. For these reasons, caution should be exercised in interpreting the abortion data presented as complete either in terms of abortions occurring in New Jersey or abortions performed on State residents.

STATISTICAL OVERVIEW

General Characteristics

The number of reported induced abortions performed in New Jersey has risen steadily from 31,236 in 1984 to 35,987 in 1988. The increase from 1987 to 1988 was 7.8 percent. In 1988, women who obtained an induced abortion in New Jersey were predominantly state residents (96.5%). Forty-four percent of the women were White and 38.3 percent were Black. The average age among women receiving induced abortions in 1984 was 24.4 years compared to 24.3 years in 1987 and 1988. In 1988, most of the women were unmarried (77.3%), less than 25 years of age (58.2%), and had given birth to one or more live children (52.4%). The majority of abortions (81.6%) were performed during the first trimester by sharp or suction curettage. As in previous years, a licensed outpatient abortion clinic was the primary setting used in 1988 and accounted for over three-quarters (77.8%) of all abortions reported and 76.5 percent of the first trimester procedures.

Age

The abortion ratio per 1,000 selected population is defined as the number of women obtaining legal abortions divided by the number of women giving birth in the population in the same year with the same demographic characteristics (such as residence, age, race, marital status, or number of previous live births) times 1,000. The purpose of this ratio is to locate where in the life cycle, for example, with respect to either age or number of previous live births, women are more likely to receive an induced abortion.

Over one-third of the 1988 abortions were performed on women in the 20 through 24 year age group. Nearly one-fourth were performed on women aged 15 through 19, while slightly over one-fifth were performed on women aged 25 through 29. Women under 15 and over 44 years accounted for slightly more than 1% of the 35,987 reported abortions in 1988. However, the combined ratio of induced abortions to live births for these latter two age groups was notably higher than for age groups between the highest and lowest ages. The ratio of abortions to live births among the under-fifteen and over 44 year olds has fluctuated greatly, from 1,155 per 1,000 births in 1983 to 1,634 in 1985, dropping to 1,230 in 1987 before rising to 1,416 in 1988. The 25 through 29 and 30 through 34 year old age groups experienced the lowest abortion to live births ratios in 1988, 205 and 142, respectively. The 1988 abortions to births ratio for all New Jersey women was 310 per 1,000, a slight increase from 299 in 1987; another way to express this ratio is that there was one abortion for every 3.2 live births.

Race

Women having induced abortions in 1988 were self-reported as 43.5% White, 55.8% nonwhite and 0.7% unknown. These percentages for 1988 reflect a 0.7% absolute increase for the year in the percentages of Whites and a roughly equivalent decrease in the absolute percentage of nonwhites who obtained induced abortions. In 1980, 60.4% of women who obtained an induced abortion were White; by 1988 this percentage decreased to 43.5%. Induced abortions for black women increased from 26.2% of all induced abortions in 1980 to 38.3% of the total in 1988.

Induced abortion ratios have historically been lowest among white women, higher among black women, and highest among women of races other than white or black. The ratio of induced abortions to live births increased between 1983 and 1984 for both Whites and Blacks, then decreased each year from 1984 through 1987 among white women, while showing no clear pattern among black women. In 1988, the abortion ratio increased slightly among both Whites and Blacks, but decreased among women of other races. During the past six years, the induced abortion ratio for white women was at its highest level in 1984 when it was at 207 per 1,000 births. The ratio declined steadily until 1987, when it stood at 165, then increased to 177 per 1,000 births in 1988. The ratio among black women was at its highest level during the past six years in 1986, when it reached 631 induced abortions per 1,000 births. After decreasing to 606 in 1987, the ratio for black women increased slightly in 1988 to 618 per 1,000 births. The induced abortion ratio for women of races other than White or Black is based on smaller numbers, which can lead to greater fluctuation. During the six years, 1983 through 1988, the ratio was highest in 1987 when it was 2,430 per 1,000 births, then declined sharply to 1,697 induced abortions per 1,000 births in 1988.

Marital Status

Unmarried women had 77.3 percent of the total induced abortions in 1988. The two age categories which accounted for slightly over one-half of the total induced abortions performed for unmarried women were ages 15 through 19 (22.4%) and ages 20 through 24 (28.7%). Married women who received abortions exceeded the number of unmarried women in all age groups after age 34. There were 1,670 induced abortions among married women 35 and over and 1,207 induced abortions among unmarried women in this age group.

Prior Number of Live Births

Abortion data reported for 1988 indicated that nearly half (47.6%) of women had never given birth before the time of pregnancy termination. About one-quarter (25.4%) of the women indicated having one previous live birth, and 13.0 percent had two previous live births. Fewer than one in ten (9%) reported three or more live births.

The lowest induced abortions per 1,000 live births ratio (239 per 1,000) was found among women who had more than four previous live births. Women with three previous live births had the highest ratio of abortions to live births (397 per 1,000); women with one or more than four previous births had very similar, low ratios (244 per 1,000 and 239 per 1,000, respectively).

Place of Residence

The majority of women who elected to have an abortion in New Jersey were in-state residents (96.5%). Of the total abortions performed in the State, Essex was most often reported as the county of residence (25.7%), while Salem was least often recorded as the county of residence (0.1%). More than one-half of the abortions in 1988 were obtained by women who indicated either Essex (25.7%), Hudson (14.1%), Union (7.4%), or Bergen (7.1%) as the county of residence. Correspondingly, these areas rank as the four most heavily populated counties in New Jersey. In 1988 the number of abortions performed increased most among the residents of Union and Essex Counties; these counties had increases of 426 and 421 resident abortions, respectively, over the previous year's figures. The greatest

percentage increase in resident abortions was recorded for Hunterdon County, whose number of resident abortions increased from 159 in 1987 to 221 in 1988, an increase of 39.0 percent. Only three counties reported fewer resident abortions in 1988 than in 1987; these were Bergen (38 fewer), Warren (8 fewer), and Cumberland (3 fewer).

In the 1988 reporting period, out-of-state women who had abortions in New Jersey originated from twenty-three states, the District of Columbia, Puerto Rico, the Virgin Islands and two foreign countries. The border states of New York and Pennsylvania were most frequently represented in non-resident induced abortions. New York State residents accounted for 49.7 percent (573) of all non-resident abortions while Pennsylvania residents represented 43.0 percent (496).

Type of Procedure

The types of procedures most frequently reported were suction curettage (78.0%) and sharp curettage (20.5%). These two procedures accounted for nearly all (99.8%) reported first trimester abortions and 99 percent of the procedures performed between the 13th and 15th weeks of pregnancy. Saline instillations represented 1.2 percent of all reported induced abortion procedures. Abortion induced by saline instillation or administration of prostaglandin occurred primarily after the 15th week of gestation. Saline instillations accounted for 10.5% of all abortions performed during the late second trimester (more than 20 weeks gestation), and Prostaglandin administrations accounted for 5.4%. The use of suction curettage during the period between the 16th and 20th weeks of gestation increased sharply in 1988 over 1977. Suction curettage was used in 37.3 percent of the abortions occurring between 16 and 20 weeks, compared to just 17.8 percent in 1987, 41.4 percent in 1986, and 26.1 percent in 1985. Far more sharp/suction curettages have been performed than saline instillations for abortions in the 16th through 20th weeks of gestation since 1982.

Weeks of Gestation

Of the 35,987 reported induced abortions in 1988, 81.7 percent were completed during the first trimester of pregnancy, compared to a 1987 figure of 82.4 percent. Abortions performed during the 13th to 20th weeks remained constant from 1987 to 1988 at 17.5 percent. In 1988, two hundred and seventy seven women (0.8% of all reports) underwent a late second trimester abortion (over 20 weeks) compared to 0.2 percent in 1987.

The length of gestation at time of induced abortion was related to age of the woman. Fewer than two-thirds of the females under 15 who had induced abortions in 1988 had the abortions performed during the first twelve weeks of pregnancy (65.8%). The percentage of induced abortions within the first trimester increased consistently with age (with a minor exception in the case of women 40 through 44 years of age), until at ages 45 and over, 92.3 percent of abortions were performed in the first trimester. Between 1987 and 1988, the number of women receiving abortions after 20 weeks of gestation increased from 49 to 277. In 1988, females under 15 at the time of an abortion were more likely than any other age group to have an abortion at more than 20 weeks gestation (2.7%). In 2.0 percent of the induced abortions in women 40 through 44, the period of gestation was more than 20 weeks. In age groups other than under 15 and 40 through 44, the percentage of induced abortions performed at over 20 weeks of gestation was 1 percent or less.

Type of Facility

The 1988 data on induced abortions were collected from hospitals and licensed outpatient abortion facilities. In this decade, the percentage of abortions performed in hospitals reached a peak in 1981 and decreased, though unevenly, since then. In 1980, 32.6 percent of abortions were performed in a hospital setting, 38.1 percent in 1981, 36.0 percent in 1982, 37.9 percent in 1983, 34.0 percent in 1984, 34.2 percent in 1985, 28.2 percent in 1986, 25.1 percent in 1987 and 22.2 percent in 1988. Outpatient facilities accounted for 77.8 percent of the 35,987 reported abortions in 1988. Most of the 13 to 15 week pregnancy terminations were completed in a licensed outpatient facility (86.8%) along with 76.5 percent of all reported first trimester abortions. In 1987, 20.8 percent of abortions completed during the 16th to 20th week of gestation were reported by hospitals; in 1988 this percentage declined to 19.8. There were 49 reported abortions of over 20 weeks gestation in 1987 and all but one of these were performed in hospitals. In 1988 the figures changed dramatically; 277 abortions were performed after the 20th week of gestation and 82.7 percent were performed in clinics. Of all single women who had an abortion in 1988, over three-quarters (79.4%) went to clinics. Married women were more likely to use an outpatient facility in 1988 than in past years; 72.2% of married women had abortions performed in outpatient facilities in 1988, compared to 69.2% in 1987 and 67.3% in 1986.

Number of Previous Abortions

Information on abortions submitted for 1988 indicated that the majority of women (51.9%) had never previously undergone an induced pregnancy termination. Slightly over one-fourth (28.6%) of the women had obtained one previous abortion and 19.5% reported two or more past abortions. A comparison with the past two years shows a declining trend in first abortions (52.2% had first abortions in 1987, while 53.6 percent had a first abortion in 1986), indicating that more women may be having repeat induced abortions.

TABLE I
 CHARACTERISTICS OF WOMEN RECEIVING INDUCED ABORTIONS IN NEW JERSEY
 1988

	<u>ABORTIONS</u>	<u>PERCENT</u>
<u>TYPE OF PROCEDURE</u>		
SHARP CURETTAGE	7375	20.49
SUCTION CURETTAGE (D&C)	28062	77.98
HYSTERECTOMY	9	0.03
HYSTEROTOMY	3	0.01
SALINE INSTILLATION	421	1.17
PROSTAGLANDIN INSTILLATION	83	0.23
OTHER	27	0.08
UNKNOWN	7	0.02
<u>WEEKS OF GESTATION</u>		
< 9	18559	51.57
9-10	7652	21.26
11-12	3197	8.88
13-15	3321	9.23
16-20	2981	8.28
> 20	277	0.77
UNKNOWN	0	0.0
<u>TYPE OF FACILITY</u>		
HOSPITALS	7990	22.20
CLINICS	27997	77.80
<u>NUMBER OF PREVIOUS ABORTIONS</u>		
NONE	18692	51.94
ONE	10288	28.59
TWO	4389	12.20
THREE	1611	4.48
> THREE	1000	2.78
UNKNOWN	7	0.02
<u>TOTAL</u>	35987	100.00

TABLE 1 (Continued)
 CHARACTERISTICS OF WOMEN RECEIVING INDUCED ABORTIONS IN NEW JERSEY
 1988

	<u>ABORTIONS</u>	<u>PERCENT</u>	<u>RATIO*</u>
<u>RESIDENCE</u>			
NEW JERSEY	34719	96.48	310
OUT-OF-STATE	1154	3.21	433
UNKNOWN	114	0.32	0
<u>AGE</u>			
< 15	333	0.93	1423
15-19	8393	23.32	821
20-24	12199	33.90	496
25-29	7869	21.87	205
30-34	4259	11.83	142
35-39	2212	6.15	220
40-44	642	1.78	503
> 44	52	0.14	1368
UNKNOWN	28	0.08	595
<u>RACE</u>			
WHITE	15661	43.52	177
BLACK	13790	38.32	618
OTHER	6280	17.45	1697
UNKNOWN	256	0.71	591
<u>MARITAL STATUS</u>			
MARRIED	7884	21.91	91
UNMARRIED	27805	77.26	984
UNKNOWN	298	0.83	4730
<u>NUMBER OF LIVE BIRTHS</u>			
NONE	17125	47.59	336
ONE	9140	25.40	244
TWO	6472	17.98	375
THREE	2248	6.25	397
FOUR	691	1.92	371
> FOUR	306	0.85	239
UNKNOWN	5	0.01	22
TOTAL	35987	100.00	314

*PER 1,000 LIVE BIRTHS

TABLE 2
INDUCED ABORTIONS RECORDED IN NEW JERSEY BY COUNTY OF RESIDENCE, RACE, AND AGE
1988

COUNTY OF RESIDENCE	RACE			AGE										> 44 UNKNOWN
	TOTAL	WHITE	BLACK OTHER UNKNOWN	< 15	15-19	20-24	25-29	30-34	35-39	40-44	> 44	UNKNOWN		
ATLANTIC	1241	731	362	142	6	19	302	396	278	151	76	18	1	0
BERGEN	2566	1669	503	385	9	8	443	812	620	374	222	79	8	0
BURLINGTON	316	200	95	17	4	1	80	107	68	35	16	8	0	1
CAMDEN	738	281	384	71	2	8	172	283	162	70	35	7	1	0
CAPE MAY	417	352	44	19	2	5	101	148	91	41	24	7	0	0
CUMBERLAND	554	333	148	71	2	4	182	203	95	43	23	3	1	0
ESSEX	9256	1530	6400	1304	22	106	2178	3283	2012	1065	480	120	9	3
GLOUCESTER	241	176	47	17	1	4	73	82	43	22	14	3	0	0
HUDSON	5080	1764	1381	1931	4	44	1020	1692	1242	635	332	108	5	2
HUNTERDON	221	194	8	18	1	2	60	69	39	25	16	10	0	0
MERCER	1128	444	578	94	12	17	276	385	237	118	67	23	4	1
MIDDLESEX	2324	1430	439	393	62	11	551	773	497	301	145	37	2	7
MONMOUTH	2236	1486	578	145	27	27	684	741	415	195	141	29	3	1
MORRIS	912	696	105	105	6	0	187	247	205	141	101	29	2	0
OCEAN	820	671	74	56	19	10	252	244	153	92	55	11	1	2
PASSAIC	2450	718	968	751	13	26	558	895	546	267	120	32	5	1
SALEM	34	26	6	2	0	0	9	12	10	2	1	0	0	0
SOMERSET	1035	538	363	114	20	1	247	334	222	140	70	18	2	1
SUSSEX	294	266	12	15	1	1	96	93	47	31	18	8	0	0
UNION	2666	1117	1039	477	33	27	569	921	584	327	167	58	5	8
WARREN	190	172	11	7	0	2	42	59	42	28	11	5	1	0
OUT-OF-STATE	1152	825	192	127	8	8	287	389	230	144	64	27	2	1
FOREIGN	2	1	0	0	1	0	1	1	0	0	0	0	0	0
UNKNOWN	114	41	53	19	1	2	23	30	31	12	14	2	0	0
TOTAL	35987	15661	13790	6280	256	333	8393	12199	7869	4259	2212	642	52	28

TABLE 3
 INDUCED ABORTIONS RECORDED IN NEW JERSEY AND PERCENT DISTRIBUTION BY
 AGE, RACE, MARITAL STATUS, GESTATION AND TYPE OF FACILITY
 1988

	TOTAL	HOSPITAL		CLINIC	
		NUMBER	PERCENT	NUMBER	PERCENT
<u>AGE</u>					
< 15	333	98	1.23	235	0.84
15-19	8393	1409	17.63	6984	24.95
20-24	12199	2473	30.95	9726	34.74
25-29	7869	1824	22.83	6045	21.59
30-34	4259	1164	14.57	3095	11.05
35-39	2212	751	9.40	1461	5.22
40-44	642	244	3.05	398	1.42
> 44	52	21	0.26	31	0.11
UNKNOWN	28	6	0.08	22	0.08
<u>RACE</u>					
WHITE	15661	2517	31.50	13144	46.95
BLACK	13790	4294	53.74	9496	33.92
OTHER	6280	1124	14.07	5156	18.42
UNKNOWN	256	55	0.69	201	0.72
<u>MARITAL STATUS</u>					
MARRIED	7884	2188	27.38	5696	20.35
UNMARRIED	27805	5728	71.69	22077	78.85
UNKNOWN	298	74	0.93	224	0.80
<u>GESTATION</u>					
< 9	18559	4232	52.97	14327	51.17
9-10	7652	1799	22.52	5853	20.91
11-12	3197	883	11.05	2314	8.27
13-15	3321	438	5.48	2883	10.30
16-20	2981	590	7.38	2391	8.54
> 20	277	48	0.60	229	0.82
UNKNOWN	0	0	0.0	0	0.0
TOTAL	35987	7990	100.00	27997	100.00

TABLE 4
 INDUCED ABORTIONS RECORDED IN NEW JERSEY BY AGE, RACE,
 PRIMARY PROCEDURE, AND LENGTH OF GESTATION
 1988

AGE	TOTAL	WEEK OF GESTATION					UNKNOWN
		< 9	9-10	11-12	13-15	16-20	
< 15	333	108	65	46	49	56	9
15-19	8393	3608	1772	885	1030	1007	91
20-24	12199	6068	2733	1114	1192	1025	67
25-29	7869	4440	1591	639	620	526	53
30-34	4259	2528	878	314	278	234	27
35-39	2212	1374	464	145	111	101	17
40-44	642	386	134	44	35	30	13
> 44	52	8	4	2	2	2	0
UNKNOWN	28	11	7	6	4	0	0
RACE	TOTAL	< 9	9-10	11-12	13-15	16-20	> 20
WHITE	15661	8249	3432	1211	1327	1296	146
BLACK	13790	6421	2938	1501	1516	1310	104
OTHER	6280	3734	1222	462	465	370	27
UNKNOWN	256	155	60	23	13	5	0
PRIMARY PROCEDURE	TOTAL	< 9	9-10	11-12	13-15	16-20	> 20
SHARP CURETTAGE	7375	2626	1265	485	1380	1453	166
SUCTION CURETTAGE	28062	15901	6376	2699	1909	1112	65
HYSTERECTOMY	9	4	1	2	1	1	0
HYSTEROTOMY	3	0	0	0	1	2	0
SALINE INSTILLATI	421	16	10	8	23	335	29
PROSTAGLANDIN INS	83	0	0	2	4	62	15
OTHER	27	8	0	0	3	14	2
UNKNOWN	7	4	0	1	0	2	0
TOTAL	35987	18559	7652	3197	3321	2981	277

TABLE 5
 INDUCED ABORTIONS RECORDED IN NEW JERSEY AND PRECENT DISTRIBUTION
 BY RACE, MARITAL STATUS, AND AGE
 1988

	TOTAL	< 15 NO. %	15-19 NO. %	20-24 NO. %	25-29 NO. %	30-34 NO. %	35-39 NO. %	40-44 NO. %	> 44 NO. %	UNKNOWN NO. %
<u>RACE</u>										
WHITE	15661	66 0.18	3756 10.44	4948 13.75	3336 9.27	1946 5.41	1176 3.27	388 1.08	31 0.09	14 0.04
BLACK	13790	233 0.65	3495 9.71	5044 14.02	2962 8.23	1411 3.92	533 1.48	99 0.28	7 0.02	6 0.02
OTHER	6280	30 0.08	1107 3.08	2123 5.90	1508 4.19	863 2.40	478 1.33	152 0.42	14 0.04	5 0.01
UNKNOWN	256	4 0.01	35 0.10	84 0.23	63 0.18	39 0.11	25 0.07	3 0.01	0 0.0	3 0.01
<u>MARITAL STATUS</u>										
MARRIED	7884	0 0.0	262 0.73	1764 4.90	2309 6.42	1876 5.21	1239 3.44	394 1.09	37 0.10	3 0.01
UNMARRIED	27805	330 0.92	8077 22.44	10343 28.74	5491 15.26	2338 6.50	949 2.64	243 0.68	15 0.04	19 0.05
UNKNOWN	298	3 0.01	54 0.15	92 0.26	69 0.19	45 0.13	24 0.07	5 0.01	0 0.0	6 0.02
TOTAL	35987	333 0.93	8393 23.32	12199 33.90	7869 21.87	4259 11.83	2212 6.15	642 1.78	52 0.14	28 0.08

TABLE 6
 INDUCED ABORTIONS RECORDED IN NEW JERSEY BY AGE, RACE,
 MARITAL STATUS, AND PRIOR ABORTIONS
 1988

	<u>TOTAL</u>	<u>0</u>	<u>1</u>	<u>PRIOR ABORTIONS</u>			<u>> 3</u>	<u>UNKNOWN</u>
				<u>2</u>	<u>3</u>	<u>3</u>		
<u>AGE</u>								
< 15	333	308	23	1	1	0	0	0
15-19	8393	6058	1840	418	62	15	0	0
20-24	12199	5964	3855	1606	533	240	1	1
25-29	7869	3211	2488	1263	526	378	3	3
30-34	4259	1717	1255	709	324	253	1	1
35-39	2212	1056	639	298	138	80	1	1
40-44	642	328	169	86	25	34	0	0
> 44	52	37	9	6	0	0	0	0
UNKNOWN	28	13	10	2	2	0	0	1
<u>RACE</u>								
WHITE	15661	9016	4201	1574	543	324	3	3
BLACK	13790	6217	4267	2050	783	472	1	1
OTHER	6280	3316	1756	733	276	198	1	1
UNKNOWN	256	143	64	32	9	6	2	2
<u>MARITAL STATUS</u>								
MARRIED	7884	3813	2303	1079	420	267	2	2
UNMARRIED	27805	14714	7901	3280	1178	728	4	4
UNKNOWN	298	165	84	30	13	5	1	1
<u>TOTAL</u>	35987	18692	10288	4389	1611	1000	7	7

TABLE 7
 INDUCED ABORTIONS RECORDED IN NEW JERSEY BY PRIOR NUMBER OF INDUCED ABORTIONS
 AND PRIOR NUMBER OF LIVE BIRTHS
 1988

PRIOR ABORTIONS	TOTAL	NUMBER OF LIVE BIRTHS					UNKNOWN	
		0	1	2	3	4		
NONE	18692	10958	3965	2529	884	247	108	1
ONE	10288	4282	3018	2064	644	191	89	0
TWO	4389	1331	1346	1141	386	131	54	0
THREE	1611	368	531	422	194	71	25	0
> THREE	1000	185	279	315	139	51	30	1
UNKNOWN	7	1	1	1	1	0	0	3
TOTAL	35987	17125	9140	6472	2248	691	306	5

TABLE 8
 INDUCED ABORTIONS RECORDED IN NEW JERSEY BY PRIOR NUMBER OF LIVE BIRTHS,
 RACE AND MARITAL STATUS
 1988

PRIOR LIVE BIRTHS	WHITE			BLACK			OTHER			UNKNOWN							
	TOTAL	MAR	UNMAR	TOTAL	MAR	UNMAR	TOTAL	MAR	UNMAR	TOTAL	MAR	UNMAR					
	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN	UNKNWN					
NONE	17125	9881	825	8963	93	4809	258	4523	28	2305	410	1885	10	130	25	81	24
ONE	9140	2754	1042	1690	22	4630	558	4043	29	1708	685	1011	12	48	18	30	0
TWO	6472	2168	1291	860	17	2795	602	2169	24	1461	780	673	8	48	25	20	3
THREE	2248	633	400	229	4	1052	280	762	10	543	272	267	4	20	10	10	0
FOUR	691	169	102	65	2	331	94	236	1	183	85	97	1	8	4	3	1
> FOUR	306	54	31	23	0	172	51	117	4	79	35	44	0	1	1	0	0
UNKNWN	5	2	0	2	0	1	0	1	0	1	0	1	0	1	0	0	1
TOTAL	35987	15661	3691	11832	138	13790	1843	11851	96	6280	2267	3978	35	256	83	144	29

Communicable Diseases

1988

**CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH**

TAB-I
Communicable Diseases

Communicable Diseases

1988

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Communicable Diseases 1988

INTRODUCTION

Overview

The New Jersey Sanitary Code and the New Jersey Administrative Code 8:57 require that the State Department of Health be notified of cases of certain communicable diseases. The information on communicable diseases contained in this report was provided by the various units responsible for the collection and maintenance of the data within the Department of Health.

The Tuberculosis Program collects information on all tuberculosis cases occurring in New Jersey through monitoring and surveillance activities. Incidence data on syphilis and gonorrhea are collected by the Sexually Transmitted Diseases Program. AIDS cases are reported to the AIDS Surveillance Program within the Division of AIDS Prevention and Control. AIDS became a legally reportable disease on October 6, 1986 under State Regulation 8:57-1.14. Data on other communicable diseases are reported to the Communicable Diseases Program within the Division of Epidemiology and Disease Control. Requests for details and specific information regarding each disease should be addressed to the appropriate program.

COMMUNICABLE DISEASES

Statistical Overview

The population used for computing rates in this report is the estimated population residing in the state, its 21 counties and 567 municipalities as of July 1, 1988. These estimates were prepared by the Office of Demographic and Economic Analysis, Division of Planning and Research in the Department of Labor.

The age- and sex-specific rates for syphilis, gonorrhea and hepatitis presented in this report were computed by dividing the number of deaths in a disease category for a specific age and/or sex group by the State's estimated population of persons in the same age and/or sex group. The results are presented as rates per 100,000 estimated population for each age and sex group.

Tuberculosis

In 1964 there were 2,970 diagnosed cases of tuberculosis or 44.9 cases per 100,000 population. By 1980 newly diagnosed cases had dropped to 980 or 13.3 per 100,000 population. Since 1980 the incidence of tuberculosis has varied from 11.1 to 13.9 per 100,000 population. In 1988 1,045 cases were reported, with a corresponding rate of 13.5 per 100,000 population. The annual number of deaths attributed to tuberculosis has followed a similar pattern, dropping from 307 deaths in 1964 to 53 deaths in 1982. The mortality rate per 100,000 population dropped from the 1964 level of 4.6 to less than one death (0.7) per 100,000 in 1982. In 1988, 77 deaths were reported and the rate per 100,000 was 1.0.

In 1964, there were 1,738 clinically active and verified cases of tuberculosis in the New Jersey population. By 1985, clinically active, verified cases had dropped to 545. The number has increased since that time. There were 793 cases in 1988--a 6% increase from the previous year. From an active rate of 26.4 per 100,000 population in 1964, the rate of active cases dropped to 7.2 in 1985. The rate has increased steadily since 1985 to its present level of 10.3. Among the larger cities in New Jersey, tuberculosis morbidity rates were highest for Paterson (58.4), Newark (49.1), Atlantic City (34.3), and New Brunswick (32.9).

Fluctuation over the past few years has occurred in the case rate per 100,000 in the State and among the counties. From 1987 to 1988, increases occurred in twelve counties and decreases in nine counties. The most notable increases in the rate per 100,000 were recorded in Cape May (6.4 to 9.4), Passaic (15.3 to 23.3), and Sussex (1.6 to 6.3) Counties. Significant decreases occurred in Hunterdon County (6.1 to 1.0) and Salem County (4.6 to 1.5).

Venereal Diseases

During the past twenty years the incidence of primary and secondary syphilis among residents of New Jersey decreased markedly, then returned to previously high levels. In 1970 there were 891 new cases of syphilis and the rate per 100,000 residents was 12.4. By 1978, the number of cases had declined to 357 and the rate to 4.9 per 100,000. In 1988, there were 1,100 new cases of primary and secondary syphilis for a rate of 14.2 per 100,000. The number of cases diagnosed as early latent syphilis reflects a similar pattern. The rate in 1971 was 8.3. By 1978 it had dropped to 5.4, then it rose again to 8.2 in 1988. The 1988 total of 2,878 active cases of syphilis included 1,100 new primary and secondary cases and 632 new early latent cases.

In contrast to the pattern in syphilis incidence, the incidence of gonorrhea has declined in recent years. The number of new cases climbed from 8,410 cases in 1969 to a high of 22,998 cases in 1981. Since 1981 the number of cases has steadily decreased, along with the rates, to 16,423 in 1988. The current rate of 212.7 per 100,000, which is the lowest since 1974, is still nearly double the 1969 rate of 118.4.

The same municipalities tend to have high rates of both syphilis and gonorrhea. In 1988, Camden had the highest rate of syphilis cases, while Trenton had the highest gonorrhea case rate. Other high rate areas include Newark, Paterson and Plainfield. Lower rates are typical of Hunterdon, Warren and Sussex Counties.

Hepatitis

The number of reported cases of infectious hepatitis type A increased slightly (11.9%) in 1988. There were 320 cases with a rate of 4.1 per 100,000 persons in 1988, as compared to 286 cases and a rate of 3.7 in 1987. Serum hepatitis (B) cases declined by 12.0% in 1988 to 497, and the rate was 6.4. In 1987 the rate was 7.4 with 565 cases. Hepatitis cases are not distributed evenly among all age groups. In 1988, of the 320 infectious hepatitis cases, 100 cases were in the age group 20-29 years and 54 cases were aged 30-39 years. The highest incidence of serum hepatitis was reported among persons aged 20-29 (163 cases). The next highest incidence occurred among those aged 30-39 (133 cases). The corresponding incidence rates for the two age groups were 13.0 and 10.6, respectively. The year 1983 brought with it a change in the reporting of hepatitis. A new category, type non-A and non-B, was added. Since 1983 rates for non-A, non-B hepatitis have remained below 1.0 per 100,000. An increase to 0.9 occurred in 1987, followed by a decrease to 0.3 per 100,000 persons (21 cases) in 1988.

Other Notifiable Diseases

As required by law, the occurrence of certain contagious diseases must be reported to the Department of Health. These diseases include mumps, measles (rubeola), German measles (rubella), typhoid fever, malaria, aseptic meningitis, and a number of other communicable diseases.

