

The feto-infant mortality number and rate, and the number and rates for the four Perinatal Periods of Risk Components

US urban Counties and Cities with over 250,000 population by State, 2000-2002

Rates are per 1,000 live births

N/A indicates rates are not calculated because of fewer than 10 deaths

Shading indicates major data reporting problems

Classification of major reporting problems

- A Over 10% missing infant deaths, 5% or more of them are unlinked
- B Over 10% missing infant deaths, 5% or more of them are linked
- C Over 10% missing fetal deaths
- D Over 10% imputed combined deaths, 10% or more imputed infant deaths
- E Over 10% imputed combined deaths, 10% or more imputed fetal deaths

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
Alabama	2,255	12.3	944	5.2	545	3.0	290	1.6	476	2.6	
Jefferson	384	13.9	179	6.5	90	3.3	43	1.6	72	2.6	
Birmingham	229	17.7	110	8.5	47	3.6	26	2.0	46	3.6	
Mobile	198	11.0	76	4.2	42	2.3	26	1.4	54	3.0	
Alaska	283	9.5	83	2.8	54	1.8	50	1.7	96	3.2	
Arizona	2,370	9.1	843	3.3	625	2.4	386	1.5	516	2.0	
Maricopa	1,458	8.7	533	3.2	382	2.3	246	1.5	297	1.8	
Mesa	185	7.7	66	2.8	49	2.0	27	1.1	43	1.8	
Phoenix	720	9.5	264	3.5	182	2.4	123	1.6	151	2.0	
Pima	353	9.5	131	3.5	90	2.4	52	1.4	80	2.1	
Tucson	299	8.5	117	3.3	63	1.8	47	1.3	72	2.1	
Arkansas	1,312	11.7	485	4.3	308	2.7	187	1.7	332	3.0	
Pulaski	208	12.2	89	5.2	43	2.5	30	1.8	46	2.7	
California	12,511	7.9	4,830	3.0	3,441	2.2	1,955	1.2	2,285	1.4	
Alameda	538	8.1	209	3.2	160	2.4	76	1.1	93	1.4	
Oakland	207	10.3	82	4.1	62	3.1	20	1.0	43	2.1	
Contra Costa	263	6.6	91	2.3	75	1.9	44	1.1	53	1.3	
Fresno	351	8.1	141	3.2	85	2.0	55	1.3	70	1.6	
Fresno	236	8.5	98	3.5	52	1.9	34	1.2	52	1.9	
Kern	366	10.2	135	3.8	108	3.0	43	1.2	80	2.2	
Los Angeles	3,602	7.8	1,452	3.1	989	2.1	531	1.1	630	1.4	
Long Beach	211	8.6	70	2.8	61	2.5	28	1.1	52	2.1	E
Los Angeles	1,573	8.1	617	3.2	435	2.2	238	1.2	283	1.5	
Monterey	152	7.4	50	2.4	42	2.0	32	1.6	28	1.4	
Orange	993	7.2	402	2.9	267	1.9	156	1.1	168	1.2	
Anaheim	154	7.7	57	2.8	39	1.9	32	1.6	26	1.3	
Santa Ana	201	7.9	87	3.4	55	2.2	30	1.2	29	1.1	
Riverside	647	8.4	227	2.9	188	2.4	105	1.4	127	1.6	
Sacramento	466	8.2	156	2.8	130	2.3	73	1.3	107	1.9	
Sacramento	332	9.9	111	3.3	93	2.8	52	1.5	76	2.3	
San Bernardino	793	9.0	320	3.6	182	2.1	125	1.4	166	1.9	
San Diego	955	7.2	356	2.7	254	1.9	161	1.2	184	1.4	
San Diego	398	7.1	137	2.4	109	1.9	72	1.3	80	1.4	
San Francisco*	184	7.3	79	3.1	58	2.3	18	0.7	29	1.1	
San Joaquin	289	9.7	121	4.1	66	2.2	53	1.8	49	1.7	
San Mateo	217	7.0	84	2.7	65	2.1	36	1.2	32	1.0	
Santa Barbara	116	6.8	39	2.3	30	1.8	27	1.6	20	1.2	
Santa Clara	526	6.4	202	2.5	165	2.0	84	1.0	75	0.9	
San Jose	340	6.8	130	2.6	107	2.2	52	1.0	51	1.0	
Solano	162	9.2	71	4.0	47	2.7	18	1.0	26	1.5	
Sonoma	136	8.0	59	3.5	31	1.8	27	1.6	19	1.1	
Stanislaus	218	9.6	91	4.0	54	2.4	32	1.4	41	1.8	
Tulare	204	9.2	78	3.5	48	2.2	35	1.6	43	1.9	
Ventura	239	6.9	89	2.6	78	2.2	48	1.4	24	0.7	

