

SCSL Digital Collections

Infant Mortality Highlights : 2011 South Carolina Residence Data

Item Type	Text
Publisher	South Carolina State Library
Rights	Copyright status undetermined. For more information contact, South Carolina State Library, 1500 Senate Street, Columbia, South Carolina 29201.
Download date	2024-11-10 00:58:33
Link to Item	http://hdl.handle.net/10827/29053



**2011
South Carolina
Residence Data**



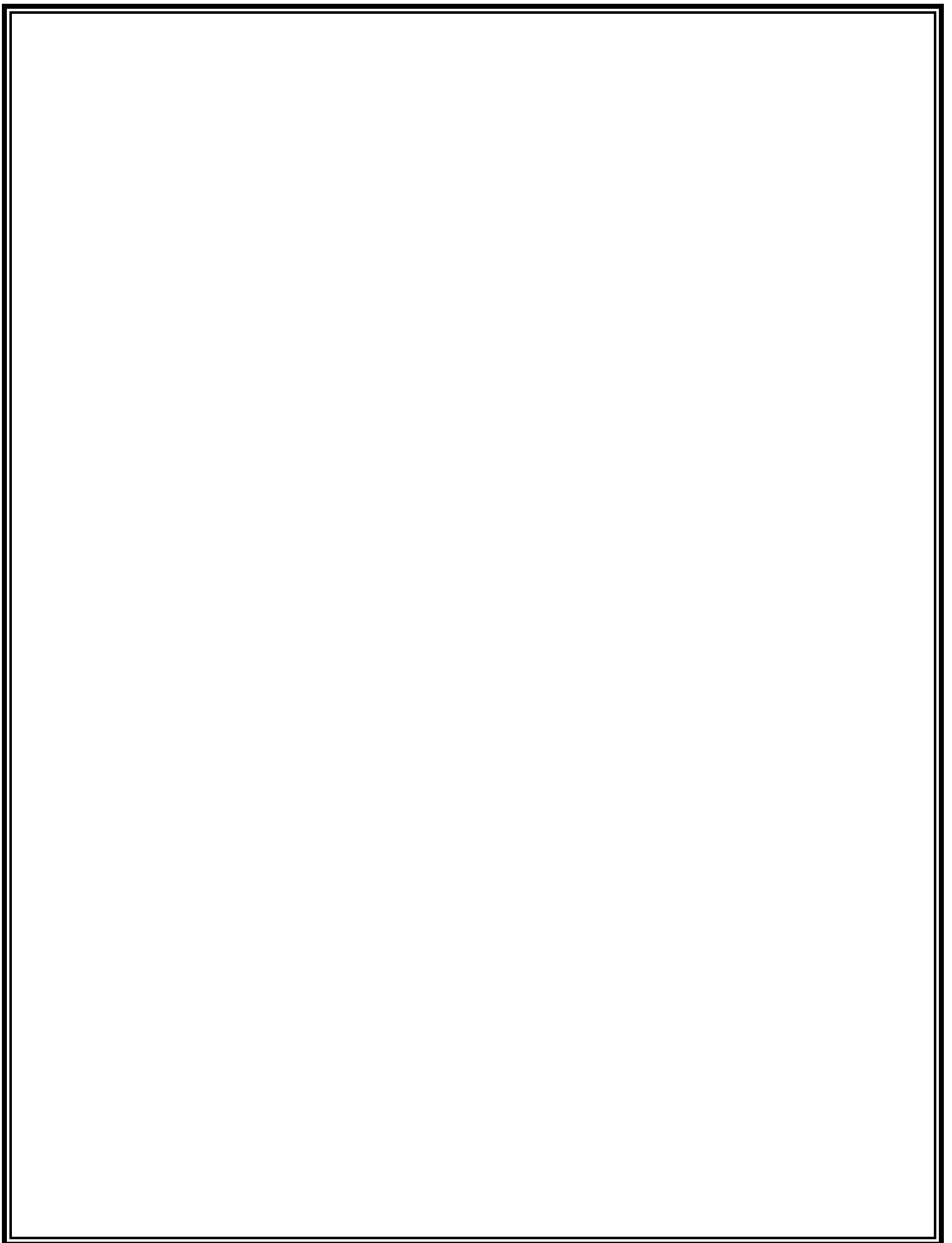
**Infant Mortality
Highlights**

September 2012

**South Carolina Department of Health and Environmental Control
Office of Public Health Statistics and Information Services
Division of Biostatistics
2600 Bull Street
Columbia, SC 29201**

