

# Kansas City Fetal Infant Mortality Review

## Case Review Team Report to the Community Action Team

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April 2011

# Fetal Infant Mortality Review

- Six Years of Review

9/2004-4/2011

- 109 Cases Reviewed as of April 2011

- 10 ZIP Codes, Kansas City, Missouri

64109	64110	64123	64124	64127
64128	64130	64131	64132	64134

# Demographics of FIMR Mothers

	FIMR GROUP n=109	CITY LIVE BIRTHS n=7744
	April 2011	KCMO data 2009
Age range	16-41	13-51
<20 yrs	18.3%	11.4%
20 - 34 yrs	72.5%	77.2%
35 + yrs	9.0%	11.4%
African American	84.4%	37.3%
Single	88.9%	51.4%
Medicaid	89.3%	51.4%

Data 9/04-4/11

# Four Trends Persist with Analysis of 109 Cases

- Nutrition (obesity)
- Little or no prenatal care
- Addiction to alcohol / tobacco / drugs
- Asthma

# BMI Categories

	FIMR GROUP n=109		CITY LIVE BIRTHS n=7744
	April 2011	October 2010	KCMO data 2009
Normal Weight	31.2%	29.1%	48.5 %
Underweight	2.8%	2.9%	4.0 %
Overweight	23.9%	23.3%	24.2%
Obese	35.8%	35.9%	23.3 %

Data 9/04-4/11

# Prenatal Care

	FIMR GROUP n=109		CITY LIVE BIRTHS n=7744
	April 2011	October 2010	KCMO data 2009
Adequate Care	30.6%	31.4%	85.9%
Marginal Care	6.1%	6.5%	9.9%
Inadequate Care (49/109)	63.3%	63.0%	4.1%

Data 9/04-4/11

# Smoking / Alcohol / Drugs During Pregnancy

	FIMR GROUP n=109		CITY LIVE BIRTHS n=7744
	April 2011	October 2010	KCMO data 2009
Smoking	39.4%	38.8%	11.4%
Alcohol	8.3%	8.7%	0.7%
Drugs	22.0%	25.2%	1.7%

Data 9/04-4/11

# Asthma

- Asthma rate in FIMR ZIP codes is 20.2%



# Mortality by ZIP Code

Zip Codes	Infant Deaths	Fetal Deaths	Total
64109	1	1	2 (1.8%)
64110	5	5	10 (9.1%)
64123			
64124	3	0	3 (2.7%)
64127	6	9	15 (13.7%)
64128	13	9	22 (20.1%)
64130	17	10	27 (24.7%)
64131	1	2	3 (2.7%)
64132	15	9	24 (20.1%)
64134	1	2	3 (2.7%)
Total	62	47	109 (100%)

Data 9/04-4/11

# Live Born Deaths

- 109 deaths reviewed YTD

47 Fetal Deaths

62 Infant Deaths

34 of 62 babies born alive died of complications of prematurity

- 24 babies were < 24 weeks gestation
- 10 babies were < 37 weeks gestation

8 babies died of chromosomal defects or congenital anomalies

10 deaths were attributed to perinatal factors and other reasons

3 babies died of Sudden Infant Death Syndrome (SIDS)

7 babies died of unsafe sleeping conditions

# Infant Mortality Rate

IMR measures the risk of dying during the first year of life

Healthy People 2010 Goal IMR	4.5 / 1000 live births
National IMR Data 2005, CDC	6.8 / 1000 live births
Missouri IMR Data 2008	7.2 / 1000 live births
Kansas City IMR Data 2008	8.2 / 1000 live births

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