The number of cases of measles (rubeola) increased sharply from 39 in 1987 to 405 in 1988. The number of cases of measles typically fluctuates widely from year to year. In 1976, for example, 690 cases were observed, while in 1974 there were 5,693 cases. The number of cases of rubella was 1,483 in 1976. In 1988 only 4 cases of rubella were reported. Salmonellosis cases (excluding typhoid fever) increased slightly in 1988; there were 2,391 cases reported versus 2,358 cases in 1987. There were 547 cases of shigellosis (bacillary dysentery) in 1987 and 332 cases in 1988. Most shigellosis cases occurred in the counties of Essex (54), Middlesex (51), and Camden (37).

The number of cases of mumps decreased to 57 in 1988 from 76 in 1987. The highest number of cases reported in 1988 occurred in Camden and Middlesex Counties, 8 and 7 cases, respectively. Among the other disease counts reported were: amebiasis, 115 cases, of which 78 cases were reported in state institutions; legionellosis, 40 cases; Lyme disease, 550 cases; malaria, 59 cases; meningococcal infections, 88 cases; pertussis, 32 cases; typhoid fever, 16 cases; toxic shock syndrome, 9 cases.

Acquired Immunodeficiency Syndrome (AIDS/HIV)

The era lauded for its control of major infectious diseases was interrupted decisively in 1981 by the identification of a new and deadly contagious illness, Acquired Immunodeficiency Syndrome (AIDS). In the late 1970s the first human retrovirus was isolated and labeled human T-lymphotropic virus type I (HTLV-I). By 1984, human retroviruses that are known to cause AIDS were isolated and labeled human immunodeficiency viruses, HIV-I and HIV-II. As research continues, still more of these kinds of viruses are being identified. The AIDS viruses appear to be transmitted through one or more of four routes: sexual contact, intravenous drug use with contaminated needles, the administration of blood and blood products, and the passage of the virus from infected mothers to their newborns. In New Jersey, a high proportion of AIDS cases are found among drug abusers who have shared needles presumably contaminated with infectious blood.

The first cases of AIDS were reported in Los Angeles in mid-1981 among five young homosexual men who were diagnosed originally with *Pneumocystis carinii* pneumonia, a disease now known to be commonly found in AIDS patients. Almost concurrently the first case of AIDS in New Jersey appeared in October, 1981. Subsequently, the number of cases in New Jersey and the United States has increased rapidly, producing considerable morbidity and mortality. Diagnoses of AIDS made retroactively continually increase its prevalence for the early years. Retroactive diagnosis produced a case of AIDS in New Jersey in July, 1980; that case was followed by two additional cases later in the year. At the present time AIDS is a uniformly fatal disease.

New Jersey's AIDS Surveillance and Data Analysis Programs within the AIDS Division compile data on AIDS cases in New Jersey. The program has adopted the surveillance case definition used by the Centers for Disease Control (CDC). If no

positive laboratory tests for HIV are reported, then one of 12 reliably diagnosed diseases must be present in a person who has not had any of the diseases besides HIV that may cause immunodeficiency. If a positive laboratory test exists for HIV, then one or more of a variety of indicator diseases, diagnosed either reliably or presumptively, must be present in a person. These two programs also tracked AIDS-Related Complex (ARC) cases through calendar year 1988. In New Jersey, ARC was defined as part of the reporting regulation (see NJAC 8:57-1.14-Reporting regulations for AIDS and ARC in New Jersey, effective 10/6/86), however, only AIDS cases and deaths are covered by this report.

Table A shows the most current data released by New Jersey's AIDS Data Analysis Unit on diagnosed cases and deaths from AIDS in New Jersey for 1987 and 1988. These data reveal the increasing rates for both cases and deaths that are occurring in New Jersey. The number of diagnosed cases for 1987 was approximately 40 percent higher than for the previous year (1986). However, for 1988 the percentage increase dropped sharply to 2%. The rate of death is high and persons with diagnosed cases do not survive long. Already 63.5 percent of all cases diagnosed in New Jersey have ended in death.

TABLE A
AIDS CASES AND DEATHS IN NEW JERSEY, 1987-1988

	Diagnosed	Deaths
1987	1,701	1,071
1988	1,735	1,155

Data in Table B have been reported by the Centers for Disease Control. This table shows the total number of active AIDS cases identified nationally and the eight highest ranking states. As of November 30, 1988, 27,975 active cases of AIDS had been reported to the CDC from 50 States and the District of Columbia. The largest number of cases were reported by New York, nearly one-quarter of all AIDS cases reported nationally. California had the second highest number of AIDS cases, and Florida had the third highest. New Jersey ranked fourth with 2,264 cases or 8.1% of the AIDS cases reported throughout the country. Texas had the fifth highest number.

TABLE B
ACTIVE AIDS CASES REPORTED TO CDC
BY STATE OF RESIDENCE - AS OF NOVEMBER 30, 1988

State of Residence	Number of Cases	Percent
New York	6,254	22.4
California	5,363	19.2
Florida	2,472	8.8
New Jersey	2,264	8.1
Texas	1,806	6.5
Illinois	925	3.2
Pennsylvania	771	2.8
Georgia	671	2.4
Remainder of U.S.	7,449	26.6
Total	27,975	100.0

Table 9 presents diagnosed AIDS cases and deaths in New Jersey by county of residence for both 1987 and 1988. The geographical distribution of cases is important for organizing health and social services and for identifying critical areas of exposure and contact. For both 1987 and 1988, AIDS cases were most prevalent in four (4) northeastern counties of the state: Hudson County with rates of 54.3 and 52.9 per 100,000 population for 1987 and 1988, respectively; Essex County with rates of 65.8 and 69.8; Passaic County whose rates were 30.0 and 24.6; and Union County with rates of 31.7 and 23.4 per 100,000 population. These four counties, which are among the most populous areas in the state, are where almost two-thirds of the State's AIDS cases reside. Death rates for AIDS were correspondingly the highest among these counties.

The distribution of AIDS cases by sex and race shown in Table 10 did not change substantially in 1988 from the 1987 figures. There has been an increase in the proportion of women with AIDS, as well as an increase in those who are Hispanic. Approximately three-quarters of the diagnosed cases of AIDS in New Jersey occur among men. The CDC reports that nationally 90% of AIDS cases are in men. More than one-half of all AIDS cases in New Jersey occur among Blacks, while nationally 29% of all cases are Black. Nationally, 55% of AIDS cases occur in Whites, while Whites in New Jersey constituted 33% of the AIDS cases diagnosed in 1988. In 1988, the highest percentage of New Jersey's AIDS cases appeared in Black males (38.3%).

Table 10 also shows AIDS deaths in New Jersey by both sex and race for 1987 and 1988. The distribution of AIDS deaths is similar to the distribution shown for diagnosed AIDS cases. From 1987 to 1988 the percentages of total AIDS deaths decreased among both White and Black men. There was a corresponding increase in the deaths of Hispanics from AIDS over the period. Approximately 80% of all AIDS deaths occurred among men in 1988. More Blacks died than Whites during both years. In fact, the highest percentages of AIDS deaths for all race and sex groups occurred among Black males for 1987 and for 1988 (40% and 38%, respectively). In 1987, 54.4% of the deaths occurred in Blacks, 34.1% in Whites, 11.1% in Hispanics and less than 1% in other racial groups. In 1988, 53% of all AIDS deaths were among Blacks, 33.3% among Whites, 13.4% among Hispanics, and 0.3% occurred among other racial groups. The CDC reported the mean age of AIDS patients diagnosed before 1984 as 36.3 years. Thus there will be a sizable decrease in life expectancy, or sizable "years of potential life lost", for those groups most affected by AIDS.

The figures for AIDS cases and deaths shown in these tables underestimate case morbidity and mortality. Other persons may be infected with the HIV viruses or may be experiencing the signs and symptoms of AIDS but have not been identified to the AIDS case surveillance unit. The long incubation period between infection with the retrovirus and diagnosis will lead to consistently underestimating the disease's prevalence among the population. Subsequent reviews of death certificates may reveal additional deaths due to AIDS that were not considered to be AIDS at the time of death.

Note that in 1987 new ICD-9 codes designating HIV as a cause of death were disseminated. Thus, 1988 represents the first full year for which deaths due to AIDS could be routinely tallied from death certificates. The results of this coding change are included in Section D, Mortality, within this report. The number of deaths in 1988 due to HIV ICD-9 codes were 1,212 in New Jersey, compared to the above tally by the AIDS Data Analysis Unit of 1,155. Due to the widespread interest in patterns and rates of HIV infections, this report will continue to include both counts of deaths due to AIDS.

TABLE-1

TUBERCULOSIS CASES AND DEATHS
NUMBERS AND RATES PER 100,000 ESTIMATED POPULATION
NEW JERSEY, 1964-1988

YEAR	ALL CASES		DEATHS	
	Number	Rate	Number	Rate
1964	2,970	44.9	307	4.6
1965	2,705	40.3	293	4.4
1966	2,567	37.6	297	4.4
1967	2,493	35.0	261	3.8
1968	2,271	32.4	255	3.6
1969	2,015	28.4	214	3.0
1970	2,013	28.0	245	3.4
1971	2,118	29.2	217	3.0
1972	1,162	23.1	166	2.3
1973	1,531	20.8	184	2.5
1974	1,474	19.9	161	2.2
1975	1,362	18.5	122	1.7
1976	1,317	17.9	112	1.5
1977	1,351	18.4	104	1.4
1978	1,105	15.1	104	1.4
1979	1,008	13.7	74	1.0
1980	980	13.3	65	0.9
1981	1,028	13.9	55	0.7
1982	884	11.9	53	0.7
1983	891	11.9	56	0.7
1984	935	12.4	70	0.9
1985	839	11.1	62	0.8
1986	948	12.4	78	1.0
1987	1,063	13.9	74	1.0
1988	1,045	13.5	77	1.0

TABLE-2

TUBERCULOSIS MORBIDITY AND MORTALITY BY COUNTY AND PLACE
 RATES PER 100,000 POPULATION
 NEW JERSEY, 1988

PLACE OF RESIDENCE	VERIFIED CASES		ALL CASES		DEATHS	
	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	793	10.3	1,045	13.5	77	1.0
ATLANTIC COUNTY	20	9.4	25	11.7	3	1.4
Atlantic City	12	34.3	17	48.6	2	5.7
BERGEN COUNTY	42	5.1	66	8.0	4	0.5
BURLINGTON COUNTY	19	4.8	20	5.0	2	0.5
CAMDEN COUNTY	37	7.4	45	9.0	3	0.6
Camden City	18	22.0	22	26.9	1	1.2
Cherry Hill Twp.	2	2.7	5	6.7	0	0.0
Gloucester Twp.	1	1.9	1	1.9	1	1.9
CAPE MAY COUNTY	9	9.4	10	10.4	1	1.0
CUMBERLAND COUNTY	7	5.1	8	5.8	1	0.7
Vineland City	4	7.3	5	9.1	1	1.8
ESSEX COUNTY	220	26.2	257	30.7	20	2.4
Bloomfield	3	6.3	4	8.5	0	0.0
East Orange	20	25.9	24	31.1	1	1.3
Irvington	13	21.1	27	43.9	1	1.6
Newark	154	49.1	167	53.2	12	3.8
GLOUCESTER COUNTY	5	2.3	6	2.7	1	0.5
HUDSON COUNTY	99	18.3	156	28.8	12	2.2
Bayonne	3	4.9	4	6.6	0	0.0
Hoboken	1	2.4	2	4.8	0	0.0
Jersey City	67	30.8	109	50.1	10	4.6
North Bergen Twp.	4	8.7	8	17.5	1	2.2
Union City	10	18.7	13	24.3	0	0.0
HUNTERDON COUNTY	1	1.0	1	1.0	0	0.0
MERCER COUNTY	24	7.2	26	7.8	6	1.8
Hamilton Twp.	0	0.0	1	1.1	0	0.0
Trenton	20	22.0	21	23.1	6	6.6
MIDDLESEX COUNTY	68	10.4	101	15.5	4	0.6
Edison Twp.	10	11.7	15	17.5	3	3.5
New Brunswick	13	32.9	18	45.6	0	0.0
Old Bridge Twp.	2	3.5	2	3.5	0	0.0
Piscataway Twp.	7	15.9	13	29.5	0	0.0
Woodbridge Twp.	8	8.6	12	12.9	0	0.0
MONMOUTH COUNTY	20	3.6	38	6.8	1	0.2
Middletown Twp.	3	4.3	3	4.3	0	0.0
MORRIS COUNTY	11	2.6	14	3.3	1	0.2
Parsippany-Troy Hills	5	10.4	6	12.4	1	2.1
OCEAN COUNTY	12	2.9	14	3.4	4	1.0
Brick Twp.	0	0.0	0	0.0	1	1.6
Dover Twp.	4	5.4	5	6.7	0	0.0
PASSAIC COUNTY	108	23.3	145	31.3	7	1.5
Clifton	4	5.3	5	6.6	0	0.0
Passaic City	15	28.2	24	45.1	1	1.9
Paterson	81	58.4	105	75.7	6	4.3
Wayne Twp.	3	5.9	3	5.9	0	0.0
SALEM COUNTY	1	1.5	1	1.5	0	0.0
SOMERSET COUNTY	5	2.2	7	3.1	0	0.0
SUSSEX COUNTY	8	6.3	10	7.9	1	0.8
UNION COUNTY	62	12.4	74	14.8	6	1.2
Elizabeth	29	27.6	34	32.3	2	1.9
Plainfield	4	8.9	6	13.3	1	2.2
Union Twp.	5	9.7	7	13.6	1	1.9
WARREN COUNTY	2	2.2	2	2.2	0	0.0
STATE INSTITUTIONS	12		18		0	
MILITARY POSTS	1		1		0	

Note: Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-3

RESIDENT CASES OF SYPHILIS, BY STAGE, AND GONORRHEA
NUMBER AND RATES PER 100,000 POPULATION
NEW JERSEY, 1969-1988

Year	Population Estimates	2		Syphilis		Early Latent		Gonorrhea	
		Total Cases Number	Rate	Primary and Secondary Number	Rate	Number	Rate	Number	Rate
1969	7,103,310	4,111	57.9	622	8.8	444	6.2	8,410	118.4
1970	7,192,805	5,078	70.6	891	12.4	568	7.9	9,751	135.6
1971	7,261,440	6,029	83.0	945	13.0	605	8.3	11,480	158.1
1972	7,322,685	2,636	36.0	942	12.9	608	8.3	16,658	227.5
1973	7,368,675	2,895	39.3	1,009	13.7	678	9.2	16,206	219.9
1974	7,397,190	2,634	35.6	836	11.3	622	8.4	15,294	206.8
1975	7,349,597	2,410	32.8	758	10.3	661	9.0	17,261	234.9
1976	7,358,096	2,180	29.6	556	7.6	587	8.0	17,708	240.7
1977	7,358,564	1,899	25.8	374	5.1	430	5.8	18,837	256.0
1978	7,315,533	1,804	24.7	357	4.9	395	5.4	20,221	276.4
1979	7,331,938	1,934	26.4	481	6.6	467	6.4	19,548	266.6
1980	7,365,011	2,314	31.4	449	6.1	392	5.3	21,018	285.4
1981	7,407,643	2,096	28.3	606	8.2	500	6.7	22,998	310.5
1982	7,430,000	1,930	26.0	663	8.9	520	7.0	22,665	305.2
1983	7,468,000	2,088	28.0	823	11.0	578	7.7	22,075	295.6
1984	7,517,000	2,006	26.7	678	9.0	572	7.6	20,351	270.7
1985	7,568,000	2,284	30.2	760	10.0	548	7.2	19,751	261.0
1986	7,625,000	1,993	26.1	672	8.8	551	7.2	19,612	257.2
1987	7,674,000	2,209	28.8	753	9.8	579	7.5	17,150	223.5
1988	7,721,000	2,878	37.3	1,100	14.2	632	8.2	16,423	212.7

- 1) The sharp decrease in new cases of syphilis in 1972 reflects improved tabulation of data eliminating cases previously recorded in New Jersey or other states.
2) Total Cases include Late and Late Latent and Congenital Syphilis.

TABLE-4

RESIDENT CASES OF SYPHILIS, BY STAGE, AND GONORRHEA
NUMBERS AND RATES PER 100,000 ESTIMATED POPULATION, BY COUNTY AND SELECTED PLACES
NEW JERSEY, 1988

SYPHILIS

PLACE OF RESIDENCE	TOTAL CASES *		PRIMARY AND SECONDARY		EARLY LATENT		LATE AND LATE LATENT		GONORRHEA	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	2,878	37.3	1,100	14.2	632	8.2	1,140	14.8	16,423	212.7
ATLANTIC COUNTY	110	51.7	19	8.9	23	10.8	66	31.0	559	262.6
Atlantic City	78	222.8	13	37.1	16	45.7	47	134.2	345	985.3
BERGEN COUNTY	103	12.5	42	5.1	18	2.2	42	5.1	304	36.8
BURLINGTON COUNTY	41	10.3	12	3.0	12	3.0	17	4.3	349	87.9
CAMDEN COUNTY	251	50.1	58	11.6	49	9.8	144	28.8	1,384	276.5
Camden City	196	239.3	44	53.7	34	41.5	118	144.1	1,160	1416.4
Cherry Hill Twp.	3	4.0	2	2.7	0	0.0	1	1.3	19	25.4
Gloucester Twp.	5	9.5	0	0.0	0	0.0	5	9.5	17	32.3
CAPE MAY COUNTY	3	3.1	0	0.0	0	0.0	3	3.1	47	49.0
CUMBERLAND COUNTY	66	47.7	21	15.2	21	15.2	23	16.6	595	429.8
Vineland City	24	43.8	8	14.6	9	16.4	7	12.8	195	356.2
ESSEX COUNTY	745	88.9	399	47.6	174	20.8	172	20.5	4,726	563.7
Bloomfield	6	12.7	4	8.5	0	0.0	2	4.2	12	25.4
East Orange	118	152.8	61	79.0	28	36.3	29	37.6	759	983.1
Irvington	60	97.6	29	47.2	18	29.3	13	21.1	432	702.4
Newark	521	166.1	289	92.1	119	37.9	113	36.0	3,180	1013.9
GLOUCESTER COUNTY	30	13.7	3	1.4	7	3.2	20	9.1	250	114.3
HUDSON COUNTY	350	64.7	97	17.9	71	13.1	182	33.6	1,250	231.1
Bayonne	10	16.5	3	4.9	2	3.3	5	8.2	36	59.2
Hoboken	8	19.1	2	4.8	0	0.0	6	14.3	22	52.6
Jersey City	229	105.3	79	36.3	55	25.3	95	43.7	1,074	494.1
North Bergen Twp.	21	45.9	2	4.4	4	8.7	15	32.8	17	37.1
Union City	48	89.8	5	9.4	9	16.8	34	63.6	71	132.8
HUNTERDON COUNTY	4	4.0	1	1.0	0	0.0	3	3.0	8	8.0
MER COUNTY	221	66.6	118	35.6	54	16.3	49	14.8	2,632	793.5
Hamilton Twp.	2	2.3	0	0.0	2	2.3	0	0.0	24	27.4
Trenton	210	230.8	116	127.5	51	56.1	43	47.3	2,529	2779.4
MIDDLESEX COUNTY	108	16.5	28	4.3	20	3.1	60	9.2	558	85.4
Edison Twp.	9	10.5	3	3.5	0	0.0	6	7.0	34	39.8
New Brunswick	29	73.5	11	27.9	2	5.1	16	40.5	304	770.4
Old Bridge Twp.	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Piscataway Twp.	10	22.7	1	2.3	1	2.3	8	18.1	55	124.6
Woodbridge Twp.	5	5.4	0	0.0	3	3.2	2	2.1	20	21.5
MONMOUTH COUNTY	185	33.1	63	11.3	38	6.8	83	14.8	442	79.0
Middletown Twp.	1	1.4	1	1.4	0	0.0	0	0.0	5	7.2
MORRIS COUNTY	21	5.0	7	1.7	2	0.5	12	2.9	118	28.1
Parsippany-Troy Hills	1	2.1	0	0.0	0	0.0	1	2.1	11	22.8
OCEAN COUNTY	25	6.1	4	1.0	3	0.7	18	4.4	147	35.6
Brick Twp.	2	3.2	0	0.0	0	0.0	2	3.2	2	3.2
Dover Twp.	3	4.0	1	1.3	0	0.0	2	2.7	18	24.3
PASSAIC COUNTY	329	71.0	132	28.5	84	18.1	112	24.2	1,374	296.5
Clifton	2	2.6	2	2.6	0	0.0	0	0.0	24	31.5
Passaic City	43	80.7	13	24.4	12	22.5	17	31.9	144	270.4
Paterson	269	193.8	113	81.4	68	49.0	88	63.4	1,175	846.6
Wayne Twp.	2	3.9	0	0.0	1	2.0	1	2.0	12	23.4
SALEM COUNTY	29	43.8	17	25.7	5	7.5	7	10.6	211	318.5
SOMERSET COUNTY	10	4.4	4	1.8	0	0.0	6	2.6	154	67.7
SUSSEX COUNTY	2	1.6	0	0.0	0	0.0	2	1.6	16	12.6
UNION COUNTY	200	40.0	67	13.4	43	8.6	90	18.0	1,190	238.1
Elizabeth	92	87.5	24	22.8	19	18.1	49	46.6	215	204.6
Plainfield	34	75.6	12	26.7	14	31.1	8	17.8	694	1542.9
Union Twp.	10	19.5	2	3.9	4	7.8	4	7.8	49	95.4
WARREN COUNTY	0	0.0	0	0.0	0	0.0	0	0.0	18	20.2
STATE INSTITUTIONS	30		1		3		26		8	
MILITARY POSTS	15		7		5		3		83	

* Total cases include 6 Congenital Syphilis Cases.

Rates not computed for State Institutions and Military Posts due to lack of population base.

TABLE-5

SYPHILIS, BY STAGE, AND GONORRHEA (EXCLUDING MILITARY) BY AGE AND SEX
 AGE- AND SEX- SPECIFIC RATES PER 100,000 POPULATION
 NEW JERSEY, 1988

SYPHILIS CASES

Sex and Age	TOTAL		PRIMARY AND SECONDARY		EARLY LATENT		LATE AND LATE LATENT		CONGENITAL		GONORRHEA	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	2,863	37.1	1,093	14.2	627	8.1	1,137	14.7	6	0.1	16,333	211.5
UNDER 5	7	1.3	1	0.2	0	0.0	1	0.2	5	0.9	20	3.8
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15	3.1
10-14	14	2.8	5	1.0	7	1.4	2	0.4	0	0.0	176	35.2
15-19	292	53.0	152	27.6	97	17.6	43	7.8	0	0.0	3,989	723.7
20-24	671	110.2	295	48.5	183	30.1	193	31.7	0	0.0	4,511	741.0
25-29	613	94.4	247	38.0	146	22.5	220	33.9	0	0.0	3,014	464.2
30-34	482	74.2	182	28.0	90	13.9	210	32.3	0	0.0	1,708	263.0
35-39	242	40.1	84	13.9	44	7.3	114	18.9	0	0.0	763	126.6
40-44	144	26.7	42	7.8	29	5.4	73	13.5	0	0.0	371	68.7
45-59	238	19.6	71	5.8	28	2.3	139	11.4	0	0.0	438	36.0
60 and over	134	9.3	14	1.0	2	0.1	117	8.1	1	0.1	91	6.3
Unstated	26		0		1		25		0		1,237	
Male	1,598	43.1	610	16.5	311	8.4	675	18.2	2	0.1	10,975	296.3
Female	1,265	31.5	483	12.0	316	7.9	462	11.5	4	0.1	5,358	133.5

Military cases are not included because of the lack of sex and age information.

TABLE-6

RESIDENT HEPATITIS CASES BY AGE
 NUMBERS AND RATES PER 100,000 ESTIMATED POPULATION.
 NEW JERSEY, 1988

AGE GROUP	INFECTIOUS (TYPE A)		SERUM (TYPE B)		TYPE NON-A, NON-B	
	Number	Rate	Number	Rate	Number	Rate
ALL AGES	320	4.1	497	6.4	21	0.3
Under 5	6	1.1	3	0.6	0	0.0
5-9	22	4.6	2	0.4	0	0.0
10-14	22	4.4	4	0.8	2	0.4
15-19	24	4.4	35	6.3	2	0.4
20-29	100	7.9	163	13.0	3	0.2
30-39	54	4.3	133	10.6	4	0.3
40-49	39	3.9	64	6.5	3	0.3
50-59	22	2.9	34	4.4	1	0.1
60+	22	1.6	41	2.9	5	0.4
Unknown	9		18		1	

NOTE: Unknown rates not included due to lack of population base.

TABLE-7

VACCINE-PREVENTABLE AND OTHER COMMUNICABLE DISEASES BY COUNTY OF RESIDENCE NEW JERSEY, 1988

DISEASES	STATE TOTAL	ATLANTIC COUNTY	BERGEN COUNTY	BURLINGTON COUNTY	CAMDEN COUNTY	CAPE MAY COUNTY	CUMBERLAND COUNTY	ESSEX COUNTY	GLoucester County	HUDSON COUNTY	HUNTERDON COUNTY	MERCER COUNTY	MIDDLESEX COUNTY	MONMOUTH COUNTY	MORRIS COUNTY	OCEAN COUNTY	PASSAIC COUNTY	SALEM COUNTY	SOMERSET COUNTY	SUSSEX COUNTY	UNION COUNTY	WARREN COUNTY	STATE INSTITUTIONS	MILITARY POSTS	UNKNOWN
Anthrax	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cholera	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis, Primary Infectious	30	1	3	1	3	0	1	4	3	2	0	0	4	3	0	2	1	0	1	1	0	0	0	0	0
Encephalitis, Post-Infectious	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Guillain-Barre Syndrome	25	0	2	1	2	0	0	1	2	1	1	1	2	1	3	3	2	1	1	0	0	1	0	0	0
Kawasaki Disease (MLNS)	17	0	1	0	1	0	0	2	2	0	0	2	2	2	2	0	1	0	0	0	1	1	0	0	0
Leprosy (Hansen's)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Malaria	59	0	11	0	5	0	0	16	3	0	0	0	14	0	4	1	3	0	2	0	0	0	0	0	0
Measles (Rubeola)	405	2	12	158	32	0	7	0	7	0	0	4	1	4	0	177	1	0	0	0	0	0	0	0	0
Mumps	57	1	4	3	8	1	6	4	2	4	3	1	7	2	3	1	2	0	2	0	3	0	0	0	0
Pertussis	32	6	3	5	5	0	0	0	0	0	0	0	4	0	2	2	0	1	0	4	0	0	0	0	0
Psittacosis	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Rubella (German Measles)	4	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tularemia	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Typhoid fever	16	0	2	0	1	0	0	3	0	4	0	0	0	0	0	0	1	0	2	0	3	0	0	0	0

NOTE: There were no cases of Brucellosis, Diphtheria, Rheumatic Fever, Tetanus, Trichinosis or Encephalitis (Post Mumps).

TABLE-8

NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE
NEW JERSEY, 1988

DISEASES	STATE TOTAL	ATLANTIC COUNTY	BERGEN COUNTY	BURLINGTON COUNTY	CAMDEN COUNTY	CAPE MAY COUNTY	CUMBERLAND COUNTY	ESSEX COUNTY	GLOUCESTER COUNTY	HUDSON COUNTY	HUNTERDON COUNTY	MERCER COUNTY	MIDDLESEX COUNTY	MONMOUTH COUNTY	MORRIS COUNTY	OCEAN COUNTY	PASSAIC COUNTY	SALEM COUNTY	SOMERSET COUNTY	SUSSEX COUNTY	UNION COUNTY	WARREN COUNTY	STATE INSTITUTIONS	MILITARY POSTS	UNKNOWN
Amebiasis	115	4	4	0	1	0	0	16	1	2	0	1	4	0	2	0	1	0	0	1	0	0	78	0	0
Botulism, infant	6	0	0	0	0	0	0	0	0	1	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	571	29	89	12	63	11	3	33	10	26	3	21	49	63	24	24	19	4	17	18	29	23	0	0	1
Giardiasis	639	14	47	25	52	9	12	37	21	13	19	21	76	63	38	31	39	2	17	39	38	9	17	0	0
Haemophilus influenzae	95	2	5	6	7	1	2	19	2	3	0	8	3	7	2	3	13	1	1	4	5	1	0	0	0
Hepatitis A	320	23	14	15	42	4	2	16	73	11	4	28	13	19	7	16	15	4	4	2	8	0	0	0	0
Hepatitis B	497	28	42	26	69	7	14	61	15	20	0	22	42	24	10	29	24	14	11	4	31	0	4	0	0
Hepatitis Non-A, Non-B	21	0	1	2	0	0	4	0	0	0	0	2	2	2	0	2	2	1	0	2	1	0	0	0	0
Legionellosis	40	0	4	0	0	0	4	0	3	0	3	0	2	15	3	1	0	3	0	1	0	3	1	0	0
Listeriosis	13	0	1	1	1	2	0	1	0	2	0	0	0	1	0	1	0	0	0	1	2	0	0	0	0
Lyme Disease	550	5	8	50	5	3	10	1	5	6	18	34	21	149	18	148	5	2	22	4	6	2	0	18	0
Meningococcus	88	0	12	2	9	2	0	7	2	7	1	6	9	12	0	4	5	0	0	4	5	1	0	0	0
Rocky Mountain Spotted Fever	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Salmonellosis	2391	90	192	105	213	46	53	286	55	155	28	97	296	202	89	108	127	11	57	24	112	31	10	1	3
Shigellosis	332	4	14	2	37	1	11	54	10	34	1	11	51	15	19	5	27	7	8	0	18	3	0	0	0
Toxic Shock Syndrome	9	0	2	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	1	0	0	1	0	0	0
Yersiniosis	76	3	0	1	11	1	0	9	0	3	0	6	5	10	6	5	4	0	4	0	8	0	0	0	0

TABLE-9

AIDS CASES AND DEATHS BY COUNTY OF RESIDENCE
 NUMBERS AND RATES PER 100,000 POPULATION
 NEW JERSEY, 1987-1988

COUNTY	DIAGNOSED CASES				DEATHS			
	1987	RATE	1988	RATE	1987	RATE	1988	RATE
Atlantic County	24	11.5	44	20.7	15	7.2	27	12.7
Bergen County	87	10.5	74	8.9	53	6.4	50	6.0
Burlington County	21	5.4	23	5.8	12	3.1	15	3.8
Camden County	32	6.4	34	6.8	29	5.8	27	5.4
Cape May County	2	2.1	7	7.3	1	1.1	3	3.1
Cumberland County	4	2.9	8	5.8	3	2.2	3	2.2
Essex County	555	65.8	585	69.8	348	41.3	350	41.7
Gloucester County	15	7.0	10	4.6	10	4.7	10	4.6
Hudson County	297	54.3	286	52.9	200	36.6	201	37.2
Hunterdon County	7	7.1	4	4.0	4	4.0	1	1.0
Mercer County	34	10.4	35	10.6	18	5.5	32	9.6
Middlesex County	84	13.0	107	16.4	56	8.7	70	10.7
Monmouth County	61	11.0	80	14.3	33	6.0	56	10.0
Morris County	42	10.0	43	10.2	23	5.5	23	5.5
Ocean County	26	6.5	32	7.7	25	6.2	20	4.8
Passaic County	139	30.0	114	24.6	83	17.9	115	24.8
Salem County	4	6.1	5	7.5	1	1.5	4	6.0
Somerset County	23	10.4	30	13.2	19	8.6	18	7.9
Sussex County	3	2.4	3	2.4	3	2.4	1	0.8
Union County	159	31.7	117	23.4	82	16.3	75	15.0
Warren County	2	2.3	1	1.1	2	2.3	2	2.2
Unknown	80		93		51		52	
Total	1,701	22.2	1,735	22.5	1,071	14.0	1,155	15.0

TABLE-10

DIAGNOSED AIDS CASES AND DEATHS BY SEX AND RACE
NEW JERSEY, 1987-1988

DIAGNOSED CASES

	1987			1988								
	MALE		TOTAL	MALE		TOTAL						
	NO.	% OF TOTAL	NO. TOTAL	NO.	% OF TOTAL	NO. TOTAL						
WHITE	483	28.4	572	483	27.8	84	4.8	567	32.7			
BLACK	667	39.2	924	651	38.3	273	15.7	924	53.3			
HISPANIC	166	9.8	34	193	11.3	44	2.5	237	13.7			
OTHER	4	0.2	1	7	0.4	0	0.0	7	0.4			
TOTAL	1,320	77.6	381	22.4	1,701	100.0	1334	76.9	401	23.1	1735	100.0

DEATHS

	1987			1988								
	MALE		TOTAL	MALE		TOTAL						
	NO.	% OF TOTAL	NO. TOTAL	NO.	% OF TOTAL	NO. TOTAL						
WHITE	313	29.2	52	4.9	330	28.6	55	4.8	385	33.3		
BLACK	432	40.3	151	14.1	443	38.4	169	14.6	612	53.0		
HISPANIC	101	9.4	18	1.7	133	11.5	22	1.9	155	13.4		
OTHER	3	0.3	1	0.1	3	0.3	0	0.0	3	0.3		
TOTAL	849	79.3	222	20.7	1071	100.0	909	78.7	246	21.3	1155	100.0

Accident Reports 1988

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TAB-J

Accident Reports

1988

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NEW JERSEY DEPARTMENT OF HEALTH

Accident Reports

1988

INTRODUCTION

Accidental death data for New Jersey have been collected and tabulated since 1968 through the use of the New Jersey mortality reporting system. Accidental deaths are tabulated monthly and submitted to the National Safety Council as part of the Council's nationwide reporting system. Data received from all the states are combined to prepare the National Safety Council's annual report, Accident Facts.

