1967 - 1968

MONTANA

Perinatal Deaths

FOURTEENTH - FIFTEENTH YEARS OF THE STUDY



MATERNAL AND CHILD WELFARE COMMITTEE

MONTANA MEDICAL ASSOCIATION

WITH

MONTANA STATE DEPARTMENT OF HEALTH



HELENA MONTANA

PERTNATAL DEATH STIDY

FORWARD

The following is data collected by the Maternal and Child Welfare Committee of the Montana Medical Association and the State Department of Health.

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John C. Wilson, Director Robert O. Nelson, Statistician Susanne Pitts, Statistician Division of Records & Statistics

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RELATIVE RISK OF NEONATAL DEATH BY AGE OF MOTHER

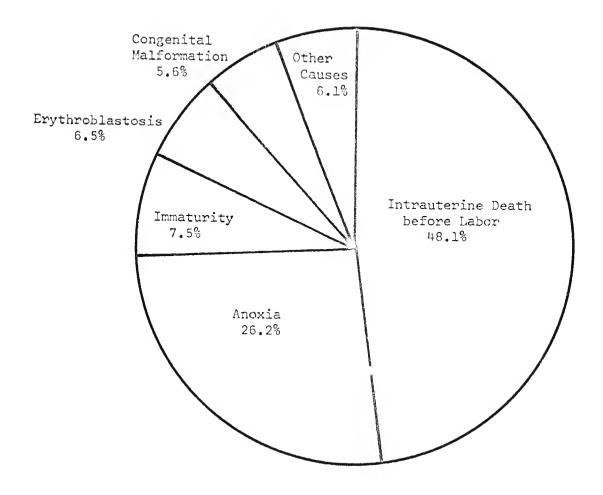
| | | | | Resident Li | ve Births |
|-----------------|--------------------|-------|--------|-------------|-----------|
| Mother's Age | Neonatal Deaths | Rate* | Total | 1967 | 1968 |
| TOTAL, All Ages | 378 | 1.6 | 24,079 | 12,087 | 11,992 |
| Under 15 | 2 | rk | 31 | 18 | 13 |
| 15 - 19 | 89 | 2.3 | 3,886 | 1,960 | 1,926 |
| 20 - 24 | 136 | 1.4 | 9,488 | 4,747 | 4,741 |
| 25 - 29 | 85 | 1.4 | 5,899 | 2,885 | 3,014 |
| 30 - 34 | 31 | 1.1 | 2,848 | 1,467 | 1,381 |
| 35 - 39 | 24 | 1.7 | 1,393 | 710 | 683 |
| 40 - 44 | 9 | 1.8 | 502 | 278 | 224 |
| 45 and over | = | ** | 31 | 21 | 10 |
| Age not stated | 2 | አጽ | 1 | 1 | - |

^{*} Deaths per 100 live births ** Not calculated

| Neon | atal | Deaths |
|------|------|--------|
| | | |

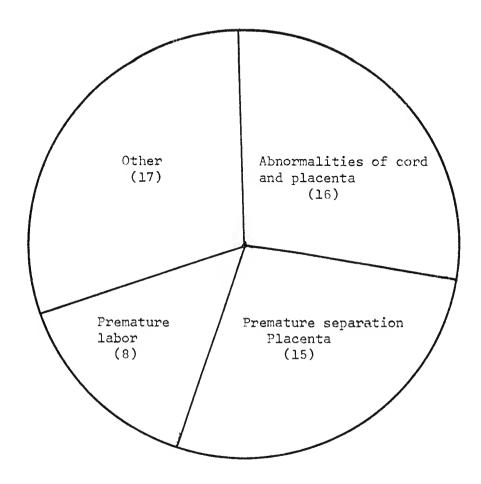
| Year | Number |
|------|--------|
| 1967 | 204 |
| 1968 | 174 |

PRIMARY CAUSE OF FETAL DEATHS BY PERCENTAGE



CAUSE OF FETAL DEATH

| Intrauterine death before labor Anoxia | 103 56 |
|--|-----------|
| Immaturity | 13 |
| <u>-</u> | 7.0 |
| Immaturity (over 28 weeks) | 3 |
| Erythroblastosis | 14 |
| Congenital malformation | 12 |
| Birth injury | 2 |
| Unknown | 2 |
| Infection - virus or other | 1 |
| Fetal bleeding | 1 |
| Dehydration and acidosis | 1 |
| Not stated | 6 |
| | |
| Total | 214 |



OTHER CAUSES OF ANOXIC DEATH

| Abnormal presentation | 3 |
|-----------------------------|----|
| Placenta previa | 3 |
| Prolapsed cord | 3 |
| Hypertensive toxemia | 3 |
| Heart disease | 1 |
| Premature rupture membranes | 2 |
| Trauma | 1 |
| None | 1 |
| | 17 |

FETAL DEATHS BY BIRTH WEIGHT

| Weight | Number |
|----------------------------|--------|
| TOTAL | 214 |
| Under 2 lbs. 3 oz. | 39 |
| 2 lbs. 3 oz 3 lbs. 4 oz. | 22 |
| 3 lbs. 5 oz 4 lbs. 6 oz. | 26 |
| 4 lbs. 7 oz 5 lbs. 8 oz. | 20 |
| 5 lbs. 9 oz 6 lbs. 10 oz. | 24 |
| 6 lbs. 11 oz 7 lbs. 12 oz. | 27 |
| 7 lbs. 13 oz 8 lbs. 14 oz. | 13 |
| 8 lbs. 15 oz 10 lbs. | 3 |
| 10 lbs. 1 oz 11 lbs. 2 oz. | 2 |
| Not stated | 38 |

FETAL DEATH STUDY Length of Gestation

| Wee | ks | Number |
|-----------------------------------|--------|--------------------------|
| TOT | AL | 214 |
| 20 21 22 23 24 | | 9 2 10 - 12 |
| 25 26 27 28 29 | | 3 10 - 9 2 |
| 30 31 32 33 34 | | 15 3 16 6 10 |
| 35 36 37 38 39 | | 4 14 5 12 3 |
| 40 41 42 43 44 Not | stated | 38 5 8 1 5 |

FETAL DEATHS BY FETAL CAUSE BY AGE OF MOTHER

Age of Mother

| Cause | TOTAL | Under 15 | 15- 19 | 20 - 24 | 25 - 29 | 30- 34 | 35 - 39 | 40- 44 | 45 or over | Not Stated |
|---------------------------------|-------|-------------|-----------|-------------------|-------------------|-----------|-------------------|-----------|---------------|---------------|
| TOTAL | 214 | 1 | 36 | 72 | 42 | 34 | 17 | 9 | 2 | 1 |
| Birth injury | 2 | - | - | 1 | - | - | - | 1 | - | - |
| Immaturity (over 28 weeks) | 3 | - | 1 | 2 | - | - | - | - | - | - |
| Anoxia | 56 | - | 11 | 18 | 8 | 9 | 7 | 2 | 1 | - |
| Congenital malformation | 12 | - | 1 | 5 | 3 | - | - | 3 | - | - |
| Infection, virus or other | 1 | - | - | - | - | 1 | - | - | - | - |
| Dehydration & acidosis | 1 | - | - | - | - | - | 1 | - | - | - |
| Fetal bleeding | 1 | - | 1 | - | - | - | - | - | - | - |
| Erythroblastosis | 14 | - | - | 3 | 6 | 3 | 1 | 1 | - | - |
| Immaturity | 13 | - | 3 | ţţ | Ħ | 2 | - | - | - | - |
| Intrauterine death before labor | 103 | 1 | 19 | 35 | 21 | 17 | 8 | 1 | - | 1 |
| Unknown | 2 | - | - | 1 | - | 1 | - | - | - | - |
| Not stated | 6 | - | _ | 3 | _ | 1 | _ | 1 | 1 | - |

RELATIVE RISK OF FETAL DEATH BY AGE OF MOTHER

(Based on returned questionnaires*)

| | Pote 1 | | | Resident Liv | ve Births |
|-----------------|-----------------|--------|--------|--------------|-----------|
| Mother's Age | Fetal Deaths | Ratio* | Total | 1967 | 1968 |
| TOTAL, All ages | 214 | 8.9 | 24,079 | 12,087 | 11,992 |
| Under 15 | 1 | ** | 31 | 18 | 13 |
| 15 - 19 | 36 | 9.3 | 3,886 | 1,960 | 1,926 |
| 20 - 24 | 72 | 7.6 | 9,488 | 4,747 | 4,741 |
| 25 - 29 | 42 | 7.1 | 5,899 | 2,885 | 3,014 |
| 30 - 34 | 34 | 11.9 | 2,848 | 1,467 | 1,381 |
| 35 - 39 | 17 | 12.2 | 1,393 | 710 | 683 |
| 40 - 44 | 9 | 17.9 | 502 | 278 | 224 |
| 45 and over | 2 | ** | 31 | 21 | 10 |
| Age not stated | 1 | ** | 1 | 1 | _ |

^{*}Number of registered fetal deaths on which physicians returned questionnaires to the Division of Child Health Services per 1,000 live births to resident mothers of Montana.

^{**}Number of events too small to produce meaningful ratios.

RELATIVE RISK OF FETAL DEATH BY AGE OF MOTHER

(Based on Fetal Death Certificates)

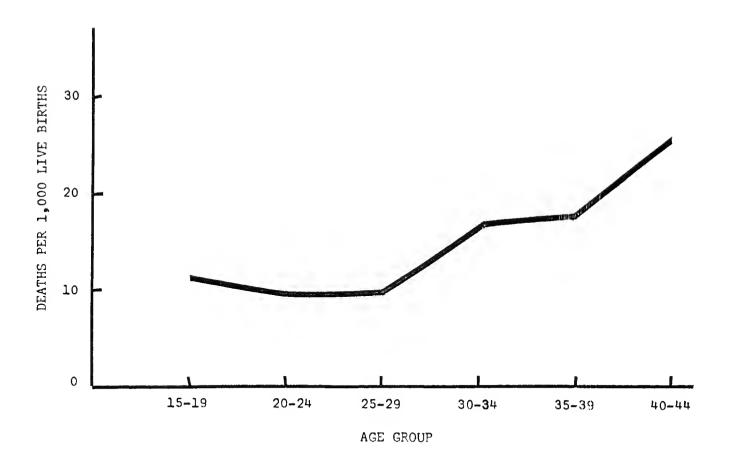
| | Resider | nt Fetal I | eaths | | Resident Live |
|-----------------|---------|------------|-------|----------|-----------------------|
| Mother's Age | TOTAL | 1967 | 1968 | Ratio* | Births 1967 - 1968 |
| TOTAL, All Ages | 287 | 141 | 146 | 11.9 | 24,079 |
| Under 15 | 1 | 0 | 1 | ** | 31 |
| 15 - 19 | 44 | 20 | 24 | 11.3 | 3,886 |
| 20 - 24 | 91 | 40 | 51 | 9.6 | 9,488 |
| 25 - 29 | 58 | 31 | 27 | 9.8 | 5,899 |
| 30 - 34 | 48 | 25 | 23 | 16.9 | 2,848 |
| 35 - 39 | 25 | 11 | 14 | 17.9 | 1,393 |
| 40 - 44 | 13 | 9 | 4 | 25.9 | 502 |
| 45 and over | 2 | 1 | 1 | * | 31 |
| Age not stated | 5 | 4 | 1 | ** | 1 |

^{*}Number of fetal deaths per 1,000 live births
**Number of events too small to produce meaningful ratio.

