



Indiana
Department
of
Health

Indiana Infant Mortality – Cause of Death Distribution, 2016-2020

Maternal and Child Health Epidemiology

3/4/2022

OUR MISSION:

**To promote, protect, and improve
the health and safety of all Hoosiers.**

OUR VISION:

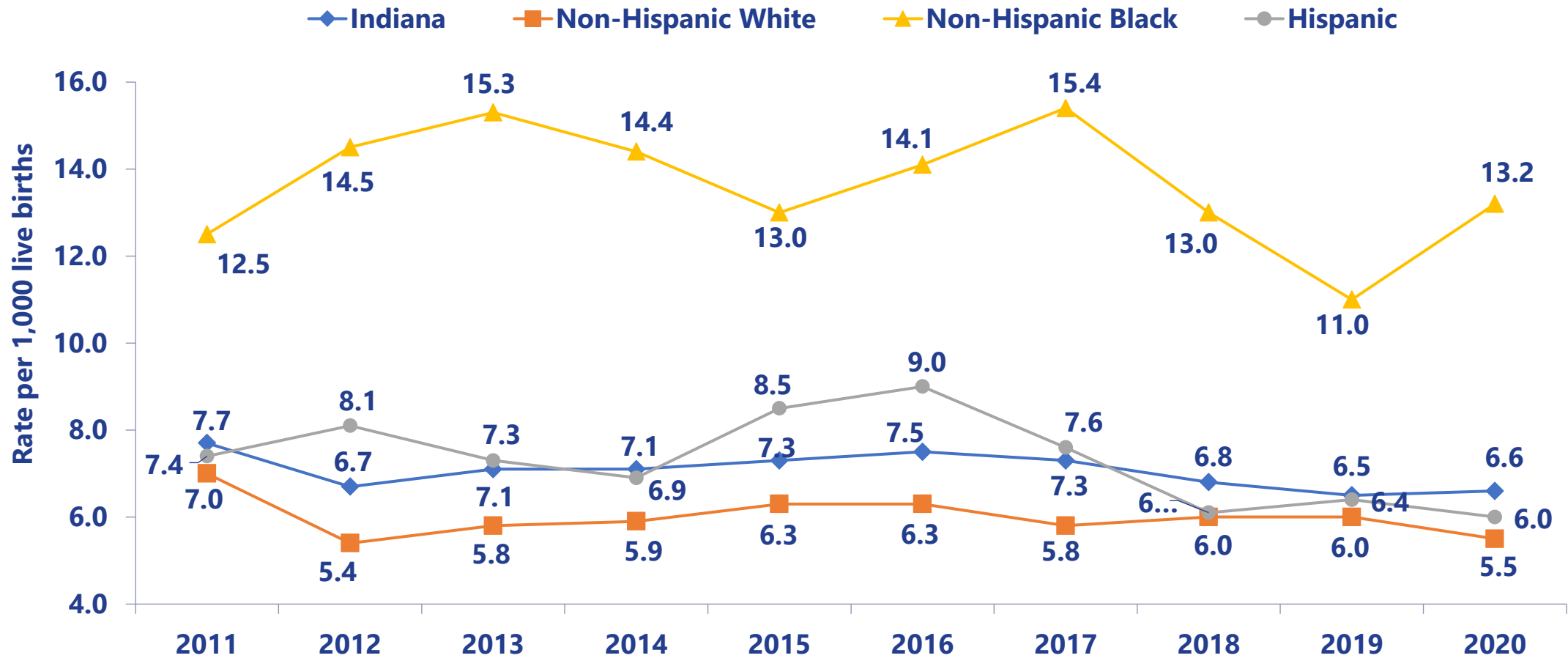
**Every Hoosier reaches optimal health
regardless of where they live, learn,
work, or play.**





