



Source: Bureau of Public Health Informatics, KDHE
 Prepared by: Bureau of Family Health, KDHE
 IM = infant mortality
 LB = live births
 IMR = infant mortality rate
 IM linked = linked birth/infant death (death cohort: linkages of infant deaths with the corresponding live births)
 *33 of the births occurred in 2004.
 **Number too small to calculate percent.

| | 2005-2008 |
|-----------------------------|-----------|
| IM | 1226 |
| IM linked | 1166 |
| Matched (%) | 95.1 |
| LB | 164363 |
| IMR (per 1,000 live births) | 7.05 |

| Mother's age-group | 2005-2008 | | |
|--------------------|-----------|--------|-------|
| | IM | LB | Rate |
| <20 | 191 | 16965 | 11.26 |
| 20-34 | 864 | 129389 | 6.68 |
| 35 & over | 110 | 17979 | 6.12 |
| Unknown | 1 | 30 | |
| Total | 1166 | 164363 | 7.09 |

| Mother's race/ethnicity | 2005-2008 | | |
|-------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| White, non-Hispanic | 741 | 118328 | 6.26 |
| Black, non-Hispanic | 167 | 11263 | 14.83 |
| Other, non-Hispanic | 53 | 8544 | 6.20 |
| Hispanic | 205 | 26098 | 7.86 |
| Unknown | 0 | 130 | |
| Total | 1166 | 164363 | 7.09 |

| Metropolitan** | 2005-2008 | | |
|------------------|-----------|--------|------|
| | IM | LB | Rate |
| Metropolitan | 706 | 100415 | 7.03 |
| Non-Metropolitan | 460 | 63948 | 7.19 |
| Total | 1166 | 164363 | 7.09 |

**Butler, Douglas, Harvey, Johnson, Leavenworth, Miami, Sedgwick, Shawnee, and Wyandotte

| Mother's Foreign-born status | 2005-2008 | | |
|------------------------------|-----------|--------|------|
| | IM | LB | Rate |
| US-born | 1028 | 140457 | 7.32 |
| Foreign-born | 136 | 23820 | 5.71 |
| Unknown | 2 | 86 | |
| Total | 1166 | 164363 | 7.09 |

| Mother's education | 2005-2008 | | |
|---------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| 8th grad or less | 39 | 6778 | 5.75 |
| Some HS, no diploma | 263 | 23601 | 11.14 |
| HS grad or GED | 338 | 39748 | 8.50 |
| Some college, no degree | 198 | 36519 | 5.42 |
| Associate degree | 79 | 11175 | 7.07 |
| Bachelor's degree | 126 | 32085 | 3.93 |
| Master's degree | 59 | 10133 | 5.82 |
| Doctorate or professional | 8 | 2358 | ** |
| Unknown | 56 | 1966 | |
| Total | 1166 | 164363 | 7.09 |

| Mother's education | 2005-2008 | | |
|--------------------|-----------|--------|------|
| | IM | LB | Rate |
| < High school | 302 | 30379 | 9.94 |
| ≥ High school | 808 | 132018 | 6.12 |
| Unknown | 56 | 1966 | |
| Total | 1166 | 164363 | 7.09 |

| Mother's marital status | 2005-2008 | | |
|-------------------------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 557 | 105343 | 5.3 |
| No | 590 | 58874 | 10.0 |
| Unknown | 19 | 146 | |
| Total | 1166 | 164363 | 7.1 |

| WIC status | 2005-2008 | | |
|------------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 400 | 56535 | 7.08 |
| No | 650 | 99981 | 6.50 |
| Unknown | 116 | 7847 | |
| Total | 1166 | 164363 | 7.09 |

| Principal source of payment for the delivery | 2005-2008 | | |
|--|-----------|--------|------|
| | IM | LB | Rate |
| Medicaid | 390 | 42206 | 9.24 |
| Private/employer insurance | 451 | 83890 | 5.38 |
| Self-pay | 86 | 11729 | 7.33 |
| Indian Health Service | 2 | 178 | ** |
| CHAMPUS/TRICARE | 35 | 6456 | 5.42 |
| Other government | 75 | 8295 | 9.04 |
| Other | 15 | 3142 | 4.77 |
| Unknown | 112 | 8467 | |
| Total | 1166 | 164363 | 7.09 |

