


# Infant Mortality

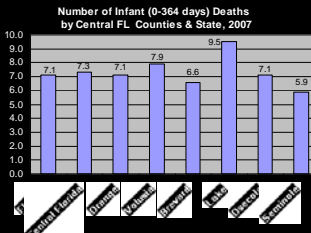
Scope, Social Impact, Solution...  
Putting the Pieces Together

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# Scope

Number of Infant (0-364 days) Deaths by Central FL. Counties & State, 2007



| County/State    | Number of Deaths |
|-----------------|------------------|
| Central Florida | 7.1              |
| Duval           | 7.5              |
| Alachua         | 7.1              |
| Volusia         | 7.9              |
| Orange          | 6.6              |
| Seminole        | 9.5              |
| State           | 7.1              |
| State Total     | 5.9              |

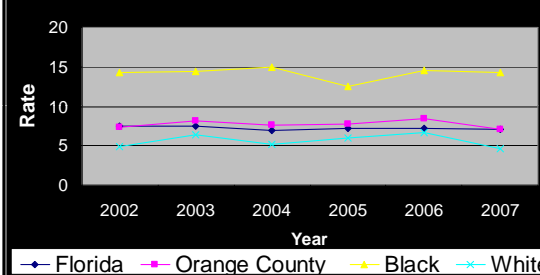
Data Source: Florida Department of Health, Bureau of Vital Statistics

# Scope

|                 | A Black Infant Dies In... | A White Infant Dies In... | A Hispanic Infant Dies In... |
|-----------------|---------------------------|---------------------------|------------------------------|
| Florida         | Every 13 Hours            | Every 9 Hours             | Everyday                     |
| Central Florida | Every 3 Days              | Every 2 Days              | Every 4 Days                 |
| Orange County   | Every 6 Days              | Every 7 Days              | Every 11 Days                |

Data Source: Florida DOH, CHARTS 2007. Calculations based on a 365 day calendar year and 8,765 hours in a year.

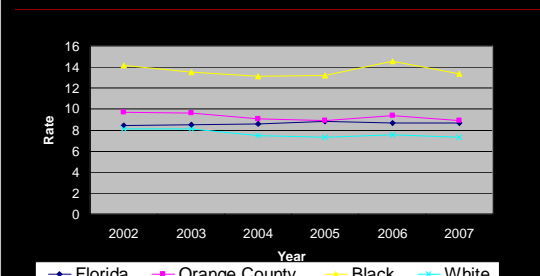
# Infant Mortality Rates 2002-2007



| Year | Florida | Orange County | Black | White |
|------|---------|---------------|-------|-------|
| 2002 | ~7.5    | ~7.5          | ~14.5 | ~5.0  |
| 2003 | ~7.5    | ~7.5          | ~14.5 | ~5.0  |
| 2004 | ~7.5    | ~7.5          | ~14.5 | ~5.0  |
| 2005 | ~7.5    | ~7.5          | ~13.0 | ~5.0  |
| 2006 | ~7.5    | ~7.5          | ~14.5 | ~5.0  |
| 2007 | ~7.5    | ~7.5          | ~14.5 | ~5.0  |

Data Source: Florida DOH, Community Health Resource Tools Set (CHARTS), 2007

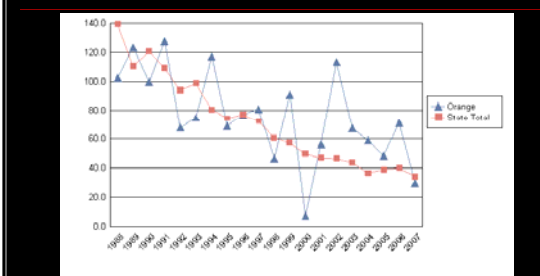
# Low Birth Weight Percents 2002-2007



| Year | Florida | Orange County | Black | White |
|------|---------|---------------|-------|-------|
| 2002 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |
| 2003 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |
| 2004 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |
| 2005 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |
| 2006 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |
| 2007 | ~8.5    | ~9.5          | ~14.0 | ~8.0  |

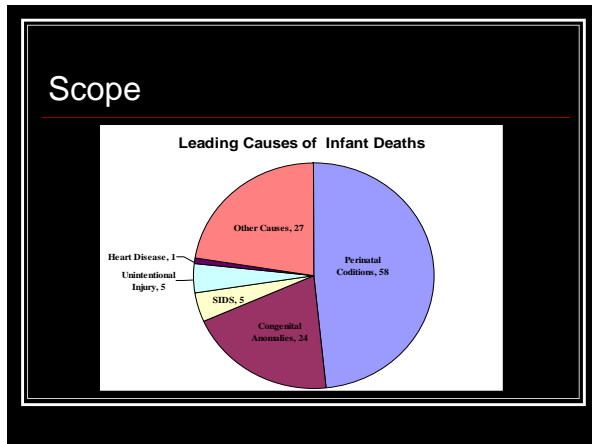
Data Source: Florida DOH, Community Health Resource Tools Set (CHARTS)