*City and County coincide

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
Colorado	1,601	8.0	645	3.2	416	2.1	232	1.2	308	1.5	
Adams	158	8.0	55	2.8	46	2.3	24	1.2	33	1.7	
Arapahoe	177	7.9	75	3.4	55	2.5	21	0.9	26	1.2	
Denver*	284	8.4	131	3.9	68	2.0	36	1.1	49	1.4	
El Paso	225	8.9	82	3.2	53	2.1	43	1.7	47	1.9	
Colorado Springs	192	9.2	69	3.3	43	2.1	38	1.8	42	2.0	
Jefferson	136	6.8	58	2.9	36	1.8	19	1.0	23	1.2	
Connecticut	909	7.1	434	3.4	205	1.6	135	1.1	135	1.1	
Fairfield	254	6.9	125	3.4	72	2.0	27	0.7	30	0.8	
Hartford	237	7.5	118	3.7	52	1.6	34	1.1	33	1.0	
New Haven	235	7.7	111	3.6	50	1.6	34	1.1	40	1.3	
New London	69	7.6	31	3.4	9	N/A	16	1.8	13	1.4	
Delaware	320	9.7	141	4.3	69	2.1	44	1.3	66	2.0	
New Castle	189	9.0	82	3.9	44	2.1	25	1.2	38	1.8	
District of Columbia	322	14.1	161	7.1	78	3.4	38	1.7	45	2.0	
Florida	6,034	9.8	2,566	4.2	1,522	2.5	791	1.3	1,155	1.9	
Brevard	124	8.5	48	3.3	29	2.0	22	1.5	25	1.7	
Broward	585	8.8	270	4.0	152	2.3	67	1.0	96	1.4	
Dade	867	8.9	368	3.8	263	2.7	106	1.1	130	1.3	
Miami	425	10.6	194	4.8	100	2.5	57	1.4	74	1.8	
Duval	414	11.4	197	5.4	72	2.0	51	1.4	94	2.6	
Jacksonville	391	11.4	184	5.4	72	2.1	50	1.5	85	2.5	
Escambia	165	14.2	73	6.3	24	2.1	22	1.9	46	3.9	
Hillsborough	453	10.1	176	3.9	117	2.6	56	1.3	104	2.3	
Tampa	224	9.1	91	3.7	45	1.8	28	1.1	60	2.4	
Lee	139	8.7	47	2.9	39	2.4	26	1.6	27	1.7	
Orange	416	9.8	188	4.4	94	2.2	47	1.1	87	2.0	
Palm Beach	425	10.3	185	4.5	105	2.6	60	1.5	75	1.8	
Pasco	105	9.1	42	3.6	22	1.9	20	1.7	21	1.8	
Pinellas	257	9.2	129	4.6	67	2.4	27	1.0	34	1.2	
Polk	223	10.8	93	4.5	50	2.4	34	1.6	46	2.2	
Sarasota	69	8.2	22	2.6	20	2.4	12	1.4	15	1.8	
Seminole	108	7.9	43	3.2	28	2.1	15	1.1	22	1.6	E
Volusia	141	10.3	59	4.3	36	2.6	15	1.1	31	2.3	
Georgia	4,433	11.1	1,989	5.0	951	2.4	641	1.6	852	2.1	
Cobb	298	9.5	131	4.2	68	2.2	55	1.7	44	1.4	
De Kalb	370	11.3	177	5.4	81	2.5	49	1.5	63	1.9	
Fulton	565	13.6	270	6.5	149	3.6	65	1.6	81	1.9	
Atlanta	405	14.5	187	6.7	106	3.8	50	1.8	62	2.2	
Gwinnett	263	8.0	115	3.5	59	1.8	42	1.3	47	1.4	
Hawaii	457	8.8	199	3.8	94	1.8	77	1.5	87	1.7	E
Honolulu	314	8.3	136	3.6	63	1.7	52	1.4	63	1.7	E
Honolulu	113	8.1	48	3.4	21	1.5	22	1.6	22	1.6	E
Idaho	573	9.2	185	3.0	152	2.4	111	1.8	125	2.0	
Illinois	5,313	9.7	2,250	4.1	1,263	2.3	733	1.3	1,067	1.9	
Cook	2,720	10.8	1,211	4.8	626	2.5	344	1.4	539	2.1	
Chicago	1,801	12.1	789	5.3	390	2.6	235	1.6	387	2.6	
Du Page	299	7.5	133	3.3	69	1.7	51	1.3	46	1.2	
Kane	188	7.8	86	3.6	38	1.6	25	1.0	39	1.6	
Lake	235	7.4	102	3.2	57	1.8	25	0.8	51	1.6	
St. Clair	138	12.4	55	4.9	38	3.4	13	1.2	32	2.9	
Will	215	8.3	98	3.8	60	2.3	25	1.0	32	1.2	
Winnebago	104	8.7	38	3.2	27	2.3	15	1.3	24	2.0	
Indiana	2,595	10.0	946	3.7	671	2.6	416	1.6	562	2.2	
Allen	158	10.0	56	3.6	38	2.4	29	1.8	35	2.2	
Lake	251	12.1	101	4.9	62	3.0	31	1.5	57	2.7	A
Marion	464	10.6	196	4.5	112	2.6	58	1.3	98	2.2	
Indianapolis	443	10.5	187	4.4	104	2.5	56	1.3	96	2.3	
Iowa	886	7.8	313	2.8	242	2.1	129	1.1	202	1.8	
Polk	131	7.1	47	2.5	40	2.2	17	0.9	27	1.5	

*City and County coincide

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
Kansas	1,032	8.7	382	3.2	248	2.1	162	1.4	240	2.0	
Johnson	144	6.8	55	2.6	35	1.6	24	1.1	30	1.4	
Sedgwick	208	9.1	97	4.2	36	1.6	34	1.5	41	1.8	
Wichita	186	9.5	89	4.5	28	1.4	32	1.6	37	1.9	
Kentucky	1,592	9.6	587	3.6	407	2.5	240	1.5	358	2.2	
Jefferson	307	10.4	119	4.0	79	2.7	48	1.6	61	2.1	
Louisville	236	11.0	91	4.2	59	2.8	37	1.7	49	2.3	
Louisiana	2,307	11.6	996	5.0	446	2.2	334	1.7	531	2.7	
East Baton Rouge	224	12.4	108	6.0	46	2.5	32	1.8	38	2.1	
Jefferson	185	9.8	70	3.7	44	2.3	26	1.4	45	2.4	
Orleans*	257	11.7	115	5.3	41	1.9	34	1.6	67	3.1	
Maine	283	6.9	94	2.3	84	2.1	61	1.5	44	1.1	E
Maryland	2,240	10.1	1,031	4.7	579	2.6	286	1.3	344	1.6	
Anne Arundel	144	7.3	64	3.2	32	1.6	25	1.3	23	1.2	
Baltimore	250	9.5	112	4.3	68	2.6	29	1.1	41	1.6	
Baltimore city*	453	15.2	200	6.7	116	3.9	60	2.0	77	2.6	
Montgomery	299	7.5	130	3.3	85	2.1	42	1.1	42	1.1	
Prince George's	488	13.2	263	7.1	109	3.0	46	1.2	70	1.9	
Massachusetts	1,540	6.4	687	2.8	428	1.8	190	0.8	235	1.0	
Bristol	133	6.6	51	2.5	36	1.8	22	1.1	24	1.2	
Essex	194	6.8	86	3.0	56	2.0	26	0.9	26	0.9	
Hampden	126	7.3	52	3.0	35	2.0	14	0.8	25	1.4	
Middlesex	319	5.7	148	2.6	87	1.6	33	0.6	51	0.9	
Norfolk	115	4.6	55	2.2	39	1.6	14	0.6	7	N/A	
Plymouth	118	6.1	54	2.8	31	1.6	17	0.9	16	0.8	
Suffolk	218	7.6	100	3.5	60	2.1	21	0.7	37	1.3	
Boston	189	7.8	90	3.7	49	2.0	18	0.7	32	1.3	
Worcester	200	6.6	79	2.6	53	1.8	30	1.0	38	1.3	
Michigan	3,592	9.0	1,593	4.0	710	1.8	533	1.3	756	1.9	
Genesee	207	11.0	87	4.6	36	1.9	26	1.4	58	3.1	
Ingham	87	7.9	46	4.2	15	1.4	12	1.1	14	1.3	
Kent	242	8.6	106	3.8	45	1.6	47	1.7	44	1.6	
Macomb	201	6.6	103	3.4	31	1.0	31	1.0	36	1.2	
Oakland	359	7.6	158	3.3	89	1.9	50	1.1	62	1.3	
Washtenaw	98	7.8	47	3.8	20	1.6	16	1.3	15	1.2	
Wayne	993	10.9	456	5.0	174	1.9	131	1.4	232	2.6	
Detroit	681	15.0	327	7.2	106	2.3	78	1.7	170	3.7	
Minnesota	1,518	7.5	482	2.4	445	2.2	259	1.3	332	1.6	
Dakota	101	6.4	27	1.7	36	2.3	16	1.0	22	1.4	
Hennepin	379	7.7	124	2.5	108	2.2	68	1.4	79	1.6	
Minneapolis	171	8.8	50	2.6	47	2.4	29	1.5	45	2.3	
Ramsey	176	7.9	64	2.9	51	2.3	20	0.9	41	1.8	
St Paul	141	9.2	49	3.2	41	2.7	17	1.1	34	2.2	
Mississippi	1,757	13.7	787	6.1	376	2.9	229	1.8	365	2.8	
Hinds	195	16.7	90	7.7	45	3.8	19	1.6	41	3.5	
Missouri	2,127	9.4	790	3.5	489	2.1	353	1.6	495	2.2	
Jackson	287	9.4	116	3.8	57	1.9	49	1.6	65	2.1	
Kansas City	220	9.9	97	4.4	40	1.8	31	1.4	52	2.3	
St. Louis	343	9.2	144	3.8	85	2.3	50	1.3	64	1.7	
St. Louis city	223	14.0	94	5.9	48	3.0	35	2.2	46	2.9	
Montana	291	8.8	89	2.7	67	2.0	62	1.9	73	2.2	
Nebraska	688	9.2	257	3.4	167	2.2	121	1.6	143	1.9	
Douglas	236	10.1	96	4.1	49	2.1	46	2.0	45	1.9	
Omaha	206	10.5	85	4.3	43	2.2	37	1.9	41	2.1	
Nevada	890	9.4	324	3.4	222	2.3	151	1.6	193	2.0	
Clark	655	9.5	228	3.3	163	2.4	119	1.7	145	2.1	
Las Vegas	341	7.8	113	2.6	72	1.7	73	1.7	83	1.9	
Washoe	149	9.6	60	3.9	39	2.5	18	1.2	32	2.1	E
New Hampshire	283	6.5	91	2.1	86	2.0	49	1.1	57	1.3	
Hillsborough	97	6.4	37	2.5	31	2.1	15	1.0	14	0.9	

