

Table 1C: Percentage of missing¹ and imputed² infant and fetal deaths,

US urban Counties and Cities with over 250,000 population by State, 1998-2000. Shading identifies values of 10% or higher.

Urban Counties and Cities	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²			
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths	
AL	ALABAMA	1.4%	0.1%	1.0%	1.2%	0.7%	4.2%	2.2%
	Jefferson	2.9%	0.0%	0.3%	1.7%	1.3%	4.2%	2.5%
	Birmingham	3.9%	0.0%	0.0%	2.2%	1.4%	6.7%	3.5%
	Mobile	2.0%	0.0%	0.5%	1.3%	0.0%	1.0%	0.4%
AZ	ARIZONA	3.3%	1.6%	0.1%	1.6%	2.2%	6.2%	3.7%
	Maricopa	2.8%	1.0%	0.0%	1.3%	1.5%	3.7%	2.4%
	Mesa	0.7%	0.0%	0.0%	0.3%	0.8%	2.5%	1.5%
	Phoenix	3.9%	1.7%	0.0%	2.0%	2.2%	3.5%	2.8%
	Pima	3.3%	1.9%	0.0%	1.4%	3.6%	7.8%	5.2%
	Tucson	3.2%	1.6%	0.0%	1.4%	4.0%	4.4%	4.2%
AR	ARKANSAS	1.6%	1.3%	0.3%	1.0%	0.9%	4.4%	2.2%
	Pulaski	1.8%	1.2%	0.0%	1.0%	0.8%	9.3%	4.0%
CA	CALIFORNIA	3.4%	3.0%	0.5%	1.9%	0.1%	12.5%	5.8%
	Alameda	2.2%	2.2%	0.2%	1.1%	0.7%	11.1%	5.8%
	Oakland	1.6%	1.6%	0.6%	1.0%	0.0%	16.8%	8.3%
	Contra Costa	3.3%	3.3%	0.0%	1.6%	0.0%	9.9%	4.5%
	Fresno	2.6%	1.5%	1.7%	2.2%	0.0%	6.0%	2.6%
	Fresno	3.8%	2.2%	1.7%	2.8%	0.0%	5.8%	2.4%
	Kern	2.0%	1.2%	0.4%	1.2%	0.0%	17.0%	7.5%
	Los Angeles	6.0%	5.6%	0.4%	3.0%	0.1%	16.5%	8.1%
	Long Beach	5.9%	5.9%	2.4%	4.1%	0.0%	28.4%	12.9%
	Los Angeles	5.7%	5.6%	0.2%	2.7%	0.0%	16.7%	8.4%