FETAL DEATH RATIOS BY AGE OF MOTHER

Montana, 1967 - 1968

(By place of residence)

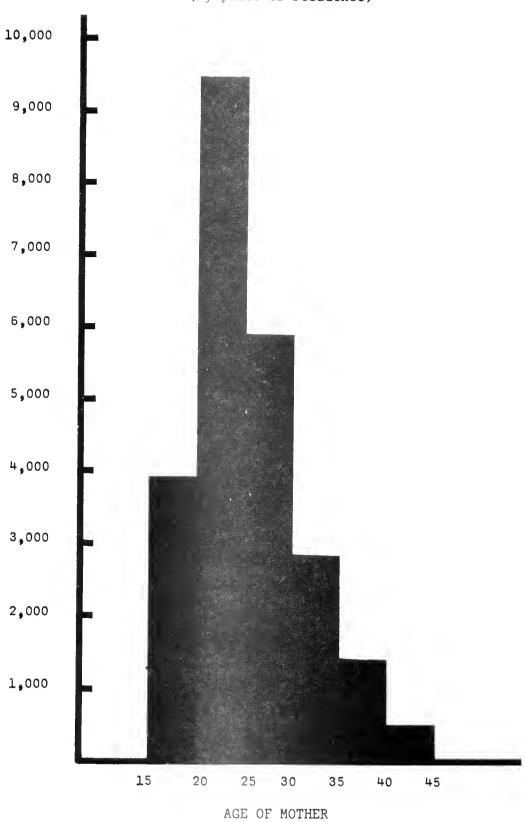


FETAL DEATHS BY MATERNAL CAUSE BY AGE OF MOTHER

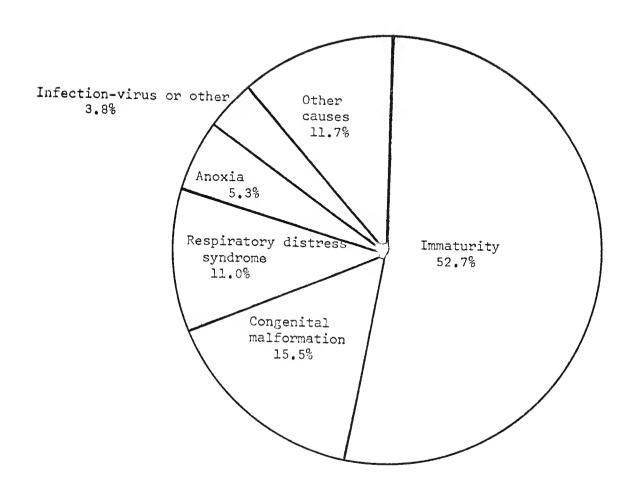
Age of Mother

| First Cause | TOTAL | Under 15 | 15- 19 | 20- 24 | 25 - 29 | 30 - 34 | 35 - 39 | 40- 44 | 45 or over | Not State |
|-------------------------------|-------|-------------|-----------|-----------|-------------------|-------------------|-------------------|-----------|---------------|--------------|
| TOTAL | 214 | 1 | 36 | 72 | 42 | 34 | 17 | 9 | 2 | 1 |
| Premature Labor | 45 | - | 14 | 13 | 5 | 9 | 3 | 1 | - | _ |
| Premature rupture membranes | 11 | - | 1 | 7 | 3 | _ | _ | _ | - | _ |
| Premature separation placenta | 28 | - | 7 | 5 | 5 | 6 | 5 | - | - | _ |
| Placenta previa | 5 | _ | 2 | 1 | _ | _ | 1 | 1 | _ | _ |
| Infection, virus or other | 2 | - | 1 | 1 | - | _ | - | _ | - | _ |
| Malnutrition or obesity | 5 | - | _ | 2 | 1 | - | 2 | _ | _ | _ |
| Threatened abortion | 2 | - | _ | 1 | - | 1 | - | _ | _ | _ |
| Habitual abortion | 2 | - | _ | - | - | - | 1 | 1 | - | - |
| Heart disease | 1 | - | - | - | - | - | - | 1 | - | - |
| Diabetes | 6 | - | - | 2 | 1 | 1 | 1 | - | - | 1 |
| Rh sensitization | 14 | - | - | 3 | 6 | 3 | 1 | 1 | - | - |
| Surgery | 1 | _ | - | - | 1 | - | - | _ | _ | _ |
| Irradiation | 1 | _ | - | - | 1 | - | - | _ | - | _ |
| Uterine anomaly | 1 | - | - | 1 | - | - | - | _ | - | _ |
| Multiple pregnancy | 3 | - | 1 | - | 2 | - | _ | _ | - | _ |
| Abnormal presentation | 6 | 1000 | - | 2 | 3 | - | - | 1 | _ | _ |
| Placenta & cord abnormality | 23 | _ | 2 | 9 | 5 | 6 | 1 | _ | - | - |
| Prolapsed cord | 3 | *** | _ | 1 | _ | - | 1 | _ | 1 | - |
| Hypertensive toxemia | 11 | - | 3 | 4 | - | 3 | _ | _ | 1 | _ |
| Unattended delivery | 2 | - | 1 | _ | 1 | _ | _ | _ | _ | _ |
| Post maturity | I | - | - | 1 | _ | _ | _ | _ | _ | _ |
| Trauma | 1 | - | _ | · . | _ | 1 | _ | _ | _ | _ |
| Maternal neglect or ignorance | 1 | - | - | - | 1 | - | _ | _ | _ | _ |
| Maternal age | 1 | - | - | _ | _ | _ | _ | 1 | - | _ |
| Blood disorder or dyscrasias | 2 | - | _ | - | 1 | 1 | _ | _ | _ | _ |
| None | 2 | • | 1 | 1 | - | _ | - | _ | _ | _ |
| Unknown | 34 | 1 | 3 | 18 | 6 | 3 | 1 | 2 | - | _ |

Montana, 1967-68
(By place of residence)



PRIMARY CAUSE OF NEONATAL DEATH (264 Questionnaires)



CAUSE OF NEONATAL DEATH

| Immaturity Immaturity (28 weeks or less) Immaturity (28 weeks or over) | 86 | 139 |
|--|-------|-----|
| Congenital malformation | | 41 |
| Respiratory distress | | 29 |
| Hyaline membrane | 23 | |
| Postnatal asphyxia or atelectasis | 6 | |
| Anoxia | | 14 |
| Infection - virus or other | | 10 |
| Erythroblastosis | | 5 |
| Unknown | | 5 |
| Birth injury | | 14 |
| Aspiration | | 4 |
| Fetal bleeding | | 1 |
| Allergy | | 1 |
| Neoplasm | | 1 |
| Not stated | | 10 |
| | Total | 264 |

NEONATAL DEATHS BY FETAL CAUSE BY AGE OF MOTHER

Age of Mother

| Cause | TOTAL | Under 15 | 15- 19 | 20- 24 | 25 - 29 | 30 - 34 | 35 - 39 | 40- 44 | 45 or over | Not Stated |
|-----------------------------------|-------|-------------|-----------|-----------|-------------------|-------------------|-------------------|-----------|---------------|---------------|
| TOTAL | 264 | - | 67 | 85 | 62 | 20 | 13 | 7 | - | 10 |
| Birth injury | Ęţ | 920 | 95 | 2 | _ | _ | 2 | ~ | _ | _ |
| Immaturity (over 28 weeks) | 53 | - | 14 | 15 | 11 | 6 | 3 | _ | _ | 4 |
| Anoxia | 14 | *** | 2 | 5 | 1 | 3 | - | 2 | _ | 1 |
| Postnatal asphyxia or atelectasis | 6 | - | - | 2 | 4 | - | _ | - | _ | _ |
| Congenital malformation | 41 | - | 7 | 12 | 13 | 4 | 3 | 2 | _ | _ |
| Infection, virus or other | 10 | - | 1 | 3 | 4 | _ | _ | 1 | _ | 1 |
| Hyaline membrane | 23 | 96 | 14 | 10 | 4 | 3 | 1 | _ | _ | 1 |
| Aspiration | 4 | - | 1 | 3 | - | _ | _ | _ | _ | _ |
| Fetal bleeding | 1 | costs | - | œ | 1 | _ | _ | _ | _ | _ |
| Allergy | 1 | eso. | 1 | | - | - | _ | _ | _ | _ |
| Erythroblastosis | 5 | est. | 1 | um- | 1 | 1 | 1 | _ | _ | 1 |
| Immaturity | 86 | _ | 33 | 29 | 15 | 2 | 3 | 2 | _ | 2 |
| Neoplasm | 1 | - | - | - | 1 | _ | _ | _ | _ | _ |
| Unknown | 5 | akep | 3 | 2 | _ | _ | 988 | _ | _ | _ |
| Not stated | 10 | 80 | _ | 2 | 7 | 1 | _ | _ | _ | _ |

CONGENITAL MALFORMATIONS (First Mentioned)

| | TOTAL | FETAL | NEONATAL |
|--------------------------|-------|-------|----------|
| TOTAL | 42 | 4 | 38 |
| Bone and Joint | 6 | 2 | 14 |
| Digestive | Łį. | - | 4 |
| Genito-urinary | 5 | - | 5 |
| Heart and Blood Vessels | 15 | _ | 15 |
| Nervous System | Łį. | 1 | 3 |
| Respiratory | 2 | 1 | 1 |
| Cleft Palate - Cleft Lip | 5 | - | 5 |
| Genetic | 1 | - | 1 |

FETAL DEATHS FROM ERYTHROBLASTOSIS

Mother's Blood Tested for Rh Factor

| | TOTAL | 14 |
|-----|--------|----|
| Yes | | 10 |
| No | | _ |
| Not | stated | 4 |

NEONATAL DEATHS FROM ERYTHROBLASTOSIS

Blood Transfusion

| Age at Death | Total | Yes | No |
|--------------|-------|-----|----|
| TOTAL | 5 | 3 | 2 |
| Under 1 day | 2 | - | 2 |
| Two days | 2 | 2 | - |
| 4 - 7 days | 1 | 1 | - |

1967 - 1968 BIRTHS WITH ERYTHROBLASTOSIS

| Total | 87 |
|-------|------------|
| 1967 | 7 5 |
| 1968 | 12 |

1967 - 1968 DEATHS WITH ERYTHROBLASTOSIS

| Total | 7 |
|-------|---|
| 1967 | 6 |
| 1968 | 1 |

1967 - 1968 BIRTHS WITH ERYTHROBLASTOSIS

| TOTAL | 87 |
|---|--------------|
| 1967 | 75* |
| 1968 m m m m m m m m m m m m m m m m m m m | 12 |
| LIVE BIRTHS TO MOTHERS WHO WERE RESIDENTS OF MONTAL AND WHO WERE DELIVERED IN MONTANA 1967 - 1968 | NA 23,557 |
| MONTANA RESIDENT FETAL DEATHS 1967 - 1968 | 287 |
| 1967 - 1968 DEATHS WITH ERYTHROBLASTOS | IS |
| TOTAL | 7 |
| 1967 | |
| 1968 கையுகைய் இதை கைக்கையில் அதை | ~~~~] |
| Live Births with Erythroblastosis | 87 |
| Stillbirths with Erythroblastosis | 22 |
| Total deliveries with Erythroblastosis Fetal deaths and deaths from | 109 |
| Erythroblastosis | 29 |
| Percent of deliveries Percent of delivery with Fetal result: 26.6% with infant surviv | |
| Occurrence: 3.7 cases of erythroblastosis per 1,00 live births | 00 |
| 4.6 cases of erythroblastosis per 1,00 deliveries** | 00 |

^{*} Includes births with mention of Rh Sensitization.
** Includes births plus stillbirths.

MATERNAL COMPLICATIONS

Fetal

Neonatal

| Cause | First | Second | First | Second |
|-----------------------------------|--------|---------|-----------|--------------|
| TOTAL | 214 | 214 | 264 | 264 |
| Premature Labor | 45 | 9 | 140 | 16 |
| Premature rupture membranes | 11 | 10 | 21 | 30 |
| Premature separation placenta | 28 | 7 | 12 | 10 |
| Placenta previa | 5 | 3 | 4 | 5 |
| Infection, virus or other | 2 | 3 | 10 | 8 |
| Malnutrition or obesity | 5 | 5 | 1 | 4 |
| Severe vomiting 1st trimester | - | _ | ĺ | 3 |
| Threatened abortion | 2 | 14 | 6 | 8 |
| Habitual abortion | 2 | 2 | _ | 3 |
| Heart disease | ī | - | _ | - |
| Diabetes | 6 | 1 | 2 | 1 |
| Rh sensitization | 14 | - | 6 | _ |
| Surgery | 1 | 2 | 5 | 2 |
| Irradiation | ī | i | J | 2 |
| Pelvic neoplasm | - | _ | 1 | _ |
| Uterine anomaly | 1 | 1 | ± | 1 |
| Excessive amniotic fluid | - | i | 1 | 1 |
| Multiple pregnancy | 3 | 9 | 1 | 15 |
| Abnormal presentation | 6 | 2 | 1 | 6 |
| Placenta & cord abnormality | 23 | 14 | <u></u> | 2 |
| Prolapsed cord | 3 | 4 | -4 | 2 |
| Hemorrhage | _ | 4 | ~ | |
| Kidney anomaly or disease | _ | , | • | 5 |
| Hypertensive toxemia | 11 | 3 | - | 2 |
| Rapid delivery | 4.1 | 3 | - | 1 |
| Unattended delivery | 2 | 3 | - | 3 |
| Post maturity | 1 | ~ | 2 | 3 |
| Prolonged labor | 1 | 2 | 1 | 1 |
| Trauma | - | 1 | - | _ |
| Incompetent cervical os | 1 | 2 | 1 | - |
| Maternal neglect or ignorance | ₩ 1 | _ | 1 | 4 |
| Emotional disturbance | 1 | 3 | 1 | ft |
| Maternal age | 1 | 1 | - | - |
| Endocrine | 1 | and | - | 1 |
| Drugs | - | - | 2 | - |
| Inadequate prenatal care | - | 1 | 1 | - |
| | .= | | 1 | - |
| Blood disorder or dyscrasias None | 2 | | - | - |
| Unknown | 2 | | 15 | - |
| | 34 | | 21 | 1 |
| Not stated | • | 116 | 3 | 122 |

MULTIPLE PREGNANCIES BY CAUSE OF PERINATAL DEATH

| | Fetal | Neonatal |
|---|--------|----------|
| Cause | Number | Number |
| TOTAL | 13 | 27 |
| Birth injury | - | 1 |
| Immaturity (over 28 weeks) | - | 10 |
| Anoxia | Ħ | - |
| Postnatal asphyxia or atelectasis | - | ı |
| Congenital malformation | - | ı |
| Aspiration | - | 1 |
| Fetal bleeding | ı | - |
| Immaturity | - | 12 |
| Intrauterine death before labor - fetal | 6 | _ |
| Not stated | 2 | 1 |