The following report includes data on all accidental deaths occurring in New Jersey, regardless of the victim's state of residence. Data on accidental deaths of New Jersey residents are included in Section D, Mortality, of New Jersey Health Statistics 1988. This report of accumulated deaths provides a review of accidents by five major types of accidents, using the National Safety Council's classification categories. It also includes another distribution of accidents by external cause, i.e., motor vehicles, falls, fires, drowning, etc. Historical statistics have been compiled covering the period from 1975 to 1988 and are presented by cause of death and age group. All tables are presented in aggregated form with individual identifiers removed.

STATISTICAL OVERVIEW

Total Accidental Deaths

An accidental death is one caused by an unintentional injury. The unintentional nature of the injury is what distinguishes accidental deaths from the major remaining violent causes of death - homicides and suicides. In additional categories are violent deaths resulting from operations of war and those undetermined as to whether accident, suicide or homicide.

Total accidental deaths occurring in New Jersey decreased to 2,477 in 1988 from the 1987 level of 2,518. This represents a decline of 1.6% over the year. Much of this decrease can be accounted for by 38 fewer accidental deaths in the home. Total accidental deaths at the national level increased in 1988 from the 1987 level of 94,500 to 96,000. This increase nationally represents a 2 percent rise in total accidental deaths. Motor vehicle deaths in the nation increased from 48,400 to 49,000.

New Jersey and National Accidental Death Rates

In 1988, the death rate for accidents occurring in New Jersey was 32.1 per 100,000 state residents, down 2.1% from 32.8 in 1987. This rate is 17.9% lower than the national rate of 39.1 per 100,000 population for the same time period. A population-specific death rate for all accidents occurring in the State cannot be computed because there is no known way to include the out-of-state population exposed to accidental death in New Jersey.

Motor Vehicle Accidental Deaths

Motor vehicle deaths include those deaths involving mechanically or electrically powered highway transport vehicles in motion (except those on rails) both on and off the highway or street. Fatalities occurring in the State as the result of motor vehicle accidents rose in 1988 by 1.9% from the 1987 level of 1,118 to 1,139. For the nation there was an increase of 1.0%. Of the 1,139 New Jersey motor vehicle deaths in 1988, 393 (34.5%) were the result of collisions with other motor vehicles; 245 (21.5%) were classified as pedestrian deaths; 185 (16.2%) deaths resulted from collisions with fixed objects; 90 (7.9%) were caused by noncollision accidents; 16 (1.4%) were listed as "injury to pedal cyclist" deaths; 2 (.2%) deaths were the result of collisions with railroad trains; and 208 (18.3%) were classified as other and unspecified deaths. In absolute terms, pedestrian deaths increased the most in 1988 over 1987, with an increase of 25 deaths. While drivers and passengers of motor vehicles represent the majority of the deaths that occurred in 1988, one out of every five motor vehicle accident victims was a pedestrian.

Accidental Deaths in the Home

Accidental deaths in the home are defined to include deaths in the home and on the premises to occupants, guests, and trespassers. Also included in this category are domestic servants, however other persons working on home premises are excluded. The year 1988 recorded 614 accidental deaths in the home. This is a decrease of 5.8% from the 1987 level of 652. The decline was primarily due to the decrease in accidental poisoning deaths from 227 in 1987 to 190 in 1988. The ranking of New Jersey accidental deaths in the home for 1988 is as follows: falls (31.8%), poisonings (31.0%), and fires (23.0%).

1988 ACCIDENTAL DEATHS IN THE HOME

Type	Number	Percent
Falls	195	31.8
Poisonings (gas excepted)	184	30.0
Fires	141	23.0
Drownings	29	4.7
Suffocation (ingested food or object)	17	2.8
Suffocation (mechanical)	9	1.5
Poisonings (by gases and vapors)	6	1.0
Firearms	1	0.1
Other and Unspecified	32	5.1
Total	614	100.0

Public Nonmotor Vehicle Deaths

Public accidents include deaths in public places or places used in a public way that do not involve motor vehicles. Most sports and recreational deaths are included in this category. Deaths in the course of employment are excluded. In 1988, there were 298 Public Nonmotor Vehicle deaths, an increase of 3.8% from the 1987 total. In New Jersey, falls topped the list of causes of Public Nonmotor Vehicle death with 58 (19.5%); in second place were drownings with 57 (19.1%); air transport deaths followed with 16 (5.3%); and in fourth place were railroad deaths with 15 (5.0%). Falls and drownings are the areas of greatest concern in this classification of accidental deaths for they account for over one-third (38.6%) of the total.

At Work

Work-related deaths are those which arise in the course of gainful employment regardless of where the accident occurs. Excluded from this category are work deaths to domestic servants and deaths occurring in connection with farm chores, both of which are classified as home deaths. Seventy accidental deaths occurred in New Jersey's work settings in 1988 compared to 73 reported in 1987; this was a decrease of 4.1%. Major death rankings by type of business in 1988 were: (1) Construction, 22 deaths (31.4%); (2) Agriculture, 3 deaths (4.3%), and (3) Manufacturing, 2 deaths (2.9%). A multiple other and unspecified category included 41 deaths (58.6%).

Accidental Deaths By Cause

Another perspective can be obtained on accidental deaths by combining types of deaths by cause, regardless of location of the accident.

Eliminating job-related accidents from the analysis, the classification of accidental deaths reported in Table 9 produced the following ranking from most to least frequent causes for 1988: (1) Motor Vehicles, (2) Falls, (3) Poisonings, (4) Fires, (5) Drownings, (6) Suffocations, (7) Air Transport, (8) Railroad-Not with Motor Vehicle, (9) Water Transport, and (10) Firearms.

Age at Accidental Death

An analysis of accidental causes of death by age for 1988 shows that 57.4% of the motor vehicle accident deaths occurred to persons between the ages of 15 and 44. On the other hand, 71.5% of the falls happened to persons 65 years of age and over. In 1988, 40.7% of the drownings occurred to individuals between the ages of 15 and 44 (down from 52% in 1987). About one-quarter (23.1%) of the deaths by suffocation were to children four years of age or less (up from 17.9% in 1987). Deaths by railroad -- not with motor vehicles -- indicate that 66.7% were in the 15-44 age group. Deaths caused by fires were fairly evenly distributed among all age groups. However, in relation to population percentages, children under 5 and adults aged 75 years and older suffered a disproportionately higher share of deaths.

The four age groups that had a higher total accidental death percentage in 1988 than in 1987 were: (a) 0-4 year olds, 3.3% vs. 3.1%; (b) 15-24 year olds, 18.2 vs. 17.7; (c) 65-74 year olds, 8.8% vs. 8.4%; and (d) 75 years and older, 16.9% vs. 16.6%.

TABLE-1

ACCIDENTAL DEATHS BY EXTERNAL CAUSE
NEW JERSEY OCCURRENCES
1987-1988

Cause of Accident	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Motor Vehicle	1,118	44.4	1,139	46.0	1.9
Falls	238	9.5	253	10.2	6.3
Poisonings	227	9.0	190	7.7	-16.3
Fires	148	5.9	146	5.9	-1.4
Drownings	86	3.4	86	3.5	0.0
Job Related*	73	2.9	70	2.8	-4.1
Suffocation	28	1.1	26	1.0	-7.1
Air Transport	15	0.6	16	0.6	6.7
Railroad - Not with Motor Vehicle	15	0.6	15	0.6	0.0
Water Transport	10	0.4	10	0.4	0.0
Firearms	3	0.1	1	0.0	-66.7
Other and Unspecified	169	6.7	169	6.8	0.0
Unknown and Late Effects	388	15.4	356	14.4	-8.2
Total	2,518	100.0	2,477	100.0	-1.6

* Job related accidental deaths are not distributed by external cause, but rather by type of business, in the reporting format requested by the National Safety Council. Therefore, the job related total cannot be disaggregated by cause of accident.

TABLE-2

ACCIDENTAL DEATH SUMMARY
NEW JERSEY OCCURRENCES
1987-1988

Classification of Accident	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Motor Vehicle	1,118	44.4	1,139	46.0	1.9
In the Home	652	25.9	614	24.8	-5.8
Public Nonmotor Vehicle	287	11.4	298	12.0	3.8
At Work	73	2.9	70	2.8	-4.1
Unknown and Late Effects	388	15.4	356	14.4	-8.2
Total	2,518	100.0	2,477	100.0	-1.6

TABLE-3

ACCIDENTAL DEATH SUMMARY, NEW JERSEY OCCURRENCES: 1975-1988

TYPE OF ACCIDENT		1975	1976	1977	1978
GRAND TOTAL		2,565	2,451	2,527	2,455
1	WORK PLACE TOTAL	65	79	67	78
2	Agriculture	1	1	3	1
3	Mining, Quarrying, Oil and Gas Wells	0	0	0	0
4	Construction	17	17	11	21
5	Manufacturing	19	16	21	22
6	Transportation and Public Utilities	8	9	8	3
7	Trade	2	8	3	5
8	Service	2	5	2	1
9	Government	5	3	1	3
10	Other and Unspecified Industry	11	20	18	22
11	HOME TOTAL	651	568	633	501
12	Poisonings (gas excepted)	70	66	67	49
13	Poisoning by Gases and Vapors	19	17	14	14
14	Falls	304	261	309	231
15	Fires	170	145	163	125
16	Drowning	13	12	15	17
17	Suffocation, Ingested Food or Object	24	29	17	14
18	Suffocation, Mechanical	11	2	12	14
19	Firearms	13	9	7	8
20	Other and Unspecified Home Accidents	27	27	29	29
21	MOTOR-VEHICLE TOTAL	1,108	1,050	1,112	1,156
22	Injury to Pedestrian	281	284	276	280
23	Injury to Pedal Cyclist	26	23	21	31
24	Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle	0	0	0	0
25	Collision with Railroad Train	7	1	7	5
26	Collision with Other Motor Vehicle	394	367	425	467
27	Collision with Fixed Object	115	37	37	24
28	Noncollision	267	322	330	334
29	Other and Unspecified Accidents	18	16	16	15
30	PERSON INJURED*				
31	Driver of motor vehicle other than motorcycle	502	412	462	497
32	Passenger in M.V. other than motorcycle	253	275	255	256
33	Motorcyclist	30	43	77	67
34	Passenger on motorcycle	7	5	6	12
35	PUBLIC NONMOTOR-VEHICLE TOTAL	417	407	356	350
36	Railroad-Not with Motor Vehicle	13	18	22	21
37	Other Road Vehicle-Not with Motor Vehicle	4	3	6	3
38	Water Transport	29	27	26	22
39	Air Transport	18	21	10	14
40	Falls	159	131	115	112
41	Fires	5	4	12	6
42	Drowning	113	92	82	101
43	Firearms	3	9	4	3
44	Other and Unspecified Public Accidents	73	102	79	68
45	Accident Type Unknown and Late Effects	324	347	359	370

*PERSON INJURED-figures have been included in MOTOR-VEHICLE TOTAL.

TABLE-3 (continued)

1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	
2,827	2,689	2,741	2,533	2,310	2,265	2,294	2,353	2,518	2,477	
94	53	84	50	74	66	71	69	73	70	1
7	1	2	1	4	1	1	3	3	3	2
0	0	0	0	2	0	2	0	0	0	3
17	23	18	14	15	9	21	18	14	22	4
15	7	17	8	4	5	5	5	3	2	5
12	3	9	2	2	6	6	2	1	0	6
1	1	0	1	0	1	3	1	0	0	7
1	1	11	12	2	11	2	1	2	1	8
12	5	3	7	4	3	3	3	1	1	9
29	12	24	5	41	30	28	36	49	41	10
592	559	590	577	508	532	538	473	652	614	11
42	42	76	60	51	76	120	121	211	184	12
22	7	20	24	10	13	17	13	16	6	13
248	238	239	240	226	210	171	135	181	195	14
179	172	168	156	117	127	149	117	143	141	15
20	19	19	14	24	25	26	33	27	29	16
22	29	13	17	20	16	16	14	19	17	17
14	11	9	8	12	18	5	9	9	9	18
5	7	9	14	9	15	3	2	3	1	19
40	34	37	44	39	32	31	29	43	32	20
1,319	1,280	1,313	1,177	1,037	984	1,017	1,121	1,118	1,139	21
344	322	306	313	262	255	265	272	220	245	22
29	22	29	15	21	35	14	36	27	16	23
0	0	0	0	0	0	0	0	0	0	24
4	5	11	3	2	1	3	3	1	2	25
475	457	513	445	352	340	365	383	404	393	26
46	53	46	41	23	22	89	158	197	185	27
375	372	374	326	344	273	220	115	78	90	28
46	49	34	34	33	58	61	154	191	208	29
										30
531	528	559	475	569	412	402	349	351	370	31
267	263	264	244	207	171	180	171	195	209	32
81	79	90	83	62	56	55	64	46	45	33
11	12	13	9	8	3	8	4	6	3	34
431	363	321	326	326	297	269	311	287	298	35
21	17	14	24	25	14	21	18	15	15	36
7	2	1	1	2	6	2	3	2	2	37
40	32	18	22	8	19	10	7	10	10	38
25	30	17	15	28	33	25	20	15	16	39
103	91	65	77	84	66	51	57	57	58	40
8	6	43	8	12	11	3	13	5	5	41
121	112	96	85	97	64	76	67	59	57	42
4	7	4	5	5	3	2	1	0	0	43
102	66	63	89	65	81	79	125	124	135	44
391	434	433	403	365	386	399	379	388	356	45

TABLE-4

DEATHS FROM MOTOR VEHICLE ACCIDENTS
NEW JERSEY OCCURRENCES
1987-1988

Type of Accident	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Collision with other Motor Vehicle	404	36.1	393	34.5	-2.7
Injury to Pedestrian	220	19.7	245	21.5	11.4
Collision with Fixed Object	197	17.6	185	16.2	-6.1
Noncollision	78	7.0	90	7.9	15.4
Injury to Pedal Cyclist	27	2.4	16	1.4	-40.7
Collision with Railroad Train	1	0.1	2	0.2	100.0
Other and Unspecified	191	17.1	208	18.3	8.9
Total	1,118	100.0	1,139	100.0	1.9

TABLE-5

ACCIDENTAL DEATHS IN THE HOME
NEW JERSEY OCCURRENCES
1987-1988

Type of Accident	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Falls	181	27.8	195	31.8	7.7
Poisonings (Gas excepted)	211	32.4	184	30.0	-12.8
Fires	143	21.9	141	23.0	-1.4
Drowning	27	4.1	29	4.7	7.4
Suffocation, ingested food or object	19	2.9	17	2.8	-10.5
Suffocation, mechanical	9	1.4	9	1.5	0.0
Poisoning by gas and vapors	16	2.5	6	1.0	-62.5
Firearms	3	0.5	1	0.2	-66.7
Other and Unspecified	43	6.6	32	5.2	-25.6
Total	652	100.0	614	100.0	-5.8

TABLE-6

DEATHS FROM PUBLIC NONMOTOR VEHICLE ACCIDENTS
NEW JERSEY OCCURRENCES
1987-1988

Type of Accident	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Falls	57	19.9	58	19.5	1.8
Drowning	59	20.6	57	19.1	-3.4
Air Transport	15	5.2	16	5.4	6.7
Railroad - not with Motor Vehicle	15	5.2	15	5.0	0.0
Water Transport	10	3.5	10	3.4	0.0
Fires	5	1.7	5	1.7	0.0
Other Road Vehicle - not with Motor Vehicle	2	0.7	2	0.7	0.0
Firearms	0	0.0	0	0.0	N/A
Other and Unspecified	124	43.2	135	45.3	8.9
Total	287	100.0	298	100.0	3.8

TABLE-7

ACCIDENTAL DEATHS AT WORK
NEW JERSEY OCCURRENCES
1987-1988

Type of Business	1987		1988		Percent Change 1987-1988
	Number	Percent	Number	Percent	
Construction	14	19.2	22	31.4	57.1
Manufacturing	3	4.1	2	2.9	-33.3
Agriculture	3	4.1	3	4.3	0.0
Service	2	2.7	1	1.4	-50.0
Government	1	1.4	1	1.4	0.0
Transportation and Public Utilities	1	1.4	0	0.0	-100.0
Trade	0	0.0	0	0.0	N/A
Mining, Quarrying, Oil and Gas Wells	0	0.0	0	0.0	N/A
Other and Unspecified	49	67.1	41	58.6	-16.3
Total	73	100.0	70	100.0	-4.1

TABLE-8

ACCIDENTAL DEATHS BY EXTERNAL CAUSE AND AGE
NEW JERSEY OCCURRENCES: 1987

Cause of Accident	Total	AGE GROUP							
		0-4	5-14	15-24	25-44	45-64	65-74	75+	Unknown
Total	2,518 100.0	77 3.1	96 3.8	446 17.7	865 34.4	403 16.0	211 8.4	417 16.6	3 0.1
Motor Vehicle	1,118 100.0	18 1.6	50 4.5	316 28.3	360 32.2	193 17.3	85 7.6	95 8.5	1 0.1
Falls	238 100.0	4 1.7		7 2.9	28 11.8	34 14.3	47 19.7	118 49.6	
Poisonings	227 100.0	4 1.8	2 0.9	22 9.7	174 76.7	21 9.3	1 0.4	3 1.3	
Fires	148 100.0	24 16.2	13 8.8	11 7.4	19 12.8	27 18.2	23 15.5	31 20.9	
Drownings	86 100.0	8 9.3	13 15.1	17 19.8	28 32.6	10 11.6	6 7.0	4 4.7	
Job Related*	73 100.0			12 16.4	35 47.9	24 32.9	2 2.7		
Suffocation	28 100.0	5 17.9	4 14.3	1 3.6	3 10.7	7 25.0	4 14.3	4 14.3	
Air Transport	15 100.0		2 13.3	2 13.3	4 26.7	6 40.0	1 6.7		
Railroad - Not with Motor Vehicle	15 100.0			5 33.3	9 60.0		1 6.7		
Water Transport	10 100.0			3 30.0	4 40.0	2 20.0		1 10.0	
Firearms	3 100.0			1 33.3	2 66.7				
Other and Unspecified Home Accidents	43 100.0	2 4.7	1 2.3	1 2.3	11 25.6	10 23.3	6 14.0	12 27.9	
Other and Unspecified Public Accidents	126 100.0	4 3.2	6 4.8	14 11.1	43 34.1	29 23.0	11 8.7	18 14.3	1 0.8
Accidents Type Unknown and Late Effects	388 100.0	8 2.1	5 1.3	34 8.8	145 37.4	40 10.3	24 6.2	131 33.8	1 0.3

* Job related accidental deaths are not distributed by external cause, but rather by type of business, in the reporting format requested by the National Safety Council. Therefore, the job related total cannot be disaggregated by cause of accident.

TABLE-9

ACCIDENTAL DEATHS BY EXTERNAL CAUSE AND AGE
NEW JERSEY OCCURRENCES: 1988

Cause of Accident	Total	AGE GROUP							
		0-4	5-14	15-24	25-44	45-64	65-74	75+	Unknown
Total	2,477 100.0	82 3.3	95 3.8	452 18.2	819 33.1	392 15.8	217 8.8	419 16.9	1 0.04
Motor Vehicle	1,139 100.0	15 1.3	43 3.8	333 29.2	321 28.2	202 17.7	90 7.9	134 11.8	1 0.1
Falls	253 100.0	5 2.0	3 1.2	7 2.8	20 7.9	37 14.6	39 15.4	142 56.1	
Poisonings	190 100.0	1 0.5	1 0.5	25 13.2	134 70.5	24 12.6	2 1.1	3 1.6	
Fires	146 100.0	27 18.5	23 15.8	14 9.6	26 17.8	20 13.7	18 12.3	18 12.3	
Drownings	86 100.0	16 18.6	11 12.8	12 14.0	23 26.7	13 15.1	6 7.0	5 5.8	
Job Related*	70 100.0			4 5.7	32 45.7	28 40.0	4 5.7	2 2.9	
Suffocation	26 100.0	6 23.1	1 3.8	2 7.7	5 19.2	5 19.2	2 7.7	5 19.2	
Air Transport	16 100.0			1 6.3	9 56.3	3 18.8	3 18.8		
Railroad - Not with Motor Vehicle	15 100.0			3 20.0	7 46.7	2 13.3		3 20.0	
Water Transport	10 100.0		1 10.0	2 20.0	5 50.0	1 10.0	1 10.0		
Firearms	1 100.0	1 100.0							
Other and Unspecified Home Accidents	32 100.0	2 6.3	2 6.3	5 15.6	8 25.0	4 12.5	4 12.5	7 21.9	
Other and Unspecified Public Accidents	135 100.0	4 3.0	4 3.0	11 8.1	59 43.7	18 13.3	18 13.3	21 15.6	
Accidents Type Unknown and Late Effects	356 100.0	5 1.4	4 1.1	33 9.3	170 47.8	35 9.8	30 8.4	79 22.2	

* Job related accidental deaths are not distributed by external cause, but rather by type of business, in the reporting format requested by the National Safety Council. Therefore, the job related total cannot be disaggregated by cause of accident.

Population 1988

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TAB-K
POPULATION

Population 1988

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Population 1988

NATIONAL TRENDS IN POPULATION GROWTH

Past Patterns of Change

The pattern of population change by age is essentially a reflection of the fluctuation in the number of births over time, modified by changes in levels of immigration and mortality. Large fluctuations in fertility occurred during periods such as the Great Depression in the 1930s and the baby boom beginning in 1946. After sustaining a level of almost 3 million in the early to middle 1920s, the number of births dropped to 2.3 million by 1933-34 and did not return to their old levels until World War II.

In 1946-47, the year following the demobilization of the Armed Forces, the number of births reached a new plateau of 3.9 million, an increase of roughly a million over the previous year. Although the birth rate began to drop in the 1950s, the number of births exceeded 4 million for 11 successive years from 1953 to 1964. Births peaked at 4.35 million in 1960-61, but in no year between 1946 and 1971 did the number of births fall below 3.5 million. With the fertility decline of the 1970s, the level of births dropped to 3.1 million in 1973-74, and only in the 1980s has the number risen above 3.5 million again.

The population in the younger age groups (5 to 13 years) and in school enrollment has reflected the long term decline in births since the middle 1960s. Elementary school enrollment plummeted during the 1970s as the population in this age range declined by 17 percent or 6 million from almost 37 million in 1970. This population has continued to decline moderately in the 1980s. With the rise in births since the middle 1970s, the population under 5 is again growing so that stabilization and some small growth of the elementary school-age population can be expected soon. Constriction of the population aged 14 to 17 continues as the last of the baby boom generation passes through high school. That age group has declined by an average of 1 percent per year since 1980, the largest decline of any age group. The college-age and young-adult population (18 to 24 years old), which grew enormously during the 1960s and 1970s as the baby boom cohort entered these decades, has been declining since 1981.

The fastest growing age group in the United States in the 1970s, aged 25 to 34, increased by 4.9 million or 13.3 percent from 1980 to 1985. This age group will continue to grow during the 1980s but at a greatly reduced rate. By 1984, the oldest cohort of the baby boom had entered the 35-44 year old age group, which has had the largest increase of any group since 1980 (6.0 million or 23.9 percent). This is the most rapidly growing age group whose growth will continue in the future as the baby boom generation approaches middle age.

The population aged 45 to 54 is beginning to decline as the small Depression cohort ages. The age group from 55 to 64, which is now growing slowly, will begin to decline in size when the smaller cohorts of the late 1920s and the Depression enter this age group. By contrast, the elderly population in the United States (65 years and over) continues to grow rapidly increasing as a group by 3.0 million or 11.7 percent since 1980. The continued aging trend in the population is reflected in the change in the median age. Between 1980 and 1983, the median age rose 0.9 years from 30.0 years to 30.9 years.

Although the general pattern of population change by age is approximately the same for Whites and Blacks, the Black population is growing more rapidly, which is apparent from the distinct racial differences in some age groups. The Black population under 5 years of age has shown significantly greater growth than the White population under 5. Similarly, each Black age group, with the exception of the 35 to 44 years and 65 years and over groups, exhibits either a larger increase or a smaller decrease than the comparable White age group. The overall effect is that the Black population grew by 5.3 percent compared with 2.5 percent for Whites between 1980 and 1983.

The Census of 1980

The 1980 census showed that dramatic changes took place in the social fabric of virtually every state during the 1970s. Shifts in family, household, and marriage patterns over the decade have altered the makeup of American society at the National, State, and local levels.

According to the 1980 census counts, the median age of the population increased to 30 years from the 28 year level reported in the 1970 Census. The increase has been attributed to declining fertility, aging of the "baby boom" cohorts, and increasing longevity of the population. Less than one-quarter of the population in 1980 was under 15 years of age and 11.3 percent were 65 years old and over.

The data for virtually all states point to faster growth of nonfamily households (one person or unrelated people in the same household) than for families, increases in smaller household size, and more families maintained by women with no husband present. These trends reflect a greater tendency of people to live alone, delay marriage, separate and divorce. While families still make up 73 percent of all households, this figure has decreased from almost 90 percent shown in the 1970 Census. The data also reveal variations in the composition of families among different race and Spanish origin groups.

NEW JERSEY POPULATION TRENDS

Overview

With the results of the 1980 Census of Population and Housing, New Jersey tabulated seven million plus inhabitants making it the ninth most populous state in the nation. With the highest density in the nation at 983.0 persons per square mile as of April 1, 1980, New Jersey had fifteen times the density of the United States and almost three times that of the Middle Atlantic region. Already the most densely populated state in the nation, New Jersey has passed the 1,000 - person per square mile level (with a population density of 1,033.8 persons per square mile) as of July 1, 1988. State population density figures, while correctly stating the population to land ratio do not, however, reflect the whole picture. Density is not uniform within the State. It varies considerably from county to county and from municipality to municipality.

The southern counties of New Jersey (Salem and Cumberland), as well as those in the northwest (Hunterdon, Sussex, and Warren), have population densities under 300 per square mile. These densities contrast markedly to the counties of Hudson and Essex, which have upward of 12,000 and 7,000 persons per square mile, respectively. It is in the State's northern area where the four largest cities are located and where the concentration of population is the greatest.

NEW JERSEY POPULATION 1970-1988

April 1, 1970	(Census)	7,171,112
July 1, 1971	(Revised)	7,273,000
July 1, 1972	(Revised)	7,322,000
July 1, 1973	(Revised)	7,316,000
July 1, 1974	(Revised)	7,312,000
July 1, 1975	(Revised)	7,313,000
July 1, 1976	(Revised)	7,312,000
July 1, 1977	(Revised)	7,306,000
July 1, 1978	(Revised)	7,316,000
July 1, 1979	(Provisional)	7,332,000
April 1, 1980	(Census)	7,365,011
July 1, 1981	(Revised)	7,407,000
July 1, 1982	(Revised)	7,430,000
July 1, 1983	(Revised)	7,468,000
July 1, 1984	(Revised)	7,517,000
July 1, 1985	(Revised)	7,568,000
July 1, 1986	(Revised)	7,625,000
July 1, 1987	(Revised)	7,674,000
July 1, 1988	(Provisional)	7,721,000

Source: Division of Labor Market and Demographic Research, New Jersey Department of Labor.