# Sudden Infant Death Syndrome Rates 1988-2007



| Year | Orange | State Total |
|------|--------|-------------|
| 1988 | ~100   | ~140        |
| 1989 | ~120   | ~120        |
| 1990 | ~100   | ~110        |
| 1991 | ~120   | ~100        |
| 1992 | ~70    | ~90         |
| 1993 | ~110   | ~80         |
| 1994 | ~70    | ~75         |
| 1995 | ~70    | ~70         |
| 1996 | ~45    | ~65         |
| 1997 | ~85    | ~60         |
| 1998 | ~10    | ~55         |
| 1999 | ~50    | ~50         |
| 2000 | ~50    | ~45         |
| 2001 | ~50    | ~45         |
| 2002 | ~110   | ~45         |
| 2003 | ~60    | ~40         |
| 2004 | ~45    | ~35         |
| 2005 | ~70    | ~35         |
| 2006 | ~45    | ~35         |
| 2007 | ~30    | ~35         |

Data Source: Florida DOH, Community Health Resource Tools Set (CHARTS)



### I.M. Rates for U.S. and FL Residents 2003-2005

| Race/Ethnicity                   | U.S.A. | FLA  | Target 2010 |
|----------------------------------|--------|------|-------------|
| Total                            | 6.8    | 7.2  | 4.5         |
| Black or African American        | 13.3   | 12.9 | 4.5         |
| Hispanic or Latino               | 5.7    | 5.2  | 4.5         |
| Asian or Pacific Islander        | 4.8    | 5.9  | 4.5         |
| American Indian or Alaska Native | 8.4    | 5.3  | 4.5         |
| White                            | 5.7    | 5.8  | 4.5         |

Source: March of Dimes - PeriStats




- ### Social Impact
- 
- Without Complications = \$3,400
    - 2 days in hospital for uncomplicated birth
  - NICU
    - Average hospital cost with complications = \$50,000
      - 13.6 days for any prematurity diagnosis
      - 24.2 days for primary prematurity diagnosis
  - Additional provider costs involved
- Source: March of Dimes

- ### Social Impact
- 
- Expected Long-term Ramifications:
    - Ongoing Medical Costs
    - Learning Disabilities
    - Addiction
    - Increased Risk of School Dropout
    - Justice System Involvement
    - Social/emotional costs to family

- ### Social Impact
- 
- 50% of all births are unplanned\*
  - US – 41% of births are Medicaid\*\*
  - FL – 49.6% of births are Medicaid\*\*
  - Orange County – 50% are Medicaid\*\*
- Taxpayers pay when babies are not healthy
- Source: \*Gutmacher Institute \*\*Kaiser Family Foundation – statehealthfacts.org


## Social Impact



- Compared with adults who had been born at 37 weeks gestation or later, those who had a premature birth had a much higher risk of a range of medical and social problems. For example:
  - The rate of cerebral palsy was 0.1% for those born at term vs. 9.1% among the earliest preemies born at 23 to 27 weeks.
  - The prevalence of mental retardation was 0.4% among full-term infants compared with 4.4% among the most premature infants.
  - Less than 2% of full-term infants were receiving a disability pension as adults vs. nearly 11% of the most premature infants.


Source: Moster, D. *New England Journal of Medicine*, July 17, 2008; vol 359: pp 262-273.

## Solution




- Form a Task Force
  - Central Florida Partnership for Health Disparities
  - Community Advocate: Gail Garvin
  - Community Advocate: Toni Moody, M.D.
  - Health Council of East Central Florida
  - March of Dimes
  - Orange County Health Department
  - Orange County Healthy Start Coalition
  - The Birth Place
  - The Center for Multicultural Wellness and Prevention

## Solution




- Promote access to prenatal and infant care
  - Healthy Start Program
  - Childhood Immunizations
- Promote healthy choices
  - Take folic acid
  - "Back to Sleep" Campaign
  - Healthy Nutrition
  - Eliminate Stress...Don't worry, be happy




Source: U.S. Dept. of Health and Human Services.  
Note: All HHS press releases, fact sheets and other press materials are available at [www.hhs.gov/news](http://www.hhs.gov/news).

## Solution



- Encourage all women of childbearing age to engage in healthy behaviors
- Encourage pregnant women to seek early and ongoing prenatal care
- Encourage parents/caregivers to *always* place infants on their back to sleep
- Educate friends, families and community members on factors that effect infant mortality

## Questions???



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