*City and County coincide

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
New Jersey	2,917	8.4	1,304	3.8	771	2.2	375	1.1	467	1.3	
Bergen	214	6.7	99	3.1	57	1.8	30	0.9	28	0.9	
Burlington	113	7.2	49	3.1	31	2.0	15	0.9	18	1.1	
Camden	238	11.4	114	5.4	58	2.8	24	1.1	42	2.0	
Essex	450	12.3	206	5.6	126	3.4	41	1.1	77	2.1	
Newark	233	16.0	105	7.2	61	4.2	19	1.3	48	3.3	
Hudson	264	10.0	129	4.9	57	2.1	38	1.4	40	1.5	
Mercer	143	10.2	80	5.7	41	2.9	13	0.9	9	N/A	
Middlesex	228	7.2	94	3.0	77	2.4	24	0.8	33	1.0	
Monmouth	148	6.1	60	2.5	43	1.8	21	0.9	24	1.0	E
Morris	105	5.5	39	2.0	33	1.7	19	1.0	14	0.7	
Ocean	131	6.4	52	2.5	36	1.7	20	1.0	23	1.1	
Passaic	175	7.5	74	3.2	43	1.8	19	0.8	39	1.7	
Union	208	9.1	94	4.1	57	2.5	32	1.4	25	1.1	
New Mexico	676	8.2	261	3.2	133	1.6	125	1.5	157	1.9	
Bernalillo	194	7.6	85	3.3	35	1.4	33	1.3	41	1.6	
Albuquerque	190	7.8	83	3.4	34	1.4	32	1.3	41	1.7	
New York	6,993	9.1	3,162	4.1	1,981	2.6	809	1.1	1,041	1.4	E
Albany	101	10.4	41	4.2	25	2.6	14	1.4	21	2.2	E
New York City	3,669	10.2	1,755	4.9	1,075	3.0	381	1.1	458	1.3	E
Bronx borough	759	11.1	368	5.4	214	3.1	84	1.2	93	1.4	E
Brooklyn borough	1,421	11.8	711	5.9	395	3.3	129	1.1	186	1.5	E
Manhattan borough	539	8.9	239	4.0	159	2.6	67	1.1	74	1.2	E
Queens borough	801	8.5	369	3.9	261	2.8	83	0.9	88	0.9	E
Staten Island borough	149	8.5	68	3.9	46	2.6	18	1.0	17	1.0	E
Dutchess	74	7.5	32	3.3	23	2.3	10	1.0	9	N/A	C,E
Erie	294	9.0	110	3.4	91	2.8	38	1.2	55	1.7	
Buffalo	144	11.0	58	4.4	48	3.7	14	1.1	24	1.8	
Monroe	257	9.4	114	4.2	74	2.7	36	1.3	33	1.2	E
Nassau	372	7.5	190	3.8	94	1.9	40	0.8	48	1.0	C,E
Oneida	89	11.8	32	4.3	26	3.5	16	2.1	15	2.0	E
Onondaga	169	9.7	69	4.0	41	2.4	25	1.4	34	2.0	
Orange	113	7.5	42	2.8	35	2.3	16	1.1	20	1.3	E
Rockland	123	8.7	46	3.3	42	3.0	18	1.3	17	1.2	C,E
Suffolk	395	6.6	195	3.2	103	1.7	36	0.6	61	1.0	E
Westchester	277	7.2	127	3.3	78	2.0	27	0.7	45	1.2	C,E
North Carolina	3,680	10.3	1,632	4.6	874	2.5	486	1.4	688	1.9	
Cumberland	172	10.5	81	4.9	39	2.4	24	1.5	28	1.7	
Forsyth	137	10.0	61	4.4	40	2.9	10	0.7	26	1.9	
Guilford	187	10.5	83	4.6	46	2.6	24	1.3	34	1.9	
Mecklenburg	390	10.8	176	4.9	99	2.8	55	1.5	60	1.7	
Charlotte	347	10.9	159	5.0	83	2.6	50	1.6	55	1.7	
Wake	279	8.8	140	4.4	73	2.3	32	1.0	34	1.1	
North Dakota	232	10.0	82	3.6	48	2.1	46	2.0	56	2.4	
Ohio	4,311	9.4	1,766	3.9	985	2.2	659	1.4	901	2.0	
Butler	124	8.7	45	3.1	31	2.2	25	1.7	23	1.6	
Cuyahoga	550	10.1	254	4.7	114	2.1	79	1.5	103	1.9	
Cleveland	338	13.9	158	6.5	54	2.2	53	2.2	73	3.0	
Franklin	527	10.2	239	4.6	106	2.0	81	1.6	101	1.9	
Columbus	369	11.4	176	5.4	67	2.1	50	1.5	76	2.3	
Hamilton	380	10.5	172	4.8	62	1.7	65	1.8	81	2.2	
Cincinnati	243	13.7	104	5.9	35	2.0	42	2.4	62	3.5	
Lorain	101	9.1	40	3.6	26	2.3	10	0.9	25	2.2	
Lucas	190	9.9	78	4.1	47	2.5	25	1.3	40	2.1	
Toledo	153	10.2	63	4.2	37	2.5	21	1.4	32	2.1	
Mahoning	83	9.8	29	3.4	18	2.1	14	1.7	22	2.6	
Montgomery	237	10.5	101	4.5	48	2.1	34	1.5	54	2.4	
Stark	131	9.3	58	4.1	25	1.8	22	1.6	26	1.8	
Summit	164	7.8	65	3.1	43	2.1	17	0.8	39	1.9	

