

Infant Mortality Highlights

<u>Key Indicators</u>	<u>Period</u>	<u>Delaware</u>	<u>U.S.</u>	<u>Recent Trend in Delaware*</u>
Infant Mortality • Deaths to children under one year of age per 1,000 live births <i>(See Table E-4)</i>	1998-2002	9.2	7.0	Increasing
Neonatal Mortality • Deaths under 28 days of age per 1,000 live births <i>(See Table E-5)</i>	1998-2002	6.7	4.7	Increasing
Postneonatal Mortality • Deaths to children 28 to 364 days of age per 1,000 live births <i>(See Table E-6)</i>	1998-2002	2.4	2.3	About the Same

* Trend over last 3 to 4 time periods.

Key Facts

- Infants born to mothers who received no prenatal care had a higher mortality rate (56.5) than infants born to mothers who received prenatal care in the first trimester (8.2). *(See Table E-7)*.
- Infants born to mothers who had another live birth less than 18 months earlier had a higher mortality rate (8.3) than infants born to mothers whose last live birth was 18 months ago or more (6.8). *(See Table E-7)*.
- Infants born weighing less than 1500 grams (3 lbs 5 oz) had a mortality rate of 314.2 compared to 2.3 for infants born weighing 2500 grams (5 lbs 8 oz) or more. *(See Table E-7)*.
- Infants born to mothers under 20 years of age had a higher mortality rate (12.0) than infants born to mothers 20 years of age and older (8.4). *(See Table E-7)*.
- Infants born to single mothers had a higher mortality rate (11.9) than infants born to married mothers (6.9). *(See Table E-7)*.

TABLE E-1
NUMBER OF INFANT DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1985-2002

Area/ Race	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
U.S.																		
All Races	40030	38891	38408	38910	39655	38351	36766	34628	33466	31710	29583	28237	28045	28371	27937	28035	27568	27977*
White	27864	26564	25810	25925	25794	24883	23657	22164	21497	20504	19490	18749	18539	18561	18067	18144	17955	18390*
Black	11063	11204	11461	11840	12527	12290	11994	11348	10887	10072	9118	8490	8496	8726	8822	8771	8498	8446*
Other	1103	1123	1137	1145	1334	1178	1115	1116	1082	1134	975	998	1010	1084	1048	1120	1115	1141*
Delaware																		
All Races	142	112	116	121	128	110	136	93	94	70	79	77	81	103	81	102	114	96
White	85	70	69	71	77	58	79	44	44	40	46	43	42	54	31	65	60	57
Black	56	41	47	49	51	52	55	49	50	27	32	32	36	49	49	37	53	35
Other	1	1	0	1	0	0	2	0	0	3	1	2	3	0	1	0	1	4
Kent																		
All Races	28	15	19	27	17	30	18	19	11	15	18	17	14	18	10	21	19	27
White	20	11	13	16	10	17	9	12	5	10	10	11	4	13	4	16	10	22
Black	7	4	6	11	7	13	8	7	6	5	7	6	10	5	6	5	9	5
Other	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
New Castle																		
All Races	98	79	78	72	81	68	98	66	68	37	45	48	48	65	61	67	72	55
White	56	47	46	43	47	33	59	29	32	20	24	21	26	27	22	40	37	30
Black	42	31	32	28	34	35	38	37	36	15	21	26	20	38	38	27	35	22
Other	0	1	0	1	0	0	1	0	0	2	0	1	2	0	1	0	0	3
Wilmington																		
All Races	31	34	32	26	29	25	34	27	24	15	11	19	14	18	20	16	17	12
White	9	16	9	7	7	2	11	4	4	3	2	1	4	2	4	4	2	2
Black	22	18	23	19	22	23	23	23	20	11	9	18	10	16	16	12	15	10
Other	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	67	45	46	46	52	43	64	39	44	22	34	29	34	47	41	51	55	43
White	47	31	37	36	40	31	48	25	28	17	22	20	22	25	18	36	35	28
Black	20	13	9	9	12	12	15	14	16	4	12	8	10	22	22	15	20	12
Other	0	1	0	1	0	0	1	0	0	1	0	1	2	0	1	0	0	3
Sussex																		
All Races	16	18	19	22	30	12	20	8	15	18	16	12	19	20	10	14	23	14
White	9	12	10	12	20	8	11	3	7	10	12	11	12	14	5	9	13	5
Black	7	6	9	10	10	4	9	5	8	7	4	0	6	6	5	5	9	8
Other	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1

Notes:

- *Based on NCHS estimate.
- Infant deaths refer to deaths to children under one year of age.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

TABLE E-2
NUMBER OF NEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1985-2002

Area/ Race	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
U.S.																		
All Races	26179	25212	24627	24690	25168	24309	22978	21849	21174	20250	19155	18326	18524	18918	18728	18776	18265	18749*
White	18233	17256	16448	16346	16428	15751	14698	13915	13506	13100	12644	12252	12269	12406	12164	12201	12013	12419*
Black	7340	7297	7520	7695	8021	7905	7677	7296	7044	6499	5940	5483	5637	5824	5920	5843	5585	5580*
Other	606	659	659	649	719	653	603	638	624	651	571	591	618	688	644	732	667	750*
Delaware																		
All Races	102	86	81	90	93	76	90	64	69	48	47	53	55	74	58	71	82	79
White	63	54	49	49	60	40	55	33	33	28	26	28	26	33	21	45	44	48
Black	38	31	32	40	33	36	34	31	36	18	20	24	27	41	37	26	37	28
Other	1	1	0	1	0	0	1	0	0	2	1	1	2	0	0	0	1	3
Kent																		
All Races	20	10	17	16	7	19	12	11	6	7	10	13	10	9	8	15	15	22
White	15	7	12	8	3	13	5	9	2	3	6	7	1	6	3	11	10	18
Black	4	3	5	8	4	6	6	2	4	4	3	6	9	3	5	4	5	4
Other	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
New Castle																		
All Races	69	61	58	56	67	46	66	47	56	28	26	33	33	47	44	50	54	47
White	40	36	34	33	40	20	43	21	27	17	12	14	19	15	14	29	27	26
Black	29	24	24	22	27	26	23	26	29	9	14	18	13	32	30	21	27	19
Other	0	1	0	1	0	0	0	0	0	2	0	1	1	0	0	0	0	2
Wilmington																		
All Races	20	25	25	23	24	20	22	19	17	10	6	14	6	12	14	13	14	9
White	5	12	8	7	7	2	10	3	2	3	0	1	3	1	2	4	1	1
Black	15	13	17	16	17	18	12	16	15	6	6	13	3	11	12	9	13	8
Other	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	49	36	33	33	43	26	44	28	39	18	20	19	27	35	30	37	40	38
White	35	24	26	26	33	18	33	18	25	14	12	13	16	14	12	25	26	25
Black	14	11	7	6	10	8	11	10	14	3	8	5	10	21	18	12	14	11
Other	0	1	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	2
Sussex																		
All Races	13	15	6	18	19	11	12	6	7	13	11	7	12	18	6	6	13	10
White	8	11	3	8	17	7	7	3	4	8	8	7	6	12	4	5	7	4
Black	5	4	3	10	2	4	5	3	3	5	3	0	5	6	2	1	5	5
Other	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1

Notes:

1. *Based on NCHS estimate.
2. Neonatal deaths refer to deaths to children under 28 days of age.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