| Prenatal care began | 2005-2008 | | |
|---------------------|-----------|--------|-------|
| | IM | LB | Rate |
| First trimester | 689 | 113739 | 6.06 |
| Second trimester | 225 | 32000 | 7.03 |
| Third trimester | 40 | 6065 | 6.60 |
| None | 64 | 1732 | 36.95 |
| Unknown | 148 | 10827 | 13.67 |
| Total | 1166 | 164363 | 7.09 |

| APNCU | 2005-2008 | | |
|---------------|-----------|--------|-------|
| | IM | LB | Rate |
| Inadequate | 196 | 22859 | 8.57 |
| Intermediate | 40 | 10279 | 3.89 |
| Adequate | 214 | 69693 | 3.07 |
| Adequate plus | 520 | 48368 | 10.75 |
| Unknown | 196 | 13164 | 14.89 |
| Total | 1166 | 164363 | 7.09 |

| Prematurity | 2005-2008 | | |
|---|-----------|--------|--------|
| | IM | LB | Rate |
| Under 32 weeks (very premature) | 543 | 2533 | 214.37 |
| 32-36 weeks (moderately and late premature) | 176 | 12816 | 13.73 |
| <37 weeks (Preterm) | 719 | 15349 | 46.84 |
| 37-41 weeks (Normal) | 432 | 147356 | 2.93 |
| Over 42 weeks (Over due) | 2 | 1013 | ** |
| Unknown | 13 | 645 | |
| Total | 1166 | 164363 | 7.09 |

| Birthweight group | 2005-2008 | | |
|--|-----------|--------|--------|
| | IM | LB | Rate |
| Under 1500 grams (VLBW: very low birth weight) | 543 | 2210 | 245.70 |
| 1500-2499 grams | 179 | 9580 | 18.68 |
| <2500 grams (LBW: low birth weight) | 722 | 11790 | 61.24 |
| 2500 grams and over (Normal) | 438 | 152547 | 2.87 |
| Unknown | 6 | 26 | |
| Total | 1166 | 164363 | 7.09 |

| Plurality | 2005-2008 | | |
|-----------|-----------|--------|-------|
| | IM | LB | Rate |
| Single | 1001 | 159245 | 6.29 |
| Multiple | 164 | 5074 | 32.32 |
| Unknown | 1 | 44 | |
| Total | 1166 | 164363 | 7.09 |

| Pregnancy diabetes | 2005-2008 | | |
|--------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 14 | 1164 | 12.03 |
| No | 1118 | 163107 | 6.85 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Gestational diabetes | 2005-2008 | | |
|----------------------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 24 | 5976 | 4.02 |
| No | 1108 | 158295 | 7.00 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Pregnancy hypertension | 2005-2008 | | |
|------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 19 | 1643 | 11.56 |
| No | 1113 | 162628 | 6.84 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Gestational hypertension | 2005-2008 | | |
|--------------------------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 51 | 6125 | 8.33 |
| No | 1081 | 158146 | 6.84 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Eclampsia | 2005-2008 | | |
|-----------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 5 | 366 | ** |
| No | 1127 | 163905 | 6.88 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Previous preterm birth | 2005-2008 | | |
|------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 96 | 4675 | 20.53 |
| No | 1036 | 159596 | 6.49 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Other previous poor outcome | 2005-2008 | | |
|-----------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 49 | 2674 | 18.32 |
| No | 1083 | 161597 | 6.70 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Vaginal bleeding prior to labor | 2005-2008 | | |
|---------------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 65 | 2152 | 30.20 |
| No | 1067 | 162119 | 6.58 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Previous cesarean | 2005-2008 | | |
|-------------------|-----------|--------|------|
| | IM | LB | Rate |
| Yes | 114 | 19347 | 5.89 |
| No | 1018 | 144924 | 7.02 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Alcohol use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 13 | 457 | 28.45 |
| No | 1119 | 163814 | 6.83 |
| Unknown | 34 | 92 | |
| Total | 1166 | 164363 | 7.09 |

| Tobacco use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|--------|-------|
| | IM | LB | Rate |
| Yes | 282 | 26689 | 10.57 |
| No | 808 | 131071 | 6.16 |
| Unknown | 76 | 6603 | |
| Total | 1166 | 164363 | 7.09 |

