



**2012  
South Carolina  
Residence Data**



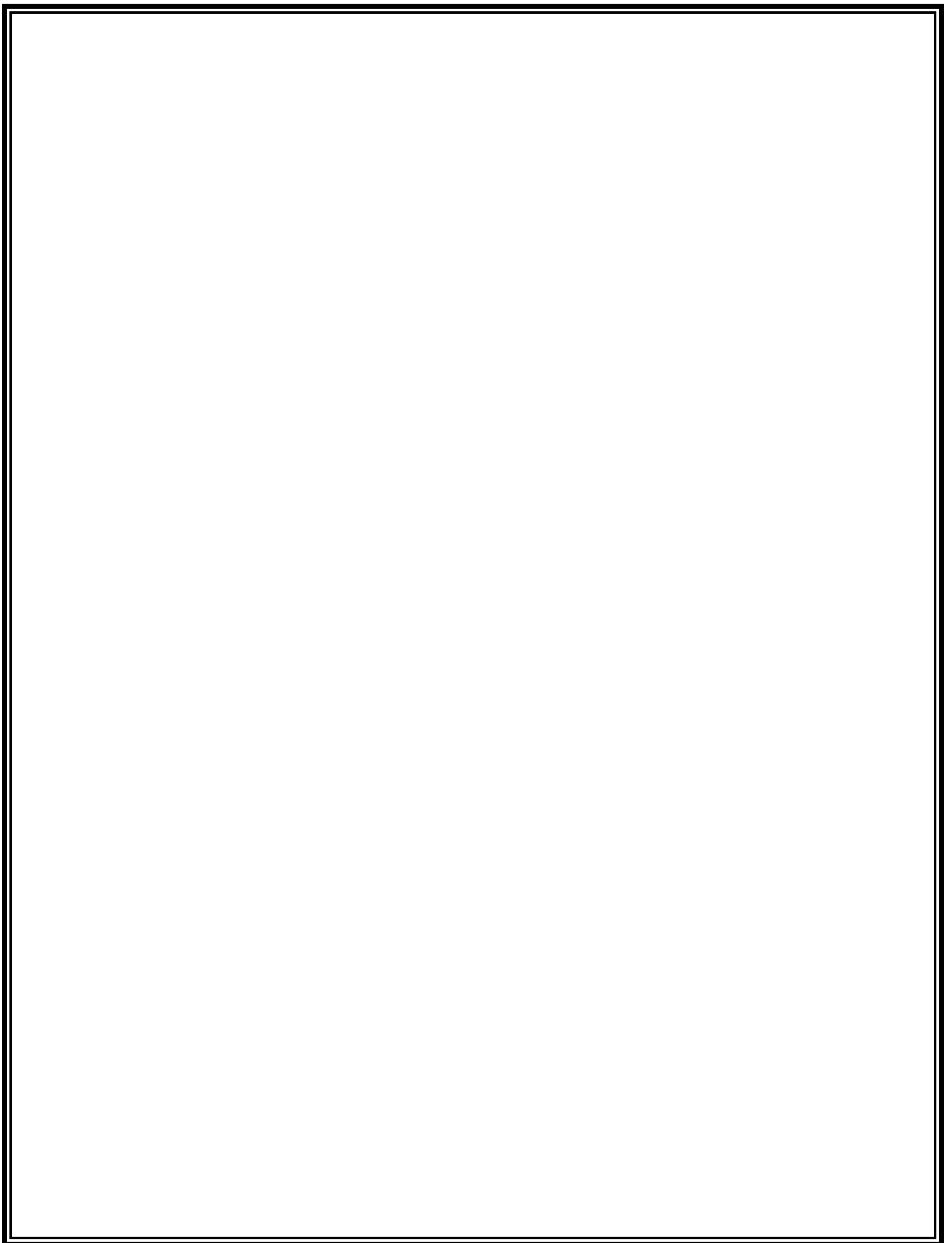
**Infant Mortality  
Highlights**

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# Highlights of 2012 Infant Mortality Report

## 1. Changes from 2011 to 2012 in SC:

The 2012 South Carolina infant mortality rate is 7.6 infant deaths per 1,000 live births, a 2.7% increase from previous year's rate of 7.4. When broken down by race there is a 6.0% increase of infant death rate in White race group from 5.0 per 1,000 live births in 2011 to 5.3 in 2012 and a 0.8% increase in Black and Other group from a rate of 11.8 per 1,000 live births in 2011 to 11.9 per 1,000 live births in 2012.

The neonatal mortality rate for White infants increased by 14.3% from the last year rate. The neonatal mortality rate for Black & Other increased by 1.3%. Thus, the neonatal mortality for all races increased by 6.8% from 4.4 in 2011 to 4.7 in 2012.

The postneonatal mortality rate for White infants decreased by 4.5% from 2011 and the postneonatal mortality rate for Black and Other did not change compared to the rate in 2011. The overall postneonatal mortality for all races stayed the same as in 2011 at 2.9 deaths per 1,000 live births.