	Monterey	2.9%	2.9%	0.0%	1.4%	0.0%	6.1%	2.7%
	Orange	1.5%	1.5%	0.1%	0.8%	0.0%	8.2%	3.8%
	Anaheim	1.9%	1.9%	0.8%	1.3%	0.0%	9.9%	4.3%
	Santa Ana	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%	3.4%
	Riverside	2.0%	2.0%	0.7%	1.4%	0.8%	15.8%	7.0%
	Sacramento	3.8%	3.5%	0.3%	2.0%	0.4%	10.5%	4.8%
	Sacramento	3.0%	3.0%	0.4%	1.6%	0.5%	13.0%	5.9%
	San Bernardino	1.9%	1.3%	1.4%	1.7%	0.2%	13.6%	5.6%
	San Diego	3.7%	2.6%	0.5%	2.0%	0.0%	10.8%	5.1%
	San Diego	4.5%	2.6%	0.9%	2.7%	0.0%	9.7%	4.4%
	San Francisco*	0.9%	0.9%	0.6%	0.8%	0.0%	8.3%	4.4%
	San Joaquin	1.9%	0.6%	0.0%	0.9%	0.0%	10.1%	4.6%
	San Mateo	2.3%	2.3%	0.7%	1.4%	0.0%	6.0%	2.9%
	Santa Barbara	2.3%	1.1%	0.0%	1.1%	0.0%	14.5%	6.2%
	Santa Clara	1.6%	1.4%	0.3%	0.9%	0.0%	11.4%	5.2%
	San Jose	2.2%	1.8%	0.0%	1.0%	0.0%	12.9%	6.1%
	Solano	3.2%	2.1%	1.1%	2.2%	0.0%	13.6%	5.9%
	Sonoma	1.2%	1.2%	0.0%	0.6%	0.0%	5.7%	2.4%
	Stanislaus	2.7%	2.0%	0.7%	1.7%	0.0%	13.8%	5.8%
	Tulare	3.1%	3.1%	0.7%	1.8%	0.9%	13.1%	6.7%
	Ventura	1.7%	1.2%	0.5%	1.1%	0.0%	6.5%	2.9%
CO	COLORADO	3.2%	0.5%	0.1%	1.7%	0.5%	10.4%	4.8%
	Adams	3.4%	0.0%	0.0%	1.8%	0.0%	10.2%	3.7%
	Arapahoe	2.1%	1.4%	0.0%	1.1%	0.0%	16.0%	6.8%
	Denver*	7.3%	0.9%	0.0%	3.5%	0.6%	9.9%	5.2%
	El Paso	0.9%	0.0%	0.6%	0.8%	1.2%	10.2%	4.2%
	Colorado Springs	1.1%	0.0%	0.7%	1.0%	0.7%	9.7%	3.8%
	Jefferson	4.9%	0.0%	0.0%	2.4%	0.0%	12.9%	5.7%