TABLE E-3
NUMBER OF POSTNEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1985-2002

Area/ Race	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
U.S.																		
All Races	13851	13679	13781	14220	14487	14042	13788	12779	12292	11460	10428	9911	9521	9453	9209	9259	9303	9228*
White	9631	9308	9362	9579	9366	9132	8959	8249	7991	7404	6846	6497	6270	6155	5903	5943	5942	5971*
Black	3723	3907	3941	4145	4506	4385	4317	4052	3843	3573	3178	3007	2859	2902	2902	2928	2913	2866*
Other	497	464	478	496	615	525	512	478	458	483	404	407	392	396	404	388	448	391*
Delaware																		
All Races	40	26	35	31	35	34	46	29	25	22	32	24	26	29	23	31	32	17
White	22	16	20	22	17	18	24	11	11	12	20	15	16	21	10	20	16	9
Black	18	10	15	9	18	16	21	18	14	9	12	8	9	8	12	11	16	7
Other	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	0	0	1
Kent																		
All Races	8	5	2	11	10	11	6	8	5	8	8	4	4	9	2	6	4	5
White	5	4	1	8	7	4	4	3	3	7	4	4	3	7	1	5	0	4
Black	3	1	1	3	3	7	2	5	2	1	4	0	1	2	1	1	4	1
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Castle																		
All Races	29	18	20	16	14	22	32	19	12	9	19	15	15	18	17	17	18	8
White	16	11	12	10	7	13	16	8	5	3	12	7	7	12	8	11	10	4
Black	13	7	8	6	7	9	15	11	7	6	7	8	7	6	8	6	8	3
Other	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1
Wilmington																		
All Races	11	9	7	3	5	5	12	8	7	5	5	5	8	6	6	3	3	3
White	4	4	1	0	0	0	1	1	2	0	2	0	1	1	2	0	1	1
Black	7	5	6	3	5	5	11	7	5	5	3	5	7	5	4	3	2	2
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	18	9	13	13	9	17	20	11	5	4	14	10	7	12	11	14	15	5
White	12	7	11	10	7	13	15	7	3	3	10	7	6	11	6	11	9	3
Black	6	2	2	3	2	4	4	4	2	1	4	3	0	1	4	3	6	1
Other	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1
Sussex																		
All Races	3	3	13	4	11	1	8	2	8	5	5	5	7	2	4	8	10	4
White	1	1	7	4	3	1	4	0	3	2	4	4	6	2	1	4	6	1
Black	2	2	6	0	8	0	4	2	5	2	1	0	1	0	3	4	4	3
Other	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0

Notes:

- *Based on NCHS estimate.
- Postneonatal deaths refer to deaths to children 28 to 364 days of age.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

TABLE E- 4
 FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1982-2002

Area/ Race	1982 -1986	1983 -1987	1984 -1988	1985 -1989	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002
U.S.																	
All Races	10.9	10.6	10.4	10.2	9.9	9.6	9.3	9.0	8.6	8.3	8.0	7.7	7.5	7.3	7.1	7.0	7.0
White	9.5	9.2	9.0	8.7	8.3	8.0	7.7	7.3	7.0	6.8	6.5	6.4	6.2	6.0	5.9	5.8	5.8
Black	18.7	18.3	18.0	18.1	18.0	17.9	17.7	17.5	17.0	16.4	15.8	15.3	14.8	14.6	14.4	14.2	14.2
Delaware																	
All Races	12.2+	11.8+	12.1+	12.3+	11.3+	11.5+	10.9+	10.4+	9.3	8.9	7.9	7.8	7.9	8.1+	8.4+	9.0+	9.2+
White	9.7	9.3	9.6	9.9+	8.9	8.9	8.2	7.5	6.6	6.4	5.6-	5.6	5.9	5.7	6.2	6.6	6.9+
Black	20.7	19.9	20.6	20.7	19.6	20.0	19.8	19.9	18.2	17.0	15.7	14.7	14.4	15.8	15.9	17.1+	16.7+
Kent																	
All Races	9.8	9.7	11.3	11.1	11.2	11.3	11.3	9.7	9.6	8.6	8.6	8.2	9.0	8.4	8.6	8.7	9.9
White	8.7	9.3	10.5	9.9	9.4	9.0	8.8	7.3	7.3	6.5	6.8	5.9	7.1	6.3	7.0	6.9	9.5
Black	13.5	11.3	14.4	15.6	17.7	19.0	19.9	17.9	17.6	15.5	15.1	16.5	15.9	15.7	14.3	15.2	12.7
New Castle																	
All Races	13.1	12.6	12.4	12.5	11.2	11.3	10.8	10.7	9.5	9.0	7.8	7.3	7.3	7.9	8.5	9.1	9.2
White	10.1	9.6	9.5	9.6	8.4	8.6	7.9	7.5	6.5	6.3	5.0	4.9	4.8	4.9	5.6	6.2	6.4
Black	23.9	23.4	23.2	23.1	21.1	20.8	20.8	21.7	19.8	18.3	17.5	15.3	15.1	17.4	17.7	18.2	18.0
Wilmington																	
All Races	N/A	N/A	N/A	N/A	20.9	20.4	19.6	19.5	18.0	16.6	15.2	13.6	12.8	13.7	14.4	14.0	13.5
White	N/A	N/A	N/A	N/A	16.2	14.1	12.3	11.2	9.7	10.1	6.2	6.4	5.6	6.2	7.0	7.4	6.3
Black	N/A	N/A	N/A	N/A	23.8	24.2	23.8	24.3	22.8	20.4	20.5	17.8	16.8	18.0	18.7	18.0	17.9
Balance of NC County																	
All Races	N/A	N/A	N/A	N/A	8.6	9.0	8.6	8.5	7.5	7.2	6.1	5.9	6.0	6.7	7.2	8.1	8.3
White	N/A	N/A	N/A	N/A	7.6	8.1	7.4	7.1	6.2	5.9	4.8	4.8	4.7	4.8	5.4	6.1	6.4
Black	N/A	N/A	N/A	N/A	17.3	16.4	17.1	18.5	16.3	16.0	14.4	12.9	13.6	16.8	16.8	18.5	18.1
Sussex																	
All Races	11.6	11.0	11.8	12.8	12.2	12.2	10.7	9.7	8.3	8.7	7.9	9.0	9.4	8.5	8.1	9.0	8.3
White	9.0	8.2	9.1	10.8	10.5	10.1	8.8	7.8	6.2	6.8	6.8	8.0	8.9	8.0	7.5	7.6	6.5
Black	17.9	17.8	18.5	18.0	16.8	18.0	16.1	15.3	13.7	13.9	10.4	11.1	10.4	9.9	10.4	14.4	15.9

INFANT4

Notes:

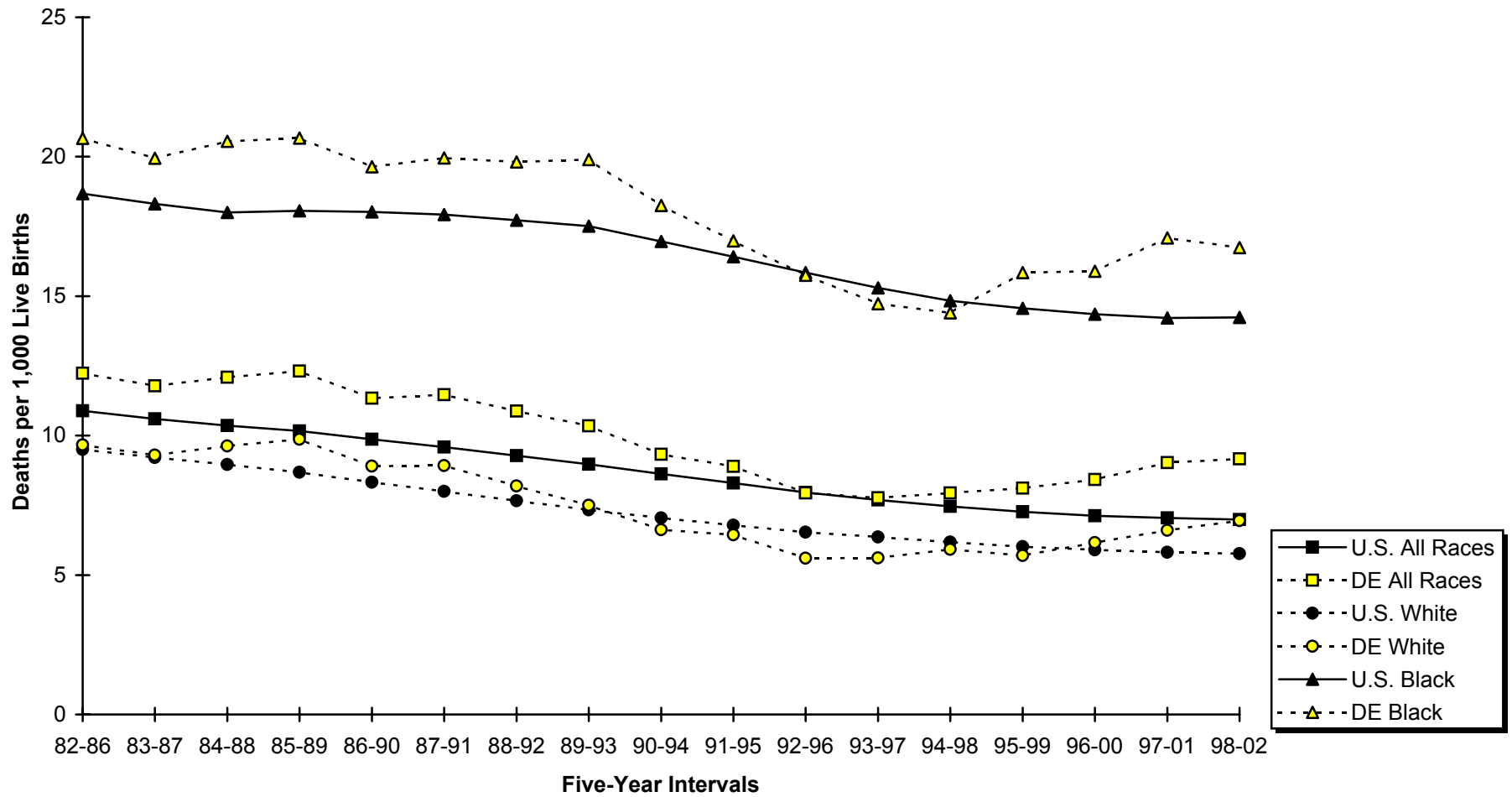
1. 1998-2002 US data are based on NCHS estimates.
2. N/A indicates data not available.
3. Infant mortality rates represent the number of deaths to children under one year of age per 1000 live births.
4. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
 '-' indicates that the Delaware rate is significantly lower than the U.S. rate.
 No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

National Center for Health Statistics
 Delaware Health Statistics Center

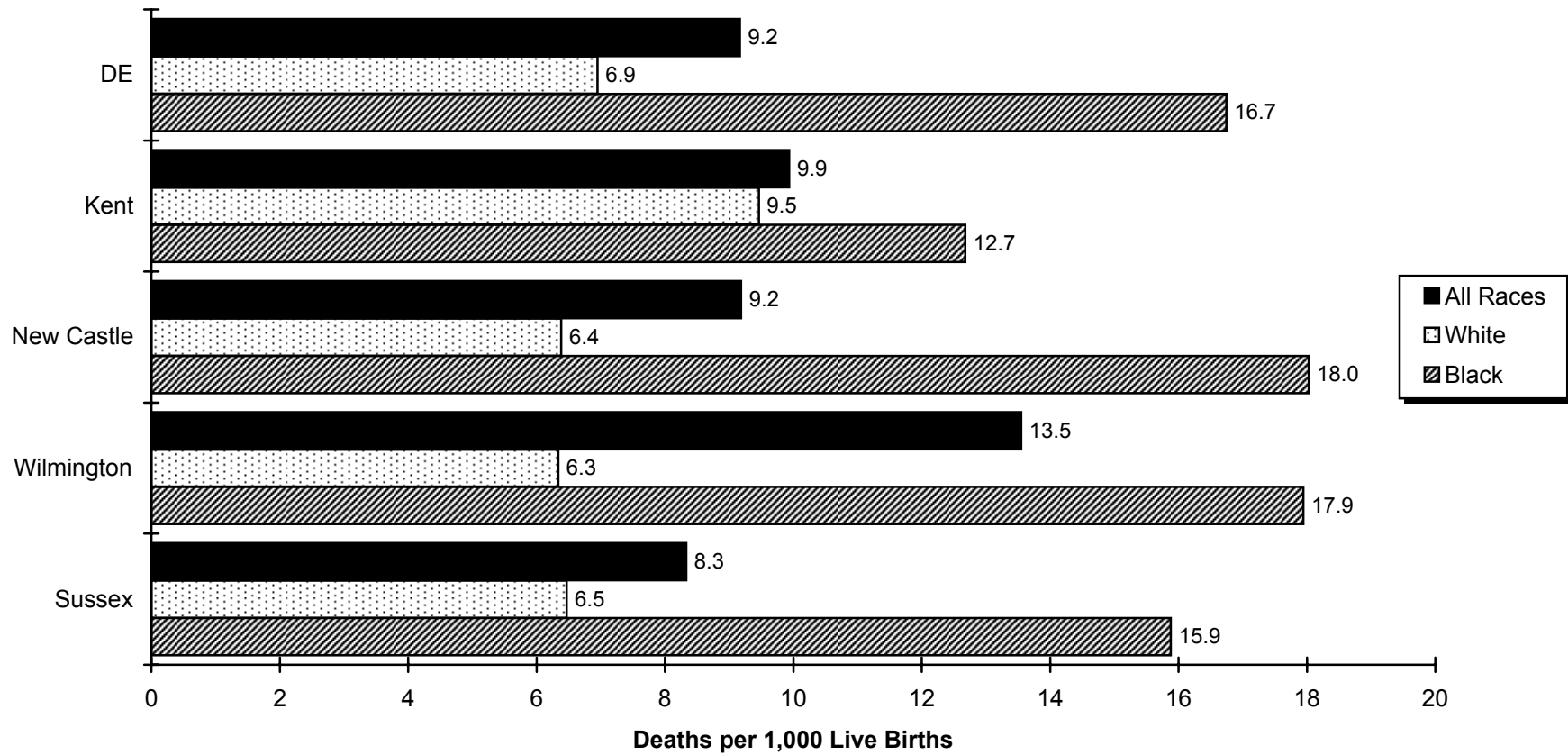
Figure E-1
Five-Year Average Infant Mortality Rates by Race