**Table 1. Neonatal and Postneonatal Mortality Rates<sup>1</sup> by Race<sup>2</sup>**

Neonatal Mortality Rates			
Year	Total	White	Black & Other
2011	4.4	2.8	7.5
2012	4.7	3.2	7.6
<b>Percent Change</b>	6.8%	14.3%	1.3%
Postneonatal Mortality Rates			
Year	Total	White	Black & Other
2011	2.9	2.2	4.3
2012	2.9	2.1	4.3
<b>Percent Change</b>	0.0%	-4.5%	0.0%

Notes: <sup>1</sup>Rates per 1,000 live births

<sup>2</sup>Race of mother

## 2. IMR Disparity and Trends in US and Select States:

**Table 2. IMR by race in US and select states**

	2009			2010			2011			2012		
	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
<b>United States</b>	6.4	5.3	12.6	6.2	5.2	11.6	6.1	5.1	11.4			
<b>South Carolina</b>	<b>7.1</b>	<b>5.2</b>	<b>11.1</b>	<b>7.4</b>	<b>5.5</b>	<b>11.3</b>	<b>7.4</b>	<b>5.0</b>	<b>12.2</b>	<b>7.6</b>	<b>5.3</b>	<b>12.5</b>
<b>Alabama</b>	8.2	6.2	13.3	8.7	6.6	13.7	8.1	6.1	13.0			
<b>Georgia</b>	7.5	6.5	13.1	6.3	5.7	10.0	6.8	5.8	11.4			
<b>Mississippi</b>	10.0	7.0	13.6	9.6	6.4	13.8	9.4	6.5	13.2	8.8	5.4	13.1
<b>North Carolina</b>	7.9	5.4	15.8	7.0	5.3	12.7	7.2	5.5	12.9	7.4	5.5	13.9
<b>Tennessee</b>	8.0	6.0	16.0	7.9	6.3	13.8	7.4	6.0	12.8			

\*Total may include unknown race

### **3. Leading Causes of Infant Deaths in 2012:**

The top two leading causes of infant death remain the same as in 2011. In descending order for 2012, they are,

- “Congenital malformations, deformations, etc. (ICD-10 codes Q00-Q99)”
- “Disorders related to short gestation and low birthweight (ICD-10 code P07)”.

Infant death caused by “Congenital malformations, deformations, etc. (ICD-10 codes Q00-Q99)” decreased by 5.3% in 2012 from 76 in 2011 to 72 in 2012. The cause “Disorders related to short gestation and low birthweight (ICD-10 code P07)” increased by 3.2% from 63 in 2011 to 65 in 2012.

The third leading cause in 2012 is

- “Accidents (ICD-10 codes V01-X59, Y85-Y86)”

The number of Infant deaths caused by “Accidents (ICD-10 codes V01-X59, Y85-Y86)” increased by 36.7% from 30 in 2011 to 41 in 2012.

**Table 3. Leading causes of death comparison**

Cause of Infant Death Ranked by 2012 Data (ICD-10 Codes)	2011	2012	% Change
<b>Total Infant Deaths</b>	<b>423</b>	<b>435</b>	<b>2.8%</b>
Congenital malformations, deformations, etc. (Q00-Q99)	76	72	-5.3%
Disorders related to short gestation and low birthweight, NEC (P07)	63	65	3.2%
Accidents (V01-X59, Y85-Y86)	30	41	36.7%
Sudden infant death syndrome (R95)	45	33	-26.7%
Fetus and newborn affected by maternal complications of pregnancy (P01)	29	22	-24.1%
Newborn affected by complication of placenta, etc. (P02)	20	21	5.0%
Respiratory distress of newborn (P22)	14	18	28.6%
Diseases of circulatory system (I00-I99)	17	12	-29.4%
Bacterial sepsis of newborn (P36)	10	12	20.0%
Intrauterine hypoxia and birth asphyxia (P20-P21)	7	10	42.9%
All other causes	110	129	17.3%

### **4. Infant Mortality Rate to Hispanic Mothers**

Infant mortality rate to Hispanic mothers in 2012 is 3.4 per 1,000 live births, a 40.7% decrease from the previous year.