*City and county coincide.

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Urban Counties and Cities	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²			
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths	
CT	CONNECTICUT	1.4%	0.4%	0.6%	1.0%	1.2%	3.1%	2.0%
	Fairfield	1.0%	0.0%	0.9%	0.9%	0.6%	6.8%	3.2%
	Hartford	2.6%	0.8%	0.0%	1.5%	2.7%	1.1%	2.1%
	New Haven	1.0%	0.0%	0.5%	0.7%	1.3%	2.9%	2.0%
	New London	0.0%	0.0%	2.9%	1.7%	0.0%	0.0%	0.0%
DE	DELAWARE	0.4%	0.4%	1.9%	0.9%	0.5%	5.7%	2.0%
	New Castle	0.5%	0.5%	1.8%	1.0%	0.7%	5.3%	2.1%
DC	DISTRICT OF COLUMBIA	5.2%	2.6%	2.8%	4.1%	1.8%	8.3%	4.3%
FL	FLORIDA	1.8%	0.4%	1.6%	1.7%	1.2%	7.5%	4.0%
	Brevard	0.0%	0.0%	0.9%	0.6%	1.9%	10.9%	6.5%
	Broward	1.2%	0.5%	2.7%	2.0%	1.3%	4.7%	2.9%
	Dade	1.7%	0.8%	1.9%	1.8%	0.5%	6.5%	3.5%
	Miami	1.1%	0.7%	2.3%	1.9%	0.0%	4.8%	2.3%
	Duval	1.1%	0.6%	1.0%	1.1%	0.0%	7.7%	2.6%
	Jacksonville	1.2%	0.6%	1.0%	1.1%	0.0%	8.0%	2.8%
	Escambia	0.0%	0.0%	0.0%	0.0%	1.1%	6.2%	3.2%
	Hillsborough	3.7%	0.3%	1.8%	2.8%	0.4%	9.4%	4.1%
	Tampa	3.1%	0.5%	2.6%	2.9%	0.0%	10.8%	4.1%
	Lee	6.7%	1.9%	0.0%	3.2%	0.0%	5.5%	2.3%
	Orange	3.0%	0.3%	3.3%	3.1%	2.1%	8.9%	4.8%
	Palm Beach	0.4%	0.0%	4.1%	2.4%	1.0%	18.0%	8.7%
	Pasco	0.0%	0.0%	0.0%	0.0%	1.8%	14.7%	6.6%
	Pinellas	3.2%	0.9%	0.0%	1.6%	0.6%	7.6%	3.6%
	Polk	1.9%	0.0%	0.0%	0.9%	1.7%	3.7%	2.6%
	Sarasota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Seminole	1.3%	0.0%	1.0%	1.1%	0.0%	12.8%	5.8%
	Volusia	0.0%	0.0%	0.0%	0.0%	0.0%	5.5%	2.2%
GA	GEORGIA	0.5%	0.0%	4.8%	4.3%	0.4%	16.3%	6.8%
	Cobb	0.0%	0.0%	5.8%	5.4%	0.0%	16.5%	6.4%
	De Kalb	0.0%	0.0%	3.0%	2.7%	0.5%	19.3%	9.0%
	Fulton	1.1%	0.0%	4.6%	4.4%	0.0%	12.0%	5.4%
	Atlanta	0.0%	0.0%	5.8%	5.2%	0.0%	13.2%	5.4%
	Gwinnett	0.6%	0.0%	2.5%	2.3%	0.0%	20.6%	9.1%
HI	HAWAII	9.6%	1.8%	4.3%	4.9%	1.5%	40.2%	16.3%
	Honolulu	11.0%	1.8%	4.5%	5.3%	1.6%	48.7%	19.8%
	Honolulu	6.7%	1.1%	3.9%	4.1%	1.5%	55.6%	23.0%
IL	ILLINOIS	2.5%	1.4%	0.6%	1.6%	0.6%	7.7%	3.4%
	Cook	2.7%	1.8%	0.6%	1.8%	0.6%	7.7%	3.4%
	Chicago	2.8%	2.2%	0.8%	1.9%	0.6%	7.2%	3.0%
	Du Page	3.3%	0.4%	0.9%	2.2%	0.5%	8.2%	3.4%
	Kane	1.3%	0.0%	0.0%	0.7%	3.5%	10.8%	6.4%
	Lake	0.6%	0.6%	0.5%	0.5%	0.8%	11.0%	5.6%
	St. Clair	0.8%	0.8%	0.0%	0.5%	0.0%	7.4%	3.1%
	Will	2.1%	1.0%	0.7%	1.5%	0.0%	3.9%	1.4%
	Winnebago	2.1%	1.0%	0.0%	1.2%	0.0%	8.1%	2.7%
IN	INDIANA	3.3%	1.8%	0.8%	2.2%	2.0%	12.5%	6.2%
	Allen	3.3%	2.4%	1.0%	2.3%	2.1%	10.9%	5.6%
	Lake	3.9%	3.4%	1.9%	3.0%	3.2%	10.2%	6.0%
	Marion	4.3%	2.3%	0.0%	2.5%	3.1%	23.4%	10.7%
	Indianapolis	4.5%	2.4%	0.0%	2.5%	3.3%	23.7%	11.0%
IA	IOWA	0.4%	0.1%	0.0%	0.2%	0.7%	2.2%	1.3%
	Polk	0.8%	0.0%	0.0%	0.5%	1.0%	1.9%	1.3%