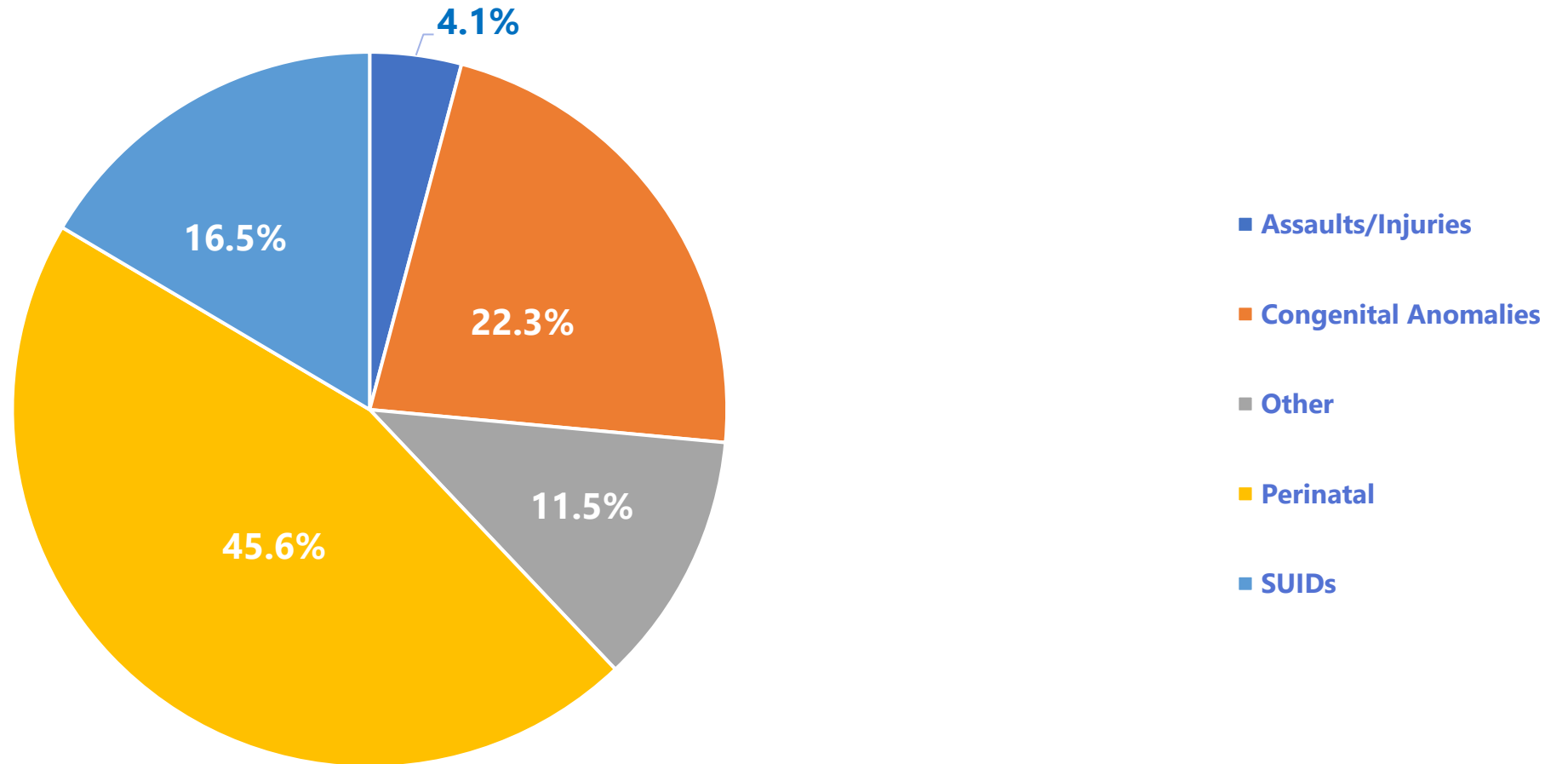
Overall Indiana Infant Mortality

Infant Mortality 2011-2020



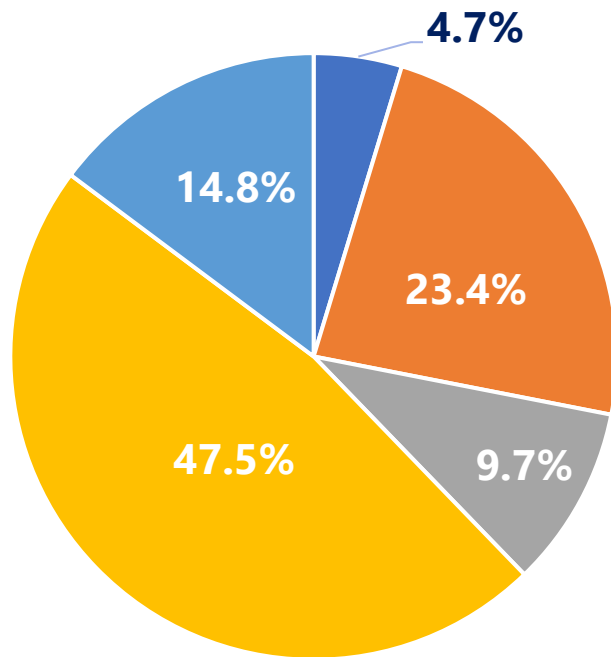
Overall Cause of Death

Indiana Infant Mortality 2016-2020 (n=2833)

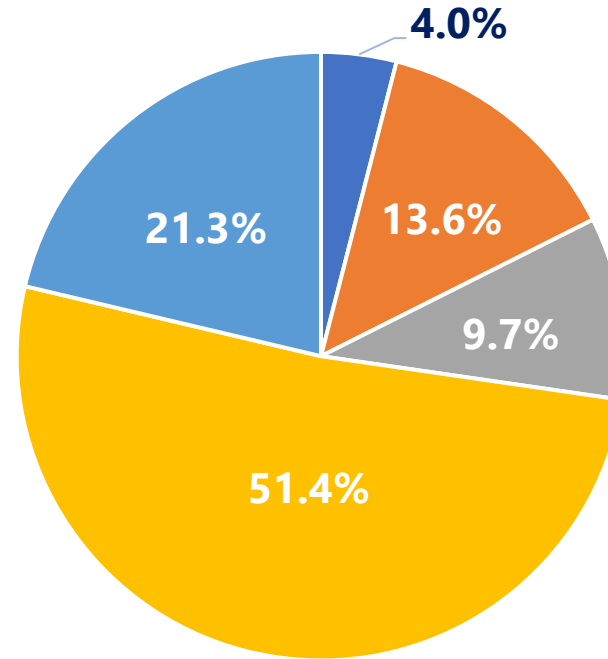


Cause of Death by Race/Ethnicity, 2016-2020

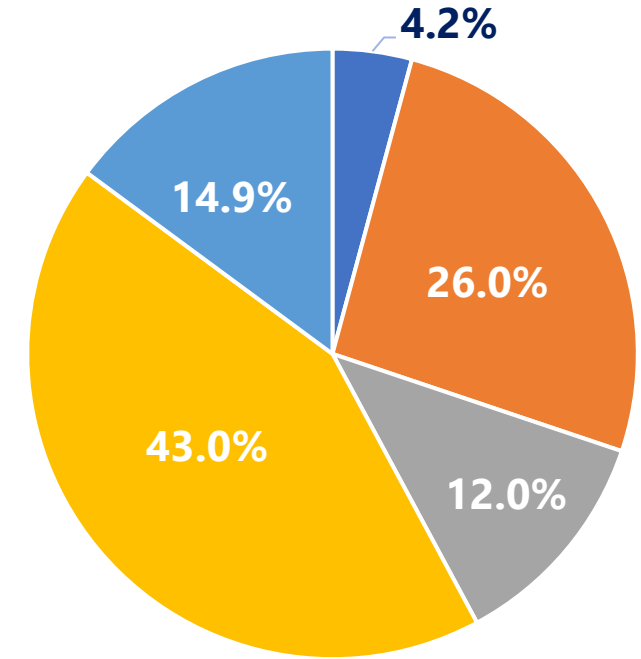
Hispanic Infant Mortality
2016-2020 (n=278)



Non-Hispanic Black Infant Mortality
2016-2020 (n=704)



Non-Hispanic White Infant Mortality
2016-2020 (n=1739)