Source: Bureau of Public Health Informatics, KDHE
 Prepared by: Bureau of Family Health, KDHE
 NM = neonatal mortality
 LB = live births
 NM linked = linked birth/infant death (death cohort: linkages of infant deaths with the corresponding live births)

| | 2005 | 2006 | 2007 | 2008 | Total |
|-------------|-------|-------|-------|-------|-----------------------------|
| NM | 196 | 176 | 211 | 193 | 776 |
| NM linked | 182 | 163 | 200 | 189 | 734 |
| Matched (%) | 92.9 | 92.6 | 94.8 | 97.9 | 94.6 |
| LB | 39701 | 40896 | 41951 | 41815 | 164363 |
| NMR | 4.58 | 3.99 | 4.77 | 4.52 | 4.47 (per 1000 live births) |

| | 23 weeks | | 24 weeks | | 25 weeks | | 26 weeks | | 27 weeks | | 28 weeks | | 29 weeks | | 30 weeks | | 31 weeks | | 32 weeks | | 33 weeks | | |
|-----------|----------|------|----------|------|----------|------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|-----|----------|-----|---|
| | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | |
| 2005-2008 | 58 | 106 | 48 | 147 | 34 | 169 | 26 | 178 | 9 | 185 | 17 | 276 | 14 | 295 | 18 | 378 | 11 | 492 | 24 | 768 | 15 | 975 | |
| Total | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 |

| | 34 weeks | | 35 weeks | | 36 weeks | | 37 weeks | | 38 weeks | | 39 weeks | | 40 weeks | | 41 weeks | | 42 weeks | | 43 weeks | | 44 weeks | | 45 weeks | |
|-----------|----------|------|----------|------|----------|------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|----|----------|----|----------|----|
| | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB |
| 2005-2008 | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 | 1 |
| Total | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 | 1 |

| 2005-2008 | 23 weeks | | 24 weeks | | 25 weeks | | 26 weeks | | 27 weeks | | 28 weeks | | 29 weeks | | 30 weeks | | 31 weeks | | 32 weeks | | 33 weeks | | |
|-------------------------|----------|------|----------|------|----------|------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|-----|----------|-----|----|
| | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | |
| Mother's race/ethnicity | 34 | 63 | 28 | 95 | 26 | 108 | 17 | 107 | 3 | 131 | 11 | 205 | 11 | 203 | 14 | 279 | 10 | 341 | 16 | 578 | 12 | 697 | |
| White, non-Hispanic | 8 | 14 | 9 | 23 | 5 | 35 | 3 | 36 | 4 | 20 | 1 | 30 | 1 | 37 | 2 | 37 | 1 | 66 | 2 | 82 | 1 | 95 | |
| Black, non-Hispanic | 3 | 6 | 3 | 8 | 1 | 5 | 1 | 9 | 8 | 2 | 12 | 2 | 17 | 0 | 21 | 0 | 21 | 0 | 21 | 1 | 20 | 1 | 61 |
| Other, non-Hispanic | 13 | 23 | 8 | 21 | 2 | 21 | 5 | 26 | 2 | 24 | 3 | 28 | 0 | 38 | 2 | 39 | 0 | 63 | 5 | 88 | 1 | 122 | |
| Hispanic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | |
| Unknown | 58 | 106 | 48 | 147 | 34 | 169 | 26 | 178 | 9 | 185 | 17 | 276 | 14 | 295 | 18 | 378 | 11 | 492 | 24 | 768 | 15 | 975 | |
| Total | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 |