FETAL HEART TONES LAST HEARD

| Time | Number |
|---------------------|--------|
| TOTAL | 214 |
| Less than 5 minutes | - |
| 5 - 9 minutes | 2 |
| 10 - 14 minutes | 1 |
| 15 - 19 minutes | 1 |
| 20 - 24 minutes | 3 |
| 25 - 29 minutes | - |
| 30 - 34 minutes | 6 |
| 35 - 39 minutes | - |
| 40 - 44 minutes | - |
| 45 - 49 minutes | - |
| 50 - 54 minutes | - |
| 55 - 59 minutes | 1 |
| Less than 2 hours | 4 |
| 2 - 12 hours | 11 |
| 12 - 24 hours | 4 |
| Over 24 hours | 77 |
| Not heard | 39 |
| Not taken | - |
| Not stated | 65 |

PRIMARY MATERNAL FACTORS LEADING TO INTRAUTERINE DEATH BEFORE LABOR

(103 Questionnaires)

| TOTAL | 103 |
|-------------------------------|-----|
| Premature Labor | 25 |
| Premature rupture membranes | 5 |
| Premature separation placenta | 12 |
| Infection, virus or other | 2 |
| Malnutrition or obesity | 5 |
| Threatened abortion | 1 |
| Habitual abortion | 2 |
| Diabetes | 3 |
| Rh sensitization | 1 |
| Uterine anomaly | 1 |
| Multiple pregnancy | 3 |
| Placenta & cord abnormality | 6 |
| Hypertensive toxemia | 4 |
| Unattended delivery | 2 |
| Maternal neglect or ignorance | 1 |
| Blood disorder or dyscrasias | 2 |
| None | 1 |
| Unknown | 27 |

SEDATION

| | Fetal | Neonatal |
|---|-------|----------|
| TOTAL | 214 | 264 |
| Proper administration - proper time | 86 | 88 |
| Proper administration - improper time | 3 | 11 |
| Improper administration - proper time | - | - |
| Improper administration - improper time | 2 | 11 |
| None given | 116 | 148 |
| Blank - no entry on questionnaire | 7 | 6 |

ANTEPARTUM

Oxytoxic Drug

| | <u>Fetal</u> | Neonatal |
|-----------------------|--------------|----------|
| TOTAL | 214 | 264 |
| Given - Warranted | 7 | 7 |
| Given - Not warranted | 2 | 1 |
| Not given | 197 | 248 |
| Not stated | 8 | 8 |

PETAL

Deaths from prematurity as Perinatal Cause by Maternal Complication

| | Primary (| Primary Cause | | ause |
|----------------------------|----------------------------|---------------|----------------------------|------------|
| | Immaturity (over 28 weeks) | Immaturity | Immaturity (over 28 weeks) | Immaturity |
| TOTAL | 3 | 13 | 3 | 13 |
| Premature Labor | 1 | 6 | 1 | 1 |
| Premature rupture membrar | nes = | 3 | 1 | 2 |
| Premature separation place | enta - | 1 | - | 3 |
| Infection, virus or other | , | - | - | 1 |
| Threatened abortion | 1 | - | - | 1 |
| Habitual abortion | 43 7 | • | - | 1 |
| Surgery | nutr | 1 | - | - |
| Irradiation | - | 1 | - | - |
| Placenta & cord abnormali | ity - | mp | 1 | - |
| Prolapsed cord | - | - | - | 1 |
| Hypertensive toxemia | 1 | - | - | - |
| Rapid delivery | - | CED | - | 2 |
| Unknown | - | 1 | ⇒ | - |
| Not stated | ** | - | - | 1 |

Total fetal deaths - 214

PREVIOUS PREMATURE LABORS

| Number of Premature Births per Mother | <u>Fetal</u> | Neonatal |
|--|--------------|----------|
| TOTAL | 214 | 264 |
| 0 | 200 | 230 |
| 1 | 6 | 18 |
| 2 | 5 | 6 |
| Over 9 | - | 1 |
| Blank spaces - no infor | mation | |
| from questionnaire | 3 | 9 |

NEONATAL

Deaths from prematurity as Perinatal Cause by Maternal Complications

| | Pr | imary Caus | e | Sec | ondary Ca | ause |
|----------------------------|-----------|------------|----------|----------|-----------|------------|
| | Immaturi | tv | | Immatu | กร์ +ระ | |
| Cause (| over 28 w | • | maturity | (over 28 | | Immaturity |
| TOTAL | 53 | | 86 | 53 | | 86 |
| Premature Labor | 34 | | 61 | 5 | | 7 |
| Premature rupture membrar | | | 5 | 4 | | 18 |
| Premature separation place | enta l | | 5 | 2 | | 4 |
| Placenta previa | 1 | | 1 | 1 | | 1 |
| Infection, virus or other | 3 | | - | 1 | | 4 |
| Malnutrition or obesity | - | | - | 1 | | 1 |
| Severe vomiting 1st trime | ster - | | _ | - | | 2 |
| Threatened abortion | oop- | | 5 | 1 | | 5 |
| Habitual abortion | - | | _ | _ | | 2 |
| Diabetes | - | | 1 | _ | | - |
| Surgery | wen | | 2 | | | 1 |
| Pelvic neoplasm | 1 | | - | _ | | _ |
| Uterine anomaly | - | | | 1 | | _ |
| Multiple pregnancy | - | | - | 7 | | 4 |
| Abnormal presentation | Congre | | _ | 2 | | _ |
| Placenta & cord abnormali | ty - | | _ | 1 | | 1 |
| Prolapsed cord | - | | _ | _ | | ī |
| Hemorrhage | æ | | _ | _ | | 4 |
| Rapid delivery | - | | _ | 1 | | 1 |
| Unattended delivery | 1. | | _ | _ | | 2 |
| Trauma | 1 | | - | *** | | _ |
| Maternal neglect or ignor | ance - | | 1 | 2 | | 2 |
| Endocrine | 2 | | | _ | | - |
| Unknown | _ | | 1 | _ | | _ |
| Not stated | CROSS. | | 3 | 23 | | 24 |

NEONATAL DEATHS BY MATERNAL CAUSE BY AGE OF MOTHER

Age of Mother

| First Cause | <u> JATOT</u> | Under 15 | 15- 19 | 20- 24 | 25 - 29 | 30- 34 | 35 - 39 | 40- 44 | 45 or over | Not Stated |
|-------------------------------|---------------|-------------|-----------|-----------|-------------------|-----------|-------------------|-----------|---------------|---------------|
| TOTAL | 264 | - | 67 | 85 | 62 | 20 | . 13 | 7 | - | 10 |
| Premature Labor | 140 | • | 47 | 49 | 25 | 7 | 4 | 5 | _ | 3 |
| Premature rupture membranes | 21 | - | 3 | 8 | 5 | 2 | 3 | _ | _ | - |
| Premature separation placenta | 12 | _ | 1 | 3 | 3 | 3 | _ | _ | | 2 |
| Placenta previa | 4 | ⇔ | ī | ì | - | 2 | _ | _ | _ | 2 |
| Infection, virus or other | 10 | - | 2 | 6 | 2 | _ | _ | _ | - | - |
| Malnutrition or obesity | 1 | _ | _ | _ | î | _ | _ | _ | - | - |
| Severe vomiting 1st trimester | ī | - | - | _ | 1 | _ | _ | - | - | - |
| Threatened abortion | 6 | - | 2 | | 4 | _ | - | - | - | - |
| Diabetes | 2 | _ | 1 | 1 | - | | - | - | - | - |
| Rh sensitization | 6 | _ | ì | _ | 2 | 1 | | - | - | - |
| Surgery | 5 | _ | 1 | _ | 2 | T | 2 | - | - | 2 |
| Pelvic neoplasm | í | _ | _ | _ | 1 | _ | 2 | - | - | - |
| Excessive amniotic fluid | î | _ | ı | _ | 1 | | • | - | - | _ |
| Multiple pregnancy | ī | _ | - | _ | _ | _ | 1 | - | - | - |
| Placenta & cord abnormality | 4 | | _ | 2 | _ | | 1 | - | - | - |
| Unattended delivery | 2 | _ | 1 | | - | - | Τ. | 1 | - | - |
| Post maturity | <u>י</u> | _ | _ | _ | 1 | • | | - | | 1 |
| Trauma | ī | _ | _ | 1 | <u> </u> | _ | • | - | - | - |
| Incompetent cervical os | i | | _ | - | 1 | - | Case | - | - | - |
| Maternal neglect or ignorance | 1 | _ | ī | - | 1 | - | ** | - | - | - |
| Endocrine | 2 | | 1 | - | - | - | - | - | - | - |
| Drugs | 1 | _ | 40 | 7 | - | - | - | • | - | 2 |
| Inadequate prenatal care | 1 | 940- | _ | 1 | - | - | _ | - | - | - |
| None | | • | ~ | 1 | - | _ | - | - | - | - |
| Unknown | 15 | - | 1 | 6 | 5 | 3 | _ | _ | - | - |
| Not stated | 21 3 | - | 4 | 4 | 8 | 2 | 2 | 1 | - | - |
| | .3 | - | - | ٠, | ו | _ | | | | |

FETAL AND NEONATAL DEATHS FROM ANOXIA AS PERINATAL CAUSE BY MATERNAL COMPLICATIONS

| | Primary Cause | | Secon | dary Cause |
|-------------------------------|---------------|------------|--------|------------|
| Cause | Fetal* | Neonatal** | Fetal* | Neonatal** |
| TOTAL | 56 | 14 | 56 | 14 |
| Premature Labor | 8 | 6 | 2 | 1 |
| Premature rupture membranes | 2 | - | 2 | ī |
| Premature separation placenta | 15 | 2 | 1 | - |
| Placenta previa | 3 | 1 | 2 | 1 |
| Malnutrition or obesity | - | - | - | 1 |
| Threatened abortion | - | - | - | 1 |
| Heart disease | 1 | - | _ | - |
| Diabetes | - | 1 | - | - |
| Surgery | - | - | 1 | - |
| Multiple pregnancy | - | - | 4 | - |
| Abnormal presentation | 3 | - | 1 | - |
| Placenta & cord abnormality | 16 | 2 | 4 | - |
| Prolapsed cord | 3 | - | 2 | 1 |
| Hemorrhage | ••• | | 3 | 1 |
| Hypertensive toxemia | 3 | - | 1 | _ |
| Rapid delivery | | - | 1 | 1 |
| Unattended delivery | - | 1 | - | *** |
| Trauma | 1 | _ | 1 | - |
| Emotional disturbance | - | - | 1 | - |
| None | 1 | - | - | - |
| Unknown | - | 1 | - | _ |
| Not stated | • | - | 30 | 6 |

^{*}Total fetal deaths - 214 **Total neonatal deaths - 264

WEEKS OF GESTATION AT FIRST EXAMINATION

| Weeks | Fetal | Neonatal |
|---|-------|----------|
| TOTAL | 214 | 264 |
| No exam prior to admission at hospital for delivery | 5 | 16 |
| 1 - 13 | 99 | 137 |
| 14 - 26 | 58 | 71 |
| 27 - 39 | 20 | 8 |
| 40 and over | 1 | - |
| No information from questionnaire | | |
| and not stated | 14 | 16 |
| Not stated | 17 | 16 |

NUMBER OF ANTEPARTUM EXAMINATIONS FOR FETAL DEATHS EXCLUDING THOSE WITH PREMATURE LABOR

| Number of Examinations | Number |
|------------------------|--------|
| TOTAL | 158 |
| 1 - 3 | 23 |
| 4 - 6 | 26 |
| 7 - 9 | 33 |
| Over 9 | 47 |
| None | 4 |
| Not stated | 15 |
| Blank spaces | 10 |

ANTEPARTUM CARE FETAL

| Extent | Number |
|------------|--------|
| TOTAL | 214 |
| Adequate | 116 |
| Inadequate | 67 |
| None | 12 |
| Unknown | 15 |
| Not stated | 4 |

PHYSICIAN'S OPINION

Might Death Have Been Prevented

| Answer | <u>Fetal</u> | Neonatal |
|------------|--------------|----------|
| TOTAL | 214 | 264 |
| Yes | 41 | 26 |
| No | 130 | 196 |
| Possibly | 10 | 10 |
| Unknown | 2 | 3 |
| Not stated | 31 | 29 |

INFECTION IN MOTHER DURING PREGNANCY

| Cause | Fetal Number | Neonatal Number |
|--|------------------|--------------------|
| TOTAL | 214 | 264 |
| Intrauterine Sepsis Pneumonia Urinary tract Meningitis | - - - - | - 1 - |
| Rubella Viral Tuberculosis | - | 2 |
| Cervico-vaginitis Syphilis | 1 | - - |
| None | 213 | 261 |

FETAL AND NEONATAL INFECTIONS

| Cause | Fetal Number | Neonatal Number |
|--|-----------------|--------------------|
| TOTAL | 214 | 264 |
| Intrauterine Sepsis Pneumonia Urinary tract Meningitis Rubella Viral Tuberculosis Cord infection | 1 | 3 6 1 1 |
| Syphilis None | 213 | 253 |