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KS	KANSAS	1.6%	1.2%	0.3%	1.1%	0.5%	2.9%	1.4%
	Johnson	1.9%	1.9%	0.0%	1.2%	0.0%	4.4%	1.5%
	Sedgwick	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Wichita	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KY	KENTUCKY	3.3%	2.0%	0.3%	1.9%	1.7%	4.5%	2.8%
	Jefferson	3.8%	1.4%	0.0%	1.8%	1.2%	2.5%	1.7%
	Louisville	4.3%	1.2%	0.0%	2.1%	1.5%	1.1%	1.3%
LA	LOUISIANA	2.8%	2.1%	0.7%	1.8%	0.8%	6.5%	2.9%
	East Baton Rouge	3.2%	1.1%	0.6%	1.9%	0.8%	5.4%	2.4%
	Jefferson	1.4%	0.7%	0.7%	1.0%	1.8%	9.1%	4.5%
	Orleans*	2.2%	2.2%	1.4%	1.8%	0.0%	10.3%	3.5%
MD	MARYLAND	2.8%	1.4%	3.6%	3.2%	0.6%	10.7%	5.0%
	Anne Arundel	2.3%	1.6%	3.6%	3.1%	0.0%	7.8%	3.6%
	Baltimore	1.5%	0.5%	2.0%	1.8%	0.7%	15.3%	7.3%
	Baltimore city*	2.4%	1.6%	2.3%	2.3%	0.7%	13.9%	6.6%
	Montgomery	4.5%	3.2%	3.8%	4.1%	0.0%	10.2%	4.9%
	Prince George's	3.0%	1.3%	3.3%	3.2%	0.7%	9.1%	4.0%
MA	MASSACHUSETTS	3.8%	2.0%	0.3%	1.8%	2.2%	6.7%	4.3%
	Bristol	4.5%	0.9%	0.4%	1.6%	1.3%	8.6%	4.8%
	Essex	4.7%	2.7%	0.0%	2.4%	1.7%	9.5%	5.0%
	Hampden	1.9%	0.0%	0.0%	1.0%	1.4%	5.9%	3.2%
	Middlesex	4.2%	1.7%	0.0%	1.8%	4.6%	6.4%	5.5%
	Norfolk	1.2%	1.2%	0.0%	0.5%	0.0%	13.7%	6.3%
	Plymouth	2.7%	2.7%	0.0%	1.4%	3.8%	3.8%	3.8%
	Suffolk	5.7%	5.2%	0.4%	2.7%	1.8%	6.4%	4.0%
	Boston	6.2%	5.6%	0.5%	3.0%	1.9%	5.2%	3.5%
	Worcester	3.4%	1.1%	1.0%	2.2%	1.8%	3.1%	2.4%
MI	MICHIGAN	3.8%	1.4%	0.2%	2.3%	1.2%	2.4%	1.6%
	Genesee	5.5%	2.1%	0.0%	3.9%	1.2%	1.8%	1.3%
	Ingham	1.4%	0.0%	0.0%	0.7%	1.6%	0.0%	1.0%
	Kent	5.0%	1.4%	2.0%	3.7%	0.0%	2.5%	0.8%
	Macomb	2.6%	1.5%	0.0%	1.5%	1.9%	1.4%	1.8%
	Oakland	3.8%	0.3%	0.3%	2.0%	2.5%	0.6%	1.7%
	Washtenaw	6.2%	1.2%	0.0%	3.3%	3.6%	5.6%	4.4%
	Wayne	4.4%	1.9%	0.3%	2.6%	1.3%	1.4%	1.3%
	Detroit	4.9%	2.1%	0.4%	3.1%	1.2%	2.3%	1.5%
MN	MINNESOTA	1.1%	0.1%	9.1%	5.2%	2.0%	25.7%	12.0%
	Dakota	0.0%	0.0%	11.0%	6.2%	0.0%	29.1%	14.4%
	Hennepin	1.4%	0.0%	11.5%	6.8%	1.4%	34.4%	16.6%
	Minneapolis	3.0%	0.0%	13.2%	8.4%	1.9%	38.7%	17.2%
	Ramsey	2.0%	0.0%	11.3%	5.8%	0.6%	24.1%	8.8%
	St. Paul	2.5%	0.0%	10.1%	5.5%	0.8%	16.4%	6.0%
MS	MISSISSIPPI	1.6%	0.4%	0.1%	0.9%	0.6%	2.1%	1.2%
	Hinds	2.6%	0.0%	0.0%	1.3%	0.8%	0.0%	0.5%
MO	MISSOURI	2.1%	1.3%	0.4%	1.3%	0.5%	2.4%	1.2%
	Jackson	1.3%	0.4%	1.0%	1.2%	0.0%	4.4%	1.7%
	Kansas City	1.6%	0.5%	0.6%	1.2%	0.0%	5.6%	2.2%
	St. Louis	2.1%	1.0%	0.4%	1.3%	0.0%	2.2%	0.9%
	St. Louis city*	4.2%	3.0%	0.0%	2.4%	1.2%	1.1%	1.2%
NE	NEBRASKA	1.0%	0.2%	0.0%	0.5%	1.0%	5.0%	2.5%
	Douglas	1.1%	0.0%	0.0%	0.6%	1.4%	3.4%	2.2%
	Omaha	1.2%	0.0%	0.0%	0.7%	1.6%	3.7%	2.5%