Assaults/Injuries

SUIDs

Perinatal Risks

Congenital Anomalies

Other

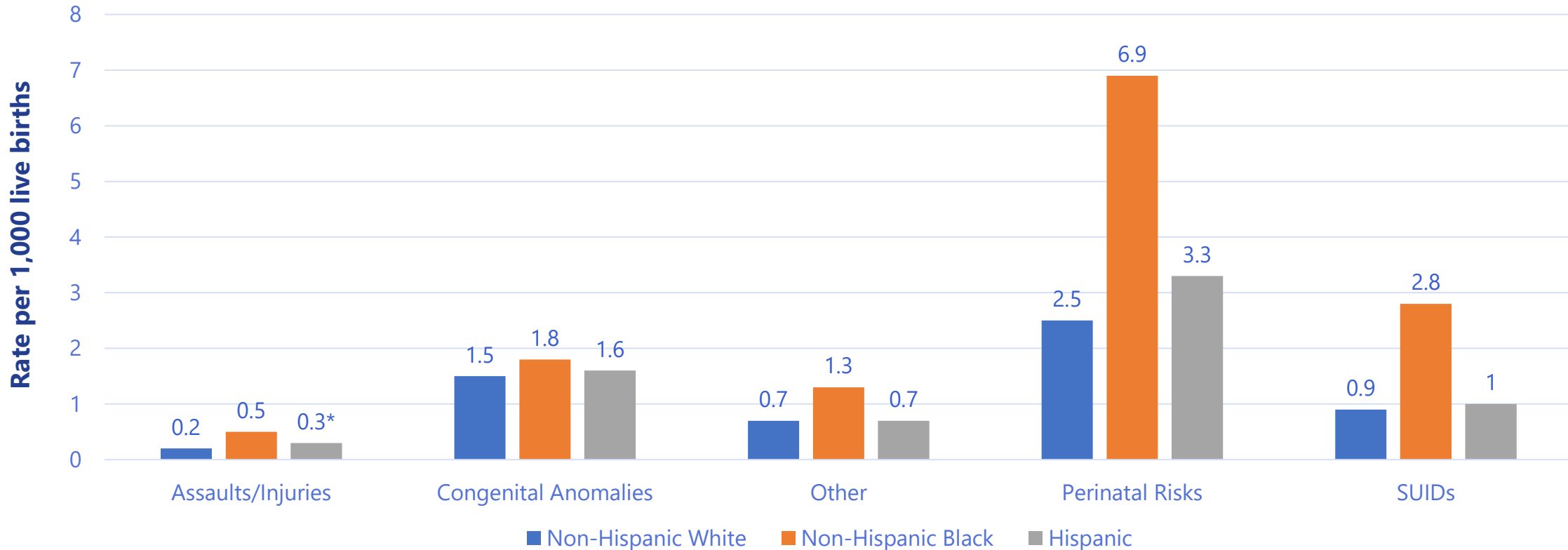


* Percentage is based on counts less than 20 and should be interpreted with caution.

Source: Indiana Department of Health, Maternal & Child Health Epidemiology Division [March 4th, 2022]
Indiana Original Source: Indiana Department of Health, Vital Records, ODA, Data Analysis Team

Infant Mortality Rate (IMR) by Race/Ethnicity

Indiana IMR by Race/Ethnicity, 2016-2020

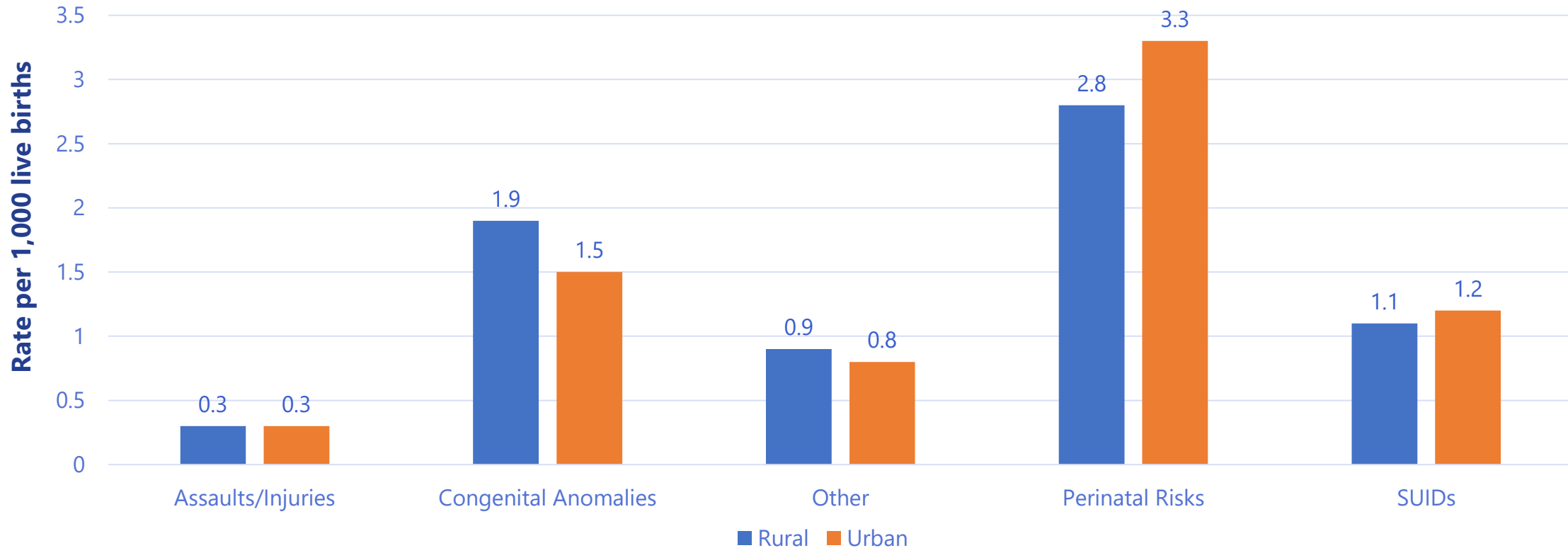


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Cause of Death Comparing Urban and Rural