TYPE OF DELIVERY

| Method | <u>Fetal</u> | Neonatal |
|------------------------------|--------------|----------|
| TOTAL | 214 | 264 |
| Spontaneous | 149 | 195 |
| Low Forceps | 12 | 16 |
| Mid Forceps | 1 | 2 |
| High Forceps | - | 1 |
| Manual rotation | 1 | _ |
| Instrumental rotation | - | _ |
| Breech extraction | 18 | 20 |
| External version | - | - |
| Internal podalic version | 2 | - |
| Low cervical cesarean | 10 | 8 |
| Classical cesarean | 10 | 14 |
| Cesareanhysterectomy (porro) | - | 2 |
| Primary low cervical section | - | - |
| Repeat low cervical section | - | 1 |
| Primary classical cesarean | īţ | - |
| Repeat classical cesarean | - | ı |
| Not stated | 7 | 14 |

AUTOPSY - FETAL

AUTOPSY - NEONATAL

| | Number | Percent | | Number | Percent |
|-------|--------|---------|-------|--------|---------|
| TOTAL | 214 | 100.0 | TOTAL | 264 | 100.0 |
| Yes | 7 | 3.3 | Yes | 52 | 19.7 |
| No | 207 | 96.7 | No | 212 | 80.3 |

DIAGNOSTIC PROCEDURES

| | Fet | al | Neonat | al |
|-----------------|-------|--------|--------|--------|
| Type Used | First | Second | First | Second |
| TOTAL | 214 | 214 | 264 | 264 |
| X-ray | 2 | - | 48 | 2 |
| Lumbar puncture | ** | - | 2 | 1 |
| Stool culture | - | - | 1 | - |
| Blood study | - | - | 19 | 16 |
| Coomb's Test | - | - | 16 | 11 |
| Culture | - | - | 4 | 3 |
| Autopsy | 7 | - | 24 | 19 |
| None | 205 | 214 | 150 | 212 |

AGPAR SCORE

| Agpar Score | Number |
|-------------|--------|
| TOTAL | 264 |
| | |
| 00 | 7 |
| 01 | 23 |
| 02 | 30 |
| 03 | 25 |
| 04 | 19 |
| 05 | 16 |
| 06 | 10 |
| 07 | 18 |
| 08 | 14 |
| 09 | 22 |
| 10 | 7 |
| Not stated | 73 |

BIRTH INJURY (Listing of 9 other Birth Injuries) 1967 Births

| Type of Injury | Number |
|---|--------|
| Molding of head | 2 |
| Brachial plaxus paralysis | 1 |
| Erb's Palsy RUE | 1 |
| Loss muscle tone, left leg | 1 |
| Cut on left cheek | 1 |
| Contusion face | 1 |
| Possible left axillary nerve injury | 1 |
| Superficial marks on cheeks | _1_ |
| Total | 9 |
| Listing of 13 other Birth Injuries 1968 Births | |
| Bruise or abrasion | 6 |
| Brachial plexus injury | 2 |
| Facial paralysis | 2 |
| Left Erb's paralysis | 1 |
| Ecchymosis to lips, nose, and left temple | 1 |
| Hematoma | _1_ |
| Total | 13 |

CONGENITAL MALFORMATIONS - BIRTH CERTIFICATES 1967

| Total listed | 145 |
|-------------------------------|-----|
| Cleft palate - cleft lip | 18 |
| Bone-joint defects | 18 |
| Genitourinary | 15 |
| Ear defects | 14 |
| Heart-circulation defects | 14 |
| Club foot | 12 |
| Hydrocephalus | 8 |
| Spina bifida | 7 |
| Defects of digestive organs | 6 |
| Poly or syndactylism | 6 |
| Nervous and Mongolism | 6 |
| Hemangioma | 5 |
| Muscle defects | 3 |
| Multiple congenital anomalies | 3 |
| Other defects of oral cavity | 3 |
| Skin tags | 2 |
| Micrognathia | 1 |
| High arched palate | 1 |
| Congenital goiter | 1 |
| Cyst | 1 |
| Disphragmatic hernia | 1 |

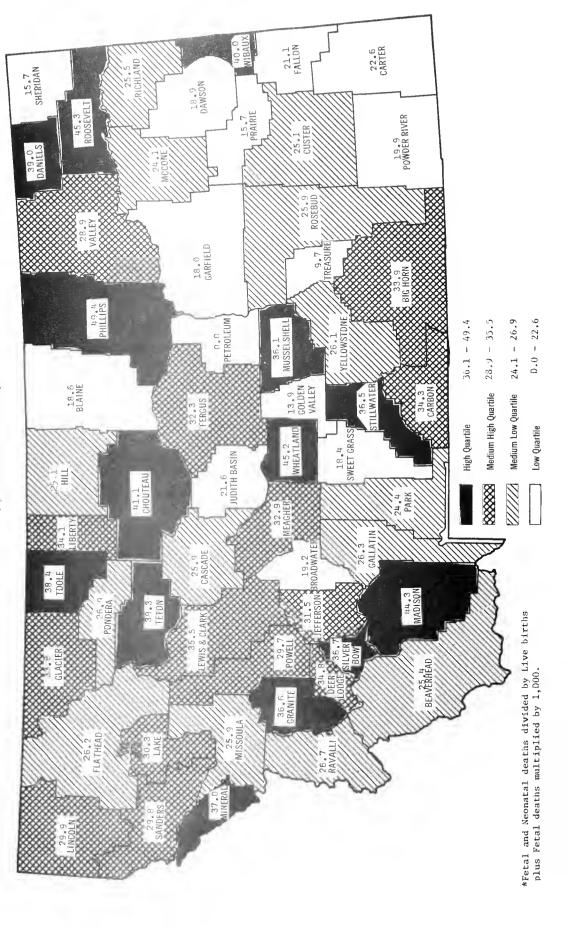
CONGENITAL MALFORMATIONS - BIRTH CERTIFICATES 1968

Total listed

| Total listed | 148 |
|--------------------------------|-----|
| Cleft palate - cleft lip | 20 |
| Genitourinary defects | 17 |
| Heart defects | 16 |
| Club foot | 16 |
| Bone - joint defects | 15 |
| Poly or syndactylism | 11 |
| Hydrocephalus - anencephalus | 8 |
| Spina bifida | 7 |
| Ear defects | 6 |
| Nervous and Mongolism | 5 |
| Diaphragmatic hernia | 5 |
| Defects of disgestive organs | 5 |
| Muscle defects | 3 |
| Eye defects | 2 |
| Hemangioma | 2 |
| Skin tags | 2 |
| Nose defects | 2 |
| Micrognathia | 1 |
| Polycystic disease | 1 |
| Mild sternal diaphram adhesion | 1 |
| Pigmented nevus | 1 |
| Teratoma | 1 |
| Other chomosomal abnormalities | 1 |

FIVE YEAR PERINATAL DEATH RATES

(By Place of Residence)



As we have done the previous two years, we reviewed the items submitted to your office for any trends developing over the last five years. Each item is discussed separately.

After ten years of usage, the birth certificate was revised on the national level. Montana also changed its certificate to comply as much as permissable with the national standard and began using the new version on January 1, 1968. Quite a few changes have been incorporated, we hope for the better, especially in the confidential section. New items were added, some were changed, and some were completely deleted. Therefore, in some instances it is very difficult or even impossible to make statistical comparisons over the last years. We will have to wait in order to see any trends.

One item deleted is "length of pregnancy". Instead, the date last normal menses began is given. This permits us to compute the length of gestation by computer. Since 40 weeks is considered term, one would expect, when plotting the length of pregnancy, a normal curve peaking at 40 weeks, but slightly skewed to the left (the early months) by chance alone. As you can see by the attached graph prepared from the computer print-out, this is actually the case. This method to arrive at the length of pregnancy, is statistically more valid than the one in which the doctor states the gestation period. In the early months doctors seem to determine the elapsed time quite accurately (with preference to the even numbers), but during the last month of pregnancy, they add their personal and professional judgment as to appearance of the baby, no matter how long the mother carried the baby according to the calendar.

As can be expected, the new way of figuring the length of pregnancy incorporates errors in the mother's memory as to when she had her last menses. It also shows problems in the menstrual cycle of a woman. This year, also, inconsistent reporting due to people not being used to the new requirements for information resulted in some unbelieveable figures. 1.3% of the births occurring to Montans residents delivering in Montana were stated to have had a gestation period of less than 16 weeks. 4.6% of the births were carried over 45 weeks. 1.7% had the date of last menses not stated. 43.6% of the births were carried less than 40 weeks, 34.0% over 40 weeks, and 20.7% exactly 40 weeks. 52.4% of the babies were term babies; that is, they had a gestation period of 39-41 weeks. 63.1% were carried 38-42 weeks, which is considered term by some authorities. There were 9.8% premature births; that is, under 36 weeks of pregnancy. The over all picture should remain the same over the years, but we expect improvements in reporting, and thus fewer births in the extreme months and in the "not stated" group.

Item 21: "Weight at birth":

7.5% of the births were 5 lbs. 8 oz. or less and thus considered premature. For the last five years the range spread from 7.1% in 1964 to 8.2% in 1966. Since 1966 the "weight not given" group has remained at 0.2%. In order to correlate weight at birth with length of pregnancy, we will have to wait a few years because the old and new methods of computing the gestation period are not comparable. One must observe the performance of the new method over several years to make a meaningful analysis.

Item 19a: "Month prenatal care began":

This is also a new item. Therefore, many people again did not enter this item on the certificate because they were not used to it. 2.1% of the births were not stated. 34.0% of the mothers started going to the doctor in their second month of pregnancy, 27.0% in the third. 70.9% went during the first trimester, 22.2% during the second, and 4.7% in the third. Since women should see the doctor early and regularly during pregnancy, we hope for an improvement in these data. If the next years do not show an increase of percentage during the first trimester, a program to correct this might be in order. It is also interesting to note that unwed mothers seek the doctor's care later than married women: only 35.1% sought medical care for the first time during the first trimester, and 35.9% during the second. 20.0% went to the doctor in their last trimester or not at all.

Item 19b: "Number of prenatal visits":

This, again, is a new item. We hope that this information will help us to see if the pregnant woman receives sufficient care. Of course, some mothers don't need much supervision because the pregnancy takes its course smoothly and normally. However, we believe that even a health pregnant woman should see the doctor once a month at first, then more often during the last month. Therefore, most expectant mothers should visit the doctor at least nine times before delivery. Our figures show that 63.1% of the pregnant women did go to the doctor nine or more times. However, there were also 1.3% that didn't see the doctor at all before giving birth, and 6.3% visited the doctor only three or less times. 2.5% left this item blank on the certificate. We assume that this figure will shrink with usage. Again we find that the even numbers are preferred to the uneven numbers. This might be due to the practice of some hospitals gathering this information from the mother instead of from the doctor who keeps accurate written records.

Item 23: "Birth injury":

0.27% of the babies received an injury during delivery, the highest percentage in the last five years. However, the numbers are too few to make an analysis meaningful.

Item 25: "Congenital Malformations":

1.28% of the babies were born with a congenital malformation. There are again too few numbers for analysis.

Item 22: "Complications of pregnancy":

24: "Complications not related to pregnancy":

26: "Complications of labor":

On the new certificate the item "complications of pregnancy and labor" has been divided into the above-named three items. This will permit us to determine trends and health problems more readily in the future. However, this year (1968) it is difficult or even useless in some instances to make an analysis, although we had not changed our coding procedure significantly. But, as of January 1, 1970, a new

set of codes, which have been approved by Dr. Dawson, will be used for each item. We hope these will yield good and meaningful data on health problems concerning pregnancy in the future. Some information is quite apparent already, however. Toxemias account for 63.1% of all complications of pregnancy. Complications during labor occur more often each year, which either means that the doctors are more conscientious in reporting such problems, or women really do have more trouble when delivering their babies. The future years will give us detailed information as to which problems arise during labor. The overall percentage of complications of pregnancy and labor has also increased steadily over at least the last six years, but this is probably due to the increase in labor difficulties. The big jump from 11.3% in 1967 to 14.0% in 1968 could be explained by the few changes in coding we did have to make. For one thing, instead of only one code for "other" we now have three, and many conditions are lumped now into this code that have not been coded before.

Item 27: "Operations":

18.8% of all deliveries needed help through a surgical procedure other than episiotomy. This is the first time in six years that the percentage is lower than the one in the preceding year. The use of cesarean section has increased, also the practice of inducing labor. 56.4% of all operations performed were deliveries with the aid of low forceps which is a large jump from last year. The use of low forceps had increased steadily each year before, too. Either more doctors make this a routine procedure, or the increased labor difficulties necessitate an increased use of instruments. Also, more doctors report the use of high forceps each year. There are still less than ten cases, though.

Item 28: "Prophylaxis used":

After checking as far back as 1963, the same trends are apparent: the use of silver nitrate decreases rapidly, and the use of antibiotics increases accordingly. This year, however, more sulfa drugs were used than in the preceding years. The percentage of "no prophylaxis used" has dropped from 4.0% to 1.2% of all Montana births.

We are currently engaged in analyzing and correlating some of the new items further. So far you have received our study on month prenatal care began as it relates to education of the mother. Future studies will be distributed as they are completed. We would be very interested in any comments you might have on these studies, and in any suggestions as to what you would like to see compared or correlated.