*City and County coincide

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
Oklahoma	1,421	9.5	506	3.4	291	1.9	252	1.7	372	2.5	C,E
Oklahoma	308	9.2	122	3.6	50	1.5	54	1.6	82	2.4	C,E
Oklahoma City	236	9.8	89	3.7	37	1.5	43	1.8	67	2.8	C,E
Tulsa	273	9.8	92	3.3	67	2.4	56	2.0	58	2.1	E
Tulsa	220	11.1	75	3.8	55	2.8	40	2.0	50	2.5	E
Oregon	1,087	8.0	366	2.7	295	2.2	194	1.4	232	1.7	
Clackamas	83	6.7	28	2.3	28	2.3	12	1.0	15	1.2	
Lane	102	9.4	38	3.5	25	2.3	15	1.4	24	2.2	
Multnomah	231	8.2	79	2.8	61	2.2	41	1.5	50	1.8	
Portland	185	7.6	67	2.7	45	1.8	32	1.3	41	1.7	
Washington	144	6.3	56	2.5	46	2.0	24	1.1	18	0.8	
Pennsylvania	3,851	8.9	1,539	3.6	971	2.2	601	1.4	740	1.7	
Allegheny	329	7.9	136	3.3	80	1.9	48	1.2	65	1.6	
Pittsburgh	116	10.1	52	4.5	23	2.0	14	1.2	27	2.3	
Berks	126	8.9	55	3.9	22	1.6	25	1.8	24	1.7	
Bucks	112	5.2	49	2.3	32	1.5	16	0.7	15	0.7	
Chester	145	8.3	64	3.6	36	2.0	25	1.4	20	1.1	
Delaware	177	8.7	85	4.2	45	2.2	19	0.9	28	1.4	
Erie	102	10.0	43	4.2	24	2.3	17	1.7	18	1.8	
Lancaster	205	10.1	73	3.6	53	2.6	42	2.1	37	1.8	
Lehigh	106	9.3	37	3.2	29	2.5	12	1.0	28	2.4	
Luzerne	78	8.7	33	3.7	19	2.1	16	1.8	10	1.1	E
Montgomery	191	6.7	81	2.8	56	2.0	34	1.2	20	0.7	
Philadelphia*	791	12.2	329	5.1	186	2.9	97	1.5	179	2.8	
Westmoreland	71	6.8	26	2.5	19	1.8	8	N/A	18	1.7	
York	93	6.8	38	2.8	28	2.0	9	N/A	18	1.3	
Rhode Island	307	8.1	129	3.4	90	2.4	40	1.1	48	1.3	
Providence	206	8.5	91	3.8	53	2.2	27	1.1	35	1.4	
South Carolina	2,052	12.3	926	5.5	503	3.0	267	1.6	356	2.1	
Charleston	167	12.2	83	6.0	44	3.2	27	2.0	13	0.9	
Greenville	172	10.5	67	4.1	59	3.6	16	1.0	30	1.8	
Richland	154	11.7	69	5.3	38	2.9	16	1.2	31	2.4	
South Dakota	275	8.7	83	2.6	63	2.0	42	1.3	87	2.8	
Tennessee	2,636	11.2	1,058	4.5	557	2.4	405	1.7	616	2.6	
Davidson	311	11.7	132	5.0	57	2.1	49	1.8	73	2.7	
Nashville-Davidson	299	11.5	125	4.8	56	2.2	47	1.8	71	2.7	
Hamilton	142	11.9	57	4.8	25	2.1	22	1.8	38	3.2	
Knox	122	8.5	40	2.8	28	2.0	23	1.6	31	2.2	
Shelby	631	14.5	257	5.9	159	3.7	70	1.6	145	3.3	
Memphis	556	16.5	221	6.6	140	4.2	62	1.8	133	4.0	
Texas	9,059	8.2	3,520	3.2	2,166	2.0	1,315	1.2	2,058	1.9	
Bexar	537	7.4	204	2.8	111	1.5	83	1.1	139	1.9	
San Antonio	490	7.3	180	2.7	99	1.5	80	1.2	131	1.9	
Cameron	165	6.5	71	2.8	32	1.3	27	1.1	35	1.4	E
Collin	159	5.7	67	2.4	39	1.4	19	0.7	34	1.2	
Dallas	1,153	9.0	452	3.5	300	2.3	172	1.3	229	1.8	
Dallas	700	9.4	268	3.6	193	2.6	100	1.3	139	1.9	
Denton	154	6.5	55	2.3	44	1.9	21	0.9	34	1.4	
El Paso	295	6.9	111	2.6	78	1.8	42	1.0	64	1.5	E
El Paso	273	7.0	106	2.7	72	1.8	36	0.9	59	1.5	E
Harris	1,497	7.8	618	3.2	371	1.9	178	0.9	330	1.7	
Houston	1,089	8.1	462	3.4	277	2.1	126	0.9	224	1.7	
Hidalgo	327	7.1	118	2.6	86	1.9	56	1.2	67	1.4	
Nueces	147	9.5	72	4.6	27	1.7	20	1.3	28	1.8	
Corpus Christi	136	9.8	66	4.8	25	1.8	18	1.3	27	2.0	
Tarrant	727	9.2	288	3.7	172	2.2	112	1.4	155	2.0	
Arlington	145	7.9	57	3.1	31	1.7	20	1.1	37	2.0	
Fort Worth	360	10.7	137	4.1	83	2.5	63	1.9	77	2.3	
Travis	312	7.2	101	2.3	95	2.2	45	1.0	71	1.6	
Austin	265	6.9	87	2.3	81	2.1	36	0.9	61	1.6	

*City and County coincide

	Feto-Infant Mortality		Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Major Reporting Problems
	Number	Rates	Number	Rates	Number	Rates	Number	Rates	Number	Rates	
Utah	1,018	7.0	332	2.3	268	1.9	204	1.4	214	1.5	
Salt Lake	397	7.2	136	2.5	98	1.8	79	1.4	84	1.5	
Utah	220	7.2	84	2.7	42	1.4	51	1.7	43	1.4	
Vermont	137	7.1	54	2.8	32	1.7	20	1.0	31	1.6	
Virginia	2,746	9.2	1,235	4.1	611	2.1	379	1.3	521	1.7	E
Fairfax	249	5.7	107	2.5	58	1.3	41	0.9	43	1.0	E
Norfolk city*	160	13.1	76	6.2	35	2.9	26	2.1	23	1.9	E
Virginia Beach city*	160	8.5	70	3.7	46	2.4	17	0.9	27	1.4	E
Washington	1,846	7.7	682	2.9	445	1.9	296	1.2	423	1.8	
King	430	6.5	173	2.6	118	1.8	63	1.0	76	1.2	B,E
Seattle	145	6.7	59	2.7	42	1.9	25	1.2	19	0.9	B,E
Pierce	279	9.2	115	3.8	50	1.7	50	1.7	64	2.1	
Snohomish	183	7.2	57	2.2	47	1.8	27	1.1	52	2.0	
Spokane	142	8.5	46	2.8	40	2.4	26	1.6	30	1.8	
West Virginia	661	10.6	255	4.1	161	2.6	95	1.5	150	2.4	
Wisconsin	1,889	9.1	647	3.1	520	2.5	321	1.5	401	1.9	
Dane	122	7.3	43	2.6	34	2.0	30	1.8	15	0.9	
Milwaukee	531	12.1	192	4.4	130	3.0	72	1.6	137	3.1	
Milwaukee	458	13.8	163	4.9	104	3.1	61	1.8	130	3.9	
Waukesha	71	5.4	25	1.9	26	2.0	9	N/A	11	0.8	
Wyoming	195	10.3	66	3.5	57	3.0	35	1.8	37	1.9	
USA	110,303	9.1	44,809	3.7	27,212	2.2	16,211	1.3	22,071	1.8	

Source: National Center for Health Statistics, perinatal mortality data
Prepared by the March of Dimes Perinatal Data Center, 2005

*City and County coincide

Percentage of missing¹ and imputed² infant and fetal deaths

US urban Counties and Cities with over 250,000 population by State, 2000-2002.