Indiana IMR for Cause of Death by Urban/Rural Designation, 2016-2020



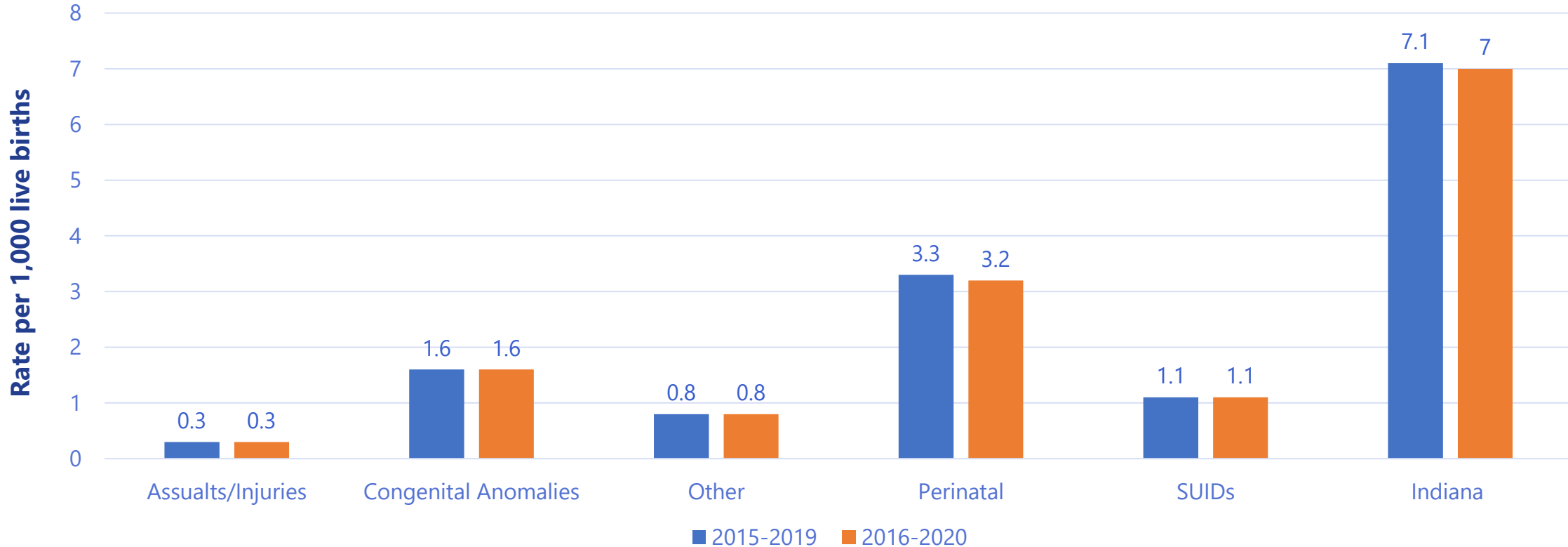


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Perinatal Risks

Cause of Death Five-Year Comparisons

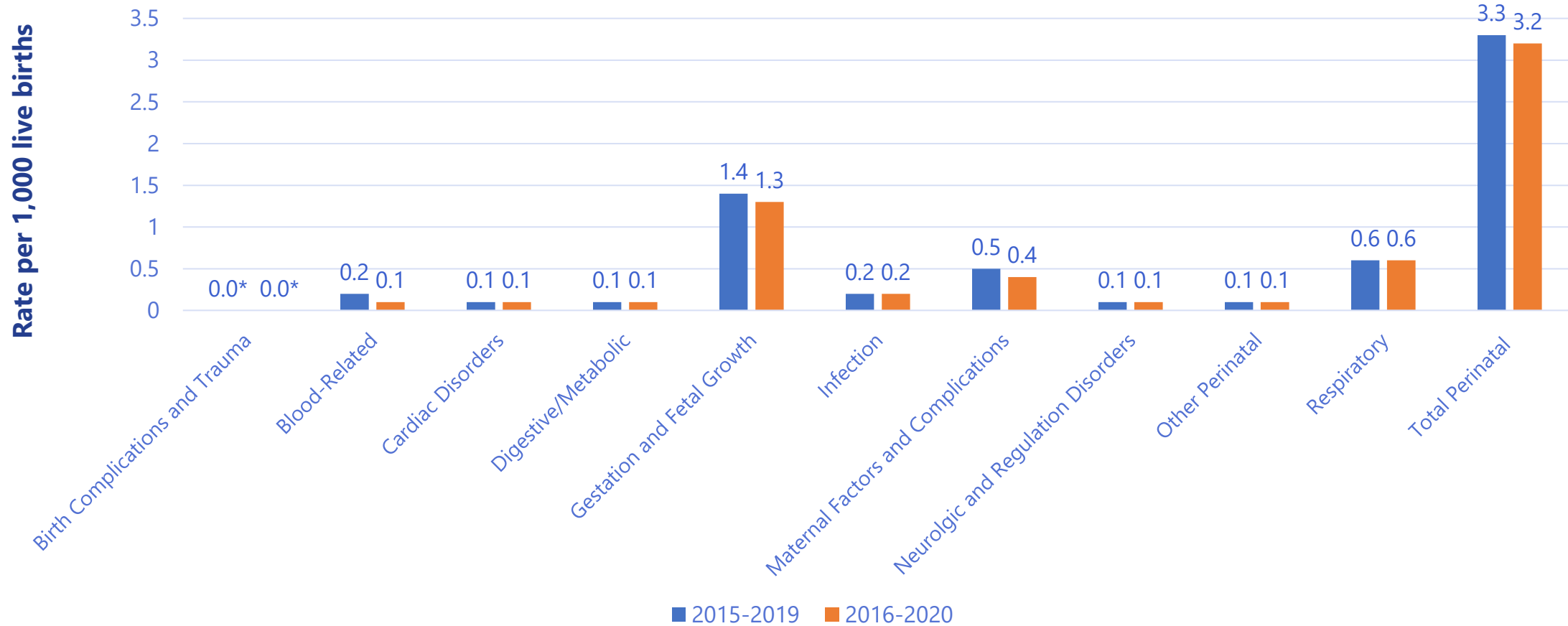
Indiana IMR by Cause of Death



Source: Indiana Department of Health, Maternal & Child Health Epidemiology Division [March 4th, 2022]
Indiana Original Source: Indiana Department of Health, Vital Records, ODA, Data Analysis Team