If you have any questions regarding this analysis, or if you would like additional information, please let us know.

44 45+ -17 Number of Live Births

Length of Gestation in Weeks

Montana, 1968 (Infants born in Montana to mothers who were Montana residents)

LIVE BIRTHS BY GESTATION AGE:

MONTH PRENATAL CARE BEGAN BY COUNTY

At Dr. Anderson's suggestion, we have prepared a tabulation which shows the number and percent of live births by menth prenatal care began for Montana counties for 1968. Also attached are charts which depict this information graphically for selected counties. Since it becomes confusing if too many lines appear on a single graph, we selected a "good" county and a "bad" county for display on each graph. This minimizes the intermingling of the lines.

Counties were selected for graphic presentation by summing the percent figures in the first trimester. "Good" counties selected were those that had in excess of 77% of mothers who initiated prenatal care in the first trimester; "bad" counties were those where less than 55% initiated care in the first trimester. Graphs were not prepared for counties with only a few live births over the entire year.

When these counties are displayed, it will be noted that in each case, the "bad" county is also an "Indian" county. With this in mind we then prepared another tabulation which shows the month prenatal care began by race of mother. It is readily apparent on the basis of this criterion that the prenatal care of Indians is inferior to that of whites.

The federal government has been responsible for providing medical care for Indians for over 80 years. The goal of the Division of Indian Health is "to raise the health status of the American Indian and Alaska native to the highest possible level." It would appear, based on these data, that even the more modest goal of bringing the level of Indian health up to that of the white community is indeed a long term one.

Note that the scales on all graphs are identical so that the lines on one graph can be compared with those on another. The chart containing Gallatin and Glacier Counties represent the two counties at the extreme ends of the spectrum.

Because percentages are used, the areas under the curves are equal for all counties.

We are also enclosing a chart which shows the percent of birth certificates filed by county with month prenatal care began not stated. We have observed in the past that careful completion of vital records is often closely correlated with quality of medical care.

lan act to ratify and confirm an agreement with the Gros Ventre, Piegan Blood, Blackfeet, and River Crow Indians in Montana was signed by representatives of these tribes on December 28, 1886, and approved by the 50th Congress in 1888. Chapter 213, Article III. This treaty provides in part for "... procuring medicine and medical assistance..."

²The Principles of Program Packaging in the Division of Indian Health, U.S. Department of Health, Education and Welfare, Public Health Service, Bureau of Medical Services, January 15, 1966.

(Mothers who delivered in Montana and were residents of Montana) LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN Montana Countles, 1968

| 8.4 14.4 11.6 10.7 4.0 7.2 10.3 6.9 6.9 7.9 | | 10 14 3 16 | 5 15.5 10 0 9.9 14 2 7.4 3 8 8.9 16 3 16.0 16 | 199 12.3 117 15 15.5 10 20 9.9 14 2 7.4 3 18 8.9 16 33 16.0 16 | 24.0 6 24.0 1 27.3 199 12.3 117 33.0 15 15.5 10 25.1 20 9.9 14 37.0 2 7.4 3 25.1 18 8.9 16 25.7 33 16.0 16 | 441 27.3 199 12.3 117 32 33.0 15 15.5 10 1 51 25.1 20 9.9 14 10 37.0 2 7.4 3 1 51 25.1 18 8.9 16 53 25.7 33 16.0 16 | 538 33.3 441 27.3 199 12.3 117 34 35.1 32 33.0 15 15.5 10 1 79 38.9 51 25.1 20 9.9 14 7 25.9 10 37.0 2 7.4 3 1 75 36.9 51 25.1 18 8.9 16 67 32.5 53 25.7 33 16.0 16 | 9.0 538 33.3 441 27.3 199 12.3 117 0.0 34 35.1 32 33.0 15 15.5 10 12.8 79 38.9 51 25.1 20 9.9 14 3.7 7 25.9 10 37.0 2 7.4 3 10.8 75 36.9 51 25.1 18 8.9 16 6.3 67 32.5 53 25.7 33 16.0 16 | 13.1 26 31.0 18 21.4 12 14.3 9 20.0 5 20.0 6 24.0 6 24.0 1 9.0 538 33.3 441 27.3 199 12.3 117 0.0 34 35.1 32 33.0 15 15.5 10 12.8 79 38.9 51 25.1 20 9.9 14 3.7 7 25.9 10 37.0 2 7.4 3 10.8 75 36.9 51 25.1 18 8.9 16 6.3 67 32.5 53 25.7 33 16.0 16 | 5 20.0 5 20.0 6 24.0 6 24.0 1 145 9.0 538 33.3 441 27.3 199 12.3 117 - 0.0 34 35.1 32 33.0 15 15.5 10 1 26 12.8 79 38.9 51 25.1 20 9.9 14 1 3.7 7 25.9 10 37.0 2 7.4 3 1 22 10.8 75 36.9 51 25.1 18 8.9 16 13 6.3 67 32.5 53 25.7 33 16.0 16 | 100.0 5 20.0 5 20.0 6 24.0 6 24.0 1 100.0 145 9.0 538 33.3 441 27.3 199 12.3 117 100.0 - 0.0 34 35.1 32 33.0 15 15.5 10 1 100.0 26 12.8 79 38.9 51 25.1 20 9.9 14 100.0 1 3.7 7 25.9 10 37.0 2 7.4 3 1 100.0 22 10.8 75 36.9 51 25.1 18 8.9 16 100.0 13 6.3 67 32.5 33 16.0 16 |
|--|--------|---|---|---|--|---|--|---|---|--|--|
| 8.5 3 3.7 | 8.5 3 | 3 7 8.5 3 3 13 6.7 9 | 18.3 7 8.5 3 10.3 13 6.7 9 | 15 18.3 7 8.5 3 20 10.3 13 6.7 9 | 15 18.3 7 8.5 3 20 10.3 13 6.7 9 | 25 30.5 15 18.3 7 8.5 3 38 19.6 20 10.3 13 6.7 9 | 19 23.2 25 30.5 15 18.3 7 8.5 3 79 40.7 38 19.6 20 10.3 13 6.7 9 | 8.5 19 23.2 25 30.5 15 18.3 7 8.5 3 10.3 79 40.7 38 19.6 20 10.3 13 6.7 9 | 19 23.2 25 30.5 15 18.3 7 8.5 3 79 40.7 38 19.6 20 10.3 13 6.7 9 | 8.5 19 23.2 25 30.5 15 18.3 7 8.5 3 10.3 79 40.7 38 19.6 20 10.3 13 6.7 9 | 7 8.5 19 23.2 25 30.5 15 18.3 7 8.5 3 20 10.3 79 40.7 38 19.6 20 10.3 13 6.7 9 |
| الا موسود الم | 0.00 | 7 41 6.0 | 8.7 41 6.0 | .4 59 8.7 41 6.0 | 27.4 59 8.7 41 6.0 | 186 27.4 59 8.7 41 6.0 | 262 38.6 186 27.4 59 8.7 41 6.0 | 10.9 262 38.6 186 27.4 59 8.7 41 6.0 | 10.9 262 38.6 186 27.4 59 8.7 41 6.0 | 74 10.9 262 38.6 186 27.4 59 8.7 41 6.0 | 100.0 74 10.9 262 38.6 186 27.4 59 8.7 41 6.0 |
| 3.9 10 | | 19 3.9 | 9 3.9 | 10.0 19 3.9 | 49 10.0 19 3.9 | 24.7 49 10.0 19 3.9 | 223 45.5 121 24.7 49 10.0 19 3.9 | 10.8 223 45.5 121 24.7 49 10.0 19 3.9 | 223 45.5 121 24.7 49 10.0 19 3.9 | 10.8 223 45.5 121 24.7 49 10.0 19 3.9 | 53 10.8 223 45.5 121 24.7 49 10.0 19 3.9 |
| 6.1 | 5 16.1 | 2.9 5 16 | .9 5 16 | 12.9 5 16 | .0 4 12.9 5 16 | 9 29.0 4 12.9 5 16 | 29.0 4 12.9 5 16 | 9.7 8 25.8 9 29.0 4 12.9 5 16 | 8 25.8 9 29.0 4 12.9 5 16 | 9.7 8 25.8 9 29.0 4 12.9 5 16 | 3 9.7 8 25.8 9 29.0 4 12.9 5 16 |
| | | 5 10 9 14 4 3 9 16 0 16 0 16 0 16 0 19 0 19 | 15.5 10 9.9 14 7.4 3 8.9 16 16.0 16 18.3 7 10.3 13 8.7 41 8.7 41 10.0 19 | .3 199 12.3 117 .0 15 15.5 10 .1 20 9.9 14 .0 2 7.4 3 .1 18 8.9 16 .7 33 16.0 16 .5 15 18.3 7 .6 20 10.3 13 .4 59 8.7 41 .7 49 10.0 19 | 24.0 6 24.0 1 27.3 199 12.3 117 33.0 15 15.5 10 25.1 20 9.9 14 37.0 2 7.4 3 25.1 18 8.9 16 25.7 33 16.0 16 30.5 15 18.3 7 19.6 20 10.3 13 27.4 59 8.7 41 24.7 49 10.0 19 29.0 4 12.9 5 | 441 27.3 199 12.3 117 32 33.0 15 15.5 10 51 25.1 20 9.9 14 10 37.0 2 7.4 3 51 25.1 18 8.9 16 51 25.7 33 16.0 16 25 30.5 15 18.3 7 38 19.6 20 10.3 13 186 27.4 59 8.7 41 121 24.7 49 10.0 19 9 29.0 4 12.9 5 5 | 538 33.3 441 27.3 199 12.3 117 34 35.1 32 33.0 15 15.5 10 79 38.9 51 25.1 20 9.9 14 7 25.9 10 37.0 2 7.4 3 67 36.9 51 25.1 18 8.9 16 67 32.5 53 25.7 33 16.0 16 19 23.2 25 30.5 15 18.3 7 79 40.7 38 19.6 20 10.3 13 262 38.6 186 27.4 59 8.7 41 223 45.5 121 24.7 49 10.0 19 8 25.8 9 29.0 4 12.9 5 5 | 9.0 538 33.3 441 27.3 199 12.3 117 0.0 34 35.1 32 33.0 15 15.5 10 12.8 79 38.9 51 25.1 20 9.9 14 3.7 7 25.9 10 37.0 2 7.4 3 10.8 75 36.9 51 25.1 18 8.9 16 6.3 67 32.5 53 25.7 33 16.0 16 8.5 19 23.2 25 30.5 15 18 10.3 79 40.7 38 19.6 20 10.3 13 10.9 262 38.6 186 27.4 59 8.7 41 10.8 223 45.5 121 24.7 49 10.0 19 9.7 8 25.8 9 29.0 4 12.9 5 | 13.1 26 31.0 18 21.4 12 14.3 9 20.0 5 24.0 6 24.0 1 <td>5 20.0 5 20.0 6 24.0 6 24.0 1 145 9.0 538 33.3 441 27.3 199 12.3 117 - 0.0 34 35.1 32 33.0 15 15.5 10 26 12.8 79 38.9 51 25.1 20 9.9 14 1 3.7 7 25.9 10 37.0 2 7.4 3 22 10.8 75 36.9 51 25.1 18 8.9 16 13 6.3 67 32.5 53 25.7 33 16.0 16 13 6.3 67 32.5 53 25.7 33 16.0 16 13 6.3 67 32.5 53 25.7 33 16.0 16 14 10.9 26.2 38.6 186 27.4 59 8.7 41 53 10.8 25.3 45.5 121 24.7 49 10</td> <td>25 100.0 5 20.0 5 20.0 6 24.0 6 24.0 1 1618 100.0 145 9.0 538 33.3 441 27.3 199 12.3 117 97 100.0 - 0.0 34 35.1 32 33.0 15 15.5 10 203 100.0 26 12.8 79 38.9 51 25.1 20 9.9 14 203 100.0 26 12.8 79 38.9 51 25.1 20 9.9 14 204 100.0 22 10.8 75 36.9 51 25.1 18 8.9 16 82 100.0 22 10.8 75 36.9 51 25.7 33 16.0 16 82 100.0 3 40.7 38 19.6 20 10.3 7 450 100.0 74 10.9</td> | 5 20.0 5 20.0 6 24.0 6 24.0 1 145 9.0 538 33.3 441 27.3 199 12.3 117 - 0.0 34 35.1 32 33.0 15 15.5 10 26 12.8 79 38.9 51 25.1 20 9.9 14 1 3.7 7 25.9 10 37.0 2 7.4 3 22 10.8 75 36.9 51 25.1 18 8.9 16 13 6.3 67 32.5 53 25.7 33 16.0 16 13 6.3 67 32.5 53 25.7 33 16.0 16 13 6.3 67 32.5 53 25.7 33 16.0 16 14 10.9 26.2 38.6 186 27.4 59 8.7 41 53 10.8 25.3 45.5 121 24.7 49 10 | 25 100.0 5 20.0 5 20.0 6 24.0 6 24.0 1 1618 100.0 145 9.0 538 33.3 441 27.3 199 12.3 117 97 100.0 - 0.0 34 35.1 32 33.0 15 15.5 10 203 100.0 26 12.8 79 38.9 51 25.1 20 9.9 14 203 100.0 26 12.8 79 38.9 51 25.1 20 9.9 14 204 100.0 22 10.8 75 36.9 51 25.1 18 8.9 16 82 100.0 22 10.8 75 36.9 51 25.7 33 16.0 16 82 100.0 3 40.7 38 19.6 20 10.3 7 450 100.0 74 10.9 |