Growth Trends

During the decades of the 1950s and 1960s the State's population expanded rapidly, growing at an average annual rate of 2.3% from 1950 to 1960 and 1.7% from 1960 to 1970 compared to the national rates of 1.8% and 1.3%. The State's population "boom" came at the time when the other Middle Atlantic states were experiencing far slower growth rates. The trend reversed, however, and has gripped the State since 1973. Population decreased during the 1973-1977 period. The average annual increase was only 0.2% for the decade compared with 0.9% for the United States. The net change for New Jersey between the Census period 1970-1980 indicated a 2.5% overall increase while the nation as a whole increased by 11.4%. Projections of population changes between 1980 and 1990 estimate a 9.9% national increase and a 6.1% increase statewide.

Source of Change

The population growth consists of two major components. The first is classified as Natural Increase and comprises births minus deaths. The second is termed Net Migration which is an inward movement of new residents minus outward movement. It is interesting to see how New Jersey's growth patterns relate to Natural Increase almost paralleling that of the United States, while net migration occurred from the north and central regions of the country to the warmer southern and southwestern regions.

A review of the State's birth rate shows that historically New Jersey had a lower birth rate than the United States. Birth rates have declined substantially in the past thirty years both nationally and in New Jersey. New Jersey's death rate was also slightly higher than the national average during the 1950s and early 1960s, but since the mid sixties the crude death rates have been similar. In 1988, New Jersey's death rate was higher than the national rate. The leading cause of death in both New Jersey and the nation as a whole continues to be heart disease, which in 1988 claimed 351.0 persons per 100,000 New Jersey residents. Cancer, the second leading cause of death, accounted for 223.2 deaths per 100,000 New Jersey residents.

Net Natural Increase

With Net Natural Increase as the major component of population growth it is logical that births and deaths should have a strong influence on future growth and growth patterns within New Jersey. Nationally, as well as in the State, the net natural rate of increase has been falling since birth rates have declined faster than death rates. Moreover, New Jersey's net natural rate of increase has been below the national average for the past three decades because of a lower birth rate and a similar or higher death rate. From 1970 through 1984, for instance, New Jersey's annual net natural increase averaged about 0.47%, compared to 0.98% for the United States. The death rate in the U.S. was 8.8 deaths per 1,000 population in 1980 and 8.8 deaths per 1,000 population in 1988. In New Jersey the birth rate rose from 13.1 per 1,000 population in 1980 to 14.8 per 1,000 population in 1987 and 1988 while the death rate was 9.3 per 1,000 population in 1988, an increase from 9.1 in 1987.

Migration Rate

The other factor influencing population growth, Net Migration, showed a movement from New York and Pennsylvania to New Jersey's growing suburbs during the 1950s and 1960s. New Jersey's average annual net migration rate of 1.13% for 1950-1960 was nearly seven times the nation's 0.17% average annual rate. The State's 1960-1970 annual rate of .78%, likewise, was considerably higher than the national annual average, which remained at 0.17%. This influx of population explains most of New Jersey's rapid growth from 1950 to 1970.

New Jersey's in-migration slowed in the seventies, especially during the recession periods of 1970 and 1974/75. In fact, more people left the State than entered with an average net migration rate of about 0.2% annually compared to a national gain of 0.2%. This reversal in the State's net migration trend explains to a degree the slowing and the decline that has taken place within the State in the late seventies. A slowed rate of out-migration was confirmed by the 1980 Census. New Jersey's net in-migration rate was 0.3%. While this 0.3% is lower than the national rate of 1.0% for the same time period, it is a marked reversal from the net out-migration New Jersey was experiencing in the 1970s.

Intrastate Differences

The total New Jersey population increased by only 4.8% between 1980 and 1988. In 1988, births outnumbered deaths by 44,793. Internal shifts were similar as in past years and not unlike demographic trends found nationwide. Older cities continued to lose not only their manufacturing base but their residents who moved to the suburbs. Suburbia remained relatively stable in density of settlement, but continued to move outward with a greater radius from center cities as new "exurbs" grew. In relatively rural counties of southern New Jersey, especially near the shore, large retirement communities were established.

Among the State's six largest cities (Newark, Jersey City, Paterson, Elizabeth, Trenton and Camden) only Paterson experienced an increase (0.1%) between 1980 and 1988. The decrease among the other five ranged from -1.0% for Elizabeth to -4.7% for Newark. Between 1970 and 1980 the counties with the greatest population decrease of 7 to 990 were three urban counties, Essex, Hudson and Union. With its new gambling casinos Atlantic City is showing some reversal of its former economic decline. Although employment has increased, total resident population has decreased by 12.9% since 1980.

The most notable population changes in this State in the decade between 1970 and 1980 were the growth of four relatively rural counties. Hunterdon's population increased by 25%; Cape May's by 38%; Sussex by 50%; and Ocean County by 66%. Three of these four counties (Hunterdon, Cape May and Sussex) were among the five counties with the least population in the State in both 1970 and 1980. In two of these counties, Cape May and Ocean, growth can be attributed to a large increase in retirement communities. In Hunterdon, the age structure of the population in 1980 was very similar to the State as a whole. In Sussex, the age structure shows a larger number of younger families. The age structure in each of the counties and in the State is presented in Table 3.

Since 1980, Ocean County is estimated to have grown by the largest amount: approximately 67,000 persons, an average of 2.4% per year. Cape May had the second highest rate between 1980 and 1988 which is reflected in a 2.1% average

annual increase. This rate is greater than half of its annual growth rate for the period 1970-80. By contrast, four of the largest counties in the State, Bergen, Essex, Hudson, and Union are the only ones that have declined in numbers.

Racial Composition

The racial composition of the New Jersey population, as in the past, resembles closely that of the United States. In 1980, the white population represented 85.7% of the total population of New Jersey vs. 86.9% for the nation. By 1988 the percentage of whites in New Jersey's population dropped to 83.2% vs. 84.4% for the country. New Jersey's black population increased by 0.1% in the 1980-1988 period going from 12.6% to 12.7%, however, in this same 8-year-period the black population in the U.S. increased from 11.8% to 12.2%.

Age Distribution

The State's population is slightly "older" than the nation as a whole. The age distribution of the State's population has changed markedly over the years. The decline of the birth rate and the decreasing death rate have decreased the percentage of "future workers" in the population, while enlarging the top end of the age structure. In 1960, 29.0% of New Jersey's population was under fifteen years of age, but by 1970 this group accounted for only 27.8% of the population. By 1980 those under 15 represented 21.4%, and by 1990 those under 15 years of age are projected to represent 19.1% of the population. The disparity increases for the portion of the population under ten. In 1960, 20.3% of the population was ten and under with only 17.9% in 1970, 13.2% in 1980, and 12.9% estimated in 1990. At the upper end of the age distribution, the share of population 65 and over has increased from 9.1% in 1960 to 9.7 in 1970. The 1980 census shows a further increase to 11.7%, and in 1988 persons over age 64 represented 13.1%. The New Jersey trends parallel those of the United States as a whole and could have serious implications in the next ten to twenty years as a declining working-age population will have to support an increasing number of elderly people. The impact on our medical establishment will be profound as well.

1988 POPULATION

Overview

The New Jersey population as of July 1, 1988, was estimated at 7,721,000 --- up by 356,000 or 4.8% from the census count on April 1, 1980. Although substantially less than the U.S. gain of 8.5%, New Jersey outpaced the other seven most populous states in the Northeast and North Central Regions, including New York and Pennsylvania.

New Jersey's Comparative Growth

Although New Jersey's annual rate of population increase since 1980 (0.6% per year) was slightly more than half of the national gain (1.07% per year), state growth was about twice the increase shown in New York. Pennsylvania showed virtually no change at all. Of the eight largest states (over 5 million) in the Northeastern and North Central Regions, not only did New Jersey lead in the percent increase, but it was second only to New York in absolute growth since 1980.

A primary reason for New Jersey's growth was its positive net migration; that is, seventy-eight thousand more people moved into New Jersey than moved out from 1980 to 1988. New Jersey was the only state among the "Top Eight" in the Northeast and North Central Regions with this distinction.

TABLE-1

POPULATION BY AGE AND SEX
 UNITED STATES, NEW JERSEY, NEW YORK, AND PENNSYLVANIA
 APRIL 1, 1980

	United States	New Jersey	New York	Pennsylvania
TOTAL	226,504,825	7,364,158	17,557,288	11,866,728
Under 5 years	16,344,407	463,127	1,135,687	747,876
5-9 years	16,697,134	508,526	1,184,687	805,285
10-14 years	18,240,919	605,695	1,406,378	932,218
15-19 years	21,161,667	670,705	1,598,252	1,080,866
20-24 years	21,312,557	614,774	1,519,964	1,059,965
25-29 years	19,517,672	574,046	1,428,314	945,416
30-34 years	17,557,957	563,735	1,351,997	848,098
35-39 years	13,963,008	479,715	1,106,790	682,546
40-44 years	11,668,239	400,048	936,291	591,892
45-49 years	11,088,383	393,967	911,387	600,348
50-54 years	11,708,984	432,607	996,676	695,815
55-59 years	11,614,054	430,087	979,223	712,181
60-64 years	10,085,711	367,444	841,084	633,115
65 years and over	25,544,133	859,682	2,160,558	1,531,107
Median Age	30.0	32.2	31.9	32.1
Males	110,032,295	3,532,719	8,338,961	5,683,985
Females	116,472,530	3,831,439	9,218,327	6,182,743

Source: Bureau of the Census, U.S. Department of Commerce, 1980 Census of Population, Supplementary Reports "Age, Sex, Race, and Spanish Origin of the Population by Regions, Division, and States: 1980," PC80-S1-1, U.S. Government Printing Office, Washington, D.C., Issued May 1981.

TABLE-2

NEW JERSEY
POPULATION BY COUNTY, BY SEX, BY RACE, BY AGE
APRIL 1, 1980 CENSUS

County	Total	Male	Total	White	Nonwhite	FEMALE	
						15-44 yrs.	19 yrs & under
STATE TOTAL	7,364,823	3,533,012	3,831,811	3,177,848	653,963	1,687,457	1,101,412
Atlantic County	194,119	91,163	102,956	81,420	21,536	41,823	28,154
Bergen County	845,385	405,372	440,013	408,412	31,601	187,658	110,347
Burlington County	362,542	181,636	180,906	154,006	26,900	96,051	58,670
Camden County	471,650	225,202	246,448	199,366	47,082	109,580	75,312
Cape May County	82,266	39,503	42,763	39,570	3,193	15,465	10,603
Cumberland County	132,866	63,026	69,840	54,791	15,049	29,987	22,168
Essex County	851,116	396,667	454,449	255,005	199,444	200,409	133,734
Gloucester County	199,917	97,367	102,550	92,180	10,370	47,752	33,527
Hudson County	556,972	263,475	293,497	223,769	69,728	126,782	80,669
Hunterdon County	87,361	43,505	43,856	42,961	895	20,670	13,746
Mercer County	307,863	146,981	160,882	126,305	34,577	72,795	45,409
Middlesex County	595,893	292,433	303,460	272,337	31,123	145,099	88,157
Monmouth County	503,173	241,857	261,316	232,736	28,580	113,972	78,599
Morris County	407,630	198,804	208,826	198,854	9,972	98,785	63,255
Ocean County	346,038	164,046	181,992	174,710	7,282	67,259	49,062
Passaic County	447,585	212,631	234,954	184,808	50,146	103,425	68,372
Salem County	64,676	31,463	33,213	27,648	5,565	14,156	10,318
Somerset County	203,129	99,671	103,458	96,088	7,370	47,635	29,677
Sussex County	116,119	57,371	58,748	57,967	781	28,080	19,724
Union County	504,094	240,278	263,816	211,919	51,897	110,951	68,779
Warren County	84,429	40,561	43,868	42,996	872	19,123	13,130

TABLE-3

NEW JERSEY
POPULATION BY COUNTY BY AGE GROUP
APRIL 1, 1980 CENSUS

County	Total	AGE GROUP							65+
		Under 15	15-19	20-24	25-34	35-44	45-64	65+	
STATE TOTAL	7,364,823	1,577,577	670,665	614,828	1,137,893	879,823	1,624,266	859,771	
Atlantic County	194,119	40,813	16,833	16,218	28,404	19,967	41,097	30,787	
Bergen County	845,385	153,396	72,513	67,559	124,489	103,422	218,730	105,276	
Burlington County	362,542	84,478	38,485	33,556	59,925	45,770	71,646	28,682	
Camden County	471,650	110,187	43,253	40,359	75,038	53,180	100,401	49,232	
Cape May County	82,266	15,264	6,748	6,328	10,936	7,611	18,646	16,733	
Cumberland County	132,866	32,353	12,603	10,448	19,890	14,857	27,199	15,516	
Essex County	851,116	192,277	77,307	71,267	130,090	99,172	182,242	98,761	
Gloucester County	199,917	48,645	19,585	18,042	32,860	23,395	39,667	17,723	
Hudson County	556,972	116,069	48,168	49,889	86,991	61,908	124,015	69,932	
Hunterdon County	87,361	20,051	8,522	5,859	13,871	13,307	17,647	8,104	
Mercer County	307,863	62,353	29,346	29,583	48,284	35,639	67,458	35,200	
Middlesex County	595,893	120,970	59,639	60,704	97,741	70,936	133,171	52,732	
Monmouth County	503,173	113,584	46,953	37,489	75,222	64,341	106,048	59,536	
Morris County	407,630	90,933	38,533	31,268	65,572	58,845	86,683	35,796	
Ocean County	346,038	74,562	25,858	21,440	49,528	35,680	67,161	71,809	
Passaic County	447,585	98,336	40,194	38,850	69,046	51,572	96,446	53,141	
Salem County	64,676	15,272	6,030	4,918	9,673	7,292	13,953	7,538	
Somerset County	203,129	41,748	19,219	15,955	31,626	27,578	48,721	18,282	
Sussex County	116,119	30,594	9,863	7,533	22,097	16,545	19,352	10,135	
Union County	504,094	96,608	43,528	41,027	73,289	58,679	126,296	64,667	
Warren County	84,429	19,084	7,485	6,536	13,321	10,127	17,687	10,189	

TABLE-4

ESTIMATES OF RESIDENT POPULATION, NEW JERSEY COUNTIES*

<u>COUNTY</u>	<u>CENSUS, APRIL 1, 1980</u>	<u>REVISED ESTIMATE, JULY 1, 1984</u>	<u>REVISED ESTIMATE, JULY 1, 1985</u>	<u>PROVISIONAL ESTIMATE, JULY 1, 1986</u>
STATE TOTAL	7,365,011	7,511,000	7,561,000	7,620,000
Atlantic County	194,119	200,600	203,500	206,300
Bergen County	845,385	843,800	839,700	836,900
Burlington County	362,542	377,700	379,900	382,500
Camden County	471,650	484,800	487,100	492,900
Cape May County	82,266	88,000	90,000	92,200
Cumberland County	132,866	134,400	135,600	136,500
Essex County	851,304	841,500	844,000	843,900
Gloucester County	199,917	205,900	208,400	210,700
Hudson County	556,972	560,400	557,100	551,800
Hunterdon County	87,361	92,000	93,600	96,500
Mercer County	307,863	313,700	317,400	322,500
Middlesex County	595,893	616,900	626,800	636,200
Monmouth County	503,173	521,900	531,300	542,400
Morris County	407,630	417,500	417,700	418,500
Ocean County	346,038	370,700	380,600	393,600
Passaic County	447,585	457,100	459,700	461,500
Salem County	64,676	65,500	65,400	65,500
Somerset County	203,129	208,900	210,800	215,200
Sussex County	116,119	119,600	121,000	122,800
Union County	504,094	505,100	505,800	504,700
Warren County	84,429	85,400	85,600	86,600

* State estimates are shown to the nearest thousand persons, and county estimates to the nearest hundred persons.

SOURCE: Office of Demographic and Economic Analysis, Division of Planning and Research, Department of Labor.

TABLE-5

**COMPONENTS OF CHANGE IN RESIDENT POPULATION, BY COUNTY:
APRIL 1, 1980 TO JULY 1, 1986***

New Jersey Counties	Total Population		Change, 1980-1986		Components of Change		
	1980 Census	1986 Estimate	Number	Pct.	Births	Deaths	Net Migration
STATE TOTAL	7,365,011	7,620,000	255,000	3.46	626,000	430,000	59,000
Atlantic	194,119	206,300	12,200	6.28	18,200	15,100	9,100
Bergen	845,385	836,900	-8,500	-1.00	55,400	48,500	-15,500
Burlington	362,542	382,500	19,900	5.49	32,900	16,200	3,200
Camden	471,650	492,900	21,200	4.50	48,200	27,000	0
Cape May	82,266	92,200	9,900	12.05	7,200	7,400	10,000
Cumberland	132,866	136,500	3,600	2.70	13,000	8,100	-1,200
Essex	851,304	843,900	-7,400	-0.87	74,800	51,500	-30,700
Gloucester	199,917	210,700	10,800	5.40	19,200	10,100	1,700
Hudson	556,972	551,800	-5,200	-0.93	51,500	36,500	-20,200
Hunterdon	87,361	96,500	9,100	10.44	7,300	4,000	5,900
Mercer	307,863	322,500	14,600	4.74	26,400	17,900	6,100
Middlesex	595,893	636,200	40,300	6.77	48,800	29,200	20,700
Monmouth	503,173	542,400	39,300	7.81	41,600	30,500	28,100
Morris	407,630	418,500	10,900	2.67	31,200	18,000	-2,300
Ocean	346,038	393,600	47,600	13.75	29,800	29,700	47,400
Passaic	447,585	461,500	14,000	3.12	42,100	26,400	-1,800
Salem	64,676	65,500	800	1.21	5,700	3,900	-1,000
Somerset	203,129	215,200	12,100	5.94	15,600	9,400	5,900
Sussex	116,119	122,800	6,700	5.76	11,300	5,100	500
Union	504,094	504,700	600	0.11	38,700	30,600	-7,500
Warren	84,429	86,600	2,200	2.57	7,300	5,000	-100

* The 1986 population is the Provisional estimate, as of July 1. Population change, and estimates of the components of change, have been rounded to the nearest thousand persons for the State, and to the nearest hundred for the counties. Components of change may not add precisely to total change due to the rounding.

SOURCE: Office of Demographic and Economic Analysis, Division of Planning and Research, Department of Labor.

TABLE-6

POPULATION ESTIMATES FOR COUNTIES AND SELECTED PLACES
NEW JERSEY: 1988

PLACE OF RESIDENCE	Federal Census April 1, 1980	Revised Population Estimates July 1, 1987	Provisional Population Estimates July 1, 1988
STATE TOTAL	7,365,011	7,674,403	7,721,077
ATLANTIC COUNTY	194,119	209,043	212,880
Atlantic City	40,199	35,510	35,014
BERGEN COUNTY	845,385	831,813	827,076
BURLINGTON COUNTY	362,542	389,050	396,994
CAMDEN COUNTY	471,650	497,287	500,553
Camden City	84,910	81,847	81,896
Cherry Hill Twp.	68,785	73,798	74,677
Gloucester Twp.	45,156	51,727	52,648
CAPE MAY COUNTY	82,266	94,479	95,889
CUMBERLAND COUNTY	132,866	137,513	138,425
Vineland City	53,753	54,586	54,740
ESSEX COUNTY	851,304	843,546	838,455
Bloomfield	47,792	47,904	47,314
East Orange	77,878	77,246	77,204
Irvington	61,493	62,151	61,503
Newark	329,248	314,854	313,639
GLOUCESTER COUNTY	199,917	213,689	218,777
HUDSON COUNTY	556,972	546,578	540,979
Bayonne	65,047	61,487	60,765
Hoboken	42,460	41,461	41,831
Jersey City	223,532	218,517	217,380
North Bergen Twp.	47,019	46,425	45,766
Union City	55,593	54,601	53,469
HUNTERDON COUNTY	87,361	98,999	100,510
MERCER COUNTY	307,863	326,933	331,713
Hamilton Twp.	82,801	87,154	87,740
Trenton	92,124	90,636	90,990
MIDDLESEX COUNTY	595,893	645,709	653,218
Edison Twp.	70,193	84,024	85,500
New Brunswick	41,442	39,511	39,459
Old Bridge Twp.	51,515	56,539	56,908
Piscataway Twp.	42,223	43,990	44,126
Woodbridge Twp.	90,074	93,864	93,236
MONMOUTH COUNTY	503,173	553,436	559,717
Middletown Twp.	62,574	69,283	69,526
MORRIS COUNTY	407,630	419,135	420,607
Parsippany-Troy Hills	49,868	48,645	48,294
OCEAN COUNTY	346,038	402,570	412,974
Brick Twp.	53,629	61,791	62,825
Dover Twp.	64,455	72,412	74,198
PASSAIC COUNTY	447,585	463,276	463,408
Clifton	74,388	76,394	76,190
Passaic City	52,463	53,762	53,257
Paterson	137,970	138,037	138,791
Wayne Twp.	46,474	51,109	51,259
SALEM COUNTY	64,676	65,660	66,254
SOMERSET COUNTY	203,129	221,273	227,312
SUSSEX COUNTY	116,119	124,609	126,633
UNION COUNTY	504,094	502,208	499,727
Elizabeth	106,201	105,792	105,102
Plainfield	45,555	45,684	44,981
Union Twp.	50,184	50,939	51,342
WARREN COUNTY	84,429	87,597	88,976

NOTE: Population from the Division of Labor Market and Demographic Research,
New Jersey Department of Labor.

TABLE-7

RESIDENT POPULATION 65 AND OLDER
NEW JERSEY COUNTIES: 1987-1988

NEW JERSEY COUNTIES	CENSUS 4/1/80	ESTIMATED AS OF JULY 1 *	
		1987 (R)	1988 (P)
STATE TOTAL	859,771	995,000	1,009,000
Atlantic County	30,787	31,500	31,800
Bergen County	105,276	120,800	123,000
Burlington County	28,682	38,000	39,100
Camden County	49,232	58,800	60,100
Cape May County	16,733	18,700	18,900
Cumberland County	15,516	17,800	18,200
Essex County	98,761	100,300	100,000
Gloucester County	17,723	22,600	23,400
Hudson County	69,932	71,500	71,000
Hunterdon County	8,104	9,500	9,800
Mercer County	35,200	41,500	42,100
Middlesex County	52,732	71,100	73,100
Monmouth County	59,536	70,200	71,800
Morris County	35,796	42,400	43,300
Ocean County	71,809	92,500	94,600
Passaic County	53,141	58,200	58,500
Salem County	7,538	9,000	9,100
Somerset County	18,282	23,600	24,200
Sussex County	10,135	11,900	12,000
Union County	64,667	72,700	73,200
Warren County	10,189	12,100	12,300

* State estimates are shown to the nearest thousand persons, and county estimates to the nearest hundred persons.

The estimate for 1988 is provisional (P). The estimate for 1987 is revised (R) from last year.

SOURCE: Division of Labor Market and Demographic Research,
New Jersey Department of Labor.

New Jersey Population Estimates by County According to Age, Sex, and Race 1988

These estimates should be used only for
statistical purposes as applied to health data.

NOTE: These age, sex, and race levels were developed using the provisional Official State Estimates for July 1, 1988 which were released by the Department of Labor in October, 1989. The age, sex, and race levels contained in this report are not official estimates and are intended for statistical use by health professionals in computation of morbidity and mortality rates by age, sex, and race characteristics and in projecting ranges of "need."

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NEW JERSEY DEPARTMENT OF HEALTH

TAB-L
POPULATION ESTIMATES BY COUNTY,
AGE, SEX, RACE

New Jersey Population Estimates by County According to Age, Sex, and Race 1988

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NOTES ON DATA AND ESTIMATING METHOD ESTIMATES BY AGE, SEX, AND RACE

The age, sex, and race estimates in this report were developed for Health Statistics Purposes Only. While these estimates are considered crude, they represent the only age, sex, and race data available for July 1, 1988. Using county controls, these estimates were generated through the Department of Labor's "Official State July 1, 1988 Population Estimates,"¹ which include values for total population by county and residents aged under 5, 5 through 17, 18 through 64, and 65 and over. These estimates are provisional, not official.

To generate the age, sex, and race proportionate shares for New Jersey and its 21 counties, linear interpolation was performed between the 1982 estimate values released by Richard Irwin at the U.S. Bureau of the Census, and the 1990 Population Projections information developed from ODEA Economic & Demographic Model prepared by the Department of Labor in November, 1985.² These 1990 population projections did not present age, sex, and race information for Cape May, Hunterdon, Sussex, and Warren Counties because of small values, especially for the nonwhite population. To generate values included herein for Cape May, Hunterdon, Sussex, and Warren Counties, the Department of Labor provided to the Health Department unpublished projections of race and sex, with the understanding that the projections not be released, but reserved for internal use only.

While these estimates attempt to account for births, deaths, aging, and migration factors in the population through the use of linear interpolation between 1982 estimates and 1990 projections (as described above) and statistical control to 1988 provisional county estimates, they are only very crude estimates. They are, however, the only data available in the absence of any hard indicators of the population age distributions by race and sex that could be more accurately ascertained through use of administrative records (i.e., Medicare, school enrollment, driver's license registration, taxation, etc.). These crude estimates were generated and are intended for use only by health professionals for statistical purposes, such as computation of morbidity and mortality rates and health planning modelling of "need" for health care services by age, sex, and race at the county level.

Users should be aware that the 1988 county base population level used to generate these data may not agree with individual breakdowns and that county values may not add to state values because of rounding.

Footnotes:

- 1 Provisional Population Estimates for New Jersey - July 1, 1988. (Official State Estimates) N.J. Department of Labor, Office of Demographic and Economic Analysis - October, 1989.
- 2 New Jersey Revised Total and Age and Sex Population Projections for July 1, 1990. New Jersey Department of Labor, Office of Demographic and Economic Analysis - November, 1985.

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

NEW JERSEY 1988

	TOTAL	WHITE		WHITE		WHITE		NONWHITE		NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Under 5	529,018	207,612	197,214	404,826	62,897	61,295	124,192	270,509	258,509						
5-9	481,664	191,409	182,346	373,755	54,767	53,142	107,909	246,176	235,488						
10-14	500,255	198,395	188,736	387,131	57,041	56,083	113,124	255,436	244,819						
15-19	551,191	220,065	211,607	431,672	58,273	61,246	119,519	278,338	272,853						
20-24	608,803	244,067	240,006	484,073	57,287	67,443	124,730	301,354	307,449						
25-29	649,243	262,418	253,713	516,131	61,253	71,859	133,112	323,671	325,572						
30-34	649,362	267,997	258,871	526,868	54,929	67,565	122,494	322,926	326,436						
35-39	602,825	246,815	244,800	491,615	50,390	60,820	111,210	297,205	305,620						
40-44	540,246	215,661	226,918	442,579	45,116	52,551	97,667	260,777	279,469						
45-49	449,826	180,119	192,238	372,357	36,230	41,239	77,469	216,349	233,477						
50-54	388,035	157,041	168,722	325,763	29,206	33,066	62,272	186,247	201,788						
55-59	378,291	155,540	171,280	326,820	23,321	28,150	51,471	178,861	199,430						
60-64	381,576	157,029	180,603	337,632	19,295	24,649	43,944	176,324	205,252						
65-69	338,470	133,384	170,719	304,103	14,462	19,905	34,367	147,846	190,624						
70-74	266,363	99,808	142,153	241,961	9,649	14,753	24,402	109,457	156,906						
75-79	192,083	64,878	110,775	175,653	6,071	10,359	16,430	70,949	121,134						
80-84	117,725	34,918	74,032	108,950	2,885	5,890	8,775	37,803	79,922						
85+	94,320	22,338	64,953	87,291	1,882	5,147	7,029	24,220	70,100						
All ages	7,721,000	3,059,494	3,279,686	6,339,180	644,954	735,162	1,380,116	3,704,448	4,014,848						

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

ATLANTIC 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	14,892	5,623	5,325	10,948	1,998	1,946	3,944	7,621	7,271
5-9	12,578	5,009	4,681	9,690	1,441	1,447	2,888	6,450	6,128
10-14	13,115	5,212	4,824	10,036	1,523	1,556	3,079	6,735	6,380
15-19	14,369	5,603	5,308	10,911	1,710	1,748	3,458	7,313	7,056
20-24	16,029	6,359	6,287	12,646	1,592	1,791	3,383	7,951	8,078
25-29	18,773	8,150	7,163	15,313	1,497	1,963	3,460	9,647	9,126
30-34	21,013	9,849	8,079	17,928	1,295	1,790	3,085	11,144	9,869
35-39	16,426	7,357	6,532	13,889	1,081	1,456	2,537	8,438	7,988
40-44	13,401	5,579	5,612	11,191	894	1,316	2,210	6,473	6,928
45-49	10,597	4,140	4,478	8,618	861	1,118	1,979	5,001	5,596
50-54	9,482	3,607	4,049	7,656	771	1,055	1,826	4,378	5,104
55-59	9,660	3,726	4,193	7,919	724	1,017	1,741	4,450	5,210
60-64	10,732	4,043	4,873	8,916	742	1,074	1,816	4,785	5,947
65-69	9,901	3,630	4,812	8,442	577	882	1,459	4,207	5,694
70-74	7,711	2,623	3,999	6,622	381	708	1,089	3,004	4,707
75-79	6,311	1,990	3,437	5,427	308	576	884	2,298	4,013
80-84	4,239	1,189	2,453	3,642	195	402	597	1,384	2,855
85+	3,625	837	2,250	3,087	162	376	538	999	2,626
All ages	212,900	84,526	88,355	172,881	17,752	22,221	39,973	102,278	110,576