Perinatal Risks Five-Year Comparisons

IMR for Perinatal Causes of Death



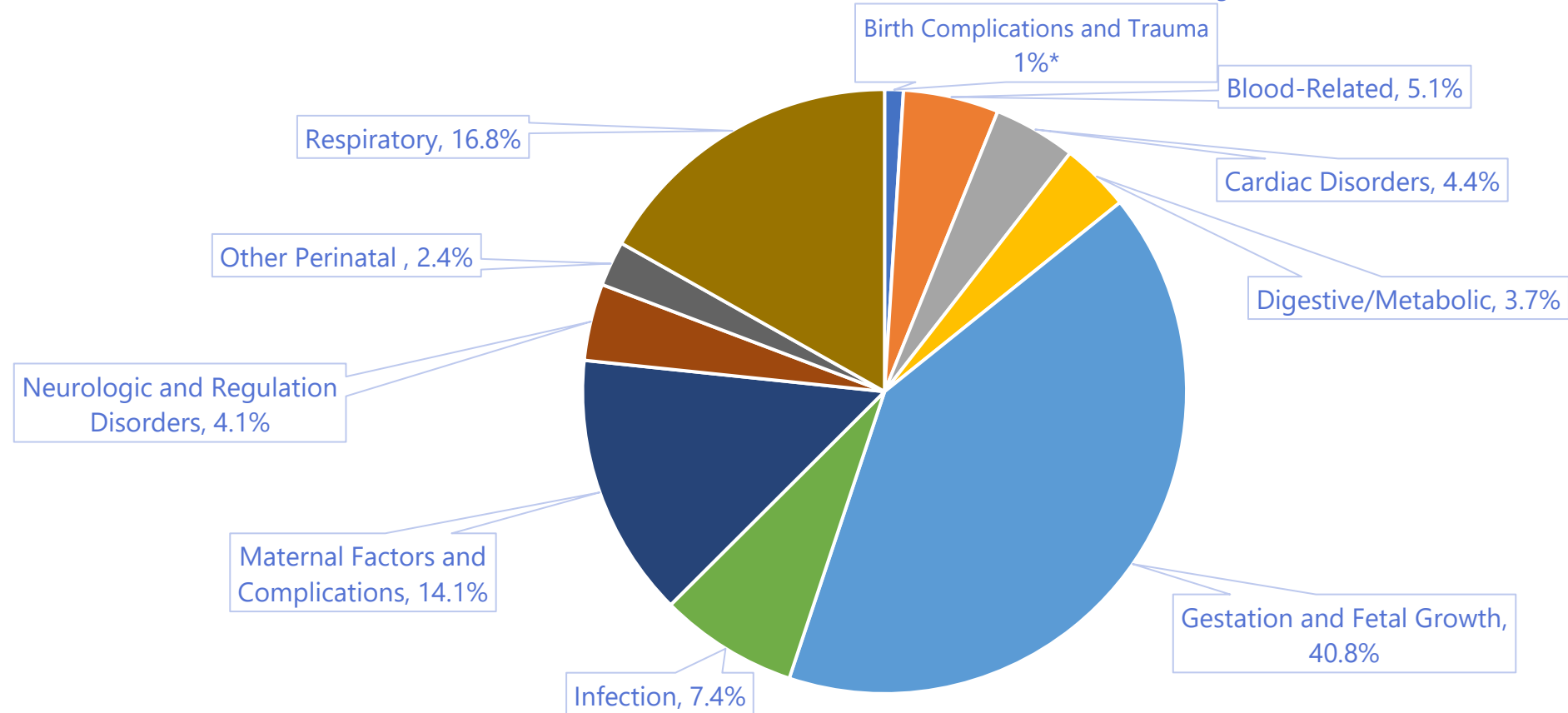
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Perinatal Risks 2015-2019