**Phone: (803)898-3649
Fax: (803)898-3661**





Highlights of 2011 Infant Mortality

1. Changes from 2010 to 2011 in SC:

The 2011 South Carolina infant mortality rate is 7.4 infant deaths per 1,000 live births, unchanged from the previous year's rate. When broken down by race there is a 9.1% decrease in the rate for the White race group from 5.5 per 1,000 live births in 2010 to 5.0 in 2011 and a 8.3% increase in Black and Other group from a rate of 10.9 per 1,000 live births in 2010 to 11.8 per 1,000 live births in 2011.

The neonatal mortality rate for White infants decreased by 15.5% from the last year. The neonatal mortality rate for Black & Other increased by 7.1%. Thus, the neonatal mortality for all races decreased by 4.3% from 4.6 in 2010 to 4.4 in 2011.

The postneonatal mortality rate for White infants did not change compared to the rate in 2010 and the postneonatal mortality rate for Black and Other increased by 10.3% from 2010. The overall postneonatal mortality for all races increased by 3.6% to a rate of 2.9 deaths per 1,000 live births in 2011.

Table 1. Neonatal and Postneonatal Mortality Rates¹ by Race²

Neonatal Mortality			
Year	Total	White	Black & Other
2010	4.6	3.3	7.0
2011	4.4	2.8	7.5
Percent Change	-4.3%	-15.2%	7.1%
Postneonatal Mortality			
Year	Total	White	Black & Other
2010	2.8	2.2	3.9
2011	2.9	2.2	4.3
Percent Change	3.6%	0.0%	10.3%

Notes: ¹Rates per 1,000 live births

²Race of mother

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

Table 2. IMR by race in US and select states

	2008			2009			2010			2011		
	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
United States	6.6	5.5	12.7	6.4	5.3	12.6	6.1	5.2	11.6	6.0	5.1	11.4
South Carolina	8.0	6.1	11.7	7.1	5.2	11.1	7.4	5.5	11.3	7.4	5.0	12.2
Alabama	9.5	7.6	14.1	8.2	6.2	13.3	8.7	6.6	13.7	8.1	6.1	13.0
Georgia	8.0	7.3	13.8	6.8	4.6	12.5	6.3	5.7	10.0			
Mississippi	9.9	7.4	13.1	10.0	7.0	13.6	9.6	6.4	13.8	9.4	6.5	13.2
North Carolina	8.2	6.0	14.7	7.9	5.4	15.8	7.0	5.3	12.7	7.2	5.5	12.9
Tennessee	8.0	6.1	15.0	8.0	6.0	16.0						

*Total may include unknown race

3. Leading cause of infant deaths in 2011:

The top two leading causes of infant death remain the same as in 2010. In descending order for 2011, 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)” increased by 1.3% in 2011 from 75 in 2010 to 76 in 2011. The cause “Disorders related to short gestation and low birthweight (ICD-10 code P07)” increased by 1.6% from 62 in 2010 to 63 in 2011.

The third leading cause in 2011 is again

- “Sudden infant death syndrome (ICD-10 code R95)”

The number of Infant deaths caused by “Sudden infant death syndrome (ICD-10 code R95)” decreased by 8.2% from 49 in 2010 to 45 in 2011.

Table 3. Leading causes of death comparison

Cause of Infant Death Ranked by 2011 Data (ICD-10 Codes)	2010	2011	% Change
Total Infant Death	430	423	-1.6%
Congenital malformations, deformations, etc. (Q00-Q99)	75	76	1.3%
Disorders related to short gestation and low birthweight, NEC (P07)	62	63	1.6%
Sudden infant death syndrome (R95)	49	45	-8.2%
Accidents (V01-X59, Y85-Y86)	32	30	-6.3%
Fetus and newborn affected by maternal complications of pregnancy (P01)	19	29	52.6%
Newborn affected by complication of placenta, etc. (P02)	14	20	42.9%
Diseases of circulatory system (I00-I99)	16	17	6.3%
Respiratory distress of newborn (P22)	4	14	250.0%
Bacterial sepsis of newborn (P36)	14	10	-28.6%
Necrotizing enterocolitis of newborn (P77)	9	9	0.0%
All other causes	136	110	-19.1%

4. Infant Mortality Rate to Hispanic Mother

Infant mortality rate to Hispanic mother in 2011 is 5.8 per 1,000 live births, a 21.7% increase from the previous year.