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

BERGEN 1988

	TOTAL	WHITE		WHITE		WHITE		NONWHITE		NONWHITE		TOTAL	
		MALE	MALE	MALE	MALE	MALE	MALE	MALE	MALE	MALE	MALE	MALE	MALE
Under 5	47,000	20,805	19,771	40,576	3,233	3,191	6,424	24,038	22,962	24,038	22,962	24,038	22,962
5-9	43,367	18,879	17,962	36,841	3,355	3,171	6,526	22,234	21,133	22,234	21,133	22,234	21,133
10-14	46,606	19,987	18,939	38,926	3,920	3,760	7,680	23,907	22,699	23,907	22,699	23,907	22,699
15-19	50,854	22,244	21,258	43,502	3,587	3,765	7,352	25,831	25,023	25,831	25,023	25,831	25,023
20-24	59,624	26,702	25,885	52,587	3,209	3,828	7,037	29,911	29,713	29,911	29,713	29,911	29,713
25-29	66,347	29,587	28,363	57,950	3,935	4,462	8,397	33,522	32,825	33,522	32,825	33,522	32,825
30-34	67,544	30,042	29,216	59,258	3,858	4,428	8,286	33,900	33,644	33,900	33,644	33,900	33,644
35-39	65,913	28,118	27,717	55,835	4,822	5,256	10,078	32,940	32,973	32,940	32,973	32,940	32,973
40-44	61,505	24,536	26,546	51,082	5,356	5,067	10,423	29,892	31,613	29,892	31,613	29,892	31,613
45-49	52,744	21,310	23,793	45,103	4,037	3,604	7,641	25,347	27,397	25,347	27,397	25,347	27,397
50-54	47,344	19,890	22,207	42,097	2,742	2,505	5,247	22,632	24,712	22,632	24,712	22,632	24,712
55-59	47,113	20,631	23,129	43,760	1,674	1,679	3,353	22,305	24,808	22,305	24,808	22,305	24,808
60-64	48,153	21,254	24,407	45,661	1,134	1,358	2,492	22,388	25,765	22,388	25,765	22,388	25,765
65-69	42,831	18,188	22,639	40,827	893	1,111	2,004	19,081	23,750	19,081	23,750	19,081	23,750
70-74	32,982	13,052	18,470	31,522	605	855	1,460	13,657	19,325	13,657	19,325	13,657	19,325
75-79	22,870	8,128	13,825	21,953	325	592	917	8,453	14,417	8,453	14,417	8,453	14,417
80-84	13,619	4,164	9,011	13,175	149	295	444	4,313	9,306	4,313	9,306	4,313	9,306
85+	10,704	2,598	7,793	10,391	82	231	313	2,680	8,024	2,680	8,024	2,680	8,024
All ages	827,100	350,115	380,931	731,046	46,916	49,158	96,074	397,031	430,089	397,031	430,089	397,031	430,089

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

BURLINGTON 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	27,899	11,602	11,051	22,653	2,672	2,574	5,246	14,274	13,625
5-9	26,102	10,860	10,313	21,173	2,515	2,414	4,929	13,375	12,727
10-14	27,226	10,969	10,635	21,604	2,906	2,716	5,622	13,875	13,351
15-19	31,184	12,882	11,040	23,922	4,055	3,207	7,262	16,937	14,247
20-24	31,986	11,595	12,271	23,866	4,659	3,461	8,120	16,254	15,732
25-29	33,300	11,889	14,163	26,052	3,508	3,740	7,248	15,397	17,903
30-34	35,227	15,332	14,008	29,340	2,533	3,354	5,887	17,865	17,362
35-39	33,364	14,724	13,102	27,826	2,619	2,919	5,538	17,343	16,021
40-44	29,886	12,593	12,025	24,618	2,676	2,592	5,268	15,269	14,617
45-49	24,229	10,172	9,688	19,860	2,204	2,165	4,369	12,376	11,853
50-54	20,212	8,242	8,253	16,495	1,940	1,777	3,717	10,182	10,030
55-59	19,216	7,905	8,194	16,099	1,594	1,523	3,117	9,499	9,717
60-64	18,074	7,467	8,379	15,846	1,138	1,090	2,228	8,605	9,469
65-69	14,444	5,973	7,187	13,160	622	662	1,284	6,595	7,849
70-74	10,242	4,110	5,399	9,509	323	410	733	4,433	5,809
75-79	6,730	2,419	3,885	6,304	172	254	426	2,591	4,139
80-84	4,119	1,249	2,641	3,890	70	159	229	1,319	2,800
85+	3,547	798	2,560	3,358	36	153	189	834	2,713
All ages	397,000	160,781	164,794	325,575	36,242	35,170	71,412	197,023	199,964

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

CAMDEN 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	39,693	14,975	14,205	29,180	5,328	5,185	10,513	20,303	19,390
5-9	36,453	13,747	13,108	26,855	4,878	4,720	9,598	18,625	17,828
10-14	35,572	13,423	12,836	26,259	4,722	4,591	9,313	18,145	17,427
15-19	35,496	13,642	13,324	26,966	4,198	4,332	8,530	17,840	17,656
20-24	38,426	14,819	15,150	29,969	3,763	4,694	8,457	18,582	19,844
25-29	43,446	17,274	16,516	33,790	4,309	5,347	9,656	21,583	21,863
30-34	44,326	17,962	16,827	34,789	4,171	5,366	9,537	22,133	22,193
35-39	39,406	15,568	15,588	31,156	3,792	4,458	8,250	19,360	20,046
40-44	33,461	12,892	13,889	26,781	3,024	3,656	6,680	15,916	17,545
45-49	26,625	10,438	11,187	21,625	2,325	2,675	5,000	12,763	13,862
50-54	22,637	8,833	9,805	18,638	1,861	2,138	3,999	10,694	11,943
55-59	22,273	8,943	9,831	18,774	1,607	1,892	3,499	10,550	11,723
60-64	22,669	9,067	10,691	19,758	1,307	1,604	2,911	10,374	12,295
65-69	20,761	8,035	10,204	18,239	1,098	1,424	2,522	9,133	11,628
70-74	16,469	5,989	8,578	14,567	776	1,126	1,902	6,765	9,704
75-79	11,153	3,592	6,389	9,981	467	705	1,172	4,059	7,094
80-84	6,628	1,792	4,227	6,019	217	392	609	2,009	4,619
85+	5,102	1,132	3,430	4,562	116	424	540	1,248	3,854
All ages	500,600	192,123	205,785	397,908	47,959	54,729	102,688	240,082	260,514

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

CAPE MAY 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Under 5	6,500	3,043	2,918	5,961	267	272	539	3,310	3,190
5-9	5,594	2,569	2,511	5,080	259	255	514	2,828	2,766
10-14	5,481	2,548	2,441	4,989	245	247	492	2,793	2,688
15-19	6,286	3,112	2,659	5,771	254	261	515	3,366	2,920
20-24	6,991	3,381	3,156	6,537	181	273	454	3,562	3,429
25-29	7,356	3,492	3,421	6,913	178	265	443	3,670	3,686
30-34	7,891	3,956	3,511	7,467	193	231	424	4,149	3,742
35-39	6,996	3,453	3,134	6,587	201	208	409	3,654	3,342
40-44	5,461	2,490	2,560	5,070	194	197	391	2,684	2,777
45-49	4,376	1,952	2,104	4,056	139	181	320	2,091	2,285
50-54	3,983	1,741	1,989	3,730	100	153	253	1,841	2,142
55-59	4,498	1,952	2,275	4,227	107	164	271	2,059	2,439
60-64	5,492	2,369	2,901	5,270	103	119	222	2,472	3,020
65-69	5,704	2,411	3,064	5,475	93	136	229	2,504	3,200
70-74	4,934	1,988	2,746	4,734	80	120	200	2,068	2,866
75-79	3,883	1,451	2,260	3,711	74	98	172	1,525	2,358
80-84	2,502	842	1,567	2,409	26	67	93	868	1,634
85+	1,880	521	1,279	1,800	31	49	80	552	1,328
All ages	95,900	43,271	46,516	89,787	2,725	3,296	6,021	45,996	49,812

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

CUMBERLAND 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Under 5	9,987	3,804	3,631	7,435	1,284	1,268	2,552	5,088	4,899
5-9	9,622	3,726	3,655	7,381	1,096	1,145	2,241	4,822	4,800
10-14	10,246	3,945	3,877	7,822	1,218	1,206	2,424	5,163	5,083
15-19	11,026	4,358	4,233	8,591	1,170	1,265	2,435	5,528	5,498
20-24	11,204	4,220	4,539	8,759	1,166	1,279	2,445	5,386	5,818
25-29	11,843	4,604	4,712	9,316	1,352	1,175	2,527	5,956	5,887
30-34	10,683	4,257	4,488	8,745	911	1,027	1,938	5,168	5,515
35-39	9,732	3,872	4,253	8,125	709	898	1,607	4,581	5,151
40-44	8,812	3,560	3,968	7,528	563	721	1,284	4,123	4,689
45-49	7,517	3,025	3,380	6,405	492	620	1,112	3,517	4,000
50-54	6,577	2,621	3,024	5,645	407	525	932	3,028	3,549
55-59	6,336	2,549	2,961	5,510	363	463	826	2,912	3,424
60-64	6,580	2,606	3,160	5,766	348	466	814	2,954	3,626
65-69	6,002	2,308	3,077	5,385	268	349	617	2,576	3,426
70-74	4,723	1,760	2,506	4,266	180	277	457	1,940	2,783
75-79	3,550	1,238	1,983	3,221	127	202	329	1,365	2,185
80-84	2,211	690	1,331	2,021	64	126	190	754	1,457
85+	1,702	434	1,101	1,535	58	109	167	492	1,210
All ages	138,400	53,577	59,879	113,456	11,776	13,121	24,897	65,353	73,000

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

ESSEX 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	59,794	13,384	12,698	26,082	17,071	16,641	33,712	30,455	29,339
5-9	56,847	13,359	12,747	26,106	15,603	15,138	30,741	28,962	27,885
10-14	58,767	13,790	13,259	27,049	15,897	15,821	31,718	29,687	29,080
15-19	63,125	15,511	14,875	30,386	15,774	16,965	32,739	31,285	31,840
20-24	70,864	17,559	17,338	34,897	16,117	19,850	35,967	33,676	37,188
25-29	72,775	17,751	17,132	34,883	16,983	20,909	37,892	34,734	38,041
30-34	68,701	17,718	17,569	35,287	14,446	18,968	33,414	32,164	36,537
35-39	62,343	16,133	16,907	33,040	12,540	16,763	29,303	28,673	33,670
40-44	55,486	14,325	15,858	30,183	10,981	14,322	25,303	25,306	30,180
45-49	47,243	12,286	14,017	26,303	8,983	11,957	20,940	21,269	25,974
50-54	42,066	11,418	12,818	24,236	7,898	9,932	17,830	19,316	22,750
55-59	40,695	11,709	13,396	25,105	6,797	8,793	15,590	18,506	22,189
60-64	39,680	11,907	14,037	25,944	5,899	7,837	13,736	17,806	21,874
65-69	34,577	10,041	13,376	23,417	4,582	6,578	11,160	14,623	19,954
70-74	26,389	7,337	10,893	18,230	3,172	4,987	8,159	10,509	15,880
75-79	18,984	4,689	8,768	13,457	1,979	3,548	5,527	6,668	12,316
80-84	11,075	2,480	5,690	8,170	933	1,972	2,905	3,413	7,662
85+	8,996	1,649	5,128	6,777	583	1,636	2,219	2,232	6,764
All ages	838,500	213,046	236,506	449,552	176,238	212,617	388,855	389,284	449,123

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

GLOUCESTER 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Under 5	17,300	7,953	7,628	15,581	873	846	1,719	8,826	8,474
5-9	15,474	7,093	6,770	13,863	820	791	1,611	7,913	7,561
10-14	16,066	7,356	7,094	14,450	824	792	1,616	8,180	7,886
15-19	16,901	7,521	7,636	15,157	834	910	1,744	8,355	8,546
20-24	17,622	7,901	8,136	16,037	711	874	1,585	8,612	9,010
25-29	19,540	9,280	8,619	17,899	702	939	1,641	9,982	9,558
30-34	19,394	8,859	8,831	17,690	768	936	1,704	9,627	9,767
35-39	16,634	7,422	7,760	15,182	647	805	1,452	8,069	8,565
40-44	15,205	6,845	6,976	13,821	628	756	1,384	7,473	7,732
45-49	12,061	5,523	5,447	10,970	491	600	1,091	6,014	6,047
50-54	10,067	4,447	4,624	9,071	451	545	996	4,898	5,169
55-59	9,655	4,278	4,529	8,807	382	466	848	4,660	4,995
60-64	9,566	4,125	4,609	8,734	359	473	832	4,484	5,082
65-69	8,312	3,416	4,147	7,563	336	413	749	3,752	4,560
70-74	6,253	2,372	3,299	5,671	238	344	582	2,610	3,643
75-79	4,201	1,429	2,379	3,808	148	245	393	1,577	2,624
80-84	2,562	769	1,580	2,349	75	138	213	844	1,718
85+	2,080	450	1,451	1,901	61	118	179	511	1,569
All ages	218,800	97,039	101,515	198,554	9,348	10,991	20,339	106,387	112,506

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

HUDSON 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	39,300	13,925	13,171	27,096	6,140	6,064	12,204	20,065	19,235
5-9	36,019	13,040	12,465	25,505	5,246	5,268	10,514	18,286	17,733
10-14	35,746	13,537	12,657	26,194	4,818	4,734	9,552	18,355	17,391
15-19	38,280	14,390	13,846	28,236	4,790	5,254	10,044	19,180	19,100
20-24	42,622	16,492	15,931	32,423	4,712	5,487	10,199	21,204	21,418
25-29	46,604	17,695	17,592	35,287	5,632	5,685	11,317	23,327	23,277
30-34	46,083	17,323	17,805	35,128	5,274	5,681	10,955	22,597	23,486
35-39	41,674	15,762	16,217	31,979	4,589	5,106	9,695	20,351	21,323
40-44	35,098	12,955	13,963	26,918	3,843	4,337	8,180	16,798	18,300
45-49	28,677	10,792	12,034	22,826	2,791	3,060	5,851	13,583	15,094
50-54	26,700	10,469	11,682	22,151	2,092	2,457	4,549	12,561	14,139
55-59	26,214	10,535	12,085	22,620	1,601	1,993	3,594	12,136	14,078
60-64	26,812	10,668	12,909	23,577	1,390	1,845	3,235	12,058	14,754
65-69	24,335	9,185	12,460	21,645	1,069	1,621	2,690	10,254	14,081
70-74	18,710	6,490	10,291	16,781	752	1,177	1,929	7,242	11,468
75-79	13,518	4,256	7,960	12,216	452	850	1,302	4,708	8,810
80-84	7,971	2,207	5,100	7,307	206	458	664	2,413	5,558
85+	6,454	1,432	4,433	5,865	143	446	589	1,575	4,879
All ages	541,000	201,153	222,601	423,754	55,540	61,523	117,063	256,693	284,124

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

HUNTERDON 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	7,201	3,639	3,451	7,090	54	57	111	3,693	3,508	3,508
5-9	6,222	3,152	2,974	6,126	36	60	96	3,188	3,034	3,034
10-14	6,618	3,375	3,121	6,496	34	88	122	3,409	3,209	3,209
15-19	7,675	3,927	3,511	7,438	160	77	237	4,087	3,588	3,588
20-24	8,196	4,045	3,828	7,873	230	93	323	4,275	3,921	3,921
25-29	7,839	3,868	3,772	7,640	107	92	199	3,975	3,864	3,864
30-34	7,702	3,861	3,723	7,584	43	75	118	3,904	3,798	3,798
35-39	8,514	4,154	4,219	8,373	65	76	141	4,219	4,295	4,295
40-44	8,757	4,206	4,410	8,616	74	67	141	4,280	4,477	4,477
45-49	7,399	3,645	3,650	7,295	57	47	104	3,702	3,697	3,697
50-54	5,591	2,820	2,702	5,522	36	33	69	2,856	2,735	2,735
55-59	4,890	2,474	2,364	4,838	24	28	52	2,498	2,392	2,392
60-64	4,202	2,115	2,048	4,163	17	22	39	2,132	2,070	2,070
65-69	3,397	1,575	1,772	3,347	19	31	50	1,594	1,803	1,803
70-74	2,561	1,094	1,439	2,533	14	14	28	1,108	1,453	1,453
75-79	1,806	677	1,106	1,783	7	16	23	684	1,122	1,122
80-84	1,127	347	764	1,111	7	9	16	354	773	773
85+	911	226	672	898	2	11	13	228	683	683
All ages	100,500	49,200	49,526	98,726	986	896	1,882	50,186	50,422	50,422

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

MERCER 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	20,593	6,894	6,598	13,492	3,602	3,499	7,101	10,496	10,097	
5-9	19,093	6,696	6,345	13,041	3,087	2,965	6,052	9,783	9,310	
10-14	20,690	7,211	7,087	14,298	3,070	3,322	6,392	10,281	10,409	
15-19	28,691	10,956	10,643	21,599	3,286	3,806	7,092	14,242	14,449	
20-24	31,315	12,623	11,343	23,966	3,368	3,981	7,349	15,991	15,324	
25-29	28,099	10,512	9,821	20,333	3,737	4,029	7,766	14,249	13,850	
30-34	26,084	9,615	9,867	19,482	2,979	3,623	6,602	12,594	13,490	
35-39	24,415	9,369	9,701	19,070	2,287	3,058	5,345	11,656	12,759	
40-44	22,222	8,832	9,181	18,013	1,720	2,489	4,209	10,552	11,670	
45-49	18,548	7,276	7,815	15,091	1,471	1,986	3,457	8,747	9,801	
50-54	16,181	6,279	6,706	12,985	1,338	1,858	3,196	7,617	8,564	
55-59	16,379	6,305	7,021	13,326	1,270	1,783	3,053	7,575	8,804	
60-64	17,278	6,699	7,762	14,461	1,194	1,623	2,817	7,893	9,385	
65-69	14,557	5,376	7,058	12,434	871	1,252	2,123	6,247	8,310	
70-74	10,975	3,891	5,738	9,629	542	804	1,346	4,433	6,542	
75-79	7,924	2,474	4,532	7,006	360	558	918	2,834	5,090	
80-84	4,725	1,307	2,971	4,278	147	300	447	1,454	3,271	
85+	3,893	843	2,701	3,544	104	245	349	947	2,946	
All ages	331,700	123,158	132,890	256,048	34,433	41,181	75,614	157,591	174,071	

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

MIDDLESEX 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	43,554	18,722	17,657	36,379	3,664	3,511	7,175	22,386	21,168
5-9	35,550	15,636	14,813	30,449	2,604	2,497	5,101	18,240	17,310
10-14	39,426	16,808	15,610	32,418	3,591	3,417	7,008	20,399	19,027
15-19	50,934	21,412	20,494	41,906	4,377	4,651	9,028	25,789	25,145
20-24	59,815	25,658	24,719	50,377	4,269	5,169	9,438	29,927	29,888
25-29	58,852	25,141	24,381	49,522	4,429	4,901	9,330	29,570	29,282
30-34	58,627	24,359	24,564	48,923	4,516	5,188	9,704	28,875	29,752
35-39	52,726	21,712	21,794	43,506	4,435	4,785	9,220	26,147	26,579
40-44	45,750	18,664	19,675	38,339	3,623	3,788	7,411	22,287	23,463
45-49	37,355	15,551	16,586	32,137	2,747	2,471	5,218	18,298	19,057
50-54	32,548	13,924	14,960	28,884	1,922	1,742	3,664	15,846	16,702
55-59	32,247	14,216	15,485	29,701	1,238	1,308	2,546	15,454	16,793
60-64	32,677	14,524	16,022	30,546	938	1,193	2,131	15,462	17,215
65-69	27,523	11,618	14,361	25,979	633	911	1,544	12,251	15,272
70-74	20,180	8,161	10,888	19,049	470	661	1,131	8,631	11,549
75-79	12,881	4,594	7,613	12,207	264	410	674	4,858	8,023
80-84	7,085	2,202	4,578	6,780	116	189	305	2,318	4,767
85+	5,431	1,324	3,909	5,233	54	144	198	1,378	4,053
All ages	653,200	274,226	288,109	562,335	43,890	46,936	90,826	318,116	335,045

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

MONMOUTH 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	37,993	16,645	15,932	32,577	2,852	2,564	5,416	19,497	18,496	19,497	18,496	
5-9	35,588	15,705	15,064	30,769	2,524	2,295	4,819	18,229	17,359	18,229	17,359	
10-14	37,017	16,260	15,833	32,093	2,519	2,405	4,924	18,779	18,238	18,779	18,238	
15-19	37,683	16,734	16,116	32,850	2,309	2,524	4,833	19,043	18,640	19,043	18,640	
20-24	39,400	17,400	17,332	34,732	2,046	2,622	4,668	19,446	19,954	19,446	19,954	
25-29	44,775	20,020	19,689	39,709	2,334	2,732	5,066	22,354	22,421	22,354	22,421	
30-34	46,662	21,542	20,390	41,932	2,139	2,591	4,730	23,681	22,981	23,681	22,981	
35-39	45,928	21,471	20,152	41,623	1,910	2,395	4,305	23,381	22,547	23,381	22,547	
40-44	41,999	18,846	19,168	38,014	1,824	2,161	3,985	20,670	21,329	20,670	21,329	
45-49	35,514	15,771	16,254	32,025	1,594	1,895	3,489	17,365	18,149	17,365	18,149	
50-54	29,342	13,044	13,329	26,373	1,363	1,606	2,969	14,407	14,935	14,407	14,935	
55-59	27,959	12,082	13,239	25,321	1,174	1,464	2,638	13,256	14,703	13,256	14,703	
60-64	28,033	12,089	13,613	25,702	1,040	1,291	2,331	13,129	14,904	13,129	14,904	
65-69	23,430	9,501	12,148	21,649	752	1,029	1,781	10,253	13,177	10,253	13,177	
70-74	18,286	7,149	9,786	16,935	518	833	1,351	7,667	10,619	7,667	10,619	
75-79	13,605	4,698	7,968	12,666	359	580	939	5,057	6,548	5,057	6,548	
80-84	8,817	2,583	5,680	8,263	198	356	554	2,781	6,036	2,781	6,036	
85+	7,650	1,805	5,390	7,195	133	322	455	1,938	5,712	1,938	5,712	
All ages	559,700	243,345	257,083	500,428	27,588	31,665	59,253	270,933	288,748	270,933	288,748	

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

MORRIS 1988

	TOTAL	WHITE		NONWHITE		NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	27,200	12,955	12,343	25,298	964	938	1,902	13,919	13,281	13,919	13,281
5-9	24,932	11,750	11,295	23,045	964	923	1,887	12,714	12,218	12,714	12,218
10-14	26,113	12,380	11,745	24,125	1,045	943	1,988	13,425	12,688	13,425	12,688
15-19	29,562	13,827	13,645	27,472	1,044	1,046	2,090	14,871	14,691	14,871	14,691
20-24	32,765	15,489	15,169	30,658	974	1,133	2,107	16,463	16,302	16,463	16,302
25-29	36,878	17,921	16,403	34,324	1,276	1,278	2,554	19,197	17,681	19,197	17,681
30-34	39,011	19,575	17,124	36,699	1,114	1,198	2,312	20,689	18,322	20,689	18,322
35-39	36,546	17,431	16,493	33,924	1,315	1,307	2,622	18,746	17,800	18,746	17,800
40-44	32,878	14,666	15,735	30,401	1,244	1,233	2,477	15,910	16,968	15,910	16,968
45-49	28,947	13,264	13,868	27,132	943	872	1,815	14,207	14,740	14,207	14,740
50-54	23,103	10,815	11,087	21,902	628	573	1,201	11,443	11,660	11,443	11,660
55-59	20,746	9,928	10,024	19,952	375	419	794	10,303	10,443	10,303	10,443
60-64	18,626	8,741	9,231	17,972	300	354	654	9,041	9,585	9,041	9,585
65-69	14,914	6,467	7,999	14,466	194	254	448	6,661	8,253	6,661	8,253
70-74	10,912	4,355	6,280	10,635	104	173	277	4,459	6,453	4,459	6,453
75-79	7,682	2,650	4,844	7,494	66	122	188	2,716	4,966	2,716	4,966
80-84	5,098	1,396	3,623	5,019	20	59	79	1,416	3,682	1,416	3,682
85+	4,694	971	3,655	4,626	10	58	68	981	3,713	981	3,713
All ages	420,600	194,581	200,563	395,144	12,580	12,883	25,463	207,161	213,446	207,161	213,446

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

OCEAN 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Under 5	27,801	13,471	12,763	26,234	796	771	1,567	14,267	13,534
5-9	25,492	12,368	11,756	24,124	694	674	1,368	13,062	12,430
10-14	26,647	12,949	12,336	25,285	667	695	1,362	13,616	13,031
15-19	27,460	13,189	12,756	25,945	784	731	1,515	13,973	13,487
20-24	28,582	13,788	13,319	27,107	731	744	1,475	14,519	14,063
25-29	29,239	14,294	13,590	27,884	679	676	1,355	14,973	14,266
30-34	27,077	12,855	13,154	26,009	513	555	1,068	13,368	13,709
35-39	27,462	13,009	13,445	26,454	445	563	1,008	13,454	14,008
40-44	26,811	12,623	13,213	25,836	447	528	975	13,070	13,741
45-49	20,635	9,662	10,120	19,782	380	473	853	10,042	10,593
50-54	16,429	7,659	8,094	15,753	331	345	676	7,990	8,439
55-59	16,158	7,238	8,379	15,617	252	289	541	7,490	8,668
60-64	18,608	8,017	10,166	18,183	187	238	425	8,204	10,404
65-69	23,299	9,622	13,328	22,950	145	204	349	9,767	13,532
70-74	25,450	10,462	14,779	25,241	89	120	209	10,551	14,899
75-79	21,706	8,600	12,901	21,501	94	111	205	8,694	13,012
80-84	14,393	5,407	8,889	14,296	43	54	97	5,450	8,943
85+	9,773	3,166	6,541	9,707	25	41	66	3,191	6,582
All ages	413,000	188,379	209,529	397,908	7,302	7,812	15,114	195,681	217,341

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

PASSAIC 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	33,993	13,194	12,487	25,681	4,159	4,153	8,312	17,353	16,640
5-9	31,261	12,433	11,799	24,232	3,539	3,490	7,029	15,972	15,289
10-14	31,199	12,418	11,753	24,171	3,395	3,633	7,028	15,813	15,386
15-19	33,813	12,960	12,837	25,797	3,791	4,225	8,016	16,751	17,062
20-24	38,021	14,694	14,609	29,303	3,799	4,919	8,718	18,493	19,528
25-29	40,294	16,173	15,501	31,674	3,733	4,887	8,620	19,906	20,388
30-34	38,253	15,272	15,687	30,959	3,118	4,176	7,294	18,390	19,863
35-39	34,219	13,949	14,360	28,309	2,584	3,326	5,910	16,533	17,686
40-44	30,742	12,315	13,070	25,385	2,387	2,970	5,357	14,702	16,040
45-49	25,954	10,260	11,199	21,459	2,051	2,444	4,495	12,311	13,643
50-54	22,622	9,157	9,907	19,064	1,685	1,873	3,558	10,842	11,780
55-59	21,975	9,086	10,083	19,169	1,260	1,546	2,806	10,346	11,629
60-64	22,393	9,230	10,869	20,099	964	1,330	2,294	10,194	12,199
65-69	19,833	7,924	10,190	18,114	680	1,039	1,719	8,604	11,229
70-74	14,931	5,650	8,250	13,900	350	681	1,031	6,000	8,931
75-79	11,016	3,655	6,654	10,309	254	453	707	3,909	7,107
80-84	6,883	1,993	4,535	6,528	102	253	355	2,095	4,788
85+	5,842	1,371	4,197	5,568	65	209	274	1,436	4,406
All ages	463,400	181,734	197,987	379,721	37,916	45,607	83,523	219,650	243,594

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

SALEM 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	4,503	1,729	3,577	470	456	926	2,318	2,185		
5-9	4,968	1,889	3,896	546	526	1,072	2,553	2,415		
10-14	4,988	1,909	4,019	507	462	969	2,617	2,371		
15-19	4,839	1,907	3,917	453	469	922	2,463	2,376		
20-24	4,535	1,926	3,821	298	416	714	2,193	2,342		
25-29	5,115	2,204	4,366	308	441	749	2,470	2,645		
30-34	5,138	2,186	4,345	341	452	793	2,500	2,638		
35-39	4,987	2,133	4,286	327	374	701	2,460	2,527		
40-44	4,518	1,984	3,938	245	335	580	2,199	2,319		
45-49	3,697	1,631	3,220	221	256	477	1,810	1,887		
50-54	3,311	1,406	2,864	191	256	447	1,597	1,714		
55-59	3,213	1,314	2,780	192	241	433	1,506	1,707		
60-64	3,280	1,312	2,853	178	249	427	1,490	1,790		
65-69	3,048	1,163	2,649	171	228	399	1,334	1,714		
70-74	2,403	870	2,100	129	174	303	999	1,404		
75-79	1,752	611	1,529	93	130	223	704	1,048		
80-84	1,043	304	902	53	88	141	357	686		
85+	868	204	759	37	72	109	241	627		
All ages	66,300	27,051	55,821	4,760	5,625	10,385	31,811	34,395		

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

SOMERSET 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	14,692	6,538	6,293	12,831	941	920	1,861	7,479	7,213	6,502
5-9	13,303	5,852	5,610	11,462	949	892	1,841	6,801	6,582	6,997
10-14	13,616	5,932	5,719	11,651	1,102	863	1,965	7,034	6,582	6,997
15-19	14,315	6,559	6,210	12,769	759	787	1,546	7,318	6,997	6,997
20-24	16,398	7,553	7,235	14,788	692	918	1,610	8,245	8,153	8,153
25-29	20,038	9,404	8,461	17,865	907	1,266	2,173	10,311	9,727	9,727
30-34	22,134	10,717	9,195	19,912	1,005	1,217	2,222	11,722	10,412	10,412
35-39	20,152	9,043	8,643	17,686	1,127	1,339	2,466	10,170	9,982	9,982
40-44	16,793	7,201	7,529	14,730	1,009	1,054	2,063	8,210	8,583	8,583
45-49	14,571	6,283	6,836	13,119	737	715	1,452	7,020	7,551	7,551
50-54	12,956	5,856	6,136	11,992	501	463	964	6,357	6,599	6,599
55-59	12,525	5,768	5,981	11,749	354	422	776	6,122	6,403	6,403
60-64	11,607	5,399	5,618	11,017	261	329	590	5,660	5,947	5,947
65-69	8,668	3,780	4,471	8,251	214	203	417	3,994	4,674	4,674
70-74	6,331	2,552	3,518	6,070	116	145	261	2,668	3,663	3,663
75-79	4,238	1,432	2,620	4,052	63	123	186	1,495	2,743	2,743
80-84	2,642	745	1,787	2,532	38	72	110	783	1,859	1,859
85+	2,315	493	1,741	2,234	28	53	81	521	1,794	1,794
All ages	227,300	101,107	103,603	204,710	10,803	11,781	22,584	111,910	115,384	115,384