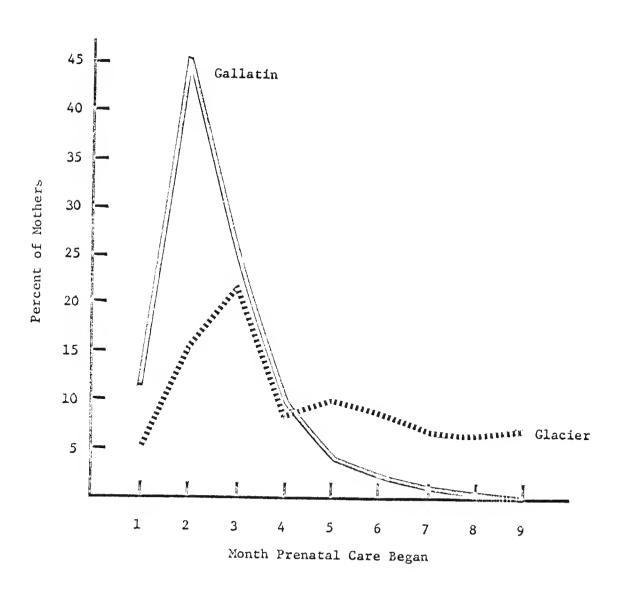
LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN, CONTINUED Montana Counties, 1968 (Mothers who delivered in Montana and were residents of Montana)

| Schacter 220 No. 2 No. 2 No. 2 No. 2 No. 2 No. 2 No. 3 Collecter 320 No. 3 No. | County | Tota1 | al | 1 | | 2 | | 3 | | 4 | | 5 | | 9 | | 7 | 7 | 8 | The state of the s | | 6 | St | Not Stated |
|--|-----------------|-------|--------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-----------|---------------|--|-----|-----|----------|---------------|
| rr 220 100.0 11 5.0 34 15.5 4.6 21.8 12 8.2 10.0 9 8.6 11 r 11 100.0 6 35.3 5 29.4 211.8 12 11.8 1 0.0 1 9.6 1 r 46 100.0 2 4.3 10 21.7 15 22.6 19.6 9.4 23 6.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 1 0.0 | | No. | 2 | No. | % | No. | 8-2 | No. | % | No. | 84 | No. | % | No. | 2.5 | No. | % | No. | % | No. | 8% | No. | 12 |
| 17 100.0 6 35.3 5 29.4 2 11.8 2 11.8 0.0 0.0 0.0 0.0 0.0 28 46 100.0 25 4.3 10 21.7 15 32.6 3 19.6 3 6.5 3 6.5 1 28 100.0 25 12.5 82 28.6 75 26.1 27 9.4 23 8.0 16 5.6 11 28 100.0 6 8.5 16 22.5 22 31.0 9 12.7 7 9.9 4 5.6 11 4 100.0 6 11.4 21.4 21.5 22 31.0 23 23.6 23 10.5 24 24 25 5 1 1 1 2.5 2.5 31.6 23 23.6 23 10.5 24 25 24 5 1 1 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 5 1 1 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 5 1 2 2 2 2 2 2 2 2 2 | Glacier | 220 | 100.0 | 11 | 5.0 | 34 | | 6 4 | 21.8 | 13 | • | 22 | 10.0 | 19 | • | 1.5 | 6.3 | 14 | 6.4 | 15 | 6.3 | 24 | 1.0.9 |
| te 46 100.0 | Valley | 17 | 100.0 | 9 | 35.3 | 2 | 29.4 | 2 | 11.8 | 7 | 11.8 | t | 0.0 | 1 | 0.0 | f | 0.0 | - | 5.9 | ı | 0.0 | <u> </u> | 5.9 |
| son 71 100.0 6 8.5 12.5 22 31.0 9 12.7 7 9.9 4 5.6 11 son 71 100.0 6 8.5 16 22.3 31.0 9 12.7 7 9.9 4 5.6 11 s 33 100.0 4 10.5 16 42.1 6 15.8 7 18.4 9 9 4 5.6 11 s 512 100.0 16 42.1 21 18.6 2 18.7 2 19.8 7 18.9 6 9 1 5.0 4 5.0 1 4 5.0 1 4 5.2 1 18.9 4 5.0 9 4 5.0 4 5.0 1 s 551 100.0 1 42.1 3.2 4 18.9 3 4 5 4 5 4 5 | Granite | 949 | 100.0 | ~ | 4.3 | 10 | 21.7 | 15 | 32.6 | 67 | 19.6 | 3 | 6.5 | က | 6.5 | | 2.2 | 1 | 0.0 | | 2.2 | 2 | 4.3 |
| 133 100.0 6 8.5 16 22.5 31.0 9 12.7 7 9.9 4 5.6 1 1 33 100.0 4 10.5 16 42.1 6 15.8 7 18.4 3 7.9 9 9 1 5.6 1 8 51 10.0 12 8.5 67 31.6 53 25.0 23 10.8 13 10.0 6 11.4 21.4 33.8 152 27.6 54 9.8 5.1 17 6.0 4 57 100.0 63 11.4 21.4 32.2 27.6 54 9.8 5.1 17 6.0 4 10 63 10.0 14 37.8 12 28.6 4 9.8 5.1 12 4 9.9 4 9.9 4 9.9 4 9.9 4 9.9 4 9.9 4 9.9 | H111 | 237 | 100.0 | 36 | 12.5 | 82 | 28.6 | 75 | 26.1 | 27 | 9.4 | 23 | 8.0 | 16 | 5.6 | 11 | 3.3 | n | 1.0 | ۲۲) | C, | p-m-{ | ເນ ໝໍ |
| k 33 100.0 d 10.5 64 15.8 7 18.4 3 7.9 - 0.0 1 k 212 100.0 15 8.5 31.6 53 25.0 23 10.8 13 6.1 14 6.6 4 y 551 100.0 63 11.4 214 38.8 152 27.6 54 9.8 28 5.1 17 3.1 12 y 37 100.0 - 0.0 14 37.8 12 27.6 54 9.8 28 5.1 17 3.1 12 y 31 100.0 - 0.0 14 37.8 12 27.6 41 12.7 12 3.1 12.7 44.9 44.9 44.1 44.1 44.1 44.1 44.1 44.1 44.1 44.1 44.1 44.4 44.4 44.4 44.4 44.4 44.4 44.4 4 | Jefferson | 7.1 | 100.0 | 9 | 8.5 | | 22.5 | 22 | 31.0 | 0 | 12.7 | 7 | 6.6 | 7 | 5.6 | | 1.4 | 2 | 2.3 | ~ | 5,6 | ! | 0.0 |
| b 512 100.0 15 8.5 67 31.6 53 25.0 23 10.8 13 6.1 14 6.6 4 551 100.0 62 11.4 214 33.8 152 27.6 54 9.8 5.1 17 3.1 12 7 37 100.0 - 0.0 14 37.8 12 32.4 7 18.9 2 5.4 1 2.7 1 1n 323 100.0 2 11.1 34.4 92 28.5 41 12.7 18 5.6 4.9 5.9 4 1n 40.0 7 17.1 14 34.1 11 26.8 2 4.9 2 4.9 2 4.9 | Judith Basin | 33 | 100.0 | 4 | 10.5 | | 42.1 | 9 | 15.8 | 7 | 18.4 | Ω. | 7.9 | 1 | 0.0 | H | 2.6 | Н | 2.6 | ! | 0.0 | I | 0.0 |
| 8 551 100.0 63 11.4 214 38.8 152 27.6 54 9.8 28 5.1 17 3.1 12 37 100.0 - 0.0 14 37.8 12 27.6 7 18.9 2 5.4 1 27.7 - nn 32.3 100.0 28 8.7 111 34.4 92 28.5 41 12.7 18 5.6 19 5.9 4 nn 32.3 100.0 7 17.1 14 34.1 11 26.8 7 10.9 2 4.9 2 4.9 2 4.9 2 4.9 4.9 2.9 4.1 12.7 4.9 4.7 2 4.9 2 4.9 4.7 2 4.9 2 4.9 4.7 2 4.9 2 4.9 2 4.9 2 4.9 2 4.9 2 4.9 4.7 2 | | 2.1.2 | 100.0 | 13 | 3.5 | | 31.6 | 53 | 25.0 | 23 | 10.8 | 13 | 6.1 | 14 | 6.6 | 4 | 1.9 | တ | 3.8 | بہ | 0.5 | 1.1 | 5.2 |
| 323 100.0 23 8.7 111 34.4 92 28.5 41 12.7 18 5.6 19 5.9 4 41 100.0 7 17.1 14 34.1 11 26.8 2 4.9 2 3.1 3 4.7 2 4.9 4. | | 551 | 100.0 | 63 | 11.4 | | 33.8 | 152 | 27.6 | 54 | 9.8 | 28 | 5.1 | 17 | 3,1 | 12 | 2.2 | 5 | 0.9 | 3 | 0.5 | 3 | 0.5 |
| 323 100.0 23 8.7 111 34.4 92 28.5 41 12.7 18 5.6 19 5.9 4 41 100.0 7 17.1 14 34.1 11 26.8 2 4.9 2 4.9 2 4.9 2 4.9 - </td <td>Liberty</td> <td>37</td> <td>100.0</td> <td>1</td> <td>0.0</td> <td>14</td> <td>37.8</td> <td>12</td> <td>32.4</td> <td>7</td> <td>18.9</td> <td>2</td> <td>5.4</td> <td></td> <td>2.7</td> <td>ţ</td> <td>0.0</td> <td>1</td> <td>2.7</td> <td>1</td> <td>0.0</td> <td>ı</td> <td>0.0</td> | Liberty | 37 | 100.0 | 1 | 0.0 | 14 | 37.8 | 12 | 32.4 | 7 | 18.9 | 2 | 5.4 | | 2.7 | ţ | 0.0 | 1 | 2.7 | 1 | 0.0 | ı | 0.0 |
| 41 100.0 7 17.1 14 34.1 11 26.8 2 4.9 2 4.9 2 4.9 - 64 100.0 8 12.5 17 26.6 21 32.8 7 10.9 2 3.1 3 4.7 2 34 100.0 1 2.9 8 23.5 9 26.5 4 11.8 3 8.8 5 14.7 49 100.0 4 8.2 14 28.6 10 20.4 5 10.2 5 | Lincoln | 323 | 100.0 | 23 | 3.7 | 111 | 34.4 | 92 | 28.5 | | 12.7 | 13 | 5.6 | 13 | 5.9 | 17 | 1.2 | 7 | 1.2 | Н | 0.3 | 2 | 1.5 |
| 64 100.0 8 12.5 17 26.6 21 32.8 7 10.9 2 3.1 3 4.7 2 34 100.0 1 2.9 8 23.5 9 26.5 4 11.8 3 8.8 5 14.7 - 49 100.0 4 8.2 14 28.6 10 20.4 5 10.2 5 10.0 5 10.0 5 | McCone | 41 | 100.0 | 7 | 17.1 | | 34.1 | | 26.8 | 2 | 4.9 | 2 | 4.9 | 2 | • | 1 | 0.0 | - | 2.4 | i | 0.0 | 2 | 6.1 |
| rer 34 100.0 1 2.9 8 26.5 4 11.8 3 8.8 5 14.7 - ral 49 100.0 4 8.2 14 28.6 10 20.4 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 5 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10. | Madison | 64 | 100.0 | ಬ | 12.5 | 17 | 26.6 | 21 | 32.8 | | 10.9 | 2 | 3.1 | r | 4.7 | (\) | 174 60 | 1 | 0.0 | ı | 0.0 | < | 6.2 |
| cal 49 100.0 4 8.2 14 28.6 10 20.4 5 10.2 5 10.2 5 10.2 5 10.2 6 12.2 2 20.4 5 10.2 6 10.2 6 10.2 6 12.2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 4 4 3 3 4 4 3 3 4 4 3 | Meagher | 34 | 100.0 | | 2.9 | | 23.5 | 6 | 26.5 | | 11.8 | ന | 8 | ٧) | 14.7 | ı | 0.0 | t | 0.0 | 1 | 0.0 | 27 | 11.8 |
| outlate 1063 100.0 153 14.4 419 39.4 292 27.5 94 8.8 48 4.5 27 2.5 8 alchell 59 100.0 3 5.1 15 25.4 16 27.1 6 10.2 9 15.3 5 8.5 1 olong 21 12.9 55 33.7 50 30.7 11 6.7 1 6.7 5 3.1 5 olong 1 11.1 4 44.4 3 33.3 - 0.0 - 0.0 - 0.0 - lips 97 100.0 3 8.2 36 37.1 25 25.8 11 11.3 8 8.2 3 3 1 | Mineral | 49 | 100.0 | 77 | 8.2 | 57 | 28.6 | 9 | 20.4 | L/) | 10.2 | VΥ | 10.2 | 9 | 12.2 | 2 | 4.1 | 2 | 4.1 | н | 2.0 | 1 | 0.0 |
| ltps 97 100.0 | | 1053 | 100.0 | 153 | 14.4 | 419 | 39.4 | 292 | 27.5 | 3/6 | 8 | 848 | 4.5 | 27 | 2.5 | တ | 8.0 | ထ | 0.3 | 7 | 0.4 | 1.0 | 6.0 |
| 163 100.0 21 12.9 55 33.7 50 30.7 11 6.7 11 6.7 5 3.1 5 10.0 1 11.1 4 44.4 3 33.3 - 0.0 - 0.0 - 0.0 - 0.0 - 1.0 0.0 1 11.1 25 25.8 11 11.3 8 8.2 3 3.1 2 | Musselshell | 59 | 100.0 | m | 5.1 | | 25.4 | 16 | 27.1 | | 10.2 | 6 | 15.3 | 2 | 8.5 | | 1.7 | ന | 5.1 | I | 0.0 | ન | 1.7 |
| n 9 1.00.0 1 11.1 4 44.4 3 33.3 - 0.0 - 0. | Park | 163 | 100.0 | 2.1 | 12.9 | | 33.7 | 20 | 30.7 | 11 | 6.7 | 11 | 6.7 | 2 | 3,1 | 2 | 3.1 | 2 | 1.2 | 1 | 0.0 | 3 | 1.8 |
| 97 100.0 8 8.2 36 37.1 25 25.8 11 11.3 8 8.2 3 3.1 2 | Petrologa | 0 | 1.00.0 | н | 11.1 | ** | 44.4 | 3 | 33.3 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | ı | 0.0 | Н | 11.1 | 1 | 0.0 | ı | 0.0 |
| | Phillips | 16 | 100.0 | က | 8.2 | 36 | 37.1 | 25 | 25.8 | | 11.3 | Ø | • | က | 3.1 | 2 | 2.1 | н | 1.0 | - | 1.0 | 2 | 2.1 |