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NV NEVADA	3.7%	3.0%	0.5%	2.1%	0.0%	19.2%	7.5%
Clark	2.0%	1.2%	0.2%	1.1%	0.0%	9.5%	3.7%
Las Vegas	1.8%	0.9%	0.0%	0.9%	0.0%	10.9%	3.9%
Washoe	7.3%	7.3%	0.9%	4.0%	0.0%	51.6%	21.4%
NH NEW HAMPSHIRE	2.6%	0.9%	0.0%	1.3%	2.3%	3.0%	2.6%
Hillsborough	1.4%	0.0%	0.0%	0.6%	1.9%	3.6%	2.8%
NJ NEW JERSEY	4.2%	3.0%	1.9%	2.9%	2.2%	21.1%	10.4%
Bergen	3.9%	1.9%	0.3%	1.5%	4.0%	13.7%	8.1%
Burlington	2.4%	0.0%	4.1%	3.4%	3.4%	39.0%	18.0%
Camden	3.5%	2.5%	2.7%	3.1%	0.0%	22.7%	9.3%
Essex	5.7%	5.2%	3.6%	4.4%	1.1%	20.0%	8.9%
Newark	5.2%	4.7%	4.9%	5.0%	0.7%	17.8%	7.2%
Hudson	6.0%	5.0%	0.9%	2.8%	2.0%	16.1%	8.2%
Mercer	0.9%	0.0%	3.4%	2.2%	3.8%	24.5%	12.1%
Middlesex	4.0%	2.3%	2.7%	3.2%	3.1%	27.5%	13.9%
Monmouth	2.4%	2.4%	1.3%	1.7%	0.0%	30.1%	13.6%
Morris	2.9%	2.9%	0.9%	1.7%	3.6%	25.5%	14.0%
Ocean	3.2%	3.2%	1.3%	2.1%	1.4%	37.8%	19.9%
Passaic	5.1%	4.4%	3.5%	4.2%	2.9%	8.6%	5.4%
Union	5.0%	2.8%	0.4%	2.0%	3.8%	19.6%	11.1%
NM NEW MEXICO	8.7%	6.7%	0.7%	5.9%	6.4%	2.3%	4.9%
Bernalillo	11.4%	7.2%	0.0%	7.5%	7.0%	2.8%	5.5%
Albuquerque	10.5%	6.2%	0.0%	7.0%	7.1%	2.9%	5.6%
NY NEW YORK	2.9%	2.1%	3.8%	3.7%	0.6%	29.6%	14.7%
Albany	1.4%	1.4%	5.5%	5.1%	0.0%	39.6%	19.6%
New York City**	2.8%	2.5%	0.8%	0.9%	0.4%	24.5%	12.9%
Bronx borough	2.4%	2.4%	0.9%	1.0%	0.0%	20.8%	10.8%
Brooklyn borough	2.9%	2.5%	0.7%	0.8%	0.4%	23.1%	12.3%
Manhattan borough	2.4%	2.1%	0.6%	0.7%	0.8%	24.0%	12.7%
Queens borough	3.3%	2.8%	1.2%	1.3%	0.5%	29.5%	15.8%
Staten Island borough	1.7%	1.7%	0.5%	0.6%	0.0%	28.0%	13.6%
Dutchess	0.0%	0.0%	17.1%	15.7%	0.0%	65.9%	35.4%
Erie	4.6%	2.7%	3.5%	3.7%	1.7%	18.7%	8.8%
Buffalo	4.7%	3.4%	4.2%	4.3%	1.1%	12.7%	5.9%
Monroe	1.8%	0.0%	2.5%	2.3%	0.6%	26.6%	12.1%
Nassau	4.0%	2.5%	13.3%	12.8%	0.5%	58.6%	29.7%
Oneida	1.4%	0.0%	2.1%	2.1%	1.8%	31.1%	14.9%
Onondaga	2.1%	0.0%	2.5%	2.5%	0.0%	21.2%	8.5%
Orange	5.6%	4.4%	10.4%	10.1%	0.0%	18.4%	7.8%
Rockland	4.6%	3.1%	32.4%	30.5%	1.9%	47.2%	24.8%
Suffolk	4.5%	2.6%	4.4%	4.4%	0.9%	61.8%	27.4%
Westchester	2.6%	2.6%	10.3%	9.6%	0.0%	37.9%	16.2%
NC NORTH CAROLINA	2.4%	0.3%	1.2%	1.8%	1.0%	5.1%	2.6%
Cumberland	4.3%	0.0%	1.6%	3.2%	0.0%	1.7%	0.6%
Forsyth	3.7%	2.2%	1.9%	2.9%	0.0%	5.2%	2.2%
Guilford	2.0%	0.0%	0.0%	1.1%	4.0%	4.4%	4.1%
Mecklenburg	2.9%	0.4%	1.0%	1.8%	0.0%	2.8%	1.2%
Charlotte	2.6%	0.4%	1.0%	1.7%	0.0%	3.0%	1.3%
Wake	3.7%	0.0%	0.5%	2.1%	0.7%	7.8%	3.8%