Shading identifies values of 10% or higher

	Percentage of Missing Deaths				Percentage of Imputed Deaths		
	Infant Deaths All (%)	Infant Deaths Unlinked (%)	Fetal Deaths (%)	Combined Deaths (%)	Infant Deaths (%)	Fetal Deaths (%)	Combined Deaths (%)
Alabama	1.3	0.1	0.5	0.9	1.1	3.9	2.3
Jefferson	1.8	0.0	0.4	1.2	1.7	3.4	2.3
Birmingham	1.0	0.0	0.0	0.5	2.1	1.2	1.7
Mobile	3.2	0.0	0.6	2.0	0.0	2.6	1.0
Alaska	2.9	1.9	2.1	2.6	1.6	8.7	3.9
Arizona	2.5	0.8	0.5	1.4	1.9	5.0	3.1
Maricopa	2.6	0.8	0.2	1.3	1.1	3.6	2.1
Mesa	4.3	1.4	0.6	2.3	0.9	1.3	1.1
Phoenix	2.1	0.8	0.2	1.1	1.4	3.7	2.4
Pima	3.5	0.8	1.5	2.4	4.3	7.6	5.7
Tucson	3.4	0.8	0.8	2.0	4.7	6.5	5.4
Arkansas	0.9	0.5	0.0	0.4	0.5	4.1	2.0
Pulaski	1.1	1.1	0.0	0.6	1.5	3.8	2.4
California	2.7	2.1	0.3	1.4	0.2	13.1	6.1
Alameda	2.5	2.5	0.2	1.2	0.4	8.2	4.3
Oakland	3.2	3.2	0.0	1.3	0.0	9.2	4.8
Contra Costa	2.8	2.3	0.0	1.3	0.0	5.7	2.7
Fresno	2.9	1.1	0.4	1.8	1.0	8.5	4.0
Fresno	4.0	1.5	0.7	2.6	0.0	8.0	3.0
Kern	0.8	0.8	0.4	0.6	0.5	15.9	7.7
Los Angeles	3.9	2.9	0.3	2.0	0.1	15.8	7.4
Long Beach	2.2	2.2	0.0	1.0	0.0	26.5	12.3
Los Angeles	4.9	3.8	0.3	2.4	0.0	16.6	7.8
Monterey	2.5	2.5	1.0	1.8	0.0	4.8	2.0
Orange	1.4	1.1	0.3	0.8	0.0	10.1	4.5
Anaheim	0.0	0.0	0.0	0.0	0.0	13.2	5.8
Santa Ana	1.5	0.8	1.4	1.4	0.0	9.4	4.5
Riverside	2.2	2.0	0.0	1.1	0.8	10.4	5.1
Sacramento	3.6	3.0	0.6	2.1	0.4	14.7	6.7
Sacramento	2.6	2.2	0.4	1.5	0.5	16.1	7.5
San Bernardino	2.0	1.3	0.4	1.3	0.2	13.0	5.4
San Diego	3.1	2.7	0.5	1.8	0.4	15.6	6.9
San Diego	3.9	2.9	0.4	2.3	0.4	16.6	7.0
San Francisco*	0.0	0.0	0.6	0.4	0.0	14.1	7.6
San Joaquin	1.9	1.9	0.0	1.0	0.0	16.4	6.9
San Mateo	2.2	2.2	1.3	1.7	0.0	7.8	3.7
Santa Barbara	1.2	0.0	0.0	0.5	0.0	16.7	6.9
Santa Clara	0.3	0.3	0.0	0.1	0.4	13.8	6.8
San Jose	0.5	0.5	0.0	0.2	0.6	13.6	6.8
Solano	0.0	0.0	0.9	0.5	0.0	13.6	6.8
Sonoma	0.0	0.0	0.0	0.0	0.0	16.1	7.4
Stanislaus	1.2	0.0	0.6	0.9	0.0	11.5	5.0
Tulare	2.8	2.1	0.8	1.9	0.8	14.6	6.4
Ventura	3.0	1.8	0.0	1.4	0.9	7.9	4.6
Colorado	2.2	0.1	0.0	1.1	1.2	6.8	3.6
Adams	3.2	0.0	0.0	1.7	0.0	6.3	2.5
Arapahoe	0.8	0.0	0.0	0.4	1.1	8.0	4.5
Denver*	3.6	0.0	0.0	1.9	1.9	5.6	3.5
El Paso	1.7	0.6	0.0	0.9	1.5	10.0	4.9
Colorado Springs	1.9	0.6	0.0	1.1	0.8	11.1	4.7
Jefferson	2.7	0.0	0.0	1.4	0.0	11.9	5.1