Table 4. Infant mortality rate to Hispanic mother

Year	Births	Deaths	Rate
2010	5,034	24	4.8
2011	4,826	28	5.8
Percent Change	-4.1%	16.7%	21.7%

5. Breakdown of Infant Deaths due to Accidents

Table 5. Breakdown of Infant Deaths due to Accidents

	2005	2006	2007	2008	2009	2010	2011	Total (2005-2011)
Accidental suffocation and strangulation in bed	14	22	34	37	22	25	21	175
Other accidental threats to breathing	4	5	2	2	3	2	2	20
Transportation	3	1	3	1	5	1	3	17
Drowning	4	2	0	0	0	0	1	7
Poison	2	1	1	0	1	0	1	6
Other accidents	1	2	3	1	2	4	2	15

6. Trends in Multiple Births in SC

Table 6. Multiple birth trends in SC, 2007–2011, All Race

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*
2007	60,783	473	7.8	2,059	63	30.6	91	1	11.0	62,933	538	8.5
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
Total	291,988	2,010	6.9	9,984	294	29.4	383	19	49.6	302,355	2,325	7.7

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

** Includes unknown plurality

7. Infant death leading causes of death, 2009 to 2011:

Table 8.1 South Carolina Infant Deaths, Resident Data, 2009-2011, All races

Rank	Cause of death	Number	Mortality rate*
	.....Total Infant Deaths.....	1283	7.3
1	Congenital Malformations, etc. (Q00-Q99).....	222	1.3
2	Disorders Related to Short Gestation, etc. (P07).....	193	1.1
3	Sudden Infant Death Syndrome (R95).....	138	0.8
4	Accidents (V01-X59,Y85-Y86).....	95	0.5
5	Newborn Affected by Maternal Comp of Pregnancy (P01).....	76	0.4
6	Newborn Affected by Comp of Placenta, etc. (P02).....	47	0.3
7	Disease of Circulatory System (I00-I99).....	43	0.2
8	Bacterial Sepsis of Newborn (P36).....	38	0.2
9	Neonatal Hemorrhage (P50-P52, P54).....	30	0.2
10	Respiratory Distress of Newborn (P22).....	25	0.1
	.....All Other Causes.....	376	2.1

Table 8.2 South Carolina Infant Deaths, Resident Data, 2009-2011, White

Rank	Cause of death	Number	Mortality rate*
	.....All White Infant Deaths.....	577	5.0
1	Congenital Malformations, etc. (Q00-Q99).....	109	1.0
2	Disorders Related to Short Gestation, etc. (P07).....	70	0.6
3	Sudden Infant Death Syndrome (R95).....	68	0.6
4	Accidents (V01-X59,Y85-Y86).....	53	0.5
5	Newborn Affected By Maternal Comp of Pregnancy (P01).....	26	0.2
6	Disease of Circulatory System (I00-I99).....	21	0.2
7	Intrauterine Hypoxia And Birth Asphyxia (P20-P21).....	17	0.1
8	Bacterial Sepsis of Newborn (P36).....	17	0.1
9	Newborn Affected by Comp of Placenta, etc. (P02).....	16	0.1
10	Neonatal Hemorrhage (P50-P52, P54)	15	0.1
	.....All Other Causes.....	165	1.4

Table 8.3 South Carolina Infant Deaths, Resident Data, 2009-2011, Black and Others

Rank	Cause of death	Number	Mortality rate*
	.....All Black And Other Infant Deaths.....	706	11.5
1	Disorders Related To Short Gestation, etc. (P07).....	123	2.0
2	Congenital Malformations, etc. (Q00-Q99).....	113	1.8
3	Sudden Infant Death Syndrome (R95).....	70	1.1
4	Newborn Affected By Maternal Comp of Pregnancy (P01).....	50	0.8
5	Accidents (V01-X59,Y85-Y86).....	42	0.7
6	Newborn Affected by Comp of Placenta, etc. (P02).....	31	0.5
7	Disease of Circulatory System (I00-I99).....	22	0.4
8	Bacterial Sepsis Of Newborn (P36).....	21	0.3
9	Respiratory Distress of Newborn (P22).....	18	0.3
10	Neonatal Hemorrhage (P50-P52, P54).....	15	0.2
	.....All Other Causes.....	201	3.3

* Rates per 1,000 live births.