U.S. and Delaware, 1982-2002



Sources:
 Delaware Health Statistics Center
 National Center for Health Statistics

Figure E-2
Five-Year Average Infant Mortality Rates by Race
Delaware, Counties and the City of Wilmington, 1998-2002



Source:
 Delaware Health Statistics Center

TABLE E-5
 FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES BY RACE
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1982-2002

Area/ Race	1982 -1986	1983 -1987	1984 -1988	1985 -1989	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002
U.S.																	
All Races	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.7	4.7	4.7
White	6.3	6.0	5.8	5.6	5.3	5.1	4.8	4.6	4.4	4.3	4.2	4.1	4.0	4.0	3.9	3.9	3.9
Black	12.2	11.9	11.8	11.8	11.7	11.6	11.4	11.3	10.9	10.6	10.2	9.9	9.7	9.6	9.5	9.5	9.5
Delaware																	
All Races	8.9+	8.4+	8.8+	9.0+	8.2+	8.1+	7.6+	7.2+	6.4+	6.0+	5.4	5.3	5.4	5.5+	5.9+	6.4+	6.7+
White	7.2+	6.8	7.0+	7.3+	6.5+	6.4+	5.9+	5.5+	4.7	4.5	3.8	3.7	3.7	3.5	4.0	4.4	5.0+
Black	14.4	13.9	14.8+	14.7+	14.1+	13.7+	13.5+	13.2	12.1	11.1	10.7	10.4	10.6	11.9+	12.1+	12.8+	12.7+
Kent																	
All Races	6.5	6.8	7.8	7.4	7.1	7.2	6.6	5.6	5.7	4.9	5.0	5.0	5.4	5.5	5.9	6.1	7.2
White	5.7	6.5	7.0	6.4	6.0	5.7	5.2	4.4	4.4	3.6	3.8	2.8	3.4	3.4	4.1	4.6	7.0
Black	8.7	7.5	10.2	10.7	11.2	12.2	11.3	9.6	9.9	8.9	9.3	12.7	12.0	12.0	12.1	11.3	8.9
New Castle																	
All Races	9.7	9.2	9.2	9.5	8.5	8.4	7.9	7.9	6.9	6.4	5.6	5.2	5.0	5.4	6.1	6.6	6.9
White	7.6	7.0	7.1	7.4	6.3	6.4	5.9	5.7	4.8	4.6	3.6	3.6	3.1	3.0	3.7	4.3	4.5
Black	17.1	17.2	17.0	17.4	16.2	15.2	15.0	15.8	13.9	12.6	12.4	10.8	10.8	13.0	13.5	14.2	14.5
Wilmington																	
All Races	N/A	N/A	N/A	N/A	16.8	16.0	15.0	14.3	12.7	11.1	10.5	8.7	8.0	8.7	9.8	9.7	10.1
White	N/A	N/A	N/A	N/A	14.2	13.3	11.5	9.6	8.1	7.6	4.0	4.1	3.8	3.3	5.2	5.1	4.1
Black	N/A	N/A	N/A	N/A	18.4	17.6	17.1	17.1	15.2	13.0	14.2	11.2	10.2	11.8	12.5	12.5	13.8
Balance of NC County																	
All Races	N/A	N/A	N/A	N/A	6.4	6.4	6.1	6.3	5.4	5.3	4.5	4.5	4.3	4.7	5.3	6.0	6.3
White	N/A	N/A	N/A	N/A	5.5	5.7	5.3	5.2	4.5	4.3	3.5	3.5	3.1	3.0	3.6	4.2	4.6
Black	N/A	N/A	N/A	N/A	13.2	12.1	12.4	14.2	12.3	12.1	10.6	10.3	11.4	14.1	14.4	15.6	15.1
Sussex																	
All Races	8.5	7.2	8.3	8.6	8.3	7.8	7.7	6.3	5.6	5.5	5.0	5.6	6.8	6.0	5.3	5.8	5.5
White	7.2	6.0	6.6	8.1	7.8	6.9	6.8	6.1	4.6	4.7	4.8	5.1	6.2	5.5	5.0	4.9	4.5
Black	11.9	10.2	12.5	10.3	9.9	10.3	10.2	7.2	8.3	8.0	6.1	7.1	8.6	7.6	6.6	8.8	9.1

Notes:

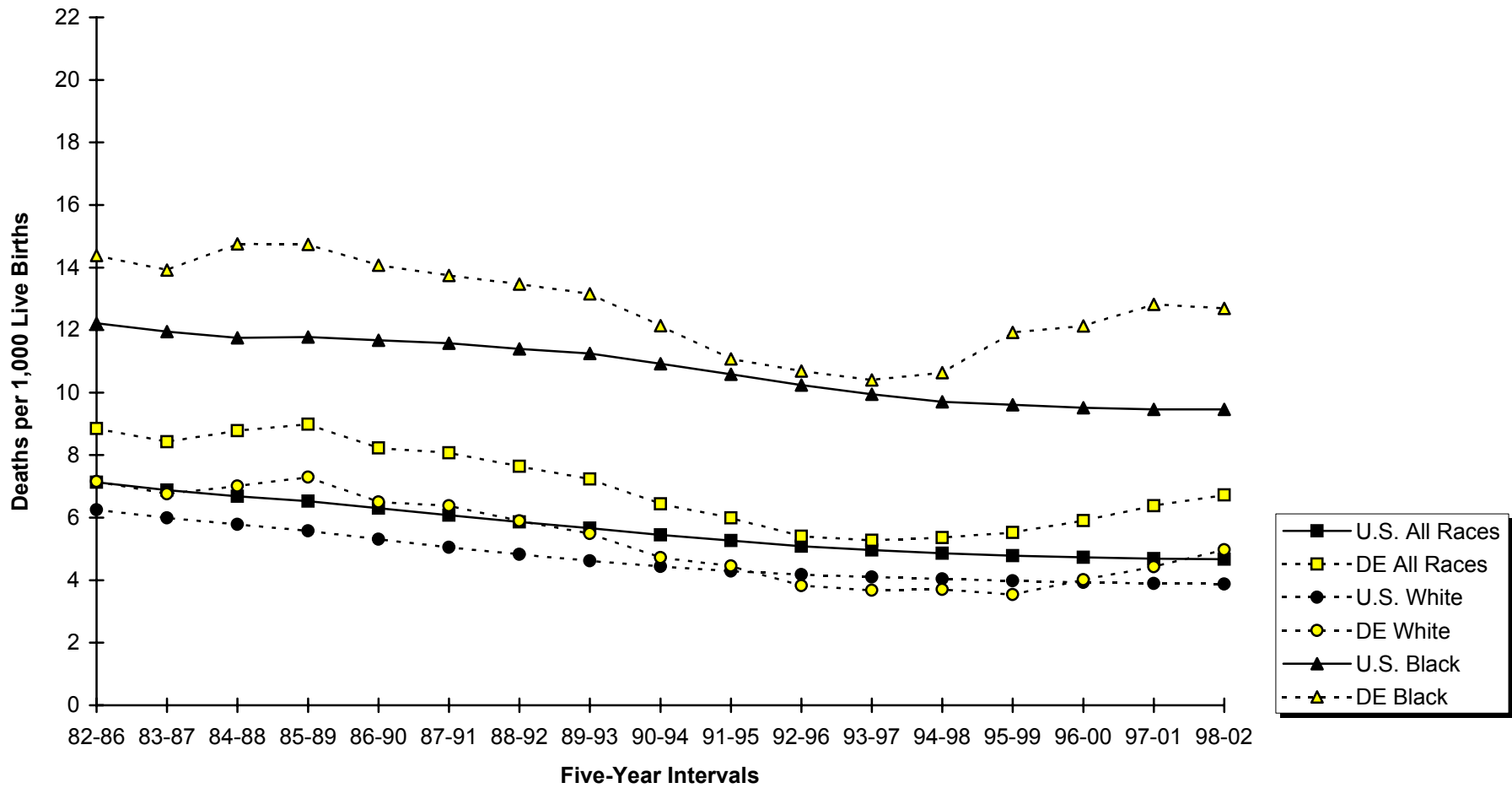
1. 1998-2002 US data are based on NCHS estimates.
2. N/A indicates data not available.
3. Neonatal mortality rates represent the number of deaths to children under 28 days of age per 1000 live births.
4. + indicates that the Delaware rate is significantly higher than the U.S. rate. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