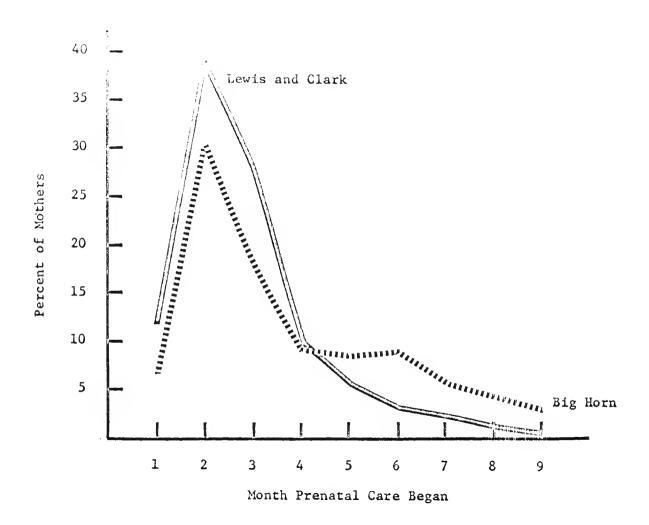
LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN, CONTINUED Montana Counties, 1968 (Mothers who deliverd in Montana and were residents of Montana)

| Statistic Stat | The state of the s | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------|--------|-----|------|-----|------|-----|------|-----|------|--------|------|----|-----|-----|------|----|--------------|---|-----|-----|------|
| 100.0 1.0 1.0 1.0 2 100.0 2 | | Total | | - | | 2 | | m | | 4 | | ر د | | 9 | | 7 | | 00 | | ō | | 2 2 | t t |
| 13 100.0 11 9.7 33 29.2 40 35.4 10 4.4 1.8 4.4 1.8 4.4 1.8 1.0 | Ĭ | 0 | 1 | | % | No. | % | | % | | % | | | | % | 1 . | 8% | | 24 | | | No. | 8 |
| 44 100.0 3 6.8 12 29.5 8 18.2 4 9.1 2 4.5 0.00 0 0 0 0 0 0 1 2.3 1 1 1 4 9.1 2 4.5 0 | 1 | | 100.00 | 11 | 9.7 | 33 | 1 | 40 | 35.4 | 10 | | 9 | | 5 | 4.4 | 2 | 1.8 | 7 | | 1 | 0.0 | 5 | |
| 10 10 10 10 11 12 12 12 | | | 100.0 | ಣ | 6.8 | 12 | | | 29.5 | 8 | 18.2 | 7 | 9.1 | 2 | | 1 | 0.0 | 1 | 0.0 | ٦ | 2.3 | 1 | 2.3 |
| 100 100 100 110 | | | 100.00 | 7 | 7.4 | | | | 24.5 | | 18.1 | 8 | 8.5 | m | 3.2 | n | 3.2 | 7 | 2.1 | | 1.1 | 77 | 4.3 |
| 196 100.0 26 13.6 3.5 2.6 2.6 2.6 2.6 3 4.6 5 5.6 5 5.6 5 5.6 5 3.1 0.6 5 5 3 1.0 0.0 | | | 100.00 | e | 15.0 | 9 | | | 20.0 | | 15.0 | 2 | 10.0 | П | 5.0 | 7 | 5.0 | 1 | 0.0 | ı | 0.0 | ı | 0.0 |
| 134 100.0 6 3.8 3.5 2.2.0 4.5 2.8.1 2.8 1.7.6 11, 3 10 6.3 8 5.0 3. 1.9 1.9 1.9 6.2 1.5 1.9 | <u>~</u> | | 0.001 | 26 | 13.3 | 72 | | | 27.6 | 19 | 9.7 | 6 | 9.4 | 2 | 2.6 | 2 | 2.6 | 9 | 12.) 14.4 | 1 | 0.0 | 1 | 0.0 |
| 226 100.0 21 9.4 40 17.9 61 27.2 31 4.9 14 6.2 15 6.7 7 3.1 6.7 7 3.1 3.1 3.1 3.2 14.3 11.3 11.3 11.3 12 3.2 3.1 3.1 3.1 2.8 20.9 23 17.2 11 8.2 7 5.2 8 6.0 6.0 6.0 6.7 7 3.2 3.2 3.2 3.2 3.2 3.2 3.2 4.8 3.4 6.0 | | | 100.00 | 9 | 3.8 | | | | 28.3 | | 17.6 | 18 | 11.3 | 10 | 6.3 | 8 | 5.0 | n | 1.9 | П | 9.0 | 2 | 3.1 |
| 134 100.0 5 3.7 3.1 3.3.1 28 20.9 23 17.2 11 8.2 7 5.2 6.0 6 4.5 3 4.8 | | | 100.0 | 21 | 7.6 | 4,0 | | 61 | 27.2 | | 14.3 | 11 | 4.9 | 14 | 6.2 | 15 | 6.7 | 7 | 3.1 | 9 | 2.7 | 17 | 7.6 |
| 62 100.0 10 16.1 21 3.5 11.3 2 3.2 3.4 4.8 4.8 4.8 4.8 4.8 6.0 0.0 | ~ | | 100.00 | 5 | 3.7 | 31 | 23.1 | 28 | 20.9 | | 17.2 | 11 | 8.2 | 7 | 5.2 | œ | 0.9 | 9 | 4.5 | 3 | 2.2 | 12 | 9.0 |
| 760 100.0 62 8.7.5 11.9 3 4.5.5 3 4.5.5 11.9 3 4.5.5 3 4.5.5 11.5 <td></td> <td></td> <td>100.00</td> <td>10</td> <td>16.1</td> <td></td> <td></td> <td>16</td> <td>25.8</td> <td></td> <td>11.3</td> <td>2</td> <td>3.2</td> <td>n</td> <td>4.8</td> <td>Ω</td> <td>8.17</td> <td>1</td> <td>0.0</td> <td>1</td> <td>0.0</td> <td>ı</td> <td>0.0</td> | | | 100.00 | 10 | 16.1 | | | 16 | 25.8 | | 11.3 | 2 | 3.2 | n | 4.8 | Ω | 8.17 | 1 | 0.0 | 1 | 0.0 | ı | 0.0 |
| 760 100.0 6 8.6 8.6 8.6 30 3.9 13 1.7 10 1.3 5 0.0 1 1.7 1 1.7 1 1.7 1 2 3 <th< td=""><td></td><td></td><td>0.001</td><td>5</td><td>7.5</td><td>27</td><td></td><td>17</td><td>25.4</td><td></td><td>11.9</td><td>9</td><td>4.5</td><td>Ω</td><td>4.5</td><td>Н</td><td>1.5</td><td>-</td><td>1.5</td><td>1</td><td>0.0</td><td>2</td><td>3.0</td></th<> | | | 0.001 | 5 | 7.5 | 27 | | 17 | 25.4 | | 11.9 | 9 | 4.5 | Ω | 4.5 | Н | 1.5 | - | 1.5 | 1 | 0.0 | 2 | 3.0 |
| 60 100.0 4 6.7 20 33.3 17 28.3 8 13.3 5.0 2 3.3 5.0 2 3.3 5.0 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1 1.7 1 1 1.7 1 1 1.7 1 1 1.7 1 1 1.7 1 1 1.7 1 1 1.7 1 <td></td> <td></td> <td>100.0</td> <td>62</td> <td>8.2</td> <td></td> <td></td> <td>256</td> <td>33.7</td> <td>75</td> <td>6.6</td> <td>65</td> <td>8.6</td> <td>38</td> <td>3.9</td> <td>13</td> <td>1.7</td> <td>10</td> <td>1.3</td> <td>5</td> <td>0.7</td> <td>7</td> <td>0.9</td> | | | 100.0 | 62 | 8.2 | | | 256 | 33.7 | 75 | 6.6 | 65 | 8.6 | 38 | 3.9 | 13 | 1.7 | 10 | 1.3 | 5 | 0.7 | 7 | 0.9 |
| 43 100.0 2 4.7 1 32.6 10 23.3 3 7.0 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 - 0.0 2 4.7 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 | | | 100.0 | 47 | 6.7 | | | 17 | 28.3 | 80 | 13.3 | m | 5.0 | 7 | 3,3 | e | 5.0 | H | 1.7 | - | 1.7 | | 1.7 |
| 70 100.0 5 7.1 18 25.7 20 28.6 8 11.4 7 10.0 5 7.1 1 1.4 - 0.0 - 0.0 - 0.0 - 0.0 - 0.0 1 1.4 - 0.0 1 1.1 4 16 100.0 1 15.7 2 25.2 2 12.5 2 12.5 2 2.2 4 4.5 - 0.0 1 1.1 4 16 100.0 18 6.2 3 12.5 1 2 12.5 2 12.5 4 4.5 - 0.0 1 1 4 1 4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 | | | 100.0 | 7 | 4.7 | | | 10 | 23.3 | | 23.3 | ٣ | 7.0 | 1 | 0.0 | 71 | 4.7 | ı | 0.0 | ı | 0.0 | 2 | 4.7 |
| 89 100.0 14 15.7 30 33.7 25 28.1 5.6 4 4.5 2 2.2 4 4.5 2 2.2 4 4.5 2 2.6 4 4.5 5.6 4 4.5 5.6 4 4.5 5.0 1 6.7 7 0.0 1 6.2 9 37.5 12.1 19 6.6 4 1.4 4 4 1.4 4 4 4 4 4 | | | 100.00 | 2 | 7.1 | 18 | 25.7 | 20 | 28.6 | co | 11.4 | 7 | 10.0 | 'n | 7.1 | ⊣ | 1.4 | ı | 0.0 | ı | 0.0 | 9 | 8.6 |
| 16 100.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 1 6.0 4 1.4 4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 | | | 100.0 | 14 | 15.7 | 30 | | | 28.1 | V) | 5.6 | 7 | 4.5 | 2 | 2.2 | 4 | 4.5 | ı | 0.0 | П | 1.1 | 7 | 4.5 |
| 289 100.0 18 6.2 93 32.2 108 37.4 35 12.1 19 6.6 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 1.4 4 4 1.4 4 4 1.4 4 4 1.4 4 4 1.4 4 <td></td> <td></td> <td>100.0</td> <td>1</td> <td>0.0</td> <td>۳)</td> <td>18.8</td> <td>77</td> <td>25.0</td> <td>9</td> <td>37.5</td> <td>2</td> <td>12.5</td> <td>ı</td> <td>0.0</td> <td>-</td> <td>6.2</td> <td>ı</td> <td>0.0</td> <td>ı</td> <td>0.0</td> <td>1</td> <td>0.0</td> | | | 100.0 | 1 | 0.0 | ۳) | 18.8 | 77 | 25.0 | 9 | 37.5 | 2 | 12.5 | ı | 0.0 | - | 6.2 | ı | 0.0 | ı | 0.0 | 1 | 0.0 |
| 45 100.0 3 14.3 6.7 2 4.4 - 0.0 3 6.7 1 2.2 - 0.0 3 6.7 1 2.2 - 0.0 0 0 0 0 0 1 4.8 1 4.8 - 0.0 1 4.8 1 4.8 1 4.8 1 4.8 1 4.7 36 2.6 11.4 84 6.0 65 4.7 36 2.6 14 1.0 3 0.2 25 1 | 2 | | 1.00.0 | 18 | 6.2 | | | 103 | 37.4 | | 12.1 | 19 | 9.9 | 4 | 1.4 | 7 | 1.4 | 2 | 0.7 | 2 | 0.7 | 4 | 1,4 |
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| | 13 | | 100.00 | 156 | 11.2 | 536 | 38 | 313 | | 159 | 11.4 | 178 | 0.9 | 65 | 4.7 | 36 | • | 14 | 1.0 | 3 | 0.2 | 25 | |