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

SUSSEX 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	11,000	5,581	5,283	10,864	66	70	136	5,647	5,353	4,446
5-9	9,150	4,636	4,375	9,011	68	71	139	4,704	4,651	5,047
10-14	9,638	4,914	4,598	9,512	73	53	126	4,987	5,374	4,586
15-19	10,232	5,097	4,999	10,096	88	48	136	5,185	5,360	4,535
20-24	10,734	5,291	5,325	10,616	69	49	118	4,837	5,556	5,560
25-29	9,423	4,792	4,555	9,347	45	31	76	4,327	4,078	2,831
30-34	8,862	4,290	4,482	8,772	37	53	90	5,171	5,387	2,450
35-39	10,727	5,115	5,482	10,597	56	74	130	5,278	2,077	1,774
40-44	10,947	5,321	5,491	10,812	66	69	135	4,291	2,359	1,416
45-49	8,369	4,242	4,032	8,274	49	46	95	3,035	2,450	2,077
50-54	5,866	3,006	2,806	5,812	29	25	54	2,278	2,359	1,774
55-59	4,919	2,446	2,432	4,878	23	18	41	1,757	854	1,416
60-64	4,637	2,264	2,349	4,613	14	10	24	1,298	1,003	1,003
65-69	3,834	1,755	2,071	3,826	2	6	8	328	1,009	64,105
70-74	3,072	1,293	1,768	3,061	5	6	11	62,400	64,105	64,105
75-79	2,270	853	1,408	2,261	1	8	9	64,105	64,105	64,105
80-84	1,488	484	999	1,483	1	4	5	64,105	64,105	64,105
85+	1,337	326	1,005	1,331	2	4	6	64,105	64,105	64,105
All ages	126,600	61,706	63,460	125,166	694	645	1,339	62,400	64,105	64,105

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

UNION 1988

	TOTAL	WHITE		WHITE NONWHITE		NONWHITE		NONWHITE		TOTAL MALE	TOTAL FEMALE
		MALE	FEMALE	TOTAL	FEMALE	MALE	FEMALE	TOTAL	FEMALE		
Under 5	32,208	11,197	10,590	21,787	5,281	5,140	10,421	16,478	15,730		
5-9	28,765	10,202	9,672	19,874	4,518	4,373	8,891	14,720	14,045		
10-14	30,044	10,515	9,864	20,379	4,914	4,751	9,665	15,429	14,615		
15-19	32,271	11,330	10,996	22,326	4,827	5,118	9,945	16,157	16,114		
20-24	37,122	13,356	13,102	26,458	4,778	5,886	10,664	18,134	18,988		
25-29	41,643	14,790	14,250	29,040	5,594	7,009	12,603	20,384	21,259		
30-34	41,646	14,924	14,520	29,444	5,573	6,629	12,202	20,497	21,149		
35-39	37,747	13,682	13,741	27,423	4,722	5,602	10,324	18,404	19,343		
40-44	34,163	12,233	12,885	25,118	4,219	4,826	9,045	16,452	17,711		
45-49	29,482	10,422	11,477	21,899	3,551	4,032	7,583	13,973	15,509		
50-54	26,538	9,702	10,802	20,504	2,845	3,189	6,034	12,547	13,991		
55-59	27,018	10,248	11,788	22,036	2,325	2,657	4,982	12,573	14,445		
60-64	27,874	10,973	12,979	23,952	1,784	2,138	3,922	12,757	15,117		
65-69	25,584	9,783	12,737	22,520	1,333	1,731	3,064	11,116	14,468		
70-74	19,639	7,194	10,361	17,555	872	1,212	2,084	8,066	11,573		
75-79	13,651	4,488	7,810	12,298	502	851	1,353	4,990	8,661		
80-84	8,017	2,261	4,994	7,255	233	529	762	2,494	5,523		
85+	6,302	1,443	4,248	5,691	149	462	611	1,592	4,710		
All ages	499,700	178,743	196,816	375,559	58,020	66,135	124,155	236,763	262,951		

POPULATION ESTIMATES FOR COMPUTATION OF HEALTH RATES ONLY

WARREN 1988

	TOTAL		WHITE		WHITE NONWHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Under 5	6,401	3,229	3,052	6,281	61	59	120	3,290	3,111	
5-9	5,675	2,860	2,707	5,567	55	53	108	2,915	2,760	
10-14	5,956	2,988	2,836	5,824	60	72	132	3,048	2,908	
15-19	6,781	3,041	3,559	6,600	90	91	181	3,131	3,650	
20-24	6,888	3,283	3,500	6,783	37	68	105	3,320	3,568	
25-29	6,902	3,449	3,373	6,822	46	34	80	3,495	3,407	
30-34	6,831	3,268	3,459	6,727	47	57	104	3,315	3,516	
35-39	6,801	3,271	3,442	6,713	37	51	88	3,308	3,493	
40-44	6,455	3,127	3,224	6,351	43	61	104	3,170	3,285	
45-49	5,207	2,547	2,554	5,101	50	56	106	2,597	2,610	
50-54	4,203	2,031	2,090	4,121	32	50	82	2,063	2,140	
55-59	4,277	2,023	2,204	4,227	23	27	50	2,046	2,231	
60-64	4,327	2,004	2,281	4,285	21	21	42	2,025	2,302	
65-69	3,935	1,685	2,193	3,878	23	34	57	1,708	2,227	
70-74	3,345	1,356	1,959	3,315	6	24	30	1,362	1,983	
75-79	2,393	863	1,504	2,367	10	16	26	873	1,520	
80-84	1,447	457	968	1,425	4	18	22	461	986	
85+	1,182	281	886	1,167	4	11	15	285	897	
All ages	89,000	41,763	45,791	87,554	649	803	1,452	42,412	46,594	

Hospitalization 1987

TAB-M
Hospitalization

Hospitalization 1987

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CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Hospitalization 1987

Overview

All acute care, general and specialty hospitals are required by regulation to submit patient care information annually to the New Jersey Department of Health in hospital discharge abstract form. These data are combined and edited; incomplete or inaccurate records are returned to the hospitals for correction. Processing times required to assemble these data delay the reporting of this information for up to 18 months. The results provided in this section will lag, by one year, other data presented in the Health Statistics report. Data on selected items from the discharge abstracts are presented in this report. Information on other items may be obtained by contacting the Center for Health Statistics. Data for two calendar years are presented for comparison purposes.

Total Discharges

During calendar year 1987, there was a total of 1,310,813 discharges of patients from licensed New Jersey hospitals. This was a slight increase of 2.7% over the number of discharges in 1986. The total number of discharges does not represent an unduplicated count of patients. Patients are sometimes readmitted because of complications that arise after discharge or because of different illnesses. Of the total discharges, 1,093,407 or 83.4% were hospital stays for patients discharged only once during 1987. This was a 42,684 increase (or 4.1%) over 1986. Readmissions associated with a different diagnosis numbered 148,780, or 11.4% of all discharges in 1987, a decrease of 3.2% from 1986. On the other hand, 5.2% or 68,626 cases in 1987 were readmissions with the same principal diagnosis - a decrease of 5.2% from the 1986 level.

Referral Source

The principal source of referral for admission was through direct referral by a physician. This source accounted for 60.7% of all cases in 1987, compared to 59.9% for 1986. The second most frequent referral source was through the emergency room--32.8% for 1987 as compared to 32.0% for 1986.

Admission Class

There was very little change in composition from 1986 to 1987 in Admission Class, the circumstances under which the patient entered the hospital. Emergency and urgent admissions represented 50.2% of total discharges, a decrease from the 51.0% of discharges in this category in 1986. Elective admissions accounted for 43.0% of discharges, compared to 42.9% in 1986.

Sex

Of total discharges during 1987, 41.9% were males and 58.1% were females. The ratio of female to male hospital discharges has always been greater than one

Race

Whites accounted for 72.8% of total discharges, while Black discharges represented 15.9% of the total. Discharges of Hispanics amounted to 6.5% of the total; no other race or ethnic group was represented by more than 1% of the discharges.

Age

A review of the ages of persons discharged from New Jersey hospitals in 1987 indicated that the 5 year old and under group, which includes infants, had the highest percentage (12.5%). A slight but distinct shift toward increasing hospitalizations of older persons from 1986 to 1987 occurred. It should be noted that hospitalizations of females for childbirth have a major impact on the relative frequencies of discharges among persons aged 20 through 40.

Primary Services

The Department of Health has grouped the 99 clinical service classifications reported by hospitals into 10 major primary service categories. This grouping permits comparisons between broad categories, e.g., Medicine, Surgery, Obstetrics. In comparing the 1986 and 1987 data, it appears that the percentages of patients receiving primary services from each of the broad service areas remained basically unchanged. Changes in relative frequencies between the two periods differed by less than two percentage points. Medicine served 43.9% of the discharged patients, followed by Surgery, 21.7% and Obstetrics, 10.6%. Pediatrics served 7.9% of the discharges; Gynecology, 5.0%; Orthopedics, 4.9%; Newborn, 3.4%; Psychiatry, 2.0%; and Dental, 0.6%.

Discharge Status

During 1987, most patients were routinely discharged (91.3%). Transfers to another facility or institution represented 4.7% of discharges and 1.2% left against medical advice. The remaining 2.9% of discharges were reported as expired.

Transfer Destination

Most patients, about 96.0% in 1987, were reported as having no transfer destination. Discharged patients with no transfer destination include those who returned home, as well as those who expired. For those who were transferred, the most frequent transfer destination was a long term care facility (1.5% of discharges), followed by other acute care facilities (1.1% of discharges), and home health agencies (0.5% of discharges). The distribution of transfer destinations for patients discharged in 1987 remained virtually unchanged from the 1986 distribution.

Primary Payor

Almost 60% of the discharges in 1987 had either Blue Cross or Medicare as the primary payor; Blue Cross was the primary payor in 30.4% and Medicare in 29.3% of hospital stays ending in 1987. The percentage of discharges in which each of these was the primary payor declined slightly from 1986 levels, when Blue Cross was the primary payor for 31.4% and Medicare was the primary payor for 29.7% of discharges. The percentage of discharges in which commercial insurance was the primary payor rose from 15.1% in 1986 to 16.1% in 1987, while the percentage of discharges in which the patient was the primary payor also rose over the year from 8.7% to 9.3%. Medicaid was the primary payor in 8.8% of 1986 and 8.5% of 1987 discharges.

Principal Causes for Hospitalization

In 1987 the four most frequent principal causes for hospitalization were single live births (108,786 discharges), cataract (26,151 discharges), delivery in a normal case (25,006 discharges), and other acute and subacute forms of ischemic heart disease (23,974 discharges). The fifth and sixth causes were heart failure (22,863) and other and unspecified after care (21,161). Acute myocardial infarction was in seventh place in 1987. Inguinal Hernia (17,678) ranked in eighth position. All of the ten leading principal causes for hospitalization in 1986 were among the ten leading principal causes in 1987.

TABLE-1
DISCHARGE ABSTRACT
STATEWIDE ABSOLUTE AND RELATIVE VALUES
NEW JERSEY 1987

	<u>ABSOLUTE FREQUENCY</u>	<u>RELATIVE FREQUENCY</u>	<u>AGE GROUPS</u>	<u>ABSOLUTE FREQUENCY</u>	<u>RELATIVE FREQUENCY</u>
TOTAL DISCHARGES	1,310,813	100.00	Under 5	1,310,813	100.00
READMISSIONS			5-9	164,037	12.51
Total Discharges	1,310,813	100.00	10-14	20,743	1.58
One Admission	1,093,407	83.41	15-19	19,047	1.45
Readmission	148,780	11.35	20-24	55,955	4.27
Readmiss-Same DXI	68,626	5.24	25-29	85,745	6.54
			30-34	108,973	8.31
			35-39	99,022	7.55
TOTAL PATIENT DAYS	8,336,108	100.00	40-44	73,648	5.62
Acute Care Unit Days	6,989,571	83.85	45-49	62,372	4.76
			50-54	55,811	4.26
			55-59	57,731	4.40
ADMISSION CLASS	1,310,813	100.00	60-64	69,133	5.27
Emergency & Urgent	657,609	50.17	65-69	82,313	6.28
Elective	563,084	42.96	70-74	88,883	6.78
Other	90,120	6.88	75-79	87,579	6.68
			80-84	76,015	5.80
SEX	1,310,813	100.00	85+	54,926	4.19
Male	549,440	41.92		48,880	3.73
Female	761,373	58.08			
RACE	1,310,813	100.00	TRANSFER DESTINATION	1,310,813	100.00
White	953,732	72.76	Other Acute Care	14,737	1.12
Black	208,427	15.90	Long Term Care	20,162	1.54
Asian	11,373	0.87	Home Health Agency	6,564	0.50
American Indian	1,543	0.12	Rehabilitation	3,780	0.29
Hispanic	84,497	6.45	Psychiatric	4,332	0.33
Other	51,241	3.91	Intermediate Care	2,534	0.19
			Other	1,258,686	96.02

TABLE - 1 (Continued)

PRIMARY SERVICE	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY	PRIMARY PAYOR	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY
Medicine	1,310,792	100.00	Self-Pay.	1,247,625	100.00
Surgery	575,585	43.91	Blue Cross	115,803	9.28
Obstetrics	284,498	21.70	Commercial	379,494	30.42
Gynecology	138,238	10.55	Workmen's Comp.	200,509	16.07
Pediatrics	65,313	4.98	Medicaid	20,284	1.63
Newborn	103,774	7.92	Medicare	106,179	8.51
Psychiatric	44,694	3.41	Title V	365,927	29.33
Orthopedics	26,152	2.00	Other Government	538	0.04
Dental	64,417	4.91	No Charge	14,020	1.12
Invalid	8,121	0.62	Other	15,767	1.26
	0	0.00		29,104	2.33
REFERRAL SOURCE	1,310,813	100.00	DISCHARGE STATUS	1,310,813	100.00
Thru Emergency Room	430,300	32.83	Routine	1,196,479	91.28
Private Physician	795,165	60.66	Against Medical Advice	15,909	1.21
Outpatient	32,760	2.50	Transfer	60,942	4.65
Other Acute Care	14,170	1.08	Expired - No Autopsy	35,850	2.73
Long Term Care	10,487	0.80	Expired - Autopsy	1,633	0.12
Rehabilitation	498	0.04			
Home Health Agency	1,171	0.09			
Intermediate Care	10	0.00			
Other	26,252	2.00			
PROCEDURES					
TOTAL	2,344,052	100.00			
SURGICAL	1,385,269	59.10			
NON-INVASIVE	958,783	40.90			

TABLE-2
DISCHARGE ABSTRACT
STATEWIDE ABSOLUTE AND RELATIVE VALUES
NEW JERSEY 1986

	<u>ABSOLUTE FREQUENCY</u>	<u>RELATIVE FREQUENCY</u>	<u>AGE GROUPS</u>	<u>ABSOLUTE FREQUENCY</u>	<u>RELATIVE FREQUENCY</u>
TOTAL DISCHARGES	1,276,785	100.00	Under 5	1,276,785	100.00
READMISSIONS			5-9	157,024	12.30
Total Discharges	1,276,785	100.00	10-14	20,919	1.64
One Admission	1,050,723	82.29	15-19	19,793	1.55
Readmission	153,697	12.04	20-24	55,953	4.38
Readmiss-Same DXI	72,365	5.67	25-29	86,363	6.76
			30-34	106,079	8.31
TOTAL PATIENT DAYS	8,167,711	100.00	35-39	93,997	7.36
Acute Care Unit Days	7,173,893	87.83	40-44	73,133	5.73
			45-49	58,886	4.61
ADMISSION CLASS			50-54	53,459	4.19
Emergency & Urgent	1,276,785	100.00	55-59	57,408	4.50
Elective	651,060	50.99	60-64	69,321	5.43
Other	547,567	42.89	65-69	81,019	6.35
	78,158	6.12	70-74	86,313	6.76
SEX			75-79	83,382	6.53
Male	1,276,785	100.00	80-84	73,297	5.74
Female	535,085	41.91	85+	53,222	4.17
	741,700	58.09		47,217	3.70
RACE			TRANSFER DESTINATION		
White	1,276,785	100.00	Other Acute Care	1,276,785	100.00
Black	953,107	74.65	Long Term Care	14,018	1.10
Asian	193,577	15.16	Home Health Agency	19,481	1.53
American Indian	9,690	0.76	Rehabilitation	6,527	0.51
Hispanic	1,149	0.09	Psychiatric	3,368	0.26
Other	83,514	6.54	Intermediate Care	4,433	0.35
	35,748	2.80	Other	2,612	0.20
				1,226,327	96.05

TABLE-2 (Continued)

PRIMARY SERVICE	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY	PRIMARY PAYOR	ABSOLUTE FREQUENCY	RELATIVE FREQUENCY
Medicine	1,276,729	100.00	Self-Pay	1,276,785	100.00
Surgery	575,688	45.09	Blue Cross	107,136	8.74
Obstetrics	281,785	22.07	Commercial	384,812	31.40
Gynecology	125,311	9.82	Workmen's Comp.	184,918	15.09
Pediatrics	62,833	4.92	Medicaid	20,700	1.69
Newborn	98,213	7.69	Medicare	108,166	8.83
Psychiatric	38,296	3.00	Title V	363,673	29.68
Orthopedics	23,960	1.88	Other Government	613	0.05
Dental	64,138	5.02	No Charge	13,570	1.11
Invalid	6,505	0.51	Other	13,118	1.00
	0	0.00		28,654	2.34
REFERRAL SOURCE			DISCHARGE STATUS		
Thru Emergency Room	1,276,785	100.00	Routine	1,276,785	100.00
Private Physician	408,609	32.00	Against Medical Advice	1,167,875	91.47
Outpatient	765,096	59.92	Transfer	15,182	1.19
Other Acute Care	30,255	2.37	Expired - No Autopsy	56,568	4.43
Long Term Care	9,325	0.73	Expired - Autopsy	35,211	2.76
Rehabilitation	11,102	0.87		1,949	0.15
Home Health Agency	595	0.05			
Intermediate Care	1,237	0.10			
Other	10	0.00			
	50,556	3.96			
PROCEDURES					
TOTAL	2,261,810	100.00			
SURGICAL	1,330,571	58.83			
NON-INVASIVE	931,239	41.17			

Discharges

TABLE-3

THE FORTY MOST FREQUENT PRINCIPAL CAUSES FOR HOSPITALIZATION
NEW JERSEY, 1986-1987

ICD CODE	PRINCIPAL CAUSE	TOTAL	
		1986	1987
V30	Single Liveborn	102,440	108,786
366	Cataract	24,711	26,151
650	Delivery in a Normal Case	25,256	25,006
411	Other Acute and Subacute Forms of Ischemic Heart Disease	22,792	23,974
428	Heart Failure	22,491	22,863
V58	Other and Unspecified After Care	18,986	21,161
410	Acute Myocardial Infarction	17,764	17,835
550	Inguinal Hernia	17,278	17,678
486	Pneumonia, Organism Unspecified	16,297	17,210
493	Asthma	16,201	15,638
427	Cardiac Dysrhythmias	15,165	15,410
574	Cholelithiasis	14,370	15,098
780	General Symptoms	15,171	14,616
414	Other Forms of Chronic Ischemic Heart Disease	11,861	14,405
786	Symptoms Involving Respiratory System & Chest Symptoms	13,094	13,482
250	Diabetes Mellitus	11,834	12,417
664	Trauma to Perineum and Vulva During Delivery	10,981	12,126
558	Other Noninfectious Gastroenteritis and Colitis	11,882	11,987
600	Hyperplasia of Prostate	10,690	11,446
654	Abnormality of Organs and Soft Tissues of Pelvis	10,508	11,363
634	Spontaneous Abortion	10,457	10,721
303	Alcohol Dependence Syndrome	10,484	10,662
644	Early or Threatened Labor	9,166	10,351
592	Calculus of Kidney and Ureter	9,949	10,342
626	Disorders of Menstruation & Other Abnormal Bleeding	11,270	10,314
722	Intervertebral Disc Disorders	10,298	10,282
434	Occlusion of Cerebral Arteries	9,067	9,796
635	Legally Induced Abortion	10,286	9,707
850	Concussion	10,213	9,538
599	Other Disorders of Urethra and Urinary Tract	8,337	9,265
663	Umbilical Cord Complications	8,081	9,262
474	Chronic Disease of Tonsils and Adenoids	9,542	9,224
682	Other Cellulitis and Abscess	8,238	9,106
296	Affective Psychoses	8,210	9,030
656	Other Fetal and Placental Problems Affecting Mgt of Mother	8,697	8,702
466	Acute Bronchitis and Bronchiolitis	8,575	8,456
218	Uterine Leiomyoma	8,278	8,423
V25	Contraceptive Management	9,578	8,377
295	Schizophrenic Disorders	8,000	8,132
276	Disorders of Fluid, Electrolyte, and Acid-Base Balance	7,886	8,115

Suicides

1988

**TAB-N
Suicides**

**CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH**

SUICIDES
1988
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Suicides

1988

BACKGROUND

Durkheim (1951) was the first social researcher to do an in-depth study of social factors which affect the risk of suicide. He observed that suicide rates were higher among Protestants than Catholics, higher among the divorced than among the married, and higher during periods of political lethargy than during crisis. Later Dublin (1963) pointed out that older white males, urban dwellers, and the divorced and widowed had markedly elevated risks of suicide. In Dublin's words: "We have seen that certain environmental factors - economic conditions, city life, religious affiliations, social customs, and laws and traditions - influence the prevalence of suicide. It also differs markedly in various groups of the world's population with relatively high rates in some areas, low rates in others, and striking differences in the two sexes, in the several age periods, and in the principal races into which mankind is divided."

New Jersey had the lowest suicide rate of any state in the nation in 1980 according to the Centers for Disease Control Suicide Surveillance report issued in March, 1985, 7.4* suicide deaths per 100,000 population. New Jersey's rate is in sharp contrast to Nevada's suicide death rate of 22.9 per 100,000 population, the highest in the country. Using New Jersey's official statistics, the suicide death rate was 7.8 per 100,000 population in 1980 and 7.9 in 1988, an increase of 1.3 percent in the nine year period.

The New Jersey Adolescent Suicide Prevention Project, established through state legislation, continues to be available to offer consultation, training, and information about adolescent suicide prevention in New Jersey. Information on services available may be obtained from:

Maureen Underwood
Coordinator
Adolescent Suicide Prevention Project
Division of Mental Health and Hospitals
Department of Human Services
CN 700
Trenton, New Jersey 08625-0700
(609) 777-0717

*New Jersey official statistics show a suicide rate of 7.8 per 100,000 population in 1980.

INTRODUCTION

Suicide is a serious public health problem, but less so in New Jersey than nationally. In 1980, suicide ranked 13th as a cause of death among New Jersey residents of all ages, yet was the 10th leading cause of death in the country as a whole. In 1988, suicide continued to rank as the 13th leading cause of death among New Jersey residents and, provisionally, had increased to the 8th leading cause nationally. New Jersey's crude suicide death rate per 100,000 residents rose from 7.8 to 7.9 between 1980 and 1988, but New Jersey's suicide rate was far below the provisional U.S. rate in 1988, which was 12.3 per 100,000 persons (Figure 1 and Table 2).

While suicide is a concern in every age group beyond the age of one, its rank as a leading cause of death is highest among New Jerseyans aged 15 through 24, where it was the third leading cause of death in 1988. The rank of suicide as a leading cause of death decreased directly with increasing age after the age of 24; in the age group 65 years and over, it ranked as the 17th leading cause of death in 1988 (Table 1).

White males consistently have the highest suicide rates of any race and sex category (Figure 2 and Table 3). In 1988, the New Jersey suicide rate among white males was 13.9 per 100,000 white males. Nonwhite males had the second highest rate (7.6 per 100,000), followed by white females (3.9 per 100,000) and nonwhite females (1.4 per 100,000). The death rate from suicide rose among both white and nonwhite females over the period from 1980 through 1988 while decreasing slightly among both male racial groups.

TABLE-1

SUICIDE AS A LEADING CAUSE OF DEATH
BY AGE GROUP FOR NEW JERSEY RESIDENTS
1988

AGE GROUP

RANK	1-14	15-24	25-44	45-64	65+	TOTAL *
1	Accidents 155	Accidents 408	AIDS/HIV Infection 919	Malignant Neoplasms 4,906	Heart Diseases 22,669	Heart Diseases 27,339
2	Malignant Neoplasms 58	Homicide 124	Accidents 764	Heart Diseases 4,063	Malignant Neoplasms 11,401	Malignant Neoplasms 17,073
3	Congenital Anomalies 44	Suicide 108	Malignant Neoplasms 647	Cerebrovascular Diseases 521	Cerebrovascular Diseases 3,579	Cerebrovascular Diseases 4,261
4	Homicide 25	Malignant Neoplasms 55	Heart Diseases 527	Chronic liver Diseases and Cirrhosis 417	Pneumonia and Influenza 2,097	Pneumonia and Influenza 2,469
5	Heart Diseases 18	Heart Diseases 35	Suicide 234	Accidents 360	Diabetes 1,108	Accidents 2,308
6	AIDS/HIV Infection 16	AIDS/HIV Infection 28	Homicide 219	Diabetes 326	Septicemia 969	Diabetes 1,507
7	Cerebrovascular Diseases 7	Pneumonia and Influenza 15	Chronic liver Diseases and Cirrhosis 205	Pneumonia and Influenza 218	Nephritis and Nephrosis 711	Septicemia 1,216
8	Meningitis 7	Congenital Anomalies 13	Cerebrovascular Diseases 143	AIDS/HIV Infection 204	Accidents 604	AIDS/HIV Infection 1,212
9	Pneumonia and Influenza 7	Asthma 9	Pneumonia and Influenza 113	Septicemia 157	Arteries Arterioles and Capillaries 602	Chronic liver Diseases and Cirrhosis 1,015
10	Septicemia 7	Cerebrovascular Diseases 9	Diabetes 64	Suicide 138	Atherosclerosis 557	Nephritis and Nephrosis 892
11	Asthma 5	Diabetes 7	Septicemia 64	Nephritis and Nephrosis 120	Chronic liver Diseases and Cirrhosis 391	Arteries Arterioles and Capillaries 732
12	Suicide 4	Complication of Pregnancy/ Septicemia 4	Nephritis and Nephrosis 45	Arteries Arterioles and Capillaries 107	Emphysema 384	Early Infant Mortality 616
Residual **	94	138	888	1,720	6,938	12,048
Total Deaths	447	957	4,832	13,257	52,010	72,688

* Includes persons <1 year of age and persons of unknown age.

** Deaths from all other causes.

NOTE: 1) Suicides are the 17th ranking cause of death among those persons aged 65 and above with 129 deaths from suicide in that age group.

2) Suicides are the 13th ranking cause of death among all age groups combined.

3) HIV refers to Human Immunodeficiency Virus.

TABLE-2

NUMBER OF DEATHS FROM SUICIDE AMONG NEW JERSEY RESIDENTS
AND SUICIDE RATES* FOR NEW JERSEY AND THE UNITED STATES
1980 - 1988

Year	NEW JERSEY		UNITED STATES
	Number	Rate	RATE
1980	576	7.8	11.9
1981	554	7.4	12.3
1982	605	8.1	12.0
1983	572	7.7	12.4
1984	650	8.6	12.3
1985	672	8.9	12.3
1986	662	8.7	12.8
1987	710	9.3	12.7
1988	613	7.9	12.3 (P)

* Rate per 100,000 population.