*City and County coincide

	Percentage of Missing Deaths				Percentage of Imputed Deaths		
	Infant Deaths All (%)	Infant Deaths Unlinked (%)	Fetal Deaths (%)	Combined Deaths (%)	Infant Deaths (%)	Fetal Deaths (%)	Combined Deaths (%)
Connecticut	1.9	0.4	0.4	1.1	0.4	7.4	3.1
Fairfield	1.5	1.0	0.3	0.8	0.7	8.1	3.9
Hartford	2.5	0.4	0.0	1.5	0.7	5.8	2.5
New Haven	2.0	0.0	0.0	1.0	0.0	7.6	3.0
New London	3.0	0.0	3.4	3.2	0.0	14.3	4.3
Delaware	0.6	0.3	1.7	1.0	0.0	6.5	2.2
New Castle	1.0	0.5	1.6	1.2	0.0	4.4	1.6
District of Columbia	3.1	1.2	4.6	4.0	1.1	12.3	5.9
Florida	1.6	0.3	1.4	1.5	1.0	6.7	3.5
Brevard	0.0	0.0	1.0	0.5	1.4	7.7	4.0
Broward	1.7	0.2	2.1	1.9	0.6	5.6	2.9
Dade	0.7	0.5	1.5	1.2	0.7	4.4	2.5
Miami	0.0	0.0	2.4	1.3	0.4	2.8	1.4
Duval	2.7	0.3	1.0	2.0	0.4	2.3	1.0
Jacksonville	2.6	0.3	1.0	1.9	0.4	2.4	1.0
Escambia	0.0	0.0	0.0	0.0	0.0	1.9	0.6
Hillsborough	2.4	0.8	0.3	1.4	1.1	7.1	3.5
Tampa	2.3	0.9	0.0	1.4	2.0	7.0	3.6
Lee	5.6	0.9	1.7	3.6	0.0	7.8	3.6
Orange	2.6	0.3	3.3	3.0	1.3	11.6	5.8
Palm Beach	0.3	0.0	4.1	2.3	0.0	15.6	6.6
Pasco	0.0	0.0	0.0	0.0	1.6	9.8	4.8
Pinellas	1.5	0.0	0.0	0.7	0.0	8.1	3.9
Polk	0.6	0.0	0.0	0.3	0.0	2.0	0.9
Sarasota	0.0	0.0	0.0	0.0	2.4	0.0	1.4
Seminole	1.3	0.0	1.9	1.7	5.0	22.9	13.0
Volusia	0.0	0.0	0.0	0.0	1.2	8.5	4.3
Georgia	0.7	0.1	3.8	3.1	0.5	15.0	6.2
Cobb	1.0	0.0	3.2	2.9	0.6	13.4	5.7
De Kalb	0.7	0.0	2.8	2.3	0.5	19.5	8.1
Fulton	1.4	0.0	4.7	4.2	0.7	15.1	7.6
Atlanta	0.0	0.0	5.3	4.3	1.0	15.3	7.9
Gwinnett	0.0	0.0	1.7	1.4	0.7	14.0	6.5
Hawaii	5.9	1.6	5.3	5.4	2.4	33.7	13.6
Honolulu	6.5	1.1	6.2	6.3	3.3	41.9	16.2
Honolulu	3.2	1.1	5.8	5.5	3.8	50.0	17.7
Idaho	1.0	0.2	0.0	0.5	2.7	7.3	4.5
Illinois	2.2	1.1	0.2	1.3	0.7	8.1	3.6
Cook	2.3	1.4	0.3	1.4	0.7	8.5	3.8
Chicago	2.6	1.6	0.4	1.5	0.5	7.8	3.3
Du Page	3.8	0.8	0.0	2.1	1.6	9.7	4.7
Kane	0.6	0.0	0.0	0.3	1.7	4.3	2.7
Lake	3.1	2.5	0.0	1.4	0.7	17.3	7.7
St. Clair	0.9	0.0	0.0	0.5	1.3	3.3	2.2
Will	1.7	0.0	0.0	0.9	0.0	3.1	1.4
Winnebago	1.0	1.0	0.0	0.6	0.0	7.5	2.9
Indiana	4.2	2.6	1.1	2.8	2.6	12.2	6.6
Allen	2.9	1.0	0.0	1.4	2.3	8.5	5.1
Lake	12.0	11.5	5.0	8.8	3.4	12.4	7.2
Marion	4.8	1.3	0.3	2.7	3.2	14.6	7.8
Indianapolis	5.0	1.4	0.3	2.8	3.3	13.8	7.4
Iowa	0.6	0.2	0.2	0.4	0.2	2.7	1.2
Polk	0.0	0.0	0.0	0.0	0.0	1.8	0.8
Kansas	2.0	1.3	0.4	1.4	0.2	2.5	1.1
Johnson	1.8	1.8	0.0	1.0	0.0	0.0	0.0
Sedgwick	3.0	1.0	0.0	1.9	0.0	0.0	0.0
Wichita	3.2	1.1	0.0	2.1	0.0	0.0	0.0

*City and County coincide

	Percentage of Missing Deaths				Percentage of Imputed Deaths		
	Infant Deaths All (%)	Infant Deaths Unlinked (%)	Fetal Deaths (%)	Combined Deaths (%)	Infant Deaths (%)	Fetal Deaths (%)	Combined Deaths (%)
Kentucky	2.1	0.7	0.2	1.1	2.0	3.1	2.4
Jefferson	2.0	0.0	0.0	0.9	1.7	3.1	2.3
Louisville	2.4	0.0	0.0	1.2	2.1	1.1	1.7
Louisiana	3.5	3.0	1.4	2.5	0.4	6.1	2.5
East Baton Rouge	6.0	2.7	0.5	3.2	0.0	4.3	1.8
Jefferson	2.1	2.1	1.3	1.7	0.0	6.8	2.7
Orleans*	1.4	1.4	4.8	2.7	0.0	7.7	2.3
Maine	2.4	1.4	0.0	1.2	1.3	25.6	12.7
Maryland	1.9	1.1	0.9	1.4	0.9	4.1	2.3
Anne Arundel	3.3	0.8	0.0	1.8	1.1	0.0	0.7
Baltimore	2.4	1.4	0.5	1.5	0.0	6.3	2.8
Baltimore city*	0.6	0.3	0.5	0.6	0.8	3.3	2.0
Montgomery	1.4	1.4	0.6	0.9	1.3	7.5	4.3
Prince George's	2.2	1.0	1.6	1.9	0.7	3.4	1.8
Massachusetts	3.2	0.9	0.3	1.6	2.9	4.9	3.8
Bristol	2.7	0.0	0.8	1.4	2.6	9.1	5.3
Essex	2.9	0.7	0.0	1.4	1.0	6.3	3.6
Hampden	5.9	5.0	0.0	3.2	1.4	1.8	1.6
Middlesex	3.0	1.3	0.4	1.7	1.2	4.8	2.8
Norfolk	3.9	0.0	0.0	1.5	2.0	9.4	6.1
Plymouth	1.2	0.0	1.0	1.1	4.5	3.8	4.2
Suffolk	2.2	0.6	0.0	1.0	5.0	3.1	4.1
Boston	2.4	0.6	0.0	1.1	4.6	2.5	3.7
Worcester	3.0	0.6	0.0	1.5	6.8	0.0	4.0
Michigan	3.1	0.3	0.0	1.8	1.4	1.1	1.3
Genesee	5.0	0.0	0.0	3.5	0.7	1.8	1.0
Ingham	5.5	0.0	0.0	2.8	1.8	3.2	2.3
Kent	3.0	0.0	0.0	1.9	0.0	1.4	0.4
Macomb	1.7	0.0	0.0	1.0	1.4	0.0	1.0
Oakland	6.0	0.3	0.0	2.9	3.6	0.0	1.9
Washtenaw	4.5	0.0	0.0	2.6	3.1	0.0	2.0
Wayne	3.3	0.4	0.0	1.9	1.6	2.0	1.7
Detroit	3.5	0.3	0.0	2.2	1.2	2.1	1.5
Minnesota	0.8	0.2	3.8	2.3	1.3	11.0	5.4
Dakota	0.0	0.0	3.9	2.1	0.0	6.5	3.0
Hennepin	1.1	0.0	4.4	2.8	1.9	17.6	9.0
Minneapolis	1.5	0.0	5.5	3.6	3.0	16.9	8.8
Ramsey	0.7	0.0	6.7	3.7	0.0	12.7	5.7
St Paul	0.9	0.0	4.8	2.8	0.0	7.8	3.5
Mississippi	1.3	0.2	0.2	0.8	0.6	2.1	1.2
Hinds	0.0	0.0	0.0	0.0	0.0	2.8	1.0
Missouri	1.5	0.3	0.2	0.9	1.0	2.9	1.7
Jackson	1.8	0.4	0.6	1.2	2.2	1.9	2.1
Kansas City	2.7	1.1	0.8	1.9	0.7	2.4	1.4
St. Louis	2.4	0.0	0.0	1.3	0.0	3.6	1.5
St. Louis city	1.0	0.0	0.6	0.8	3.5	1.3	2.7
Montana	3.1	0.4	0.6	2.1	2.1	3.0	2.4
Nebraska	1.1	0.2	0.0	0.6	0.7	3.0	1.6
Douglas	1.6	0.0	0.0	0.9	0.0	4.5	1.7
Omaha	1.2	0.0	0.0	0.7	0.0	5.2	1.9
Nevada	2.2	1.9	0.1	1.1	0.0	16.5	7.3
Clark	1.4	1.1	0.0	0.6	0.0	5.0	2.1
Las Vegas	1.1	1.1	0.0	0.6	0.0	7.7	2.6
Washoe	4.8	3.6	0.0	1.7	0.0	48.1	24.8
New Hampshire	1.9	0.5	0.0	1.0	0.6	6.6	3.2
Hillsborough	1.5	0.0	0.0	0.7	0.0	10.6	5.2