| 2005-2008 | 34 weeks | | 35 weeks | | 36 weeks | | 37 weeks | | 38 weeks | | 39 weeks | | 40 weeks | | 41 weeks | | 42 weeks | | 43 weeks | | 44 weeks | | 45 weeks | |
|-------------------------|----------|------|----------|------|----------|------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|----|----------|----|----------|----|
| | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB | NM | LB |
| Mother's race/ethnicity | 18 | 1256 | 15 | 2165 | 23 | 4726 | 26 | 10237 | 31 | 23286 | 22 | 36973 | 14 | 28241 | 2 | 7472 | 1 | 622 | 0 | 38 | 0 | 9 | 0 | |
| White, non-Hispanic | 2 | 162 | 2 | 263 | 2 | 472 | 4 | 937 | 1 | 2030 | 2 | 3240 | 0 | 2708 | 2 | 800 | 0 | 68 | 0 | 4 | 0 | 1 | 0 | |
| Black, non-Hispanic | 1 | 98 | 0 | 154 | 1 | 334 | 0 | 775 | 2 | 1644 | 2 | 2689 | 1 | 2055 | 1 | 524 | 0 | 41 | 0 | 2 | 0 | 0 | 0 | |
| Other, non-Hispanic | 2 | 208 | 3 | 448 | 4 | 777 | 3 | 1948 | 5 | 4880 | 6 | 7698 | 4 | 7053 | 1 | 2063 | 0 | 213 | 0 | 11 | 0 | 1 | 0 | |
| Hispanic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 41 | 0 | 26 | 0 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | | |
| Unknown | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 | |
| Total | 23 | 1724 | 20 | 3032 | 30 | 6317 | 33 | 13900 | 39 | 31862 | 32 | 50641 | 19 | 40083 | 6 | 10870 | 1 | 946 | 0 | 55 | 0 | 11 | 0 | |

Kansas Resident Births, 2005-2008

Source: Bureau of Public Health Informatics, KDHE
 Prepared by: Bureau of Family Health, KDHE
 *Unknown/not stated were excluded from the denominator.
 **Number too small to calculate percent.

| Birthweight group | 2005-2008 | |
|--|-----------|-------|
| | Number | % |
| Under 1500 grams (VLBW: very low birth weight) | 2210 | 1.3 |
| 1500-2499 grams | 9580 | 5.8 |
| <2500 grams (LBW: low birth weight) | 11790 | 7.2 |
| ≥2500 grams | 152547 | 92.8 |
| Total | 164337 | 100.0 |

| Mother's age-group | 2005-2008 | | |
|--------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| <20 | 1539 | 16963 | 9.1 |
| 20-34 | 8866 | 129369 | 6.9 |
| 35 & over | 1380 | 17977 | 7.7 |
| Unknown | 5 | 28 | |
| Total | 11790 | 164337 | 7.2 |

| Mother's race/ethnicity | 2005-2008 | | |
|-------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| White, non-Hispanic | 8094 | 118309 | 6.8 |
| Black, non-Hispanic | 1489 | 11261 | 13.2 |
| Other, non-Hispanic | 676 | 8543 | 7.9 |
| Hispanic | 1518 | 26096 | 5.8 |
| Unknown | 13 | 128 | |
| Total | 11790 | 164337 | 7.2 |

| Metropolitan** | 2005-2008 | | |
|------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Metropolitan | 7309 | 100403 | 7.3 |
| Non-Metropolitan | 4481 | 63934 | 7.0 |
| Total | 11790 | 164337 | 7.2 |

**Butler, Douglas, Harvey, Johnson, Leavenworth, Miami, Sedgwick,

| Mother's Foreign-born status | 2005-2008 | | |
|------------------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| US-born | 10371 | 140435 | 7.4 |
| Foreign-born | 1400 | 23817 | 5.9 |
| Unknown | 19 | 85 | |
| Total | 11790 | 164337 | 7.2 |

| Mother's education | 2005-2008 | | |
|---------------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| 8th grad or less | 383 | 6777 | 5.7 |
| Some HS, no diploma | 2144 | 23600 | 9.1 |
| HS grad or GED | 3323 | 39743 | 8.4 |
| Some college, no degree | 2461 | 36514 | 6.7 |
| Associate degree | 715 | 11174 | 6.4 |
| Bachelor's degree | 1758 | 32081 | 5.5 |
| Master's degree | 671 | 10131 | 6.6 |
| Doctorate or professional | 135 | 2358 | 5.7 |
| Unknown | 200 | 1959 | |
| Total | 11790 | 164337 | 7.2 |

| Mother's education | 2005-2008 | | |
|--------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| < High school | 2527 | 30377 | 8.3 |
| ≥ High school | 9063 | 132001 | 6.9 |
| Unknown | 200 | 1959 | |
| Total | 11790 | 164337 | 7.2 |