National Center for Health Statistics
 Delaware Health Statistics Center

Figure E-3
Five-Year Average Neonatal Mortality Rates by Race

U.S. and Delaware, 1982-2002



Sources:
 Delaware Health Statistics Center
 National Center for Health Statistics

TABLE E-6
 FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1982-2002

Area/ Race	1982 -1986	1983 -1987	1984 -1988	1985 -1989	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002
U.S.																	
All Races	3.8	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.4	2.3
White	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0	2.0	1.9	1.9
Black	6.5	6.4	6.2	6.3	6.3	6.3	6.3	6.3	6.0	5.8	5.6	5.4	5.1	5.0	4.8	4.8	4.8
Delaware																	
All Races	3.4	3.4	3.3	3.3	3.1	3.4	3.2	3.1	2.9	2.9	2.5	2.5	2.6	2.6	2.5	2.6	2.4
White	2.5-	2.5-	2.6-	2.6-	2.4-	2.5	2.3-	2.0-	1.9-	2.0-	1.8-	1.9	2.2	2.2	2.2	2.2	2.0
Black	6.3	6.0	5.8	5.9	5.6	6.2	6.3	6.7	6.1	5.9	5.1	4.3	3.8-	3.9	3.8	4.3	4.1
Kent																	
All Races	3.3	3.0	3.6	3.8	4.0	4.1	4.7	4.1	3.9	3.7	3.5	3.2	3.6	3.0	2.7	2.7	2.7
White	2.9	2.8	3.4	3.5	3.4	3.3	3.6	2.9	2.9	3.0	3.0	3.1	3.7	2.8	2.9	2.4	2.5
Black	4.8	3.8	4.2	4.9	6.5	6.7	8.7	8.3	7.7	6.6	5.8	3.9	3.9	3.7	2.2	3.9	3.8
New Castle																	
All Races	3.5	3.4	3.2	3.0	2.7	3.0	2.9	2.8	2.7	2.6	2.2	2.1	2.3	2.5	2.4	2.5	2.2
White	2.5	2.6	2.4	2.3	2.1	2.2	2.0	1.8	1.7	1.7	1.4	1.4	1.7	1.9	1.8	2.0	1.8
Black	6.9	6.2	6.2	5.7	4.9	5.6	5.8	5.9	5.9	5.7	5.1	4.5	4.3	4.4	4.2	4.0	3.5
Wilmington																	
All Races	N/A	N/A	N/A	N/A	4.2	4.5	4.6	5.2	5.3	5.5	4.8	4.9	4.8	5.0	4.6	4.3	3.4
White	N/A	N/A	N/A	N/A	2.0	0.8	0.8	1.6	1.6	2.5	2.2	2.3	1.9	2.9	1.9	2.3	2.3
Black	N/A	N/A	N/A	N/A	5.4	6.6	6.7	7.2	7.5	7.3	6.3	6.5	6.6	6.3	6.2	5.5	4.2
Balance of NC County																	
All Races	N/A	N/A	N/A	N/A	2.3	2.6	2.5	2.2	2.0	1.9	1.6	1.5	1.7	1.9	1.9	2.1	2.0
White	N/A	N/A	N/A	N/A	2.1	2.3	2.1	1.9	1.7	1.6	1.3	1.3	1.6	1.8	1.8	1.9	1.8
Black	N/A	N/A	N/A	N/A	4.1	4.3	4.7	4.3	4.0	3.9	3.7	2.6	2.2	2.7	2.4	2.9	3.0
Sussex																	
All Races	3.1	3.8	3.5	4.1	3.9	4.4	3.0	3.4	2.7	3.2	2.9	3.4	2.7	2.5	2.8	3.3	2.9
White	1.8	2.2	2.5	2.8	2.7	3.1	1.9	1.8	1.6	2.1	2.1	2.9	2.7	2.5	2.5	2.7	2.0
Black	6.0	7.6	6.0	7.7	6.9	7.7	5.9	8.1	5.4	5.9	4.4	4.0	1.8	2.4	3.8	5.6	6.7

INFANT6

Notes:

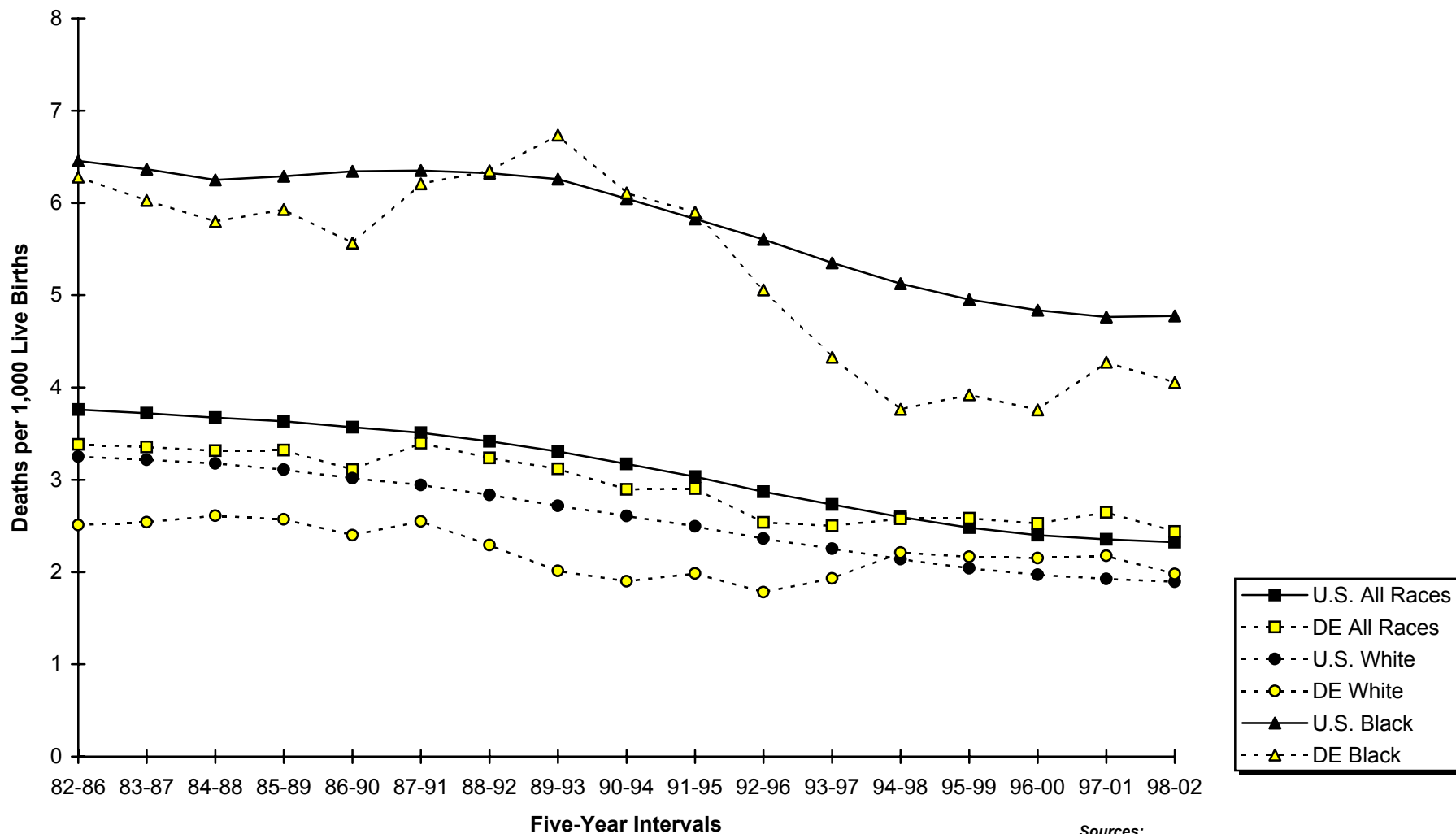
1. 1998-2002 US data based on NCHS estimates.
2. N/A indicates data not available.
3. Postneonatal mortality rates represent the number of deaths to children 28 to 364 days of age per 1000 live births.
4. - indicates that the Delaware rate is significantly lower than the U.S. rate. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