(P) Provisional

FIGURE 1. DEATH RATES FROM SUICIDE
NEW JERSEY & THE UNITED STATES, 1980-88

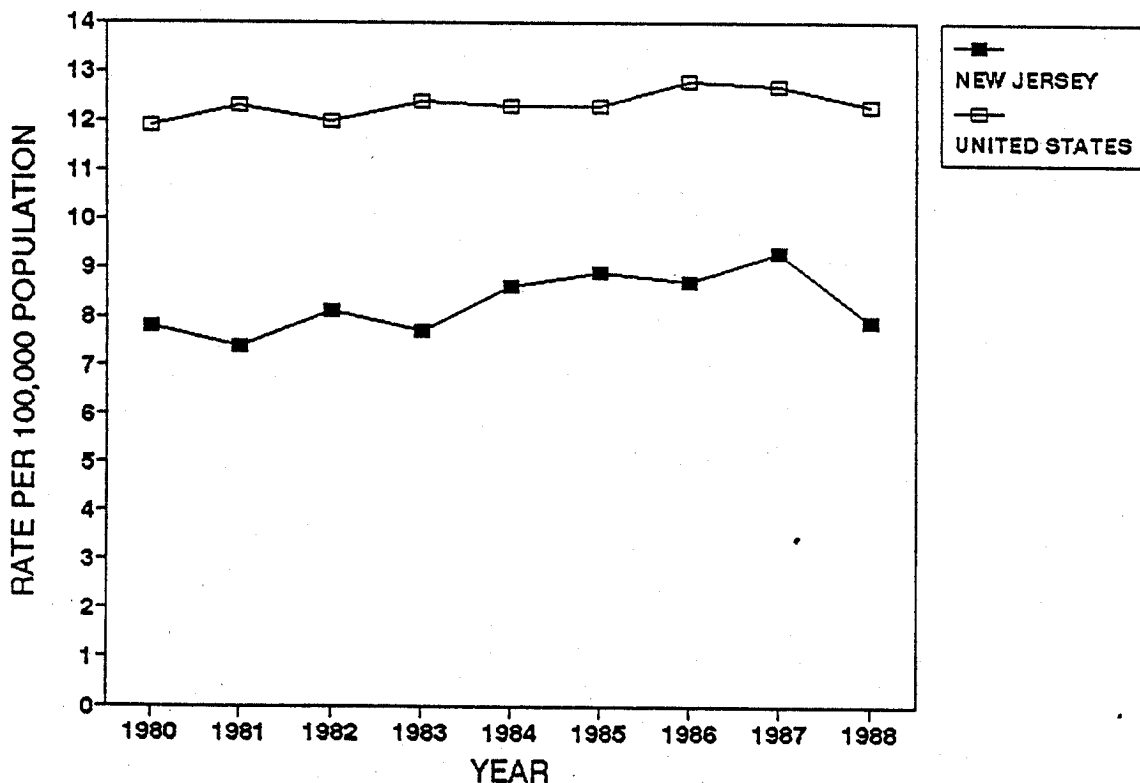


TABLE-3

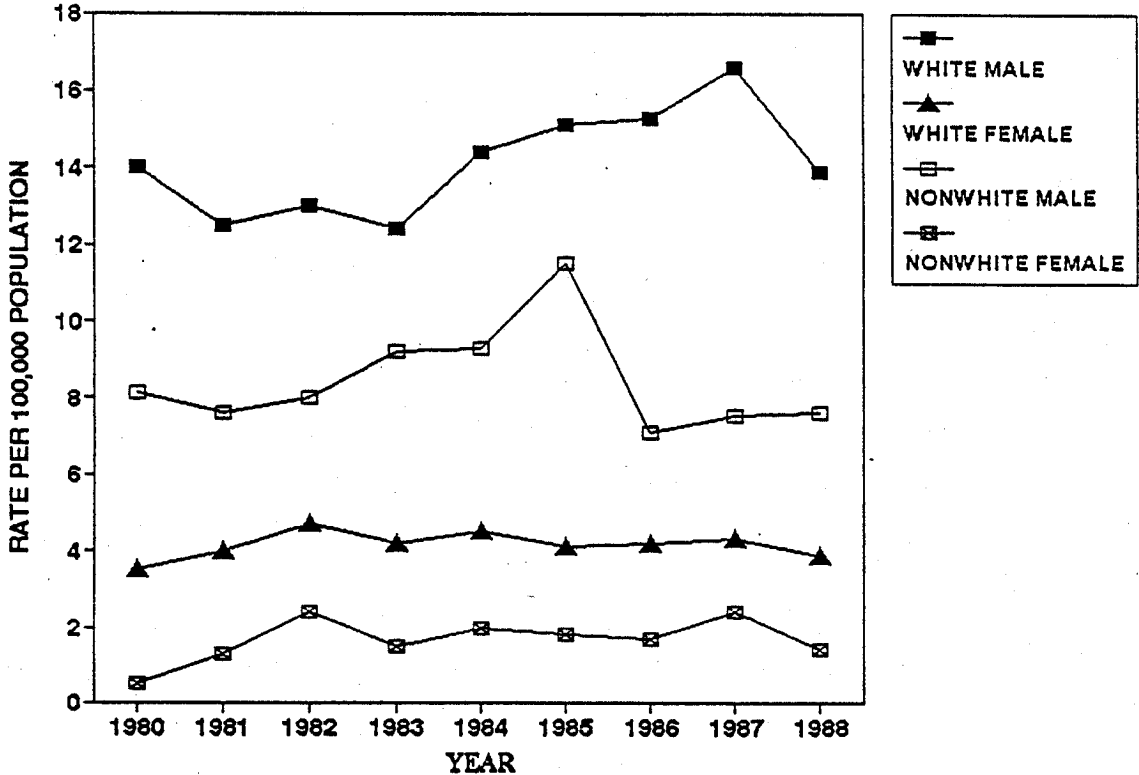
NUMBER AND RATE* OF DEATHS FROM SUICIDE
FOR NEW JERSEY RESIDENTS
1980 - 1988

YEAR	WHITE				NONWHITE				TOTAL			
	Male		Female		Male		Female		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1980	413	14.0	111	3.5	47	8.1	3	0.5	461**	13.0	115**	3.0
1981	374	12.5	130	4.0	42	7.6	8	1.3	416	11.7	138	3.6
1982	394	13.0	154	4.7	42	8.0	14	2.4	437**	12.3	168	4.4
1983	376	12.4	137	4.2	50	9.2	9	1.5	426	11.9	146	3.8
1984	437	14.4	147	4.5	52	9.3	13	2.0	489	13.6	160	4.1
1985	460	15.1	133	4.1	67	11.5	12	1.8	527	14.5	145	3.7
1986	467	15.3	139	4.2	43	7.1	12	1.7	510	14.0	151**	3.8
1987	506	16.6	140	4.3	47	7.5	17	2.4	553	15.0	157	3.9
1988	425	13.9	127	3.9	49	7.6	10	1.4	474	12.8	137	3.4

* Rate per 100,000 population.

** In 1980 there were two suicide deaths of unknown race, one male and one female; in 1982 there was one male death of unknown race and in 1986 there was one female death of unknown race. In 1988, there were two suicide deaths of persons of races other than white or black and of unknown sex.

FIGURE 2. SUICIDE RATES BY RACE AND SEX
NEW JERSEY RESIDENTS, 1980-1988



TRENDS BY AGE

With the exception of the 45 through 64 age group, suicide death rates tended to increase directly with age during the 1980s (Figure 3 and Table 4). Suicide rates among 45 through 64 year old persons have been lower than the rates of persons 25 through 44 years of age in most years since 1980. In 1988, the suicide death rate for New Jerseyans aged 65 and over was 12.8 per 100,000, a decrease from an exceptionally high rate in 1987 (17.7 per 100,000). In each year of the past decade, the population 65 years of age and over has experienced higher suicide death rates than any other age group. Grollman (1971) has reported that the elderly commit suicide the most of any age group, but attempt suicide the least. According to Busse and Pfeiffer (1969) the impact of retirement, especially for men, of physical decline, or somatic illness are among the possible reasons why older people take their lives. Loss of a mate is known to increase the risk of suicide (Parkes, 1969; MacMahon and Pugh, 1965) and cancer diagnosis may as much as double the risk (Marshall, J.R., 1983). Of the 129 suicide deaths in 1988 among New Jerseyans aged 65 and over, 94 or 72.9 percent were white males. Methods of lethality used by white males 65 years and over were firearms (39 deaths or 41.5 percent) and hanging (23 deaths or 24.5 percent).

Nationally, suicides at young ages were of such concern that one of the nation's health objectives for 1990 stated, "By 1990, the rate of suicide among people 15 to 24 should be below 11 per 100,000". The rate of suicide deaths in New Jerseyans aged 15 through 24 has been below the national objective throughout the decade of the 1980s, but increased in 1988 to its highest level since 1984 (Table 4).

During the period 1980 through 1988, the number of suicide deaths among New Jersey residents under the age of 20 reached a peak of 55 in 1985 (Table 5). Since that time, the number of suicide deaths among the young has declined; in 1988 the number of suicide deaths to persons under the age of 20 was 36. The number of young suicide deaths in 1988 was the smallest count since 1983. The median age of teenage suicide deaths has fluctuated over the past nine years. In the 1984 through 1986 period, higher numbers of younger teen suicides resulted in a median age of 17.6 or 17.7. In more recent years, the median age of teenage suicides has been more than eighteen years, as was the case in the early part of the decade. In 1988 the New Jersey suicide death rates for persons aged 5 through 14 and 15 through 24 were 0.4 and 9.3 per 100,000 population, respectively.

Median ages for persons who died of suicide during 1980 through 1988 are provided in Table 6 by race/sex group. Males tended to commit suicide at younger ages than females. Nonwhites tended to show less age differential based on sex than whites and tended to commit suicide at younger ages than whites of the same sex. Distribution of 1988 suicide deaths by age and race/sex group is given in Table 7.

TABLE-4A

NUMBER OF SUICIDE DEATHS BY AGE GROUP
NEW JERSEY, 1980-1988

YEAR	TOTAL	AGE GROUP					MEDIAN AGE
		5-14	15-24	25-44	45-64	65+	
1980	576	3	131	173	162	107	42.8
1981	552	7	92	207	138	108	42.1
1982	605	3	111	227	160	102	41.6
1983	572	2	97	214	145	114	42.5
1984	650	5	115	242	175	112	41.9
1985	672	9	110	259	171	123	41.8
1986	662	9	102	262	160	127	41.8*
1987	710	1	97	263	173	176	44.5
1988	613	4	108	234	138	129	41.6

* There were two suicide deaths of unknown age in 1986.

TABLE-4B

SUICIDE DEATH RATES PER 100,000 POPULATION
NEW JERSEY, 1980-1988

YEAR	TOTAL	AGE GROUP				
		5-14	15-24	25-44	45-64	65+
1980	7.8	0.3	10.2	8.6	10.0	12.4
1981	7.4	0.6	7.3	10.0	8.6	12.3
1982	8.1	0.3	8.9	10.7	10.0	11.4
1983	7.7	0.2	7.9	9.8	9.0	12.3
1984	8.6	0.5	9.5	10.8	10.9	11.9
1985	8.9	0.9	9.1	11.3	10.7	12.9
1986	8.7	0.9	8.6	11.2	10.0	12.9
1987	9.3	0.1	8.2	11.0	10.8	17.7
1988	7.9	0.4	9.3	9.6	8.6	12.8

**FIGURE 3. SUICIDE RATES BY AGE GROUP
NEW JERSEY, 1980-1988**

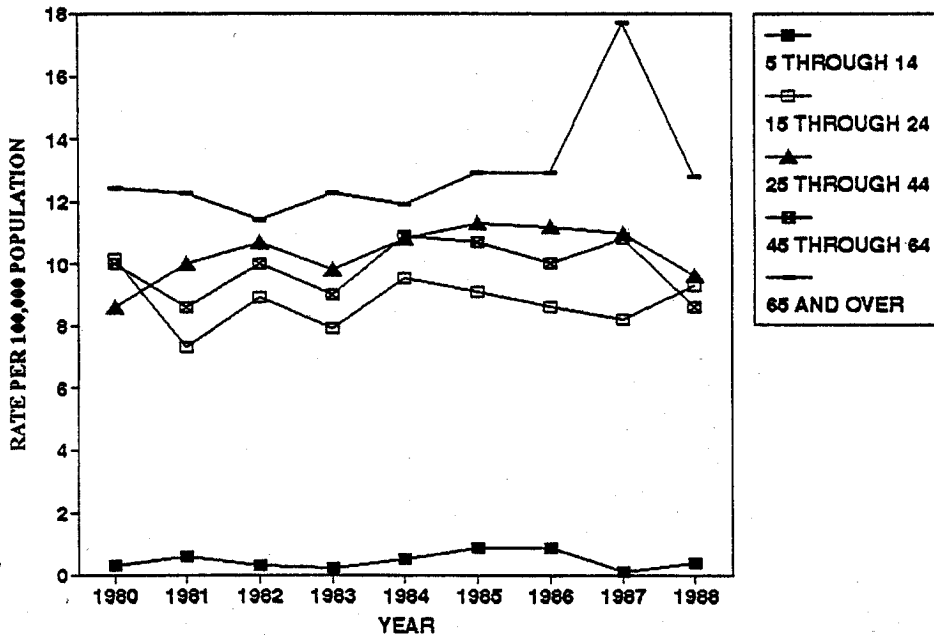


TABLE-5

SUICIDE DEATHS UNDER 25 YEARS OF AGE
NEW JERSEY RESIDENTS
1980-1988

YEAR	AGE GROUP										Median Age Among Adolescents*
	<13	13	14	15	16	17	18	19	<20	20-24	
1980	0	1	2	4	5	6	10	17	45	89	18.5
1981	3	1	3	1	5	4	6	14	37	62	18.5
1982	1	0	2	3	6	9	10	13	44	70	18.2
1983	1	0	1	0	6	6	10	12	36	63	18.5
1984	1	1	3	4	9	10	10	9	47	73	17.6
1985	3	0	6	9	4	10	12	11	55	64	17.7
1986	4	0	5	2	9	10	9	9	48	63	17.6
1987	0	0	1	4	8	5	9	10	37	61	18.1
1988	2	1	1	1	7	3	11	10	36	76	18.4

* Adolescents are those who had passed their 13th but not their 20th birthdays at the time of death.

TABLE-6

MEDIAN AGE AT DEATH FROM SUICIDE BY RACE AND SEX
NEW JERSEY RESIDENTS
1980 - 1988

YEAR	WHITE		NONWHITE		TOTAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
1980	40.8	51.7	37.1	55.0	40.3	52.0
1981	41.5	47.3	35.6	36.4	40.8	45.8
1982	40.7	47.3	34.5	37.0	40.0	45.9
1983	42.0	48.7	34.1	35.0	41.0	48.0
1984	40.5	51.1	34.5	35.0	39.8	49.9
1985	42.5	44.8	33.7	38.3	41.1	44.1
1986	40.4	49.3	38.5	38.3	40.2	48.4
1987	44.6	49.5	35.9	40.5	42.3	48.1
1988	42.1	47.1	33.1	33.6	40.8	44.8

TABLE-7

AGE AT DEATH FROM SUICIDE AND MEDIAN AGE AT TIME OF SUICIDE
NEW JERSEY RESIDENTS, 1988

RACE/SEX GROUP*	AGE GROUP							TOTAL	MEDIAN AGE
	<5	5-14	15-24	25-44	45-64	65+			
White Males	0	4	74	157	96	94	425	42.1	
White Females	0	0	18	42	34	33	127	47.1	
Nonwhite Males	0	0	14	26	7	2	49	33.1	
Nonwhite Females	0	0	2	7	1	0	10	33.6	

* Two deaths of persons of races other than white or black in the 25 through 44 age group for whom sex was not stated were not included in this table.

METHODS OF LETHALITY

The method of injury is shown in Table 8 for the period 1985 through 1988. In 1988, the most frequently employed methods of suicide were (1) firearms (33.3 percent of suicides) and (2) hanging, strangulation and suffocation (29.5 percent of suicides). Poisonings of all types ranked third as a means of suicide (23.6 percent in combined poisoning categories). The ranking of major methods of lethality was identical throughout the period, with the exception of 1987. An unusually large number of self-inflicted poisonings by carbon monoxide or other gases occurred in 1987, which created a tie between total poisonings and firearms as the leading methods used in committing suicide in that year. Suicides using solid or liquid poisons showed an upward trend during the 1985 through 1988 period, while, with the exception of 1987, self-inflicted poisonings by carbon monoxide and other gases trended downward over the period.

The distribution of methods of suicide by race/sex group is provided in Table 9 for 1988 suicide deaths. White males who committed suicide used firearms more frequently than any other method. The next most frequent method used by white males was hanging, strangulation, or suffocation. Among nonwhite males, the death rate from hanging, strangulation, or suffocation was highest, followed by the rate from the use of firearms. White females were more likely to commit suicide by use of solid or liquid poisons than any other method. The number of nonwhite female suicide deaths was so small (10) that no clear pattern emerges in terms of frequency of suicide method.

The percentage of teenage suicides who used firearms to commit suicide in 1988 was 39.5; this was greater than the 33.3 percent of total suicides affected through the use of firearms. The percentage of teenagers who committed suicide through hanging, strangulation or suffocation was also higher than in all suicides - 32.6 percent versus 29.5 percent. Teenagers who committed suicide in 1988 were less likely than the total group to commit suicide by using a solid or liquid poison.

TABLE-8

NUMBER AND PERCENT OF DEATHS FROM SUICIDE ACCORDING TO METHOD OF INJURY
NEW JERSEY RESIDENTS
1985 - 1988

METHOD OF INJURY (ICD-9 CODES)	YEAR							
	1985		1986		1987		1988	
	No.	%	No.	%	No.	%	No.	%
Poisoning by solid or liquid substance (E950)	78	11.3	86	13.0	113	15.9	83	13.5
Poisoning by carbon monoxide and other gases (E951, E951)	80	11.6	73	11.0	112	15.8	62	10.1
Hanging, strangulation and suffocation (E953)	196	28.4	200	30.2	181	25.5	181	29.5
Drowning (E954)	30	4.4	15	2.3	15	2.1	11	1.8
Firearms and explosives (E955)	220	31.9	219	33.1	225	31.7	204	33.3
Cutting and piercing instruments (E956)	15	2.2	13	1.9	12	1.7	24	3.9
Jumping from high place (E957)	42	6.1	25	3.8	41	5.8	20	3.3
Other and unspecified means (E958)	26	3.8	31	4.7	11	1.5	28	4.6
Late effects (E959)	2	0.3	0	0.0	0	0.0	0	0.0
Total	689	100.0	662	100.0	710	100.0	613	100.0

TABLE-9

NUMBER AND RATE* OF DEATHS FROM SUICIDE ACCORDING TO METHOD OF INJURY, BY RACE AND SEX
NEW JERSEY RESIDENTS
1988

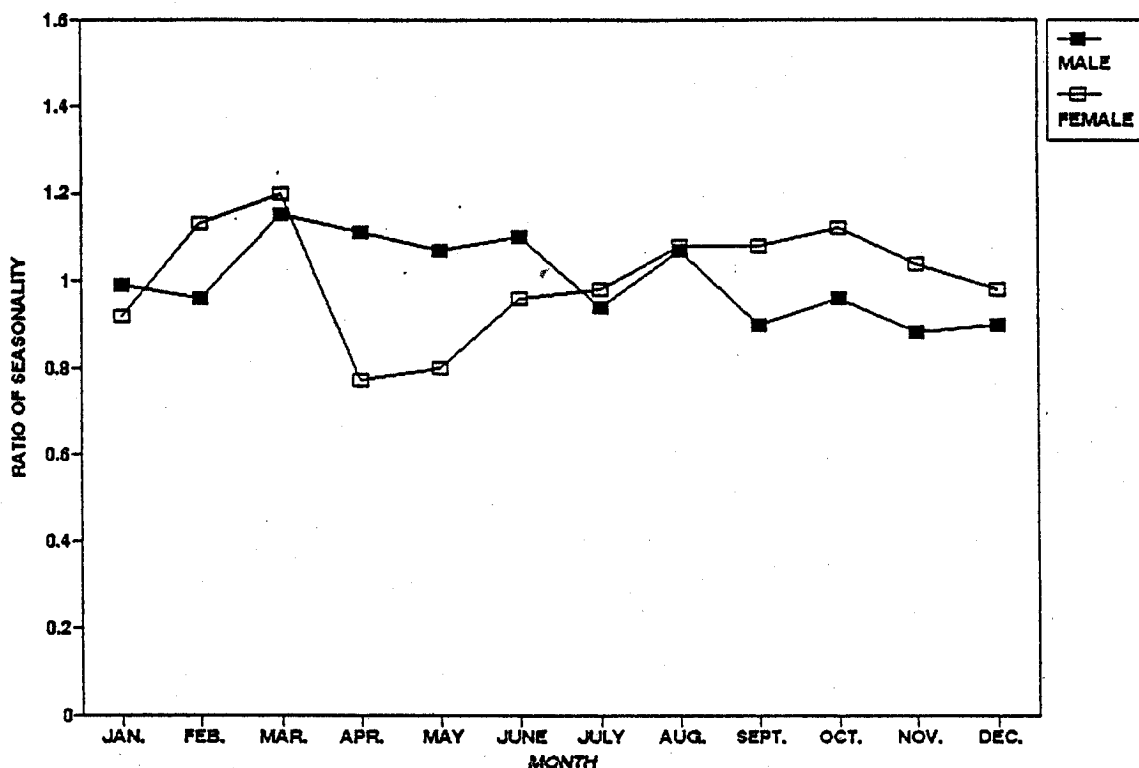
METHOD OF INJURY (ICD-9 CODES)	TOTAL						WHITE						NONWHITE					
	No.		Rate		Total		Male		Female		Total		Male		Female			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
Total	613	7.9	552	8.7	425	13.9	127	3.9	61	4.4	49	7.6	10	1.4				
Poisoning by solid or liquid substance (E950)	83	1.1	80	1.3	35	1.1	45	1.4	3	0.2	1	0.2	2	0.3				
Poisoning by carbon monoxide and other gases (E951, E952)	62	0.8	59	0.9	43	1.4	16	0.5	3	0.2	3	0.5	0	0.0				
Hanging, strangulation and suffocation (E953)	181	2.3	157	2.5	121	4.0	36	1.1	24	1.7	22	3.4	2	0.3				
Drowning (E954)	11	0.1	11	0.2	4	0.1	7	0.2	0	0.0	0	0.0	0	0.0				
Firearms and explosives (E955)*	204	2.6	186	2.9	174	5.7	12	0.4	18	1.3	15	2.3	2	0.3				
Cutting and piercing instruments (E956)	24	0.3	22	0.3	17	0.6	5	0.2	2	0.1	2	0.3	0	0.0				
Jumping from high place (E957)	20	0.3	16	0.3	13	0.4	3	0.1	4	0.3	3	0.5	1	0.1				
Other and unspecified means (E958)*	28	0.4	21	0.3	18	0.6	3	0.1	7	0.5	3	0.5	3	0.4				
Late effects (E959)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				

* One suicide in this classification was included in the total nonwhite race columns, but, because sex was unstated, it is not included in the sex breakdown.

SEASONALITY

During the period 1985 through 1988, the number of suicide deaths varied by month, as shown in Table 10. This is true for both male and female suicide deaths. A ratio of seasonality was used to compare the actual number of suicides in each month to the expected number, adjusted for the number of days in the month. The variation by month in the seasonality ratios is shown in Figure 4. During the four year period, both male and female suicide deaths exceeded the expected number by the largest factor in March. Male suicides were highest relative to the expected numbers during March through June and in August, while female seasonality ratios were high in February and March and in August through November.

**FIGURE 4. SUICIDE SEASONALITY BY SEX
NEW JERSEY RESIDENTS, 1985-1988**



RESIDENCE

Resident suicide deaths in 1988 are distributed in Table 11 by age and sex for New Jersey counties and principal municipalities. Table 12 presents the number and rate of suicide deaths for these areas. The counties with the highest suicide rates in 1988 were Hunterdon, with a rate of 12.9 per 100,000 population, and Warren, with a rate of 12.4 per 100,000. Counties with the lowest rates in 1988 were Monmouth (6.1 per 100,000) and Passaic (6.5 per 100,000). The rates of change between the number of suicide deaths in 1980 and 1988 are also provided in Table 12; caution should be exercised in evaluating the percentages of change, as the number of suicide deaths in any year by place is small and may fluctuate considerably from year to year.

TABLE-10

NUMBER OF SUICIDES BY MONTH OF OCCURRENCE AND SEX
NEW JERSEY RESIDENTS
1985 - 1988

MONTH	1985		1986		1987		1988		1985 - 1988		
	M	F	M	F	M	F	M	F	TOTAL MALE	TOTAL FEMALE	
January	56	15	39	9	41	11	37	11	173	46	0.99
February	37	16	43	10	42	12	30	13	152	51	0.96
March	53	9	38	23	71	12	40	16	202	60	1.15
April	45	8	40	9	66	10	37	10	188	37	1.11
May	38	12	41	11	66	9	42	8	187	40	1.07
June	45	12	55	7	32	14	54	13	186	46	1.10
July	43	13	51	12	30	14	40	10	164	49	0.94
August	54	13	36	15	47	17	50	9	187	54	1.07
September	36	13	40	18	31	12	45	9	152	52	0.90
October	43	10	48	16	44	17	33	13	168	56	0.96
November	44	11	32	8	39	17	33	14	148	50	0.88
December	33	13	47	13	44	12	33	11	157	49	0.90
Total	527	145	510	151	553	157	474	137	2064	590	

* The ratio of seasonality for each month is the number of observed suicides compared to the number expected in the month, adjusted for the number of days in the month.

TABLE-11

RESIDENT SUICIDE DEATHS BY AGE AND SEX
NEW JERSEY COUNTIES AND SELECTED PLACES, 1988

PLACE OF RESIDENCE	TOTAL	SEX		AGE GROUP				
		MALE	FEMALE	5-14	15-24	25-44	45-64	65+
STATE TOTAL	613	474	137	4	108	234	138	129
ATLANTIC COUNTY	18	15	3		3	9	2	4
Atlantic City	5	3	2			2	1	2
BERGEN COUNTY	69	48	21		8	12	30	19
BURLINGTON COUNTY	34	26	8		7	17	2	8
CAMDEN COUNTY	35	27	8	1	5	13	11	5
Camden City	3	3	0		2			1
Cherry Hill Twp.	8	5	3			4	4	
Gloucester Twp.	4	4	0		1	1	1	1
CAPE MAY COUNTY	11	10	1			7	2	2
CUMBERLAND COUNTY	13	11	2		3	4	3	3
Vineland City	4	2	2		1	1	1	1
ESSEX COUNTY	57	43	13		16	19	11	11
Bloomfield	4	3	1		1	2	1	
East Orange	5	3	2		1	2	1	1
Irvington	5	5	0			1	3	1
Newark	25	21	3		8	11	3	3
GLOUCESTER COUNTY	17	16	1		3	12	2	
HUDSON COUNTY	43	32	10		7	20	11	5
Bayonne	6	3	3			3	2	1
Hoboken	4	3	1			2	1	1
Jersey City	12	7	4		3	5	3	1
North Bergen Twp.	3	3	0			2		1
Union City	4	4	0			2	1	1
HUNTERDON COUNTY	13	11	2		4	7	2	
MERCER COUNTY	25	20	5		3	11	6	5
Hamilton Twp.	7	6	1		2	3	2	
Trenton	12	11	1			5	4	3
MIDDLESEX COUNTY	54	40	14		10	22	11	11
Edison Twp.	6	4	2		4	1		1
New Brunswick	1	1	0				1	
Old Bridge Twp.	3	2	1			1		2
Piscataway Twp.	1	1	0		1			
Woodbridge Twp.	11	10	1		2	5	3	1
MONMOUTH COUNTY	34	27	7	1	5	12	7	9
Middletown Twp.	4	3	1			3		1
MORRIS COUNTY	37	28	9	1	7	15	9	5
Parsippany-Troy Hills	5	4	1		2	1	2	
OCEAN COUNTY	36	29	7		8	8	6	14
Brick Twp.	3	2	1				1	2
Dover Twp.	6	6	0		1		1	3
PASSAIC COUNTY	30	23	7		7	11	6	6
Clifton	6	6	0			2	2	2
Passaic City	1	1	0		1			
Paterson	2	2	0		1	1		
Wayne Twp.	6	4	2		3	1		2
SALEM COUNTY	7	6	1		1	3	2	1
SOMERSET COUNTY	18	15	3		2	4	5	7
SUSSEX COUNTY	12	8	4		3	6	1	2
UNION COUNTY	39	30	9	1	3	21	8	6
Elizabeth	11	9	2		2	5	4	
Plainfield	5	4	1			4	1	
Union Twp.	1	1	0			1		
WARREN COUNTY	11	9	2		3	1	1	6

NOTE: Total includes one suicide in Jersey City, Hudson County and one in Newark, Essex County with sex unstated.

TABLE-12

SUICIDE DEATHS AND RATES PER 100,000 POPULATION
NEW JERSEY AND SELECTED PLACES, 1988

PLACE OF RESIDENCE	SUICIDE DEATHS		PERCENT CHANGE IN DEATHS 1980-1988
	Number	Rate	
STATE TOTAL	613	7.9	6.4
ATLANTIC COUNTY	18	8.5	5.9
Atlantic City	5	14.3	0.0
BERGEN COUNTY	69	8.3	11.3
BURLINGTON COUNTY	34	8.6	36.0
CAMDEN COUNTY	35	7.0	12.9
Camden City	3	3.7	-62.5
Cherry Hill Twp.	8	10.7	0.0
Gloucester Twp.	4	7.6	100.0
CAPE MAY COUNTY	11	11.5	266.7
CUMBERLAND COUNTY	13	9.4	-13.3
Vineland City	4	7.3	0.0
ESSEX COUNTY	57	6.8	-5.0
Bloomfield	4	8.5	100.0
East Orange	5	6.5	66.7
Irvington	5	8.1	-28.6
Newark	25	8.0	25.0
GLOUCESTER COUNTY	17	7.8	6.3
HUDSON COUNTY	43	7.9	22.9
Bayonne	6	9.9	20.0
Hoboken	4	9.6	0.0
Jersey City	12	5.5	-20.0
North Bergen Twp.	3	6.6	50.0
Union City	4	7.5	**
HUNTERDON COUNTY	13	12.9	44.4
MERCER COUNTY	25	7.5	-13.8
Hamilton Twp.	7	8.0	-30.0
Trenton	12	13.2	-14.3
MIDDLESEX COUNTY	54	8.3	25.6
Edison Twp.	6	7.0	-14.3
New Brunswick	1	2.5	-66.7
Old Bridge Twp.	3	5.3	200.0
Piscataway Twp.	1	2.3	-50.0
Woodbridge Twp.	11	11.8	57.1
MONMOUTH COUNTY	34	6.1	-17.1
Middletown Twp.	4	5.8	-50.0
MORRIS COUNTY	37	8.8	-15.9
Parsippany-Troy Hills	5	10.4	-44.4
OCEAN COUNTY	36	8.7	0.0
Brick Twp.	3	4.8	0.0
Dover Twp.	6	8.1	0.0
PASSAIC COUNTY	30	6.5	-23.1
Clifton	6	7.9	0.0
Passaic City	1	1.9	-83.3
Paterson	2	1.4	-77.8
Wayne Twp.	6	11.7	100.0
SALEM COUNTY	7	10.6	-12.5
SOMERSET COUNTY	18	7.9	5.9
SUSSEX COUNTY	12	9.5	71.4
UNION COUNTY	39	7.8	18.2
Elizabeth	11	10.5	0.0
Plainfield	5	11.1	66.7
Union Twp.	1	1.9	-66.7
WARREN COUNTY	11	12.4	83.3

** Undefined rate of change because there were no cases in 1980.

METHODOLOGICAL ISSUES

Suicides in this report are those deaths identified as having cause-of-death codes E950-E959 from the International Classification of Diseases, ninth revision (ICD-9).

Suicide statistics based on death certificates probably understate the true number of suicides for several reasons (as stated by the CDC Violence Epidemiology Branch):

- 1) Inadequate information on which to make a determination of suicide as the cause of death.
"Without an explicit communication by the victim that the death was self-inflicted, the death might be erroneously ruled as homicide, an accident, or as undetermined. In other circumstances, there may be either conscious or unconscious attempts to obscure information necessary to make the determination of suicide, as in the case of a family deliberately withholding or unconsciously denying information to avoid stigmatizing themselves or the victims."
- 2) Certifier bias or error.
"The certifier may be influenced in recording an accurate certification of suicide because of pressures brought to bear by family or friends of the suicide victim. Also, error in judgment may occur on the part of the certifier because of inadequate criteria or standards for making a determination of death by suicide given a particular set of circumstances. That is, based on the same set of information, two certifiers may rule differently as to whether the death should or should not be determined to be suicide."
- 3) No death certificate filed on the victim.
"Some suicide deaths might not be recorded if the bodies are never found. This bias may be more significant for specific methods of suicide, e.g., drowning after jumping from a high bridge."

If suicides are misclassified on death certificates, these deaths are most likely to be reported under accidental deaths as pointed out by Douglas in 1967. From Holdings and Barraclough's comparative studies, the underestimate of the true suicide rate reflected by official statistics may be as much as 22%.