*City and county coincide.

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Urban Counties and Cities	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²		
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths
OH OHIO	6.8%	5.8%	0.2%	3.8%	1.0%	7.2%	3.5%
Butler	5.9%	5.1%	1.1%	3.8%	2.3%	7.0%	4.2%
Cuyahoga	14.1%	13.8%	0.0%	7.7%	2.4%	5.0%	3.5%
Cleveland	15.4%	14.8%	0.0%	8.7%	4.0%	3.8%	4.0%
Franklin	5.9%	4.3%	0.8%	3.6%	0.0%	7.6%	2.9%
Columbus	6.8%	5.0%	0.4%	4.0%	0.0%	7.8%	2.9%
Hamilton	8.2%	5.9%	0.0%	5.4%	3.1%	4.5%	3.5%
Cincinnati	9.9%	7.0%	0.0%	6.8%	1.8%	3.1%	2.2%
Lorain	10.9%	9.8%	0.0%	5.7%	2.9%	2.0%	2.5%
Lucas	2.1%	1.4%	0.0%	1.0%	0.0%	3.4%	1.5%
Toledo	2.5%	1.6%	0.0%	1.2%	0.0%	2.7%	1.2%
Mahoning	3.9%	2.0%	0.0%	2.2%	0.0%	16.0%	6.3%
Montgomery	6.5%	5.9%	0.0%	3.3%	0.0%	3.5%	1.3%
Stark	1.1%	1.1%	0.0%	0.5%	2.7%	13.5%	7.2%
Summit	5.9%	4.1%	0.8%	3.7%	0.0%	23.5%	9.1%
OK OKLAHOMA	11.7%	7.7%	29.8%	19.5%	0.7%	51.9%	16.6%
Oklahoma	16.3%	10.3%	40.2%	26.4%	1.3%	64.6%	19.8%
Oklahoma City	17.4%	11.4%	42.9%	28.5%	0.6%	62.9%	18.8%
Tulsa	4.3%	2.9%	4.0%	4.2%	0.6%	31.9%	11.7%
Tulsa	5.0%	3.8%	3.1%	4.2%	0.0%	29.6%	10.3%
OR OREGON	1.3%	0.3%	0.0%	0.7%	0.2%	1.6%	0.7%
Clackamas	1.8%	0.0%	0.0%	0.8%	0.0%	2.6%	1.2%
Lane	0.0%	0.0%	0.0%	0.0%	1.6%	2.2%	1.8%
Multnomah	0.7%	0.0%	0.0%	0.3%	0.0%	2.3%	1.0%
Portland	0.8%	0.0%	0.0%	0.4%	0.0%	2.7%	1.2%
Washington	2.2%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
PA PENNSYLVANIA	4.0%	1.4%	2.3%	3.0%	0.9%	10.9%	5.1%
Allegheny	6.1%	0.6%	1.8%	3.6%	1.4%	12.0%	5.8%
Pittsburgh	4.8%	0.7%	0.5%	2.4%	1.1%	10.7%	4.6%
Berks	4.4%	1.1%	1.4%	2.6%	1.7%	15.7%	8.3%
Bucks	6.4%	1.8%	2.0%	3.9%	1.3%	18.6%	8.6%
Chester	1.0%	0.0%	5.1%	3.7%	0.0%	17.2%	7.4%
Delaware	4.0%	2.4%	1.3%	2.3%	1.0%	11.5%	5.7%
Erie	3.8%	2.5%	1.3%	2.5%	0.0%	3.1%	1.2%
Lancaster	5.6%	2.1%	0.5%	2.6%	0.9%	8.0%	3.7%
Lehigh	7.6%	5.1%	1.7%	4.1%	1.9%	3.3%	2.4%
Luzerne	0.0%	0.0%	0.0%	0.0%	0.0%	21.2%	9.5%
Montgomery	2.7%	0.7%	1.2%	1.8%	1.9%	15.7%	8.2%
Philadelphia*	5.5%	2.5%	2.6%	3.7%	0.8%	11.3%	5.0%
Westmoreland	0.0%	0.0%	3.9%	2.6%	2.5%	12.1%	6.8%
York	4.5%	0.0%	2.3%	3.0%	2.0%	5.5%	3.8%
RI RHODE ISLAND	5.4%	0.4%	4.1%	4.2%	7.3%	24.6%	15.6%
Providence	6.8%	0.6%	3.2%	3.5%	5.6%	17.9%	10.9%
SC SOUTH CAROLINA	0.6%	0.0%	0.3%	0.5%	0.8%	3.0%	1.7%
Charleston	0.8%	0.0%	0.8%	0.8%	2.2%	2.7%	2.4%
Greenville	0.0%	0.0%	0.0%	0.0%	1.1%	2.8%	1.9%
Richland	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TN TENNESSEE	0.6%	0.1%	0.3%	0.5%	0.9%	3.0%	1.8%
Davidson	0.0%	0.0%	0.0%	0.0%	2.5%	4.6%	3.3%
Nashville-Davidson	0.0%	0.0%	0.0%	0.0%	2.6%	4.7%	3.4%
Hamilton	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Knox	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Shelby	0.9%	0.0%	0.3%	0.7%	0.6%	3.5%	1.8%
Memphis	0.8%	0.0%	0.4%	0.7%	0.6%	2.9%	1.5%