**Table 4. Infant mortality rate to Hispanic mothers**

Year	Births	Deaths	Rate
2011	4,826	28	5.8
2012	4,649	16	3.4
<b>Percent Change</b>	<b>-3.7%</b>	<b>-42.9%</b>	<b>-40.7%</b>

## **5. Breakdown of Infant Deaths due to Accidents**

**Table 5. Breakdown of Infant Deaths due to Accidents**

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>Total (2006-2012)</b>
Accidental suffocation and strangulation in bed (W75, W84)	22	34	37	22	25	21	<b>39</b>	200
Other accidental threats to breathing	5	2	2	3	2	2	<b>0</b>	16
Transportation	1	3	1	5	1	3	<b>1</b>	15
Drowning	2	0	0	0	0	1	<b>0</b>	3
Poison	1	1	0	1	0	1	<b>0</b>	4
Other accidents	2	3	1	2	4	2	<b>1</b>	15

## **6. Trends in Multiple Births in SC**

**Table 6. Multiple births trends in SC, 2008–2012, All Races**

Year	Singleton Births	Singleton Deaths	Infant Mortality Rate*	Twin Births	Twin Deaths	Infant Mortality Rate*	Higher Order (3+) Births	Higher Order (3+) Deaths	Infant Mortality Rate*	Total Births**	Total Deaths**	Infant Mortality Rate*
2008	60,954	420	6.9	2,071	75	36.2	52	9	173.1	63,077	504	8.0
2009	58,515	377	6.4	2,072	48	23.2	95	4	42.1	60,682	430	7.1
2010	56,393	382	6.8	1,867	43	23.0	65	5	76.9	58,325	430	7.4
2011	55,343	358	6.5	1,915	65	33.9	80	0	0.0	57,338	423	7.4
2012	55,122	380	6.9	1,918	54	28.2	58	1	17.2	57,100	435	7.6
Total	286,327	1,917	6.7	9,843	285	29.0	350	19	54.3	296,522	2,222	7.5

\* Rates per 1,000 births. Rates calculated with 20 or fewer deaths are unreliable and should be used cautiously.

\*\* Includes unknown plurality

## **7. Leading Causes of Infant Deaths, 2010-2012:**

**Table 7.1 South Carolina Infant Deaths, Resident Data, 2010-2012, All races**

<b>Rank</b>	<b>Cause of death</b>	<b>Number</b>	<b>Mortality rate*</b>
	.....Total Infant Deaths.....	1288	7.5
1	Congenital malformations, deformations, etc. (Q00-Q99).....	223	1.3
2	Disorders related to short gestation and low birthweight (P07).....	190	1.1
3	Sudden infant death syndrome (R95).....	127	0.7
4	Accidents (V01-X59, Y85-Y86).....	103	0.6
5	Fetus and newborn affected by maternal complications of pregnancy (P01)...	70	0.4
6	Newborn affected by complications of placenta, etc. (P02).....	55	0.3
7	Disease of circulatory system (I00-I99).....	45	0.3
8	Respiratory distress of newborn (P22).....	36	0.2
9	Bacterial sepsis of newborn (P36).....	36	0.2
10	Intrauterine hypoxia and birth asphyxia (P20-P21).....	27	0.2
10	Necrotizing enterocolitis of newborn (P77).....	27	0.2
	.....All Other Causes.....	349	2.0

**Table 7.2 South Carolina Infant Deaths, Resident Data, 2010-2012, White**

<b>Rank</b>	<b>Cause of death</b>	<b>Number</b>	<b>Mortality rate*</b>
	.....All White Infant Deaths.....	578	5.1
1	Congenital malformations, deformations, etc. (Q00-Q99).....	114	1.0
2	Disorders related to short gestation and low birthweight (P07).....	67	0.6
3	Accidents (V01-X59, Y85-Y86).....	56	0.5
4	Sudden infant death syndrome (R95).....	54	0.5
5	Newborn affected by complications of placenta, etc. (P02).....	22	0.2
6	Disease of circulatory system (I00-I99).....	20	0.2
7	Fetus and newborn affected by maternal complications of pregnancy (P01)...	18	0.2
8	Intrauterine hypoxia and birth asphyxia (P20-P21).....	18	0.2
9	Bacterial sepsis of newborn (P36).....	15	0.1
10	Neonatal hemorrhage (P50-P52, P54).....	13	0.1
	.....All Other Causes.....	181	1.6

**Table 7.3 South Carolina Infant Deaths, Resident Data, 2010-2012, Black and Other**

<b>Rank</b>	<b>Cause of death</b>	<b>Number</b>	<b>Mortality rate*</b>
	.....All Black And Other Infant Deaths.....	710	11.8
1	Disorders related to short gestation and low birthweight (P07).....	123	2.0
2	Congenital malformations, deformations, etc. (Q00-Q99).....	109	1.8
3	Sudden infant death syndrome (R95).....	73	1.2
4	Fetus and newborn affected by maternal complications of pregnancy (P01)...	52	0.9
5	Accidents (V01-X59, Y85-Y86).....	47	0.8
6	Newborn affected by complications of placenta, etc. (P02).....	33	0.5
7	Disease of circulatory system (I00-I99).....	25	0.4
8	Respiratory distress of newborn (P22).....	25	0.4
9	Bacterial sepsis of newborn (P36).....	21	0.3
10	Neonatal hemorrhage (P50-P52, P54).....	15	0.2
	.....All Other Causes.....	187	3.1

\* Rates per 1,000 live births.