| Mother's marital status | 2005-2008 | | |
|-------------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Yes | 6494 | 105325 | 6.2 |
| No | 5278 | 58869 | 9.0 |
| Unknown | 18 | 143 | |
| Total | 11790 | 164337 | 7.2 |

| Principal source of payment for the delivery | 2005-2008 | | |
|--|-----------|-------------|------|
| | Numerator | Denominator | % |
| Medicaid | 3676 | 42205 | 8.7 |
| Private/employer insurance | 5029 | 83880 | 6.0 |
| Self-pay | 788 | 11726 | 6.7 |
| Indian Health Service | 10 | 178 | 5.6 |
| CHAMPUS/TRICARE | 405 | 6455 | 6.3 |
| Other government | 834 | 8295 | 10.1 |
| Other | 172 | 3141 | 5.5 |
| Unknown | 876 | 8457 | |
| Total | 11790 | 164337 | 7.2 |

| WIC status | 2005-2008 | | |
|------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Yes | 4483 | 56529 | 7.9 |
| No | 6638 | 99967 | 6.6 |
| Unknown | 669 | 7841 | |
| Total | 11790 | 164337 | 7.2 |

| Prenatal care began | 2005-2008 | | |
|---------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| First trimester | 7626 | 113730 | 6.7 |
| Second trimester | 2239 | 31994 | 7.0 |
| Third trimester | 399 | 6064 | 6.6 |
| None | 334 | 1727 | 19.3 |
| Unknown | 1192 | 10822 | |
| Total | 11790 | 164337 | 7.2 |

| APNCU | 2005-2008 | | |
|---------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Inadequate | 1753 | 22853 | 7.7 |
| Intermediate | 368 | 10277 | 3.6 |
| Adequate | 2149 | 69689 | 3.1 |
| Adequate plus | 5959 | 48359 | 12.3 |
| Unknown | 1561 | 13159 | |
| Total | 11790 | 164337 | 7.2 |

| Prematurity | 2005-2008 | | |
|---|-----------|-------------|------|
| | Numerator | Denominator | % |
| Under 32 weeks (very premature) | 2370 | 2528 | 93.8 |
| 32-36 weeks (moderately and late premature) | 5931 | 12812 | 46.3 |
| <37 weeks (Preterm) | 8301 | 15340 | 54.1 |
| 37-41 weeks (Normal) | 3421 | 147343 | 2.3 |
| Over 42 weeks (Over due) | 8 | 1013 | ** |
| Unknown | 60 | 641 | |
| Total | 11790 | 164337 | 7.2 |

| Plurality | 2005-2008 | | |
|-----------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Single | 8934 | 159222 | 5.6 |
| Multiple | 2853 | 5073 | 56.2 |
| Unknown | 3 | 42 | |
| Total | 11790 | 164337 | 7.2 |

| Alcohol use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 77 | 457 | 16.8 |
| No | 11699 | 163790 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Prepregnancy diabetes | 2005-2008 | | |
|-----------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 153 | 1162 | 13.2 |
| No | 11623 | 163085 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Tobacco use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 2995 | 26689 | 11.2 |
| No | 8303 | 131071 | 6.3 |
| Unknown | 492 | 6577 | 7.5 |
| Total | 11790 | 164337 | 7.2 |

| Gestational diabetes | 2005-2008 | | |
|----------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Yes | 484 | 5975 | 8.1 |
| No | 11292 | 158272 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Prepregnancy hypertension | 2005-2008 | | |
|---------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 286 | 1643 | 17.4 |
| No | 11490 | 162604 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Gestational hypertension | 2005-2008 | | |
|--------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 1253 | 6125 | 20.5 |
| No | 10523 | 158122 | 6.7 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Eclampsia | 2005-2008 | | |
|-----------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 138 | 366 | 37.7 |
| No | 11638 | 163881 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Previous preterm birth | 2005-2008 | | |
|------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 979 | 4673 | 21.0 |
| No | 10797 | 159574 | 6.8 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Other previous poor outcome | 2005-2008 | | |
|-----------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 327 | 2673 | 12.2 |
| No | 11449 | 161574 | 7.1 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Vaginal bleeding prior to labor | 2005-2008 | | |
|---------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 422 | 2152 | 19.6 |
| No | 11354 | 162095 | 7.0 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |

| Previous cesarean | 2005-2008 | | |
|-------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Yes | 1330 | 19345 | 6.9 |
| No | 10446 | 144902 | 7.2 |
| Unknown | 14 | 90 | |
| Total | 11790 | 164337 | 7.2 |