*City and county coincide.

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Urban Counties and Cities	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²			
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths	
TX	TEXAS	4.4%	2.6%	2.0%	3.2%	2.0%	11.2%	5.6%
	Bexar	5.4%	3.3%	2.9%	4.2%	2.7%	14.7%	7.0%
	San Antonio	5.3%	3.3%	2.3%	3.9%	1.6%	14.7%	6.2%
	Cameron	2.1%	2.1%	1.6%	1.8%	1.1%	14.7%	7.3%
	Collin	1.2%	1.2%	2.5%	2.0%	2.6%	7.5%	4.6%
	Dallas	7.2%	4.5%	0.8%	3.9%	2.1%	4.0%	3.0%
	Dallas	6.6%	4.2%	0.0%	3.3%	2.4%	4.1%	3.2%
	Denton	1.7%	1.7%	2.4%	2.1%	1.0%	9.5%	4.7%
	El Paso	4.0%	3.1%	6.5%	5.3%	0.0%	24.5%	10.8%
	El Paso	4.5%	3.5%	6.7%	5.7%	0.0%	25.5%	11.6%
	Harris	4.3%	2.7%	0.5%	2.4%	1.6%	7.6%	4.0%
	Houston	4.7%	3.1%	0.4%	2.4%	2.0%	7.3%	4.2%
	Hidalgo	3.7%	3.2%	1.7%	2.7%	0.6%	18.6%	7.0%
	Nueces	1.1%	1.1%	1.6%	1.4%	3.5%	22.0%	10.3%
	Corpus Christi	1.2%	1.2%	0.9%	1.0%	3.8%	16.7%	8.3%
	Tarrant	2.9%	0.6%	2.4%	2.7%	2.4%	12.3%	6.3%
	Arlington	2.4%	2.4%	5.9%	4.1%	1.9%	14.3%	6.5%
	Fort Worth	3.3%	0.0%	1.7%	2.5%	2.0%	14.0%	6.7%
	Travis	8.5%	5.0%	0.9%	4.5%	0.6%	15.4%	6.6%
	Austin	9.6%	5.4%	1.1%	5.1%	0.8%	16.7%	7.4%
UT	UTAH	2.5%	1.4%	0.0%	1.3%	1.2%	6.9%	3.5%
	Salt Lake	2.0%	1.0%	0.0%	1.1%	1.3%	2.2%	1.6%
	Utah	3.5%	2.6%	0.0%	1.6%	1.0%	13.6%	6.7%
VA	VIRGINIA	2.8%	1.3%	8.2%	7.7%	2.2%	37.5%	17.0%
	Fairfax	2.6%	2.6%	4.5%	4.4%	2.8%	37.2%	18.5%
	Norfolk city*	4.7%	2.0%	2.7%	3.0%	4.8%	39.2%	16.1%
	Virginia Beach city*	2.7%	2.0%	3.1%	3.0%	0.0%	29.2%	11.6%
WA	WASHINGTON	4.5%	0.7%	1.6%	3.0%	1.3%	18.1%	8.6%
	King	7.6%	0.0%	1.1%	4.1%	1.6%	28.0%	13.5%
	Seattle	9.0%	0.0%	0.7%	4.4%	2.2%	28.0%	14.0%
	Pierce	4.0%	1.7%	1.1%	2.5%	0.0%	13.0%	5.2%
	Snohomish	4.0%	1.6%	4.4%	4.2%	1.9%	27.4%	13.4%
	Spokane	1.3%	0.0%	0.0%	0.6%	1.4%	1.8%	1.6%
WI	WISCONSIN	0.9%	0.0%	0.2%	0.5%	0.7%	1.0%	0.9%
	Dane	1.0%	0.0%	0.0%	0.5%	0.0%	1.8%	0.7%
	Milwaukee	1.4%	0.0%	0.0%	0.8%	1.0%	0.0%	0.6%
	Milwaukee	1.3%	0.0%	0.0%	0.7%	1.1%	0.0%	0.7%
	Waukesha	1.7%	0.0%	0.0%	0.9%	2.1%	0.0%	1.2%
	USA	3.1%	1.7%	3.6%	3.4%	1.1%	11.9%	5.6%