Perinatal Causes of Indiana Infant Mortality, 2015-2019

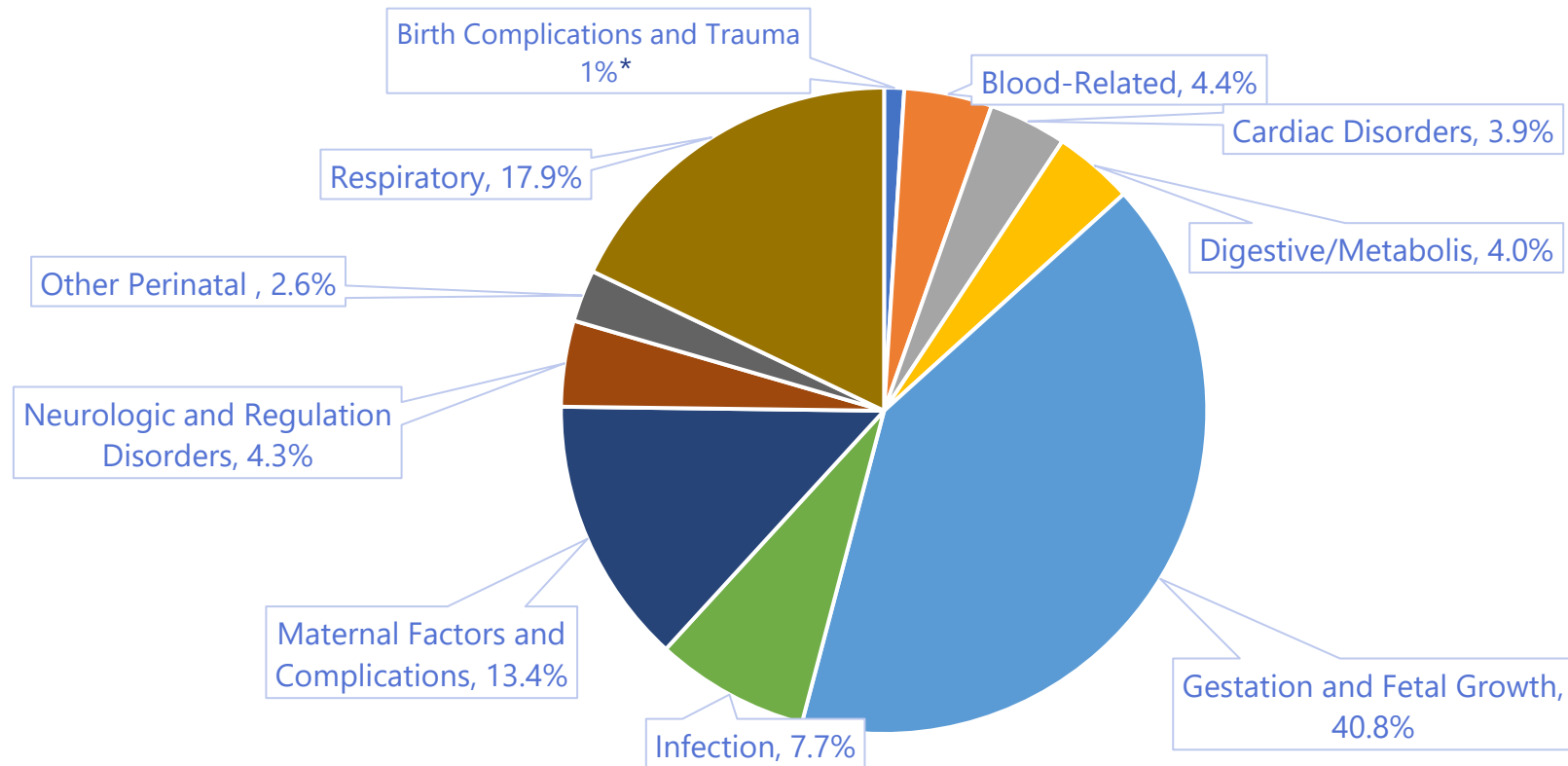


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Perinatal Risks 2016-2020

Perinatal Causes of Indiana Infant Mortality, 2016-2020

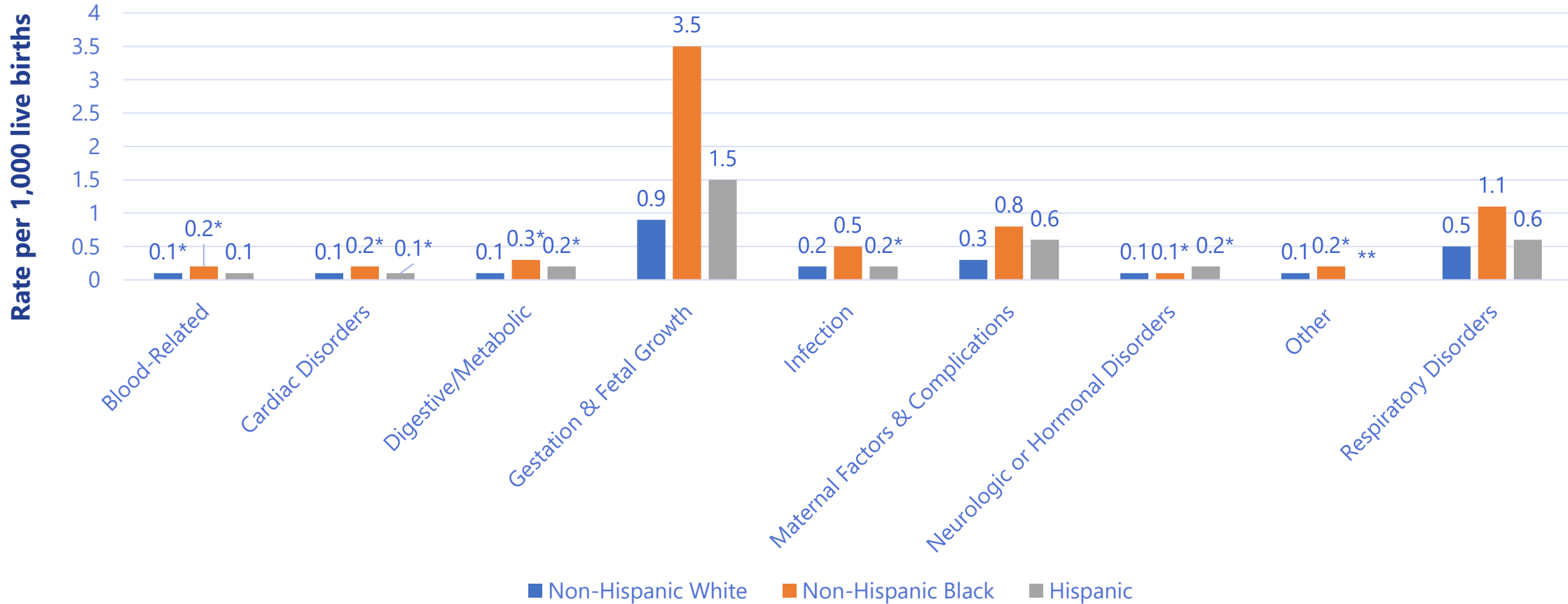


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IMR for Perinatal Risks by Race/Ethnicity

Indiana IMR for Perinatal Risks by Race/Ethnicity 2016-2020



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** Rate suppressed due to low counts

