

This document provides written highlights for the county and zip code maps and tables provided to the panel at the August 28th, 2009 meeting.

County Highlights (1998-2007)

During the period of 1998 through 2007, a total of 2,846 infant deaths occurred to Kansas residents. The infant death rate (IMR) was 7.18 per 1,000 live births.

- 1,932 (68%) of infant deaths occurred in white non-Hispanic. The rate was 6.48.
- 436 (15%) of infant deaths occurred in black non-Hispanic. The rate was 15.68
- 370 (13%) of infant deaths occurred in Hispanic. The rate was 7.00.

On map handouts in 8-28-09 Panel meeting, the “natural breaks” method was used to determine county map categories.

Infant mortality rate per 1,000 live births by county, 1998-2007:

- Chase, Clark, Comanche, Decatur, Logan, Mitchell and Rush counties had no infant deaths.
- Sedgwick County had the largest number of infant deaths (22%).
- The four largest metropolitan areas (Sedgwick, Johnson, Wyandotte, Shawnee) and Geary County comprised 56% of the total number of infant deaths.

Black Non-Hispanic infant mortality rate per 1,000 live births by county, 1998-2007:

- 25 counties had black non-Hispanic infant deaths.
- Sedgwick County had the largest number of black non-Hispanic infant deaths (36%).
- The four largest metropolitan areas (Sedgwick, Wyandotte, Shawnee, Johnson) and Geary County comprised 86% of the total number of black non-Hispanic infant deaths.

ZIP Code Area Highlights (1998-2007)

All ZIP code maps display number of infant deaths by ZIP code, 1998-2007.

- In the 10 year period, more than 20 deaths in a ZIP code was shaded red.
- 39 ZIP code areas had 20 or more infant deaths and these had 52% of the total number of infant deaths. These included the following zip codes (corresponding city is listed in parentheses):
 - 66002 (Atchison)
 - 66044 (Lawrence)
 - 66048 (Leavenworth)
 - 66061, 66062, 66203, 66205, 66216 (Johnson County cities)
 - 66101, 66102, 66103, 66104, 66106 (Kansas City)
 - 66441 (Junction City)
 - 66442 (Fort Riley)
 - 66502 (Manhattan)
 - 66604, 66605, 66614 (Topeka)
 - 66762 (Pittsburg)
 - 66801 (Emporia)
 - 67005 (Arkansas City)

- 67203, 67207, 67208, 67209, 67210, 67211, 67212, 67213, 67214, 67216, 67217, 67218 (Wichita)
- 67401 (Salina)
- 67501 (Hutchinson)
- 67530 (Great Bend)
- 67801 (Dodge City)
- 67846 (Garden City)
- 67901 (Liberal)

Number of black non-Hispanic infant deaths by ZIP code, 1998-2007:

- Five ZIP code areas had more than 20 infant deaths and these had 35% of the total number of black non-Hispanic infant deaths.
- These included Kansas City ZIP codes 66101, 66102, 66104, Topeka ZIP code 66605, and Wichita ZIP code 67214.

Trends

- Black non-Hispanic IMR: There is a (strong) increasing trend over the 10 year period, 1998-2007, that is statistically significant. The annual percent change (APC), 4.50 is significant.
- In Sedgwick County, white non-Hispanic IMR is significantly lower in the 5 year period 2003-2007 (6.18) compared to 1998-2002 (7.90) especially in neonatal deaths.
- Neonatal mortality rate: The Sedgwick County white non-Hispanic neonatal mortality rate is significantly lower in the period 2003-2007 (4.09) compared to 1998-2002 (5.71).
- Postneonatal MR: There is an increasing trend over the 10 year period, 1998-2007, that is statistically significant. The APC (2.25) is significant.
- The ratio of black non-Hispanic and white non-Hispanic IMR: There is a statistically significant increasing trend from 1998 to 2007.

Comparison with the U.S. data

- In the United States, the infant mortality rate was 6.69 infant deaths per 1,000 live births in 2006. (KS 7.16) During the same period, the neonatal rate was 4.5 deaths per 1,000 live births (KS 4.30), and the postneonatal rate was 2.2 deaths per 1,000 live births (KS 2.86).