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Percentiles for the percentage of missing¹ and imputed² infant and fetal deaths in urban counties (Table 1C.1) and US States (Table 1C.2), 1998-2000.

Tables 1C.1: Percentiles for the percentage of missing and imputed infant and fetal deaths **in urban counties.**

Urban Counties	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²		
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths
Min	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10%	0.4%	0.0%	0.0%	0.6%	0.0%	1.8%	1.2%
25%	1.4%	0.0%	0.0%	1.1%	0.0%	4.2%	2.4%
Median	2.6%	1.2%	0.7%	2.0%	0.8%	9.4%	4.6%
75%	4.3%	2.5%	2.3%	3.2%	1.8%	16.1%	7.5%
90%	6.0%	3.5%	4.1%	4.4%	2.9%	28.0%	13.5%
Max	16.3%	13.8%	40.2%	30.5%	7.0%	65.9%	35.4%

Tables 1C.2: Percentiles for the percentage of missing and imputed infant and fetal deaths **in 50 States and District of Columbia.**

All 50 States and District of Columbia	Percentage of Missing Deaths ¹				Percentage of Imputed Deaths ²		
	Infant Deaths - All	Infant Deaths - Unlinked	Fetal Deaths	Combined Deaths	Infant Deaths	Fetal Deaths	Combined Deaths
Min	0.4%	0.0%	0.0%	0.2%	0.0%	1.0%	0.6%
First Quartile	1.4%	0.3%	0.2%	1.1%	0.6%	3.0%	1.8%
Median	2.6%	1.3%	0.6%	1.8%	1.0%	6.7%	3.7%
Third Quartile	3.8%	2.0%	2.0%	3.2%	1.8%	12.5%	6.2%
Max	11.7%	7.7%	29.8%	19.5%	7.3%	51.9%	17.0%

Technical Notes:

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 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 on subsequent tables, and therefore, rates cannot necessarily be inflated by these percentages.

² Percentage 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 < 31 weeks are treated as birthweight < 1,500 grams, and gestational ages < 22 weeks are treated as birthweight < 500 grams. For fetal deaths, gestational ages < 32 weeks are treated as birthweight < 1,500 grams, and gestational ages < 24 weeks are treated as birthweight < 500 grams.

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