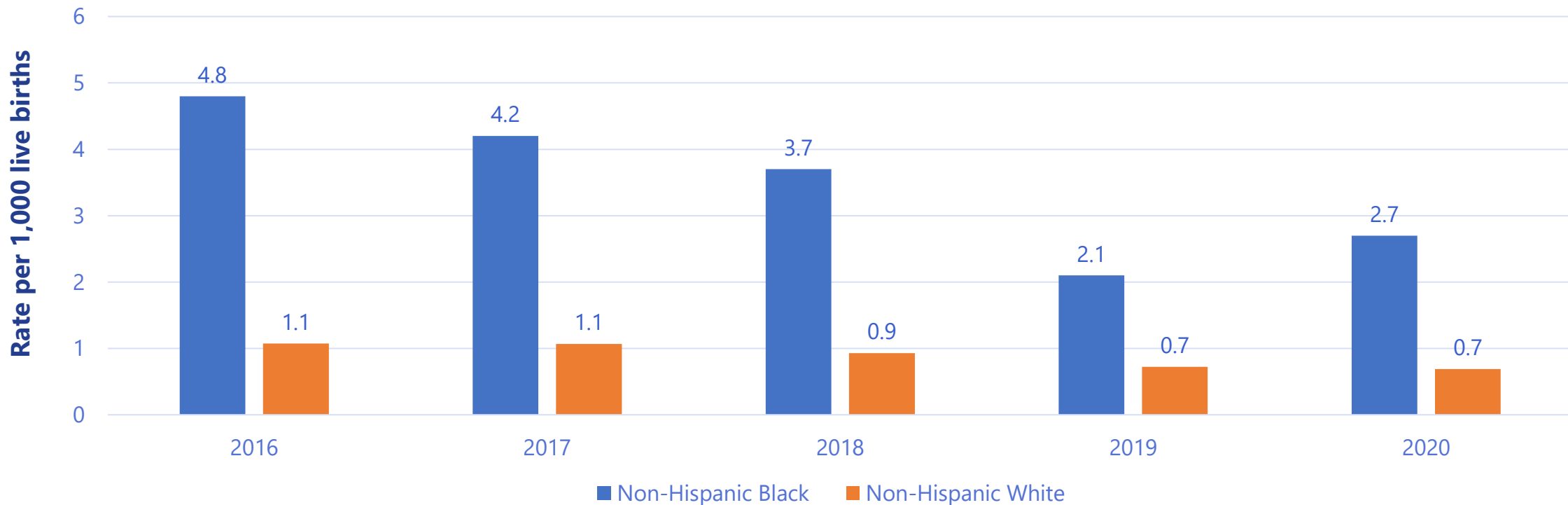
Source: Indiana Department of Health, Maternal & Child Health Epidemiology Division [March 4th, 2022]
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Top Select Perinatal Causes of Death 2016-2020 (n>15)

ICD-10 Code	N	Description
Top Maternal Factors and Complications		
P011	67	Premature Rupture of Membranes
P021	30	Placental Separation and Hemorrhage (excluding placenta previa)
P010	23	Incompetent Cervix
P027	16	Chorioamnionitis
Top Gestation and Fetal Growth Factors		
P072	390	Extreme Immaturity of Newborn
P073	122	Preterm Newborn
Top Respiratory Factors		
P280	60	Primary Atelectasis
P220	55	Respiratory Distress Syndrome
P285	24	Respiratory Failure

Gestational and Fetal Growth Factors

IMR among Non-Hispanic Black and Non-Hispanic White Populations for Gestation and Fetal Growth Factors





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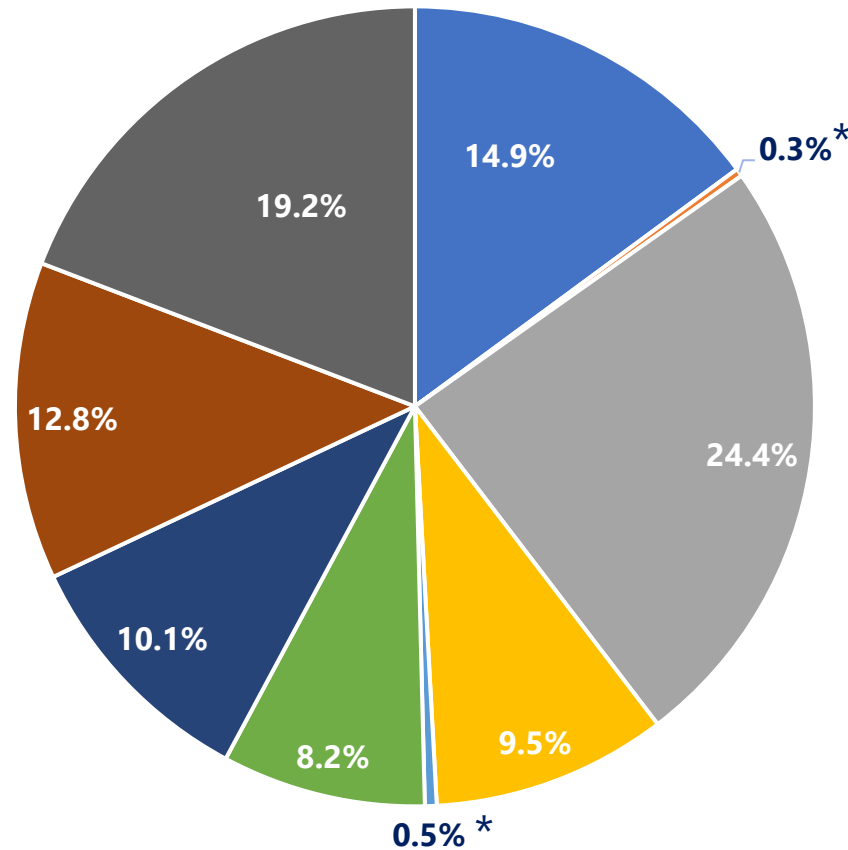
Congenital Anomalies

Top Causes of Death Related to Congenital Anomalies (n>20) 2016-2020

1. Anencephaly (Q000)
2. Hypoplastic left heart syndrome (Q234)
3. Congenital malformation of heart, unspecified (Q249)
4. Congenital hypoplasia and dysplasia of lung (Q336)
5. Congenital diaphragmatic hernia (Q790)
6. Multiple congenital malformations, not elsewhere classified (Q897)
7. Congenital malformation, unspecified (Q899)
8. Trisomy 18, unspecified (Q913)
9. Trisomy 13, unspecified (Q917)