*City and County coincide

	Percentage of Missing Deaths				Percentage of Imputed Deaths		
	Infant Deaths All (%)	Infant Deaths Unlinked (%)	Fetal Deaths (%)	Combined Deaths (%)	Infant Deaths (%)	Fetal Deaths (%)	Combined Deaths (%)
New Jersey	3.7	2.8	0.6	1.8	1.5	10.4	5.5
Bergen	5.4	2.7	0.0	1.6	2.8	7.6	5.1
Burlington	1.1	0.0	0.9	1.0	1.4	6.8	3.5
Camden	2.0	1.0	0.6	1.4	1.4	14.4	6.3
Essex	5.2	5.2	1.5	2.7	0.4	10.4	4.9
Newark	5.2	5.2	2.3	3.2	0.8	11.9	5.6
Hudson	4.0	3.5	0.0	1.5	0.7	4.5	2.3
Mercer	2.0	1.0	0.7	1.2	3.0	11.7	7.7
Middlesex	4.2	1.8	0.3	1.7	3.4	10.9	7.0
Monmouth	4.7	4.7	0.4	1.5	0.0	22.8	12.2
Morris	1.7	1.7	0.0	0.6	0.0	15.4	7.6
Ocean	2.4	2.4	1.5	1.8	0.0	14.3	6.9
Passaic	5.8	5.1	0.6	3.1	3.8	1.4	2.9
Union	4.7	2.7	0.8	2.2	0.9	10.3	5.3
New Mexico	5.0	2.9	0.0	3.2	3.9	1.7	3.1
Bernalillo	4.3	1.9	0.0	2.9	6.3	1.5	4.6
Albuquerque	4.4	1.9	0.0	2.9	6.4	1.5	4.7
New York	1.8	1.1	5.0	4.8	0.4	30.3	15.1
Albany	0.0	0.0	8.0	6.9	0.0	31.6	11.9
New York City	1.1	0.9	1.0	1.0	0.3	26.1	13.8
Bronx borough	0.7	0.7	0.8	0.8	0.0	25.0	12.9
Brooklyn borough	0.7	0.6	0.8	0.8	0.3	23.3	12.2
Manhattan borough	1.9	1.6	0.4	0.5	0.4	30.1	16.1
Queens borough	1.5	1.1	2.0	1.9	0.5	29.7	16.1
Staten Island borough	1.1	1.1	0.6	0.6	0.0	23.4	12.1
Dutchess	0.0	0.0	21.6	18.8	0.0	57.5	31.1
Erie	2.8	0.8	3.1	3.0	0.6	15.4	7.5
Buffalo	4.0	0.8	2.3	2.6	1.4	15.7	8.3
Monroe	2.5	0.0	2.8	2.7	0.0	20.8	10.1
Nassau	2.3	1.5	24.6	23.3	0.5	56.3	28.0
Oneida	4.2	2.8	2.9	3.0	2.2	20.5	11.2
Onondaga	3.5	0.0	5.2	4.9	0.9	15.9	6.5
Orange	5.3	4.0	8.2	8.0	0.0	45.8	23.9
Rockland	1.6	1.6	40.2	37.6	1.9	42.0	24.4
Suffolk	1.0	1.0	5.9	5.6	0.5	66.3	29.6
Westchester	2.2	2.2	11.2	10.4	1.3	37.5	18.1
North Carolina	2.1	0.2	0.8	1.5	1.1	5.6	2.9
Cumberland	4.6	0.0	0.0	2.5	1.0	4.2	2.3
Forsyth	3.9	1.6	0.0	2.2	0.0	13.8	5.8
Guilford	1.9	0.6	0.0	1.1	7.3	3.9	5.9
Mecklenburg	0.7	0.0	0.3	0.5	0.0	3.6	1.5
Charlotte	0.8	0.0	0.4	0.6	0.0	3.5	1.4
Wake	2.6	0.5	1.3	1.9	0.6	8.1	3.9
North Dakota	0.6	0.0	0.7	0.6	1.3	4.8	2.6