Inf18: Percent of live births at less than 37 weeks (preterm)*

Kansas Resident Births, 2005-2008

Source: Bureau of Public Health Informatics, KDHE
 Prepared by: Bureau of Family Health, KDHE
 *Unknown/not stated were excluded from the denominator.

| Prematurity | 2005-2008 | |
|---|-----------|-------|
| | Number | % |
| Under 32 weeks (very premature) | 2533 | 1.5 |
| 32-36 weeks (moderately and late premature) | 12816 | 7.8 |
| <37 weeks (Preterm) | 15349 | 9.3 |
| 37-41 weeks (Normal) | 147356 | 89.7 |
| Over 42 weeks (Over due) | 1013 | 0.6 |
| Unknown | 645 | 0.4 |
| Total | 164363 | 100.0 |

| Mother's age-group | 2005-2008 | | |
|--------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| <20 | 1686 | 16878 | 10.0 |
| 20-34 | 11780 | 128896 | 9.1 |
| 35 & over | 1875 | 17915 | 10.5 |
| Unknown | 8 | 29 | |
| Total | 15349 | 163718 | 9.4 |

| Mother's race/ethnicity | 2005-2008 | | |
|-------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| White, non-Hispanic | 11135 | 118013 | 9.4 |
| Black, non-Hispanic | 1433 | 11221 | 12.8 |
| Other, non-Hispanic | 789 | 8519 | 9.3 |
| Hispanic | 1975 | 25843 | 7.6 |
| Unknown | 17 | 122 | |
| Total | 15349 | 163718 | 9.4 |

| Metropolitan** | 2005-2008 | | |
|------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Metropolitan | 9166 | 100195 | 9.1 |
| Non-Metropolitan | 6183 | 63523 | 9.7 |
| Total | 15349 | 163718 | 9.4 |

**Butler, Douglas, Harvey, Johnson, Leavenworth, Miami, Sedgwick, Shawnee, and Wyandotte

| Mother's Foreign-born status | 2005-2008 | | |
|------------------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| US-born | 13618 | 140022 | 9.7 |
| Foreign-born | 1715 | 23611 | 7.3 |
| Unknown | 16 | 85 | |
| Total | 15349 | 163718 | 9.4 |

| Mother's education | 2005-2008 | | |
|---------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| 8th grad or less | 534 | 6685 | 8.0 |
| Some HS, no diploma | 2378 | 23447 | 10.1 |
| HS grad or GED | 4000 | 39591 | 10.1 |
| Some college, no degree | 3384 | 36391 | 9.3 |
| Associate degree | 1042 | 11157 | 9.3 |
| Bachelor's degree | 2606 | 32027 | 8.1 |
| Master's degree | 972 | 10119 | 9.6 |
| Doctorate or professional | 210 | 2357 | 8.9 |
| Unknown | 223 | 1944 | |
| Total | 15349 | 163718 | 9.4 |

| Mother's education | 2005-2008 | | |
|--------------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| < High school | 2912 | 30132 | 9.7 |
| ≥ High school | 12214 | 131642 | 9.3 |
| Unknown | 223 | 1944 | |
| Total | 15349 | 163718 | 9.4 |

| Mother's marital status | 2005-2008 | | |
|-------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 9334 | 105042 | 8.9 |
| No | 5995 | 58539 | 10.2 |
| Unknown | 20 | 137 | |
| Total | 15349 | 163718 | 9.4 |

