Maternal and Child Health

Colorado Infant Mortality Data Dashboard

Colorado's Infant Mortality Collaborative Improvement and Innovation Network (CoIIN) seeks to reduce infant mortality among disparately affected populations by influencing related factors including biological contributors, prevention and screening, diagnosis and treatment, and the social determinants of health. The CoIIN is dedicated to reducing the infant mortality rate among African Americans from 10.3 to the White, non-Hispanic rate of 4.0 by 2020.

CoIIN-Wide Measures

Updated 11-28-16 with 2016 Quarters 1-3 Data

Quarters 1-3 2016 Provisional Data: 237 total infant deaths; 2015 Final Data: 309 total infant deaths.

CW1: Infant Mortality Rate (per 1,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	4.7	4.0	🟡	4.6	↑
NH White	4.2	4.0	🟡	3.7	↑
NH Black	12.0	4.0	🔴	10.7	↑
Hispanic	5.2	4.0	🟡	5.6	↓
NH American Indian/Alaska Native	DS	4.0	*	DS	*
NH Asian/Pacific Islander	DS	4.0	*	3.3	*

Infant deaths in the first year of life. NH: non-Hispanic. DS: data suppressed if 1 or 2 events.

Quarters 1-3 2016 Provisional Data: 161 total neonatal deaths. 2015 Final Data: 230 total neonatal deaths.

CW2: Neonatal Mortality Rate (per 1,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	3.2	2.9	🟡	3.5	↓
NH White	2.9	2.9	🟢	2.8	↑
NH Black	7.8	2.9	🔴	7.0	↑
Hispanic	3.4	2.9	🟡	4.1	↓
NH American Indian/Alaska Native	DS	2.9	*	DS	*
NH Asian/Pacific Islander	DS	2.9	*	3.3	*

Deaths among neonates between 0 and 27 days old. NH: non-Hispanic. DS: data suppressed if 1 or 2 events.

Quarters 1-3 2016 Provisional Data: 76 total postneonatal deaths. 2015 Final Data: 79 total postneonatal deaths.

CW3: Postneonatal Mortality Rate (per 1,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	1.5	1.1	🟡	1.2	↑
NH White	1.3	1.1	🟡	0.9	↑
NH Black	4.1	1.1	🔴	3.8	↑
Hispanic	1.8	1.1	🟡	1.5	↑
NH American Indian/Alaska Native	0.0	1.1	🟢	DS	↓
NH Asian/Pacific Islander	DS	1.1	*	0.0	↑

Deaths among infants between 28 days up to one year of age. NH: non-Hispanic. DS: data suppressed if 1 or 2 events.

Quarters 1-3 2016 Provisional Data: 38 total SUID deaths. 2015 Final Data: 29 total SUID deaths.

CW4: SUID Mortality Rate (per 100,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	75.4	42.8	🟡	43.6	↑
NH White	67.5	42.8	🟡	39.3	↑
NH Black	247.3	42.8	🔴	116.2	↑
Hispanic	66.5	42.8	🟡	38.1	↑
NH American Indian/Alaska Native	0.0	42.8	🟢	0.0	↔
NH Asian/Pacific Islander	DS	42.8	*	0.0	↑

SUID: sudden unexpected infant death (ICD 10 codes: R95, R99, W75). NH: non-Hispanic. DS: data suppressed if 1 or 2 events.

Quarters 1-3 2016 Provisional Data: 73 total preterm-related deaths. 2015 Final Data: 132 total preterm-related deaths.

CW5: Preterm-Related Mortality Rate (per 100,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	144.9	150.9	🟢	198.3	↓
NH White	118.2	150.9	🟢	157.2	↓
NH Black	412.2	150.9	🔴	435.8	↓
Hispanic	169.9	150.9	🟡	239.8	↓
NH American Indian/Alaska Native	DS	150.9	*	0.0	↑
NH Asian/Pacific Islander	DS	150.9	*	181.9	*

NH: non-Hispanic. DS: data suppressed if 1 or 2 events.

Quarters 1-3 2016 Provisional Data: 4,443 total preterm births. 2015 Final Data: 5,761 total preterm births.

CW6: Preterm Birth Rate (%)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	8.8%	8.2%	🟡	8.7%	↑
NH White	8.2%	8.2%	🟢	8.2%	↔
NH Black	11.7%	8.2%	🟡	11.3%	↑
Hispanic	9.5%	8.2%	🟡	8.9%	↑
NH American Indian/Alaska Native	10.5%	8.2%	🟡	9.9%	↑
NH Asian/Pacific Islander	9.0%	8.2%	🟡	9.7%	↓

Infants born prior to 37 weeks gestational age. NH: non-Hispanic.

PT-ETB1: Progesterone Initiation – coming soon

Quarters 1-3 2016 Provisional Data: 12,007 total early term births. 2015 Final Data: 15,620 total early term births.

PT-ETB2: Early Term Birth (%)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	24.6%	21.4%	●	24.2%	↑

Singleton live births delivered between 37 and 38 weeks.

Quarters 1-3 2016 Provisional Data: 2,891 total ENMIED births. 2015 Final Data: 3,129 total ENMIED births.

PT-ETB3: Early Non-medically Indicated Elective Delivery (%)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	31.2%	23.0%	●	26.6%	↑

Quarters 1-3 2016 Provisional Data: 42 total term fetal deaths. 2015 Final Data: 72 total term fetal deaths.

PT-ETB4: Term Fetal Mortality Rate (per 1,000 live births)	Quarters 1-3 2016	Target	Performance	2015 Final	Change Since 2015
All Races	0.9	1.1	●	1.2	↓

Fetal deaths at 37+ weeks gestational age. DS: data suppressed if 1 or 2 events.

Performance Key

● **Meets Target** - indicates that the value in the Quarters 1-3 2016 column is the same or better than the target.

● **Close/At Some Distance to Target** - indicates that the value in the Quarters 1-3 2016 column is
- within 20 percent of the target or
- less than double the target for indicators requiring a decrease or
- up to half the target for indicators requiring an increase.

● **Far from Target** - indicates that the value in the Quarters 1-3 2016 column is
- double the target or more for indicators requiring a decrease or
- half the target or less for indicators requiring an increase.

* **Unknown** – performance is unknown when data are suppressed.

Change Key

↓↑ **Positive** – shows progress with an increase or decrease from previous year in the desired direction.

↓↑ **Negative** – shows increase or decrease from previous year in the undesired direction.

↔ **No change** - no change from 2015 Final.

* **Unknown** – change is unknown when data are suppressed.

Notes: Targets for the CoIIN-Wide Measures are set based on the rate or percentage for the non-Hispanic White population at baseline (2013). Targets for the Preterm and Early Term Birth Measures are based on a 10 percent improvement from the 2013 baseline.

Live births and deaths are to Colorado residents.

Data Source: Vital Statistics Program, Colorado Department of Public Health and Environment.

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