National Center for Health Statistics
 Delaware Health Statistics Center

Figure E-4
Five-Year Average Postneonatal Mortality Rates by Race

U.S. and Delaware, 1982-2002



Sources:
 Delaware Health Statistics Center
 National Center for Health Statistics

TABLE E-7
FIVE-YEAR AVERAGE
INFANT MORTALITY RATES BY SELECTED RISK FACTORS AND RACE OF MOTHER

DELAWARE, 1998-2002 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
Birth Weight of Child			
<2500	75.4	67.6	89.4
<1500	314.2	301.5	333.3
1500-2499	12.7	13.7	11.2
2500+	2.3	2.0	3.0
Age of Mother			
<20	12.0	10.2	14.1
20-24	9.5	6.8	15.5
25-29	7.0	5.3	13.9
30+	8.7	7.1	17.3
Marital Status of Mother			
Married	6.9	5.9	14.4
Single	11.9	9.0	15.6
Education of Mother			
<12 years	10.8	8.9	15.4
H.S. diploma	11.6	8.8	17.6
1+ years college	5.9	4.6	12.4
Trimester Care Received			
No prenatal care	56.5	58.4	57.3
First	8.2	6.3	14.6
Second	8.0	6.9	11.4
Third	8.1	6.5	9.7
Interval Since Last Live Birth			
<18 months	8.3	6.2	13.0
18+ months	6.8	5.6	10.9

COHRATES

Note:

1. Infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.

Source:

Delaware Health Statistics Center

TABLE E-8
NUMBER OF INFANT DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 1998-2002 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex											
	All Races			White			Black			Other		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
All Births	479	268	211	262	138	124	203	123	80	14	7	7
<2500	367	202	165	189	102	87	169	96	73	9	4	5
<1500	318	175	143	158	85	73	153	86	67	7	4	3
<500	151	84	67	65	35	30	84	49	35	2	0	2
500-999	147	80	67	82	44	38	60	32	28	5	4	1
1000-1499	20	11	9	11	6	5	9	5	4	0	0	0
1500-1999	27	15	12	16	9	7	10	6	4	1	0	1
2000-2499	22	12	10	15	8	7	6	4	2	1	0	1
2500+	112	66	46	73	36	37	34	27	7	5	3	2
2500-2999	38	19	19	23	7	16	11	10	1	4	2	2
3000-3499	46	27	19	35	18	17	10	8	2	1	1	0
3500-3999	20	15	5	11	9	2	9	6	3	0	0	0
4000-4499	7	5	2	3	2	1	4	3	1	0	0	0
4500+	1	0	1	1	0	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Single Births	375	212	163	194	102	92	170	105	65	11	5	6
<2500	264	146	118	122	66	56	136	78	58	6	2	4
<1500	222	122	100	97	52	45	121	68	53	4	2	2
<500	103	57	46	39	19	20	62	38	24	2	0	2
500-999	104	56	48	50	27	23	52	27	25	2	2	0
1000-1499	15	9	6	8	6	2	7	3	4	0	0	0
1500-1999	22	13	9	12	7	5	9	6	3	1	0	1
2000-2499	20	11	9	13	7	6	6	4	2	1	0	1
2500+	111	66	45	72	36	36	34	27	7	5	3	2
2500-2999	37	19	18	22	7	15	11	10	1	4	2	2
3000-3499	46	27	19	35	18	17	10	8	2	1	1	0
3500-3999	20	15	5	11	9	2	9	6	3	0	0	0
4000-4499	7	5	2	3	2	1	4	3	1	0	0	0
4500+	1	0	1	1	0	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Plural Births	104	56	48	68	36	32	33	18	15	3	2	1
<2500	103	56	47	67	36	31	33	18	15	3	2	1
<1500	96	53	43	61	33	28	32	18	14	3	2	1
<500	48	27	21	26	16	10	22	11	11	0	0	0
500-999	43	24	19	32	17	15	8	5	3	3	2	1
1000-1499	5	2	3	3	0	3	2	2	0	0	0	0
1500-1999	5	2	3	4	2	2	1	0	1	0	0	0
2000-2499	2	1	1	2	1	1	0	0	0	0	0	0
2500+	1	0	1	1	0	1	0	0	0	0	0	0
2500-2999	1	0	1	1	0	1	0	0	0	0	0	0
3000-3499	0	0	0	0	0	0	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

Note:

1. Infant deaths refer to deaths to children under one year of age.

PLBWRCSX

Source:

Delaware Health Statistics Center

TABLE E-9
NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 1998-2002 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex											
	All Races			White			Black			Other		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
All Births	361	201	160	192	104	88	160	93	67	9	4	5
<2500	319	180	139	163	91	72	150	87	63	6	2	4
<1500	292	163	129	145	79	66	142	82	60	5	2	3
<500	148	84	64	64	35	29	82	49	33	2	0	2
500-999	128	70	58	72	39	33	53	29	24	3	2	1
1000-1499	16	9	7	9	5	4	7	4	3	0	0	0
1500-1999	18	12	6	10	8	2	7	4	3	1	0	1
2000-2499	9	5	4	8	4	4	1	1	0	0	0	0
2500+	42	21	21	29	13	16	10	6	4	3	2	1
2500-2999	18	6	12	14	4	10	2	1	1	2	1	1
3000-3499	14	9	5	10	6	4	3	2	1	1	1	0
3500-3999	8	4	4	5	3	2	3	1	2	0	0	0
4000-4499	2	2	0	0	0	0	2	2	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Single Births	267	149	118	131	71	60	129	75	54	7	3	4
<2500	226	128	98	103	58	45	119	69	50	4	1	3
<1500	203	114	89	89	49	40	111	64	47	3	1	2
<500	100	57	43	38	19	19	60	38	22	2	0	2
500-999	92	50	42	45	25	20	46	24	22	1	1	0
1000-1499	11	7	4	6	5	1	5	2	3	0	0	0
1500-1999	16	10	6	8	6	2	7	4	3	1	0	1
2000-2499	7	4	3	6	3	3	1	1	0	0	0	0
2500+	41	21	20	28	13	15	10	6	4	3	2	1
2500-2999	17	6	11	13	4	9	2	1	1	2	1	1
3000-3499	14	9	5	10	6	4	3	2	1	1	1	0
3500-3999	8	4	4	5	3	2	3	1	2	0	0	0
4000-4499	2	2	0	0	0	0	2	2	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Plural Births	94	52	42	61	33	28	31	18	13	2	1	1
<2500	93	52	41	60	33	27	31	18	13	2	1	1
<1500	89	49	40	56	30	26	31	18	13	2	1	1
<500	48	27	21	26	16	10	22	11	11	0	0	0
500-999	36	20	16	27	14	13	7	5	2	2	1	1
1000-1499	5	2	3	3	0	3	2	2	0	0	0	0
1500-1999	2	2	0	2	2	0	0	0	0	0	0	0
2000-2499	2	1	1	2	1	1	0	0	0	0	0	0
2500+	1	0	1	1	0	1	0	0	0	0	0	0
2500-2999	1	0	1	1	0	1	0	0	0	0	0	0
3000-3499	0	0	0	0	0	0	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

Note:

1. Neonatal deaths refer to deaths to children under 28 days of age.

NEOPLBW

Source:

Delaware Health Statistics Center

TABLE E-10
RANKING OF FIVE-YEAR AVERAGE INFANT MORTALITY RATES

U.S., 50 STATES AND DISTRICT OF COLUMBIA, 1997-2001

State	All Races		White		Black	
	Rate	Rank	Rate	Rank	Rate	Rank
Alabama	9.7	3	7.1	4 *	15.2	22 *
Alaska**	6.8	30 *	5.6	34 *	10.9	45
Arizona	7.0	27 *	6.4	14 *	18.8	3
Arkansas	8.4	10	7.2	3	13.6	34 *
California	5.6	45 *	5.2	42 *	13.1	38
Colorado	6.4	38 *	6.1	21 *	16.2	13 *
Connecticut	6.6	34 *	5.6	34 *	14.7	28
Delaware	9.0	6	6.5	11 *	17.2	7
District of Columbia	12.7	1	3.7	51	16.5	12
Florida	7.2	23 *	5.6	34 *	12.9	39
Georgia	8.5	8 *	5.9	29 *	13.7	32 *
Hawaii**	7.0	27 *	5.1	46 *	10.8	46
Idaho**	6.9	29	6.9	6 *	15.5	21
Illinois	8.3	11 *	6.3	17 *	17.1	8 *
Indiana	7.8	17	6.9	6 *	15.9	18
Iowa	6.1	41 *	5.8	32 *	17.8	4
Kansas	7.2	23 *	6.7	9	14.8	25 *
Kentucky	7.1	25 *	6.6	10	12.3	41
Louisiana	9.3	5	6.1	21 *	13.9	31
Maine**	5.5	47 *	5.4	40 *	23.9	1
Maryland	8.3	11 *	5.2	42 *	14.6	29
Massachusetts	5.0	50	4.7	49 *	9.3	49
Michigan	8.1	13 *	6.1	21 *	17.5	5 *
Minnesota	5.8	44	5.1	46 *	13.7	32 *
Mississippi	10.4	2	6.8	8	14.8	25 *
Missouri	7.5	20	6.0	27 *	16.6	11
Montana**	6.8	30 *	6.3	17 *	15.2	22 *
Nebraska	7.1	25 *	6.4	14 *	17.5	5 *
Nevada	6.4	38 *	5.9	29 *	14.8	25 *
New Hampshire**	4.8	51	4.7	49 *	11.7	43 *
New Jersey	6.5	36 *	5.0	48	13.6	34 *
New Mexico**	6.7	33	6.3	17 *	17.1	8 *
New York	6.3	40	5.4	40 *	10.6	47
North Carolina	8.9	7	6.5	11 *	16.1	15 *
North Dakota**	7.7	18 *	7.1	4 *	6.8	50
Ohio	7.9	16	6.5	11 *	15.8	19
Oklahoma	8.1	13 *	7.4	2	15.2	22 *
Oregon	5.6	45 *	5.6	34 *	11.9	42
Pennsylvania	7.3	22	5.9	29 *	16.0	17
Rhode Island	6.6	34 *	6.0	27 *	12.5	40
South Carolina	9.4	4	6.1	21 *	15.7	20
South Dakota**	7.7	18 *	6.2	20	19.1	2
Tennessee	8.5	8 *	6.4	14 *	16.2	13 *
Texas	6.1	41 *	5.5	39	11.7	43 *
Utah**	5.3	49	5.2	42 *	9.5	48
Vermont**	6.1	41 *	6.1	21 *	6.7	51
Virginia	7.4	21	5.6	34 *	14.0	30
Washington	5.5	47 *	5.2	42 *	13.2	37
West Virginia	8.0	15	7.8	1	13.4	36
Wisconsin	6.8	30 *	5.8	32 *	16.7	10
Wyoming**	6.5	36 *	6.1	21 *	16.1	15 *
United States	7.0		5.8		14.2	

Notes:

INFSTATE

1. *Indicates a tied rank.
2. **Rate and rank for the black population should be interpreted with caution since the rate is based on less than 50 infant deaths.
3. Infant mortality rates represent the number of deaths under one year of age per 1,000 live births.
4. Infant mortality rates in this table may not match rates in the Infant Mortality Section of this report due to different data sources.
5. It should be noted that rankings do not have particular value for identifying population risk groups or in suggesting appropriate strategies or policy initiatives.

Sources:

Delaware Health Statistics Center
National Center for Health Statistics

Figure E-5

Five-Year Average Infant Mortality Rates (Infant Deaths per 1000 Live Births) 50 States and District of Columbia, 1997-2001