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Technical Notes

TAB-O
TECHNICAL NOTES

CENTER FOR HEALTH STATISTICS
DIVISION OF MANAGEMENT AND ADMINISTRATION
NEW JERSEY DEPARTMENT OF HEALTH

Technical Notes

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**CENTER FOR HEALTH STATISTICS
DIVISION OF RESEARCH, POLICY AND PLANNING
NEW JERSEY DEPARTMENT OF HEALTH**

Technical Notes

SOURCES OF DATA

Vital Events

Birth, death, fetal death, and marriage certificates are the basic source documents used for collecting data on vital events occurring to New Jersey residents during the calendar year. Birth, death, and fetal death certificates are completed by hospital personnel, physicians, and funeral directors. Marriage certificates are completed by the person officiating. Copies of the certificates are available from the Bureau of Vital Statistics.

The cut-off date for the submission of vital events data contained in this report is May 1 of the following year. Any data pertaining to an event that occurred during the calendar year, but for which a certificate was filed or changed after May 1, are not included.

Births and deaths of New Jersey residents that occurred in another state are included in this report. The inclusion of these data is made possible by an agreement among all registration areas in the United States for exchange copies of certificates. No marriage certificates are exchanged under this agreement, however.

Population

The population data used in this publication are based in part on data collected by census enumerators during the latest decennial Census of Population and Housing, conducted by the U.S. Bureau of the Census. Every person and housing unit is questioned regarding certain basic demographic information such as age, race, and relationship. Population data for each year following the decennial census are based on the annual estimates released by the NJ Department of Labor, Office of Demographic and Economic Analysis. They assemble data about births and deaths that are provided by the Center for Health Statistics, along with migration data, to update the population figures.

Abortions

The New Jersey Abortion Surveillance Program is a health monitoring system conducted by the Center for Health Statistics within the New Jersey Department of Health. Reporting forms are completed by licensed abortion facilities and are coded and processed by the Center on a monthly basis.

Morbidity

There are two sources of morbidity data in New Jersey. Certain communicable diseases are required by law to be reported to the Department. Various programs throughout the Department of Health collect these data. Each program forwards a copy of their data to the Center for Health Statistics on an annual basis. The other source of morbidity data is hospital discharge data forms. The medical discharge abstract data forms are designed by the Center and completed by all licensed hospitals, general and specialty, for every inpatient service episode. The format of these forms emphasizes clinical information, not cost or charges. These data are submitted to the Center quarterly and are analyzed annually.

Divorces

Divorce and annulment data are compiled from transmittal documents that are received from records maintained by the Office of the Administration of the Courts. Copies of these records are forwarded to the Center for Health Statistics annually for inclusion in this report.

Accidents

Only accidents resulting in deaths are covered in this report. The causes of fatal accidents are obtained from the death certificates.

DATA QUALITY

Vital Events

The quality of these data is directly related to the completeness and accuracy of the information contained on the vital certificates. The NJ/DOH works to ensure that the information received is as complete and accurate as possible; it maintains two major program operations related to improving the quality of information received on vital certificates.

The query program is a system used to follow up with local registrars, hospital personnel, funeral directors, and/or physicians, concerning incomplete or conflicting information. The follow-back contact is usually done by telephone and is based both on a manual and computer editing procedure.

The field program improves vital certificate data quality by educating the participants in the vital registration system, e.g., hospital personnel, funeral directors, local registrars, and physicians, of the uses and importance of vital statistics data. For example, seminars are conducted with direct participation of these individuals and various associations. Also, the NJ/DOH field representative makes site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors New Jersey's coding of birth and death data. NCHS has established a two percent upper limit for coding difference involving any one item, with the exception of cause of death. A five percent limit is established for this item because of the complexity of the coding process. For additional information regarding coding quality levels for New Jersey or other states contact the National Center for Health Statistics, Technical Services, Division of Vital Statistics, Research Triangle Park, North Carolina.

Population

While it is impossible to completely eliminate error from an operation as large and complex as the decennial census, the U.S. Bureau of the Census attempts to control errors during collection and processing operations through record checks and re-checks, post-enumeration follow-back, quality control checks during processing, and the installation of special coding procedures for nonresponses to questions on the census questionnaire. For further details regarding the quality controls on U.S. Census data, refer to Starsinic, Donald E., "Evaluation of Population Estimation, Procedures for Statistics, 1980: An Interim Report." Current Population Reports Series P-25, No. 933, issued June 1983, page 2.

The NJ/DOH controls the quality of the birth and death data supplied to the NJ/DOL as described above. Contact the NJ/DOL for further details regarding their control over migration data quality.

Abortions

Abortion data are collected only from clinics, not private physicians. Thus, only a portion of all legal abortions in New Jersey are included. The quality of these data are maintained by computer edits performed on all data submitted and by clerical review of all records for obvious errors. Queries are made to the providers to correct the abortion information prior to issuing this report.

Morbidity

Reportable diseases are monitored for completeness by the Communicable Disease Control Services Program under the Division of Epidemiology and Disease Control. A manual tracking system is in place that checks and double checks all information received by the Communicable Disease Control Unit. Any errors detected are corrected before the data are released. All data are actual counts.

Two measurements are used in assessing the accuracy and quality of the medical discharge abstracts data. The first relates directly to the data contents of the data tapes, which are evaluated for completeness, consistency, and overall levels of error. All errors detected are reviewed and levels of severity established in terms of rates of error relative to all data that are received. The second measure tracks the completeness and correctness of coding. This measure is based upon a direct comparison of the records maintained by the facility to the abstract data submitted to the Department.

Divorces

Divorce data are obtained directly from the New Jersey Department of Justice Court Records Summary Statistics. Records are processed and run through an extensive set of edit checks by the NJ/DOJ. No further checks on data quality are performed by the Center for Health Statistics on divorce data obtained from the NJ/DOJ.

GEOGRAPHIC CLASSIFICATION

Vital Events

Vital events can be classified geographically in two ways, by place of residence or place of occurrence. Throughout this report state, county and minor civil division (MCD) where the person affected resides is used to classify vital events. For example, the usual residence of the mother, in the case of a newborn, or the decedent, in the case of death, is used. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified by the residence of the mother. While occurrence statistics have both administrative value and statistical significance, residence statistics are by far the more useful tool when constructing health indices for planning and evaluation purposes. For instance, the vital statistics residence data are used to determine the "natural increase" component of the state's population estimates provided by the NJ/DOL. The only exception to the use of place of residence for geographical classification in this report relates to marriages and divorces. County breakdowns of these data describe where the marriage or divorce took place.

It should be noted that the allocation of vital events by place of residence is not always straightforward. For various reasons, a person's statement of their residence may be incorrect or incomplete. For example, mailing addresses often differ from the actual residence. When the mailing address of an unincorporated or local name place is given as the place of residence, it may prove impossible to allocate the event to the correct MCD. Postal zip codes are used for cross reference when the correctness of residence is in question. Note, this problem affects primarily MCD classification. Resident counts for the state and counties are substantially correct.

Population

The error associated with residence is almost nonexistent in the 1980 Census of Population and Housing data, since this census involved on-site enumeration of both population and housing units. County boundaries legally defined and in effect as of January 1, 1980 were recognized in the 1980 census. Census data are also available from the NJ/DOL Office of Demographic and Economic Analysis for geographic areas not represented in this publication, such as census tracts and enumeration districts. Townships that are incorporated in the state of New Jersey are included as MCDs.

Abortions

City and zip code of the abortion recipient are recorded on the reporting form submitted to the Center for Health Statistics. No verification is performed on the patient's report. A postal zip code notification program has been installed in the computer/edit phase to verify the MCD.

Since abortion surveillance began, 78% to 85% of all reported abortions performed at in-state facilities have been on New Jersey residents. The NJ/DOH is unable at this time to obtain detailed data on New Jersey residents receiving an abortion in other states or at physician's offices. The data compiled by the Center for Health Statistics include only those data on residents receiving abortions at licensed facilities within the State.

Morbidity

Control is maintained over the geographic location coding for both reportable diseases and medical discharge abstracts data. Systems have been developed to insure correct reporting of resident codes. In addition, a postal zip code verification program has been installed in the computer edit phase of data processing to identify mistakes.

DEFINITION OF RATES

Absolute counts of health-related events do not readily lend themselves to analysis and comparison between years and various geographic areas because of population size differences. In order to compare the health status of populations that differ in size, the absolute number of events is converted to a relative number, such as the probability of living or dying expressed as a rate, a ratio, or an index. This conversion is made by relating the crude number of events happening to the living population at risk in a particular area at a specified time to the size of the same population.

In interpreting the causes of differences in vital statistics rates, consideration should be given to the many ways in which two or more groups differ, for example, demographic differences such as age, sex, and ethnicity. Further adjustment of the crude or overall rates presented in this report may be required to properly describe why rates of births or disease differ between populations the reader may wish to compare.

DESCRIPTIVE STATISTICS:
RATES, RATIOS, PROPORTIONS, AND INDICES*

- A. **RATE:** A rate measures the frequency of occurrence of some particular event. A rate is of the form:

$$\frac{x}{y} \times k$$

where

- x = number of times an event has occurred during a specific interval of time,
 - y = number of persons exposed to the risk of the event during the same interval, and
 - k = some round number (100, 1,000, 10,000, 100,000, etc.) or base, depending upon the relative magnitude of x and y.
1. **MORBIDITY RATES:** Morbidity rates measure the frequency of illness within specific populations. Time and place must always be specified. The most commonly used morbidity rates include point prevalence, period prevalence, incidence, and attack rate as shown in Table E.
- a. **PREVALENCE:** Prevalence measures the frequency of all current cases of disease (old and new) and is of two types:
 - (1) **POINT PREVALENCE:** Point prevalence measures the frequency of all current cases of a disease (old and new) at a given instant in time.
 - (2) **PERIOD PREVALENCE:** Period prevalence measures the frequency of all current cases of disease (old and new) for a prescribed period of time.
 - b. **INCIDENCE:** Incidence measures the rapidity with which a disease occurs or the frequency of addition of new cases of a disease. These new cases of a disease occur either through onset of the disease on current members of the population or by immigration of persons already ill into the population. Incidence is always calculated for a given period of time.
 - c. **ATTACK RATE:** An attack rate is an incidence rate usually expressed as a percent, used for particular populations, and observed for limited periods of time, as in an epidemic.

***NOTE:** This section and the accompanying Table E are from: Vital and Health Statistics: Techniques of Community Health Analysis, published in 1978 by the Center for Disease Control, U.S. Department of Health and Human Services.

2. **MORTALITY RATES:** Mortality rates measure the frequency of deaths within specific populations and are calculated for a given time interval and place. Several general and specific formulae are used to describe mortality as shown in Table E.
3. **NATALITY RATES:** Natality rates measure the frequency of births (birth rates) and the probability of births (fertility rates) within specific populations and are calculated for a given time interval and place. Some frequently used natality rates and ratios are shown in Table E.

B. **RATIO:** A ratio is the expression of the relationship between a numerator and denominator that may involve either an interval in time or may be instantaneous in time. The ratio is of the form:

$$x : y \quad \text{or} \quad \frac{x}{y} \quad x \quad k$$

where

- x = number of events or items counted and not necessarily a portion of y,
- y = number of events or items counted and not necessarily a population of persons exposed to the risk, and
- k = a base, as in the case of a rate, but usually 1 or 100 for the purpose of expressing ratios.

C. **PROPORTION:** A proportion is an expression in which the numerator is always included in the denominator, and the values vary between zero and one. A proportion may be expressed as a percent by multiplying by 100.

D. **INDEX:** An index is the best available approximation to a true rate. An approximation is needed when the number at risk (denominator) cannot be counted directly. Then, some other variable that can be counted is substituted to estimate the number at risk.

For example, in order to calculate a maternal mortality rate, we should, strictly speaking, divide the number of deaths assigned to deliveries and complications of pregnancy, childbirth, and the puerperium by the total number of pregnancies occurring in a specified time interval. Since we are unable to count the total number of pregnancies, we substitute the number of registered live births; this figure serves as an estimate of the number of pregnancies. The resulting maternal mortality rate is therefore not a rate at all in the strict sense, but is nevertheless a useful index which gives an impression of the risk of dying associated with pregnancy.

TABLE E
 FREQUENTLY USED RATES, RATIOS, PROPORTIONS, AND INDICES
 USED FOR DESCRIBING NATALITY, MORBIDITY, AND MORTALITY

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
<u>NATALITY</u>				
1.	<u>Birth Rate</u>			
	Crude; specific for age of mother, sex of child, socioeconomic status, etc.	Number of live births reported during a given time interval	Estimated mid-interval population	1,000
2.	<u>Fertility Rate</u>			
	(a) <u>Theoretical Purposes</u>	Number of live births reported during a given time interval from mothers aged 15-44 years	Estimated number of women in age group 15-44 years at mid-interval	1,000
	(b) <u>Current Usage</u>			
	Crude; specific for age of mother, race, socioeconomic status, etc.	Number of live births reported during a given time interval	Estimated number of women in age group 15-44 years at mid-interval	1,000
3.	<u>Low Birth Weight Ratio</u>			
	Crude; specific for age of mother, race, socioeconomic area, etc.	Number of live births under 2,500 grams (or 5½ lbs.) during a given time interval	Number of live births reported during the same time interval	100

TABLE E (Continued)

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
<u>MORBIDITY</u>				
4.	<u>Incidence Rate</u>	Number of new cases of a specified disease reported during a given time interval	Estimated mid-interval population	Variable: 10^x where $x = 2, 3, 4, 5, 6,$
5.	<u>Attack Rate</u>	Number of new cases of a specified disease reported during a specific time interval	Total population at risk during the same time interval	Variable: 10^x where $x = 2, 3, 4, 5, 6,$
6.	<u>Point Prevalence Rate (Ratio)</u>	Number of current cases, new and old of a specified disease existing at a given point in time	Estimated population at the same point in time	Variable: 10^x where $x = 2, 3, 4, 5, 6,$
7.	<u>Period Prevalence Rate (Ratio)</u>	Number of current cases, new and old, of a specified disease occurring during a given time interval	Estimated mid-interval population	Variable: 10^x where $x = 2, 3, 4, 5, 6,$

TABLE E (Continued)

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
<u>MORTALITY</u>				
8.	<u>Crude Death Rate</u>	Total number of deaths reported during a given time interval	Estimated mid-interval population	1,000
	Crude; specific for age, race, sex, socioeconomic area, etc.			
9.	<u>Cause-specific Death Rate</u>	Number of deaths assigned to a specific cause during a given time interval	Estimated mid-interval population	100,000
	or			
	<u>Cause of Death Rate</u>			
	Crude by cause; specific for age, race, sex, socio- economic area, etc.			
10.	<u>Cause-Specific Death Ratio</u>	Number of deaths assigned to a specified cause during a given time interval	Total number of deaths from all causes reported during the same interval	100 or 1,000
	or			
	<u>Cause of Death Ratio</u>			
	or			
	<u>Proportional Mortality Ratio</u>			
	Crude by cause; specific for age, race, sex, socio- economic area, etc.			
11.	<u>Case Fatality Rate (Ratio)</u> <u>Death-to-Case Ratio</u>	Number of deaths assigned to a specified disease during a given time interval	Number of new cases of that disease reported during the same time interval	100
	Crude; specific for age, race, sex, socio- economic area, etc.			

TABLE E (Continued)

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
12.	(a) <u>Fetal Death Rate I</u>	Number of fetal deaths of 28 weeks or more gestation reported during a given time interval	Number of fetal deaths of 28 weeks or more gestation reported during the same time interval plus the number of live births occurring during the same time interval	1,000
	(b) <u>Fetal Death Rate II</u>	Number of fetal deaths of 20 weeks or more gestation reported during a given time interval	Number of fetal deaths of 20 weeks or more gestation reported during the same time interval plus the number of live births occurring during the same time interval	1,000
13.	(a) <u>Fetal Death Ratio I</u>	Number of fetal deaths of 28 weeks or more gestation reported during a given time interval	Number of live births reported during the same time interval	1,000
	(b) <u>Fetal Death Ratio II</u>	Number of fetal deaths of 20 weeks or more gestation reported during a given time interval	Number of live births reported during the same time interval	1,000

TABLE E (Continued)

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
14.	(a) <u>Perinatal Mortality Rate I</u>	Number of fetal deaths of 28 weeks or more gestation reported during a given time interval plus the reported number of infant deaths under seven days of life during the same time interval	Number of fetal deaths of 28 weeks or more gestation reported during the same time interval plus the number of live births occurring during the same time interval	1,000
	(b) <u>Perinatal Mortality Rate II</u>	Number of fetal deaths of 20 weeks or more gestation reported during a given time interval plus the reported number of infant deaths under 28 days of life during the same time interval	Number of fetal deaths of 20 weeks or more gestation reported during the same time interval plus the number of live births reported during the same time interval	1,000
15.	<u>Infant Mortality Rate</u>	Number of deaths under 1 year of age reported during a given time interval	Number of live births reported during the same time interval	1,000
	Crude; specific for race, sex, socioeconomic area, birth weight, cause of death, etc.			

TABLE E (Continued)

No.	Description of Measure	Numerator (x)	Denominator (y)	Expressed Per Number At Risk (k)
16.	<u>Neonatal Mortality Rate</u>			
	Crude; specific for race, sex, socioeconomic area, birth weight, cause of death, etc.	Number of deaths under 28 days of age reported during a given time interval	Number of live births reported during the same time interval	1,000
17.	<u>Postneonatal Mortality Rate</u>			
	(a) <u>Theoretical Purposes</u>	Number of deaths from 28 days of age up to, but not including, 1 year of age, reported during a given time interval	Number of live births reported during the same time interval less the number of deaths under 28 days of age	1,000
	(b) <u>Current Usage</u>			
	Crude; specific for race, sex, socioeconomic area, cause of death, etc.	Number of deaths from 28 days of age up to, but not including, 1 year of age, reported during a given time interval	Number of live births reported during the same time interval	1,000
18.	<u>Maternal Mortality Rate</u>			
	Crude; specific for age of mother, race, socioeconomic area, etc.	Number of deaths assigned to causes related to pregnancy during a given time interval	Number of live births reported during the same time interval	10,000

SELECTION OF STATISTICAL FORMULAS USED IN THIS REPORT FOR COMPUTING
BIRTH, DEATH AND MORBIDITY RATES

Crude Birth Rate - see Table E, No. 1.

Fertility Rate - see Table E, No. 2(a).

Crude Death Rate - see Table E, No. 8.

Infant Mortality Rate - see Table E, No. 15.

Neonatal Mortality Rate - see Table E, No. 16.

Fetal Death Rate - see Table E, No. 13(b).

Perinatal Mortality Rate - see Table E, No. 14(b).

Maternal Mortality Rate - see Table E, No. 18.

Specific Cause-of Death-Rate - see Table E, No. 9.

Age-Specific Death Rate - Expressed per 100,000 population in a specified age group,

$$\frac{\text{No. of Deaths in a Specific Age Group}}{\text{Midyear Population Estimate for the Same Age Group}} \times 100,000.$$

Morbidity Rate - Expressed per 100,000 (10,000 or 1,000) population,

$$\frac{\text{No. of Reported Cases of a Given Disease}}{\text{Midyear Population Estimate}} \times 100,000 \text{ (10,000 or 1,000),}$$

which is analogous to a period prevalence rate covering only cases reported to the NJ/DOH.

DEFINITIONS

<u>ABORTION</u>	premature expulsion or removal from the uterus of the products of conception (the embryo or nonviable fetus).
<u>ACCIDENT</u>	that occurrence in a sequence of events which usually produces unintended injury, death or property damage.
<u>ACCIDENT TYPE</u>	describes the occurrence leading to injury or property damage.
<u>AGE-SPECIFIC MORTALITY RATE</u>	the number of deaths of a given age group per 100,000 estimated persons in that age group usually expressed as an annual rate.
<u>AGENCY OR AGENT</u>	the principal object such as tool, machine or equipment in the accident and is usually the object inflicting injury or property damage.
<u>APGAR SCORE</u>	composite measure used to evaluate the newborn infant's general condition. Apgar scores are given one and five minutes after birth. Heart rate, respiratory, effort, color, muscle tone and reflexes are checked and evaluated. Each factor receives a score of 0, 1, or 2 and the sum of the five values is the overall score. A score of ten is optimum.
<u>ASSOCIATED CAUSE OF DEATH</u>	condition other than the underlying cause of death which may have contributed to the death.
<u>BIRTH RATE</u>	the number of live births per 1,000 population.
<u>BIRTHWEIGHT</u>	weight of fetus or infant at time of delivery (normally recorded in pounds and ounces or in grams).
<u>CAUSE GROUP</u>	a summary of deaths resulting from or cases of, related diseases as defined by the International Classification of Diseases adapted for use in the United States, published by the U.S. Department of Health, and Human Services; usually specified by a series of 3-digit codes; i.e. 140-208 malignant neoplasms.
<u>DAY</u>	(motor vehicle accidents) is the time interval between sunrise and sunset.

DEATH RATE

the number of deaths per 100,000 population.

DEATH FROM ACCIDENT

a death which occurs within one year of the accident.

DELIVERIES

live births plus reported fetal deaths.

DISABLING INJURY

an injury causing death, permanent disability, or any degree of temporary total disability beyond the day of the accident.

ESTIMATED POPULATION

the estimated number of persons in a given group based on the latest census data and adjusted for annual births, annual deaths and net migration.

FATAL ACCIDENT

an accident which results in one or more deaths within one year.

FERTILITY RATE

the number of live births to women aged 15-44 per 1,000 women in this age group, usually expressed as an annual rate.

FETAL DEATH

death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

FETAL DEATH RATE

the number of fetal deaths occurring in the twentieth week of gestation or later (required by law to be registered as fetal deaths) per 1,000 live births, usually expressed as an annual rate.

FIRST TRIMESTER

first twelve weeks of pregnancy, as determined by the history given by the patient considered in conjunction with the physician's estimation of length of pregnancy by clinical examination of the size of the uterus (NJAC 8:40-4.1).

HOME

a dwelling and its premises within the property lines, including in addition to the usual single-family dwellings and apartment houses, duplex dwellings, boarding and rooming houses and seasonal cottages. Excluded from homes are barracks, dormitories, and resident institutions.

HOMICIDE

the act of one person who kills another, includes deaths from injuries purposely inflicted by other persons, deaths from injuries resulting from intervention by law enforcement officers and deaths caused by legal execution.

HOSPITAL

health care facility licensed as a hospital in accordance with the statutes of New Jersey.

HYSTERECTOMY

excision of the uterus.

HYSTEROTOMY

incision of the uterus to remove the fetus before viability.

ILLEGITIMATE BIRTHS

a birth to an unwed woman, or to a woman whose husband did not father the infant.

ICD-9 CODE

a listing of disease classification known as the "Ninth Revision International Classification of Diseases Adapted for Use in the United States," published by the United States Department of Health and Human Services, used in the statistical coding and tabulation of specific disease morbidity and mortality.

IMMATURE BIRTH

a live birth weighing 2,500 grams (5 Lbs. 8 oz.) or less.

INCIDENCE RATE

incidence is the number of occurrences of an event, such as the number of new cases of tuberculosis.

incidence rate is expressed in terms of the population in which the event occurs within a specified time period.

incidence rates are usually expressed as representing the cases per 100,000 population per year.

INFANT DEATH

death occurring to live born individual of less than 1 year of age.

INFANT MORTALITY RATE

the number of infant deaths per 1,000 live births, usually expressed as an annual rate.

LEGITIMATE BIRTH

a birth to a married woman whose husband fathered the infant.

LIVE BIRTH

a live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration and pregnancy, which after such separation, breaths or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

MATERNAL DEATHS

those wherein the physician has designated a maternal condition as the underlying cause of death.

MATERNAL MORTALITY RATE

the number of maternal deaths per 10,000 live births, usually expressed as an annual rate.

MINOR CIVIL DIVISION

New Jersey Minor Civil Divisions (MCD) are legally incorporated political subdivisions and are the local level of civil government. The various cities, municipalities, townships, villages, and towns encompass all areas of the state. They are mutually exclusive, i.e., no one MCD overlaps another, even though it may surround another.

MORTALITY

the number of deaths per a specified number of people.

MOTOR VEHICLE

any mechanically or electrically powered device (except one moved by human power), not operating on rails, upon which or by which any person or property may be transported upon a land highway. The load on a motor vehicle, or trailer attached to it, is considered part of the vehicle. Tractors and motorized machinery are included while self-propelled in transit or used for transportation. Also included are motor scooters, motorized bicycles and snowmobiles.

MOTOR VEHICLE ACCIDENT

any accident involving a motor vehicle in transport (in motion, in readiness for motion, or on roadway, but not parked in a designated parking area) that results in death, injury or property damage.

MOTOR VEHICLE TRAFFIC ACCIDENT

a motor vehicle accident which occurs on a trafficway -- a way or place, any part of which is open to the use of the public for purposes of vehicular traffic.

MOTOR VEHICLE NONTRAFFIC ACCIDENT

any motor vehicle accident which occurs entirely in any place other than a trafficway.

NEONATAL

of, relating to, or affecting the newborn and especially the human infant during the first month of life.

NEONATAL DEATH

live born infant who dies before completing four weeks (28 days) of life.

NEONATAL MORTALITY RATE

as used in this text, the number of deaths of infants under 28 days of age per 1,000 live births, per year.

NIGHT

(motor vehicle accident) is the time interval between sunset and sunrise.

NONFATAL INJURY ACCIDENT

an accident in which at least one person is injured and no injury terminates fatally.

NONMOTOR VEHICLE

any vehicle other than a motor vehicle, except a scooter, wheelchair, roller skates, ice skates, skis, baby carriage, and similar means of transportation; persons using these latter means of transportation are considered pedestrians.

OCCURRENCE DATA

data classified by place where event occurred, regardless of the person's place of residence (marriages, divorces).

OUTPATIENT ABORTION FACILITY

licensed health care facility other than a hospital in which abortion procedures are performed.

OUT-OF-WEDLOCK BIRTH

birth wherein there is no marital tie between mother and father.

PEDACYCLE

a vehicle propelled by human power and operated solely by pedals, excludes mopeds.

PEDESTRIAN

any person who is not in or upon a motor vehicle or non motor vehicle (see definition of motor vehicle) included as pedestrians are persons using a coaster wagon, child's tricycle, roller skates, etc. Excluded are persons boarding, alighting, jumping or falling from a motor vehicle in transport.

PERINATAL

of, relating to, or affecting the fetus and the newborn, especially the human infant during the first month of life.

PERINATAL MORTALITY RATE

number of deaths of infants less than 28 days of age (Neontal Deaths), and registered fetal deaths of 20 weeks or more gestation per 1,000 live births plus registered fetal deaths.

PERMANENT DISABILITY

(synonymous with permanent impairment) includes any degree of permanent impairment of the body, such as amputations, permanent impairment of vision and other permanently crippling nonfatal injury ranging from the permanent suffering of a joint or a finger amputation, to permanent, complete crippling.

PREMATURE BIRTHS

products of conception weighting less than five pounds, nine ounces (2,500 grams or less) at delivery or expulsion.

PROPERTY DAMAGE ACCIDENT

an accident which results in property damage, but in which no person is injured.

PROSTAGLANDIN

a class of drugs used to induce a second-trimester abortion; usually injected into the uterine cavity by a needle inserted through the abdominal wall or introduced as a vaginal suppository.

PUBLIC ACCIDENT

any accident other than motor-vehicle that occurs in the public use of any premises, includes deaths in recreation (swimming, hunting, etc.) transportation except motor-vehicle, public buildings, etc. and deaths from widespread natural disasters even though some may have happened on home premises. Excludes accidents to persons in the course of gainful employment.

RACE

(as relates to birth certificate) race for mother, father or as stated on the certificate. Race of child is determined from the race of the parents.

RACE-SPECIFIC MORTALITY RATE

number of deaths in a given race group per 100,000 estimated population in that ethnic group.

RATE

a rate measures the frequency of occurrences of some particular event. A rate is of the form:

$$\frac{x}{y} \times k$$

Where

x = number of times an event has occurred during a specific interval of time.

y = number of persons exposed to the risk of the event during the same interval.

k = some round number (100; 1,000; 10,000; 100,000; etc.) or base, depending upon the relative magnitude of x and y.

RESIDENCE

usual place of residence of person to whom event occurred. For births and fetal deaths, residence is defined as the mother's place of residence.

RURAL

(for motor vehicle reporting) includes places of less than 5,000 inhabitants, except those classified as urban by the U.S. Census Bureau.

SALINE INSTILLATION

second-trimester method of induced abortion usually performed at or after 16 weeks of pregnancy by instilling a concentrated salt solution into the amniotic sac by a needle inserted through the abdominal wall.

SECOND AND THIRD TRIMESTERS

pregnancy of 13 or more weeks as determined by the history given by the patient, the physician's findings or clinical examination of the size of the uterus before the abortion, and/or the size of the fetus as examined after the abortion (NJAC 8:40-4.1).

SEX-SPECIFIC MORTALITY RATE

number of deaths of males/females per 100,000 estimated males/females in the population.

SHARP CURETTAGE

dilation of cervix and removal of the product of conception by a semi-sharp spoon-shaped instrument.

SUCTION CURETTAGE

dilation of cervix and removal of the product of conception by a vacuum method.

SUICIDE

the act or an instance of taking one's own life voluntarily and intentionally.

TEMPORARY TOTAL DISABILITY

an injury which does not result in death or permanent disability, but which renders the injured person unable to perform regular duties on one or more full calendar days after the day of the injury.

TRIMESTERS

1st - first 12 weks of pregnancy
2nd - second 12 weeks of pregnancy
3rd - period after first 24 weeks of pregnancy

UNDERLYING CAUSE OF DEATH

that condition giving rise to the chain of morbid events leading to death, or the circumstances of the accident or violence that produced the fatal injury.

URBAN

(for motor vehicle reporting) includes place of 5,000 or more inhabitants, and the towns, townships and other areas classified as urban by the U.S. Census Bureau.

WORK HOURS

are the total number of hours worked by all employees. They are usually compiled for various levels, such as an establishment, a company or an industry. A work hour is the equivalent of one employee working one hour.

WORK INJURIES

(including occupational diseases) are those which arise out of and in the course of gainful employment regardless of where the accident occurs. Excluded are work injuries to domestic servants and injuries occurring in connection with farm chores which are classified as home injuries.

WORKERS

are all persons gainfully employed, including owners, managers, other paid employees, the self-employed, and unpaid family workers, but excluding domestic servants.