Congenital Anomaly Causes of Death by ICD-10 Groupings, 2016-2020

Congenital Malformations



- Nervous System (Q00-Q07)
- Eye, Ear, Face and Neck (Q10-Q18)
- Circulatory System (Q20-Q28)
- Respiratory System (Q30-Q34)
- Digestive System (Q38-Q45)
- Urinary System (Q60-Q64)
- Musculoskeletal System (Q65-Q79)
- Other (Q80-Q89)
- Chromosomal Abnormalities, Not Elsewhere Classified (Q90-Q99)

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Assaults/Injuries

Top Assault/Injury Causes of Death (n>5), 2016-2020

ICD-10 Code	N	Code Description
W84	35	Unspecified Threat to Breathing
Y09	27	Unspecified Assault
Y079	8	Other Maltreatment Syndromes by Unspecified Person
Y20	7	Hanging, Strangulation, and Suffocation, Undetermined Intent
X85	6	Assault by Drugs, Medicaments and Biological Substances



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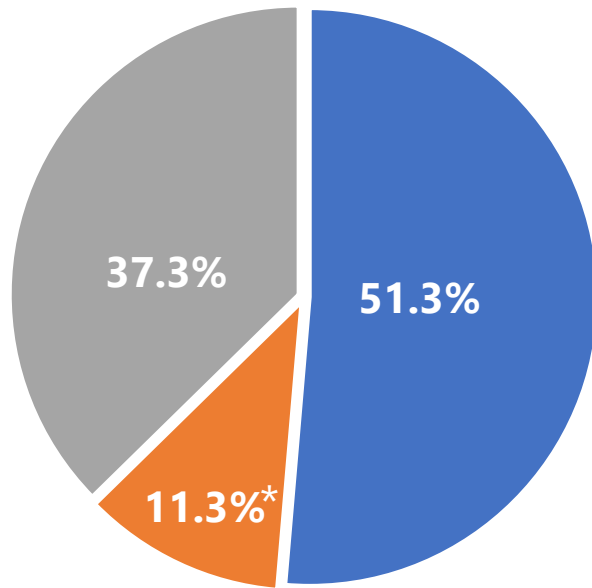
SUIDs

Frequency of SUIDs Codes, 2016-2020

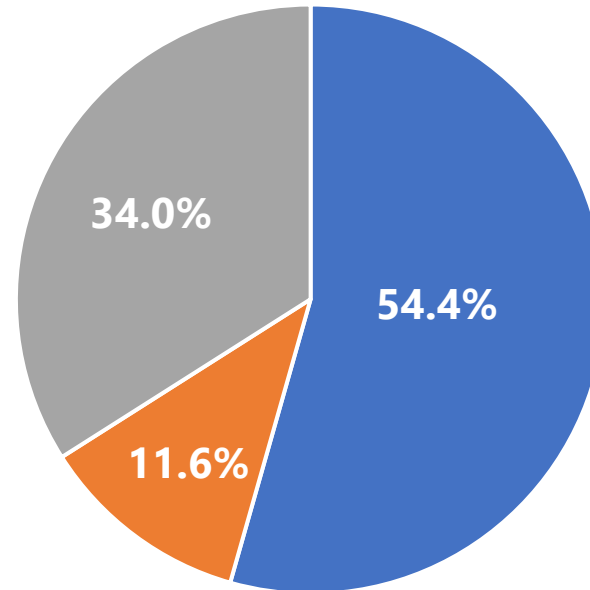
ICD-10 Code	N	Code Description
R95	251	Sudden Infant Death Syndrome (SIDS)
R99	54	Unknown
W75	161	Accidental Suffocation and Strangulation in Bed

Frequency of SUIDs Codes by Race/Ethnicity, 2016-2020

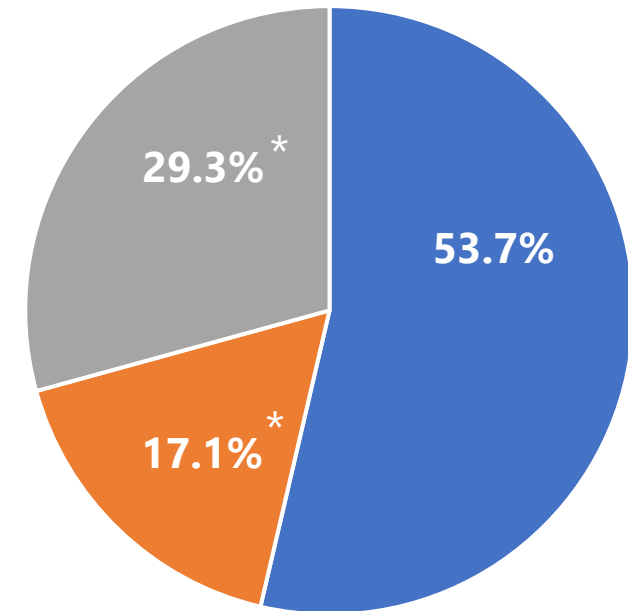
Non-Hispanic Black



Non-Hispanic White



Hispanic



R95 SIDS

W75 Accidental Suffocation and Strangulation in Bed

R99 Unknown

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Other Causes of Infant Mortality

Top “Other” Causes of Death (n>5)

2015-2019

1. Infectious gastroenteritis and colitis, unspecified (A090)
2. Sepsis, unspecified organism (A419)
3. Other disorders of the lung (J984)
4. Pneumonia, unspecified organism (J189)
5. Other secondary pulmonary hypertension (I272)
6. Other specified cerebrovascular diseases (I678)
7. Bronchopneumonia, unspecified organism (J180)
8. Other viral infections of unspecified site (B348)
9. Spinal muscular atrophy, unspecified (G129)
10. Interstitial pulmonary disease, unspecified (J849)

2016-2020

1. Infectious gastroenteritis and colitis, unspecified (A090)
2. Sepsis, unspecified organism (A419)
3. Bronchopneumonia, unspecified organism (J180)
4. Other disorders of the lung (J984)
5. Other specified cerebrovascular diseases (I678)
6. Pneumonia, unspecified organism (J189)
7. Other secondary pulmonary hypertension (I272)
8. Interstitial pulmonary disease, unspecified (J849)

Questions?

CONTACT:

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