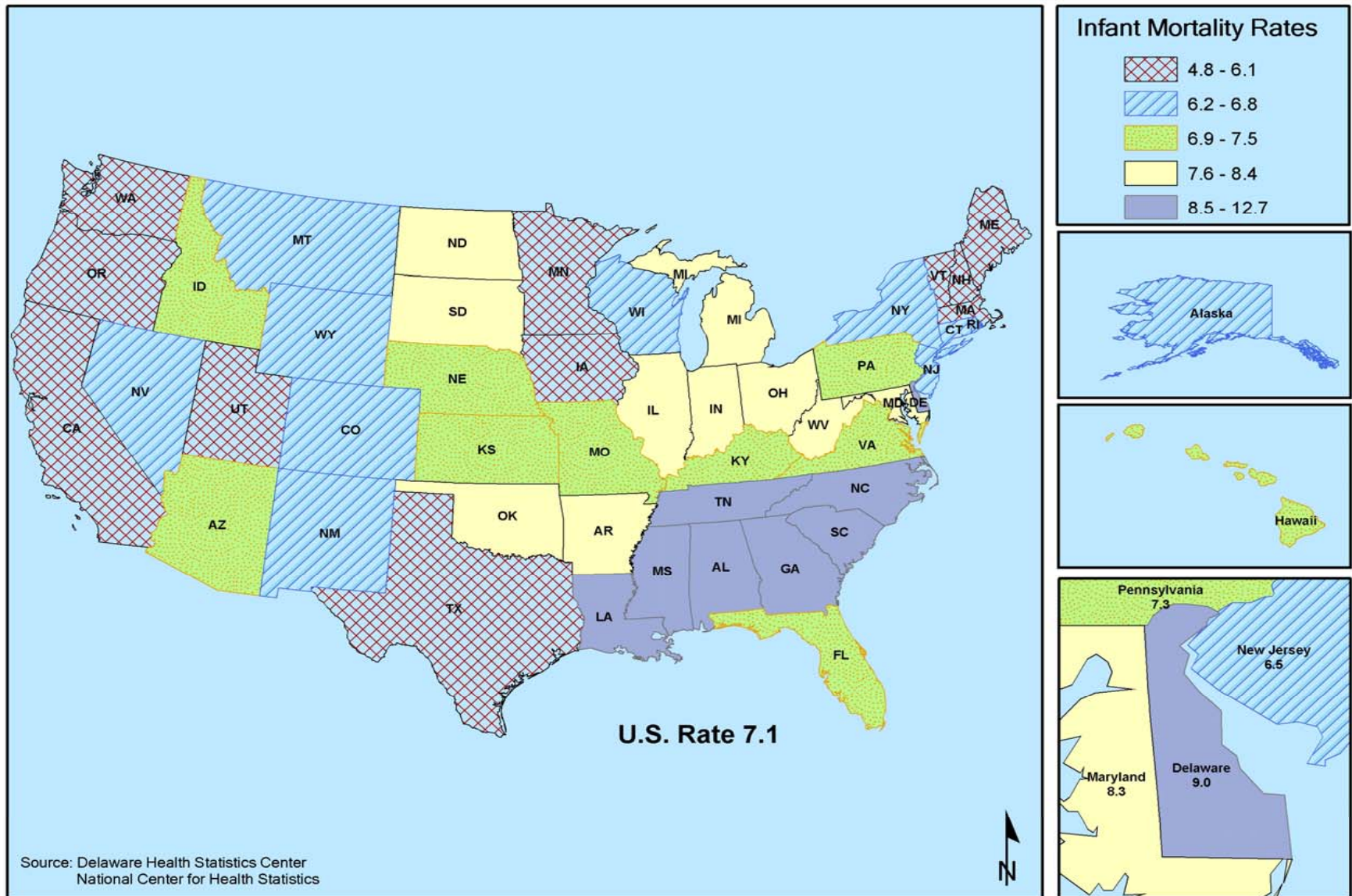


TABLE E-11
RANKING OF FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES

U.S., 50 STATES AND DISTRICT OF COLUMBIA, 1997-2001

State	All Races		White		Black	
	Rate	Rank	Rate	Rank	Rate	Rank
Alabama	6.3	5	4.5	7 *	10.2	25 *
Alaska**	3.2	51	2.9	51	5.0	49
Arizona	4.6	29 *	4.4	12 *	11.5	9
Arkansas	5.1	17 *	4.4	12 *	8.2	40
California	3.8	41 *	3.5	41 *	8.3	39
Colorado	4.4	34 *	4.2	18 *	11.1	13 *
Connecticut	5.0	20 *	4.3	17	10.5	20 *
Delaware	5.8	8 *	3.9	25 *	11.9	6 *
District of Columbia	9.5	1	3.2	49 *	11.9	6 *
Florida	4.7	26 *	3.7	34 *	8.4	37 *
Georgia	5.8	8 *	3.9	25 *	9.7	29
Hawaii**	4.8	23 *	3.5	41 *	8.5	36
Idaho**	4.7	26 *	4.6	5 *	10.6	18 *
Illinois	5.7	10	4.5	7 *	11.2	11 *
Indiana	5.3	13 *	4.7	3 *	10.5	20 *
Iowa	4.2	36	4.0	23 *	12.1	5
Kansas	4.8	23 *	4.5	7 *	9.8	27 *
Kentucky	4.7	26 *	4.4	12 *	8.4	37 *
Louisiana	5.9	7	3.9	25 *	8.8	35
Maine**	3.6	47 *	3.6	37 *	12.6	3
Maryland	6.0	6	3.6	37 *	10.7	17
Massachusetts	3.8	41 *	3.6	37 *	6.7	47
Michigan	5.5	11	4.1	20 *	11.9	6 *
Minnesota	3.8	41 *	3.4	46 *	9.6	30
Mississippi	6.5	2 *	4.1	20 *	9.4	31
Missouri	4.9	22	3.9	25 *	10.9	15
Montana**	3.9	39 *	3.6	37 *	10.4	22 *
Nebraska	5.1	17 *	4.6	5 *	12.3	4
Nevada	3.8	41 *	3.4	46 *	7.7	41 *
New Hampshire**	3.7	46	3.7	34 *	7.5	44
New Jersey	4.6	29 *	3.7	34 *	9.3	32
New Mexico**	3.9	39 *	3.8	32 *	12.9	2
New York	4.6	29 *	3.9	25 *	7.6	43
North Carolina	6.4	4	4.7	3 *	11.3	10
North Dakota**	4.5	33	4.4	12 *	2.3	50
Ohio	5.3	13 *	4.5	7 *	10.4	22 *
Oklahoma	5.0	20 *	4.8	2	9.2	33
Oregon**	3.6	47 *	3.5	41 *	7.0	45
Pennsylvania	5.2	15 *	4.2	18 *	11.2	11 *
Rhode Island**	4.8	23 *	4.5	7 *	8.9	34
South Carolina	6.5	2 *	4.1	20 *	11.1	13 *
South Dakota**	4.0	38	3.5	41 *	13.2	1
Tennessee	5.4	12	4.0	23 *	10.4	22 *
Texas	3.8	41 *	3.4	46 *	6.9	46
Utah**	3.5	49	3.5	41 *	6.2	48
Vermont**	4.4	34 *	4.4	12 *	0.0	51
Virginia	5.2	15 *	3.9	25 *	9.8	27 *
Washington	3.4	50	3.2	49 *	7.7	41 *
West Virginia**	5.1	17 *	4.9	1	10.6	18 *
Wisconsin	4.6	29 *	3.9	25 *	10.8	16
Wyoming**	4.1	37	3.8	32 *	10.2	25 *
United States	4.7		3.9		9.5	

Notes:

1. *Indicates a tied rank.
2. **Rate and rank for the black population should be interpreted with caution since the rate is based on less than 50 neonatal deaths.
3. Neonatal mortality rates represent the number of deaths under 28 days of age per 1,000 live births.
4. Neonatal mortality rates in this table may not match rates in the Infant Mortality Section of this report due to different data sources.
5. It should be noted that rankings do not have particular value for identifying population risk groups or in suggesting appropriate strategies or policy initiatives.

Sources:

Delaware Health Statistics Center
National Center for Health Statistics