

Table 1. Characteristics and risk exposures by infant outcome

	Stillbirths ^a (N=608)	Infants who experienced early death (≤12 h) (N=969)	Infants who died during newborn hospitalization (>12 h) ^b (N=1936)	Infants who survived to discharge or 120 d (N=10,347)	p-value for comparison ^c
Perinatal characteristics					
Maternal age (y), median (IQR)	30 (25 - 35)	29 (24 - 34)	29 (24 - 34)	29 (25 - 34)	<0.001
Primiparous	307/608 (50.5)	439/969 (45.3)	903/1936 (46.6)	4522/10,345 (43.7)	0.002
Inadequate prenatal care ^d	81/603 (13.4)	128/964 (13.3)	190/1923 (9.9)	1063/10,302 (10.3)	0.003
No magnesium sulfate during delivery admission	302/608 (49.7)	522/967 (54.0)	281/1922 (14.6)	1120/10,337 (10.8)	<0.001
No antenatal corticosteroids	332/608 (54.6)	469/969 (48.4)	162/1935 (8.4)	625/10,342 (6.0)	<0.001
No fetal heart rate monitoring within 12 h of delivery	242/601 (40.3)	234/959 (24.4)	89/1916 (4.6)	312/10,300 (3.0)	<0.001
Mode of delivery					<0.001
Vaginal vertex	307/588 (52.2)	448/965 (46.4)	464/1936 (24.0)	2624/10,338 (25.4)	
Vaginal breech	213/588 (36.2)	233/965 (24.1)	140/1936 (7.2)	262/10,338 (2.5)	
Cesarean section	68/588 (11.6)	284/965 (29.4)	1332/1936 (68.8)	7452/10,338 (72.1)	
Multiple birth	93/608 (15.3)	230/969 (23.7)	488/1936 (25.2)	2540/10,347 (24.5)	<0.001
Neonatal characteristics					
Female sex ^e	266/581 (45.8)	462/969 (47.7)	860/1936 (44.4)	5117/10,347 (49.5)	<0.001
Gestational age (wk), median (IQR)	23.0 (22.4 - 24.7)	23.3 (22.6 - 24.7)	24.6 (23.4 - 26.1)	26.7 (25.3 - 28.0)	<0.001
Birth weight (g), median (IQR) ^f	464 (380 - 567)	520 (440 - 660)	607 (500 - 750)	860 (687 - 1050)	<0.001
Small for gestational age	191/521 (36.7)	151/945 (16.0)	425/1935 (22.0)	929/10,346 (9.0)	<0.001
Syndromes or major malformations ^g	66/603 (10.9)	0/0 (0.0)	205/1933 (10.6)	619/10,340 (6.0)	<0.001
Sociodemographic risk exposure					
Maternal public or no insurance	339/608 (55.8)	528/969 (54.5)	1107/1936 (57.2)	6052/10,347 (58.5)	0.05
Low maternal education ^h	33/206 (16.0)	92/606 (15.2)	204/1501 (13.6)	1104/8213 (13.4)	0.48
Black race	259/568 (45.6)	302/882 (34.2)	747/1841 (40.6)	3916/9805 (39.9)	<0.001
Hispanic ethnicity	104/595 (17.5)	207/944 (21.9)	314/1906 (16.5)	1920/10,119 (19.0)	0.003
Unmarried	307/601 (51.1)	499/960 (52.0)	1000/1916 (52.2)	5620/10,290 (54.6)	0.05
Antenatal morbidity					
Maternal hypertensive disorder	255/608 (41.9)	181/969 (18.7)	651/1934 (33.7)	3601/10,344 (34.8)	<0.001
Diabetes mellitus requiring insulin	42/597 (7.0)	37/953 (3.9)	111/1877 (5.9)	654/10,117 (6.5)	0.01
Chorioamnionitis	272/608 (44.7)	503/968 (52.0)	832/1929 (43.1)	4607/10,345 (44.5)	<0.001

Clinical	126/608 (20.7)	195/968 (20.1)	310/1929 (16.1)	1477/10,341 (14.3)	<0.001
Histologic	245/527 (46.5)	467/845 (55.3)	771/1789 (43.1)	4353/9664 (45.0)	<0.001
Prolonged rupture of membranes (>18 h)	175/581 (30.1)	290/940 (30.9)	459/1901 (24.1)	2830/10,205 (27.7)	<0.001

Presented as no./n (%), unless otherwise specified.

^a Stillbirths occurred in the hospital setting and had a fetal heart rate during admission to labor and delivery. Data on terminations and fetal deaths prior to hospital admission were not collected.

^b Infants who died prior to discharge or one-year postnatal age, whichever occurred first.

^c ANOVA or Kruskal-Wallis tests were performed for continuous exposures while chi-square tests of independence were performed for categorical exposures.

^d Inadequate prenatal care was defined as fewer than 3 prenatal visits or no prenatal care prior to the third trimester.

^e 22 infants were assigned ambiguous sex and 27 infants were missing sex assignment.

^f 98 infants were missing birth weight.

^g No data were available for syndromes or major malformations among infants who died within 12 hours of birth.

^h Low maternal education was defined as having less than a high school diploma. 3334 mothers were missing highest education status.