| Principal source of payment for the delivery | 2005-2008 | | |
|--|-----------|-------------|------|
| | Numerator | Denominator | % |
| Medicaid | 4324 | 42031 | 10.3 |
| Private/employer insurance | 7280 | 83702 | 8.7 |
| Self-pay | 939 | 11614 | 8.1 |
| Indian Health Service | 16 | 178 | 9.0 |
| CHAMPUS/TRICARE | 540 | 6449 | 8.4 |
| Other government | 914 | 8258 | 11.1 |
| Other | 259 | 3135 | 8.3 |
| Unknown | 1077 | 8351 | |
| Total | 15349 | 163718 | 9.4 |

| WIC status | 2005-2008 | | |
|------------|-----------|-------------|-----|
| | Numerator | Denominator | % |
| Yes | 5415 | 56269 | 9.6 |
| No | 9147 | 99718 | 9.2 |
| Unknown | 787 | 7731 | |
| Total | 15349 | 163718 | 9.4 |

| Prenatal care began | 2005-2008 | | |
|---------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| First trimester | 10378 | 113581 | 9.1 |
| Second trimester | 2623 | 31935 | 8.2 |
| Third trimester | 462 | 6045 | 7.6 |
| None | 402 | 1619 | 24.8 |
| Unknown | 1484 | 10538 | |
| Total | 15349 | 163718 | 9.4 |

| APNCU | 2005-2008 | | |
|---------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Inadequate | 2041 | 22696 | 9.0 |
| Intermediate | 385 | 10261 | 3.8 |
| Adequate | 2061 | 69640 | 3.0 |
| Adequate plus | 8939 | 48293 | 18.5 |
| Unknown | 1923 | 12828 | |
| Total | 15349 | 163718 | 9.4 |

| Birthweight group | 2005-2008 | | |
|--|-----------|-------------|------|
| | Numerator | Denominator | % |
| Under 1500 grams (VLBW: very low birth weight) | 2139 | 2186 | 97.8 |
| 1500-2499 grams | 6162 | 9544 | 64.6 |
| <2500 grams (LBW: low birth weight) | 8301 | 11730 | 70.8 |
| 2500 grams and over (Normal) | 7039 | 151966 | 4.6 |
| Unknown | 9 | 22 | |
| Total | 15349 | 163718 | 9.4 |

| Plurality | 2005-2008 | | |
|-----------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Single | 12268 | 158625 | 7.7 |
| Multiple | 3076 | 5055 | 60.9 |
| Unknown | 5 | 38 | |
| Total | 15349 | 163718 | 9.4 |

| Prepregnancy diabetes | 2005-2008 | | |
|-----------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 307 | 1160 | 26.5 |
| No | 15025 | 162471 | 9.2 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Gestational diabetes | 2005-2008 | | |
|----------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 786 | 5952 | 13.2 |
| No | 14546 | 157679 | 9.2 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Prepregnancy hypertension | 2005-2008 | | |
|---------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 371 | 1640 | 22.6 |
| No | 14961 | 161991 | 9.2 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Gestational hypertention | 2005-2008 | | |
|--------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 1532 | 6097 | 25.1 |
| No | 13800 | 157534 | 8.8 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Eclampsia | 2005-2008 | | |
|-----------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 155 | 365 | 42.5 |
| No | 15177 | 163266 | 9.3 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Previous preterm birth | 2005-2008 | | |
|------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 1441 | 4645 | 31.0 |
| No | 13891 | 158986 | 8.7 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Other previous poor outcome | 2005-2008 | | |
|-----------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 422 | 2666 | 15.8 |
| No | 14910 | 160965 | 9.3 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Vaginal bleeding prior to labor | 2005-2008 | | |
|---------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 570 | 2144 | 26.6 |
| No | 14762 | 161487 | 9.1 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Previous cesarean | 2005-2008 | | |
|-------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 1979 | 19261 | 10.3 |
| No | 13353 | 144370 | 9.2 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Alcohol use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 80 | 451 | 17.7 |
| No | 15252 | 163180 | 9.3 |
| Unknown | 17 | 87 | |
| Total | 15349 | 163718 | 9.4 |

| Tobacco use during pregnancy | 2005-2008 | | |
|------------------------------|-----------|-------------|------|
| | Numerator | Denominator | % |
| Yes | 3106 | 26577 | 11.7 |
| No | 11545 | 130598 | 8.8 |
| Unknown | 698 | 6543 | 10.7 |
| Total | 15349 | 163718 | 9.4 |