	Percentage of Missing Deaths				Percentage of Imputed Deaths		
	Infant Deaths All (%)	Infant Deaths Unlinked (%)	Fetal Deaths (%)	Combined Deaths (%)	Infant Deaths (%)	Fetal Deaths (%)	Combined Deaths (%)
Ohio	3.3	1.8	0.6	2.1	1.0	6.6	3.2
Butler	2.8	0.9	0.0	1.6	1.2	7.0	3.2
Cuyahoga	4.7	3.4	0.7	3.0	2.0	5.8	3.5
Cleveland	3.9	2.7	1.0	2.7	2.6	5.7	3.6
Franklin	2.8	0.7	0.6	1.8	0.3	7.5	3.0
Columbus	3.1	0.9	0.4	1.9	0.4	8.1	3.3
Hamilton	5.8	2.5	0.4	3.7	3.1	3.3	3.2
Cincinnati	6.7	2.5	0.0	4.2	3.0	0.0	2.1
Lorain	8.1	5.8	0.0	4.6	3.4	0.0	2.0
Lucas	3.1	0.6	0.7	2.0	0.9	1.3	1.1
Toledo	3.7	0.7	0.9	2.4	1.1	1.6	1.3
Mahoning	1.5	0.0	2.0	1.7	0.0	27.6	9.6
Montgomery	3.7	2.1	0.0	1.9	0.0	3.8	1.3
Stark	0.9	0.9	0.0	0.5	3.7	14.0	7.6
Summit	4.1	2.7	0.9	2.7	0.0	11.8	4.9
Oklahoma	7.5	5.2	29.4	17.1	0.9	44.0	14.6
Oklahoma	9.7	7.3	38.2	21.9	0.9	47.2	14.3
Oklahoma City	8.6	6.4	37.0	20.3	0.6	46.2	13.1
Tulsa	4.9	4.0	5.9	5.3	0.0	31.2	10.6
Tulsa	5.6	4.5	5.3	5.5	0.0	29.9	10.5
Oregon	1.2	0.1	0.0	0.6	0.5	3.7	1.8
Clackamas	1.9	0.0	0.0	0.8	0.0	11.9	6.0
Lane	0.0	0.0	0.0	0.0	0.0	2.6	1.0
Multnomah	1.3	0.0	0.0	0.6	0.8	2.9	1.7
Portland	0.8	0.0	0.0	0.4	0.9	2.5	1.6
Washington	0.0	0.0	0.0	0.0	0.0	2.7	1.4
Pennsylvania	2.8	0.2	4.5	3.8	0.9	14.0	6.2
Allegheny	5.3	0.3	1.9	3.4	1.9	15.4	7.0
Pittsburgh	4.7	0.0	2.9	3.6	2.6	15.0	6.9
Berks	1.7	0.0	6.0	4.0	1.2	11.1	4.8
Bucks	1.9	0.0	9.7	6.6	1.5	21.3	9.8
Chester	1.7	0.0	8.4	5.8	0.0	12.9	5.5
Delaware	1.6	0.8	6.4	4.6	0.0	17.1	7.3
Erie	2.1	0.0	8.3	5.3	0.0	15.4	5.9
Lancaster	3.3	0.0	2.5	2.8	0.0	10.7	4.4
Lehigh	5.7	1.1	1.3	2.9	0.0	0.0	0.0
Luzerne	0.0	0.0	3.6	2.5	2.5	18.4	10.3
Montgomery	3.6	0.0	1.7	2.4	1.9	12.9	6.8
Philadelphia*	3.0	0.3	4.7	4.1	0.6	17.9	7.3
Westmoreland	3.4	0.0	7.8	6.0	2.4	10.0	5.6
York	2.7	0.0	2.4	2.5	6.0	9.3	7.5
Rhode Island	3.1	0.8	3.3	3.3	4.7	16.2	9.8
Providence	2.7	1.1	3.4	3.4	5.0	11.5	7.8
South Carolina	0.5	0.0	0.3	0.4	0.8	3.0	1.8
Charleston	0.0	0.0	1.6	0.8	1.0	2.9	1.8
Greenville	2.1	0.0	0.0	0.8	0.0	4.2	2.3
Richland	0.0	0.0	0.0	0.0	1.1	0.0	0.6
South Dakota	1.5	0.0	0.0	0.9	0.0	0.0	0.0
Tennessee	1.2	0.0	0.4	1.0	0.8	2.9	1.6
Davidson	0.4	0.0	0.0	0.3	1.4	3.9	2.3
Nashville-Davidson	0.4	0.0	0.0	0.3	1.5	4.1	2.3
Hamilton	0.0	0.0	0.0	0.0	1.0	2.3	1.4
Knox	1.3	0.0	0.0	0.7	0.0	0.0	0.0
Shelby	2.7	0.0	0.3	1.9	1.1	2.3	1.6
Memphis	2.8	0.0	0.4	2.0	1.2	1.8	1.4

*City and County coincide

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Texas	5.0	3.0	2.3	3.6	2.0	12.1	6.1
Bexar	3.4	2.0	2.0	2.7	3.6	19.0	8.8
San Antonio	3.6	2.2	2.2	3.0	3.6	20.4	8.8
Cameron	3.4	3.4	3.4	3.4	2.0	23.8	10.3
Collin	7.1	5.1	1.3	3.6	4.8	14.7	9.4
Dallas	7.2	5.3	0.6	3.8	2.4	3.8	3.0
Dallas	7.6	5.6	0.2	3.7	2.4	4.3	3.3
Denton	4.5	1.8	0.9	2.7	1.1	13.8	6.5
El Paso	6.0	3.3	9.1	7.7	1.3	30.4	14.6
El Paso	6.5	3.5	9.2	8.0	1.4	32.3	15.8
Harris	5.8	3.5	1.8	3.7	1.3	8.0	4.1
Houston	6.6	4.1	1.9	4.1	0.6	8.1	3.9
Hidalgo	5.5	5.0	0.8	2.9	0.0	8.1	3.7
Nueces	5.1	4.1	1.6	3.1	1.2	14.8	6.8
Corpus Christi	5.5	4.4	0.9	2.9	1.3	14.0	6.6
Tarrant	3.1	1.7	4.2	3.7	2.6	15.9	8.1
Arlington	6.9	5.4	8.5	7.7	2.2	19.2	8.3
Fort Worth	1.9	0.4	2.7	2.3	3.3	14.3	7.8
Travis	6.6	2.6	0.3	3.1	3.4	7.2	5.1
Austin	7.3	2.6	0.4	3.4	0.7	8.3	4.2
Utah	3.4	0.8	0.0	1.7	2.2	6.5	3.9
Salt Lake	5.7	1.0	0.0	3.0	2.6	4.9	3.5
Utah	0.6	0.0	0.0	0.3	1.4	6.3	3.2
Vermont	0.0	0.0	0.0	0.0	2.5	16.1	8.0
Virginia	1.7	0.6	6.9	6.4	2.2	38.4	16.9
Fairfax	0.5	0.5	3.3	3.2	2.8	41.1	19.3
Norfolk city*	3.9	2.3	3.1	3.2	6.3	31.3	16.3
Virginia Beach city*	0.8	0.0	2.5	2.3	2.4	33.3	16.9
Washington	4.4	0.4	1.1	2.8	1.0	18.4	8.2
King	10.1	0.0	0.3	4.8	0.9	31.7	15.6
Seattle	12.6	0.0	0.8	5.9	2.8	25.7	14.5
Pierce	3.3	0.9	1.2	2.3	0.5	14.7	5.4
Snohomish	3.1	0.8	0.7	1.9	0.0	15.7	7.1
Spokane	1.0	0.0	0.0	0.5	1.1	7.3	3.5
West Virginia	0.8	0.2	3.5	2.3	1.5	4.9	2.9
Wisconsin	1.6	0.0	0.1	0.9	1.1	2.0	1.5
Dane	1.1	0.0	0.0	0.5	0.0	1.9	0.8
Milwaukee	2.4	0.0	0.0	1.4	0.9	2.4	1.5
Milwaukee	1.5	0.0	0.0	0.9	1.1	2.3	1.5
Waukesha	0.0	0.0	0.0	0.0	5.6	0.0	2.8
Wyoming	0.0	0.0	0.0	0.0	2.8	3.5	3.1
USA	2.5	1.2	3.6	3.3	1.1	11.2	5.3

Source: National Center for Health Statistics, perinatal mortality data
Prepared by the March of Dimes Perinatal Data Center, 2005

¹ Percentage of Missing Deaths means the percentage of deaths that cannot be included in reported rates on subsequent tables. These are records where both gestational age and birthweight are missing. This includes the percentage of infant death certificates that could not be linked to birth certificates at the city/county level. Some of these records are for infant and fetal deaths less than 500 grams or 24 weeks gestational age and would not have been reported in rates in subsequent tables, and therefore, rates cannot necessarily be inflated by these percentages.

² Percent of Imputed Deaths means the percentage of deaths where birthweight or gestational age was missing and a new value was estimated based on the known birthweight or gestational age. The percentage estimates the potential bias of this procedure on the overall rate. For infant deaths, gestational ages less than 31 weeks are treated as birthweight less than 1500 grams, and gestational ages less than 22 weeks are treated as birthweight less than 500 grams. For fetal deaths, gestational ages less than 32 weeks are treated as birthweight less than 1500 grams, and gestational ages less than 24 weeks are treated as birthweight less than 500 grams.