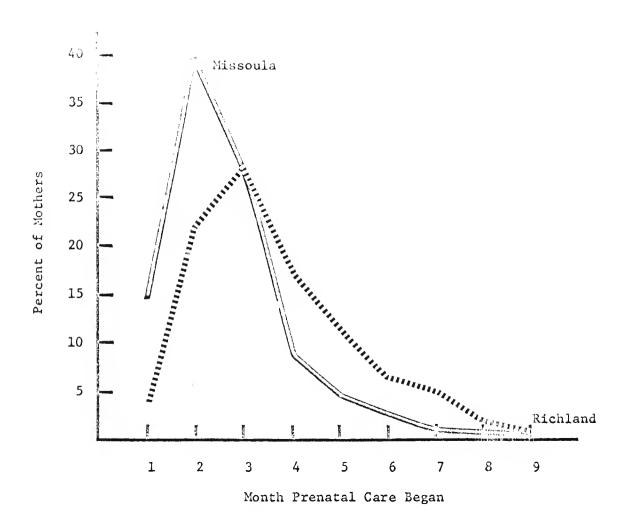
PERCENT OF LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN: Gallatin and Glacier Counties, 1968



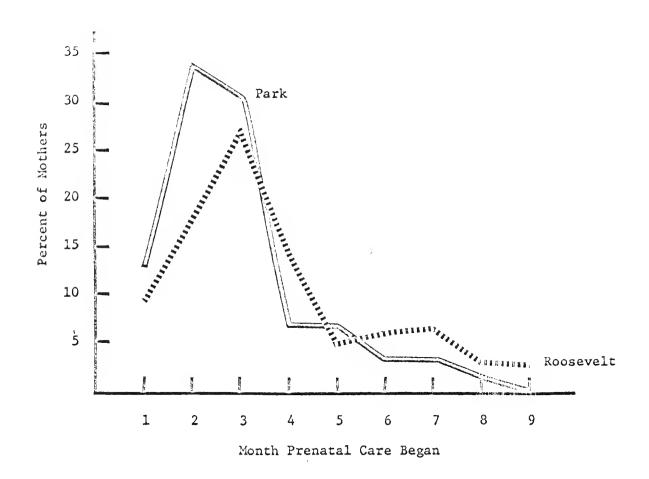
PERCENT OF LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN: Big Horn and Lewis and Clark Counties, 1968



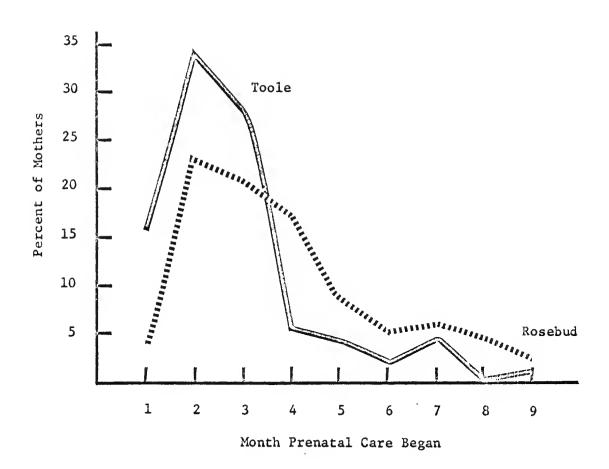
PERCENT OF LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN: Missoula and Richland Counties, 1968



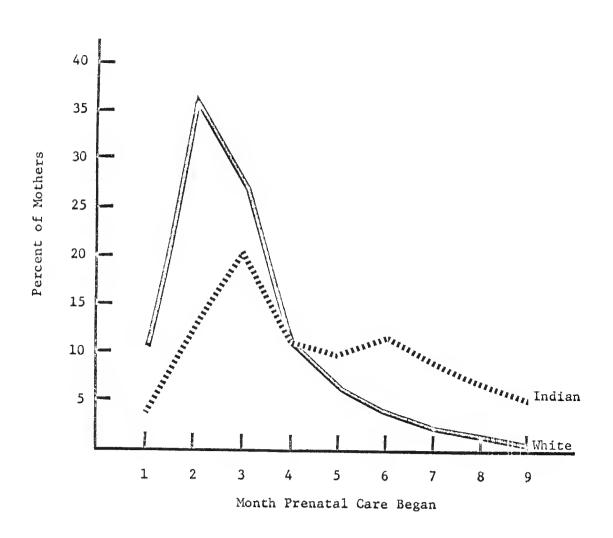
PERCENT OF LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN: Roosevelt and Park Counties, 1968



PERCENT OF LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN: Rosebud and Toole Counties, 1968

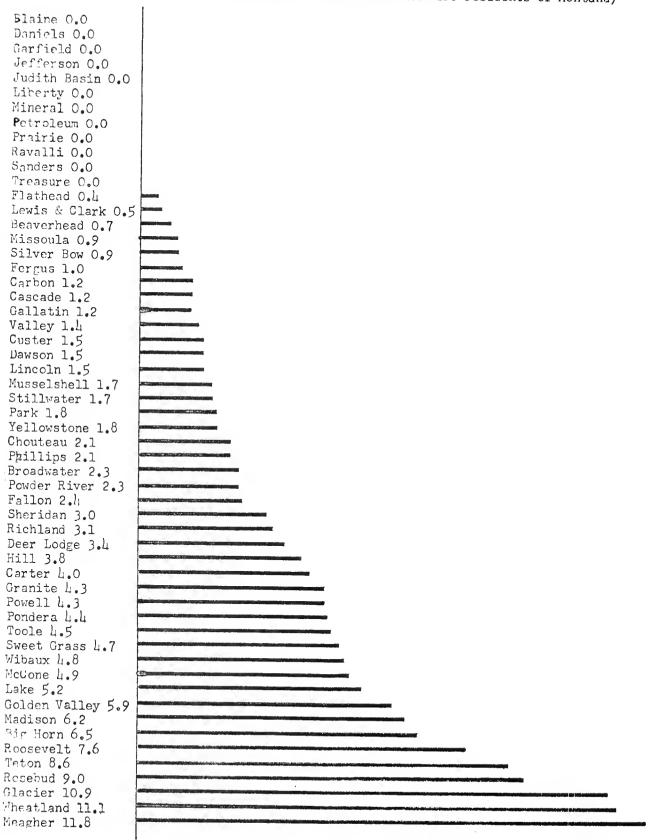


MONTH PRENATAL CARE BEGAN BY RACE OF MOTHER: Montana, 1968 (Montana residents delivered in Montana)



MONTH PRENATAL CARE BEGAN BY RACE OF MOTHER Montana, 1968 (Montana residents who delivered in Montana)

| Month Prenatal | Total | a1 | White | o. | Indian | | 0the | Other and |
|-------------------|--------|---------|--------|---------|--------|---------|--------|-----------|
| Care Began | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Tota1 | 11,733 | 100.0 | 10,835 | 100.0 | 816 | 100.0 | 82 | 100.0 |
| H | 1,162 | 6.6 | 1,128 | 10.4 | 30 | 3.7 | 7 | 6.4 |
| 7 | 3,994 | 34.0 | 3,871 | 35.7 | 101 | 12.4 | 22 | 26.8 |
| ĸ | 3,163 | 27.0 | 2,971 | 27.4 | 166 | 20.3 | 26 | 31.7 |
| 4 | 1,310 | 11.2 | 1,208 | 11.1 | 06 | 11.0 | 12 | 14.6 |
| 5 | 792 | 8.9 | 705 | 6.5 | 79 | 9.7 | 80 | 8.6 |
| 9 | 505 | 4.3 | 406 | 3.7 | 76 | 11.5 | 5 | 6.1 |
| 7 | 295 | 2.5 | 223 | 2.1 | 72 | 8.8 | ı | 0.0 |
| 8 | 179 | 1.5 | 123 | 1.1 | 55 | 6.7 | н | 1.2 |
| 6 | 83 | 0.7 | 41 | 0.4 | 42 | 5.1 | ı | 0.0 |
| Not Stated | 250 | 2.1 | 159 | 1.5 | 87 | 10.7 | 4 | 4.9 |
| | | | | | | | | |



LENCTH OF GESTATION BY WEEKS LIVE BIRTH - MONTANA RESIDENTS - 1968

CGUNTIES

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| ()) | 1301 9 2 1 2 2 4 5 3 10 15 27 21 39 234 | 5 3 3 | - 0 |
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COUNTIES Item 25d

Congenital Malformations

| | Total | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | |
|---------------------|-------|----------------|--------------|----------------|--------------|-------------|--------------|----------------|----------------|--------------|-------------|---|
| Beaverhead | 3 | 1 - | 1 | - | 1 1 | 5 1 | - | 1 - | - | T = | _ | |
| Big Horn | 7 | 1 | - | _ | - | - | 3 | 1 | - | _ | 2 | |
| Blaine | 1 | _ | - | _ | - | _ | | - | _ | - | 1 | |
| Broadwater | 1 | 1 - | - | - | _ | _ | | | - | - | 1 | |
| Carban | 2 | - | 1 | - | - | _ | _ | _ | _ | - | 1 | 1 |
| Carter | - | _ | - | | - | _ | _ | | | | _ | |
| Cascade | 15 | 4 | 1 | | 1 | 1 | 2 | | † - | | -5 | |
| Chouteau | 3 | | | | 1 | _ | | T | | - | | |
| Custer | 2 | _ | - | | - | _ | - | | | _ | 3 | |
| Daniels | 1 | - | | | _ | _ | _ | 7 | _ | - | - | |
| Dawson | _ | - | - | - | - | | _ | _ | _ | _ | _ | |
| Deer Ladge | _ | | - | - | - | | ·- | | - | | - | |
| Fallon | - | | _ | _ | | _ | _ | - | _ | - | - | |
| Fergus | 7 | | _ | | _ | _ | _ | _ | 1 | - | _ | |
| Flathead | 4 | _ | 1 | _ | | 1 | _ | _ | - | - | 2 | |
| Gallatin | 5 | _ | - | 1 | _ | | - | _ | | _ | Žį. | |
| Garfield | _ | | - | _ | - | _ | _ | - | | - | - | |
| Glacier | 5 | 2 | - | 1 | - | _ | - | _ | ***** | - | 2 | |
| Galden Valley | _ | - | - | - | _ | _ | - | - | _ | _ | - | |
| Granite | 1 | _ | | _ | _ | _ | - | _ | 1 | - | - | |
| нш | 6 | _ | _ | l | - | _ | | 1 | -+ | _ | 4 | |
| Jefferson . | 1 | - | - | _ | - | _ | _ | _ | B.O. | - | 1 | |
| Judith Basin | | | - | - | - | _ | _ | _ | - | - | - | |
| Lake | 4_ | | | 1 | _ | - | 1 | _ | - | | 2 | |
| Lewis & Clark | 7 | 1 | _ | | - | - | 1 | 2 | _ | - | 3 | |
| Liberty | | | _ | - | - | - | - | | - | | _ | |
| Lincoln | 6 | | - | | - | . 2 | - | | 1 | | 3 | |
| McCone | | | - | | - | _ | | - | | - | | |
| Madisan | 3 | | - | 1 | 1 | | - | | | - | 1 | |
| Meagher | ĭ_ | | | ļ <u> </u> | | | 1 | | | | - | |
| Mineral | | | | | | | | - | | | | |
| Missaula | 3 | 1-1- | . 1 | - | ·- | 1 | 1 | 2 | | | 3 | |
| Musselshell | 3 | 1_1_ | - | | | | 2 | | | | - | |
| Park . | 4 | ļ - | 1 | | | | | | | _ | 2 | |
| Petraleum | | - | | <u>-</u> | | | - | | | | - | |
| Phillips | 1 | | | 1 | | = | | | | | | ļ |
| Pondera | - | - | | - | | | | | | ** | | |
| Pawder River | 1 | 1 | | | = | | | | _ | •N | - | |
| Pawell | 1-1- | | | - | | - | | | | | 1 | |
| Prairie 5 | - | | | - | | | | - | | *** | - | |
| Kavalli B:-Ll1 | 5 | 1 1 | | | _1 | | - | | | | 2 | |
| Richland : | 4 | | | | _ | | | | | F' | 1 | |
| Raasevelt | 3 | | | | | 1_ | - | | 1 | | | |
| Rasebud Sanders | 1 | - | - | | | | | | | | | |
| Sanders Sheridan | 1 | 1 | | | | | | | | | | |
| Silver Bow | 3 9 | - | | | - | | | 1-1 | ~ | | 2 | |
| Stillwater | | 2 | | | | 1 | 2 | 2 | 1 | | | |
| Sweet Grass | - | - | - | | | | | - | | | | |
| Teton | 1 | | | | | = - | - | | | *** | | |
| Taale | 2 | - | | | | 647 | ~ | | - | | 1 | |
| Treasure | - | | | | | | | 1-1-1 | | | | |
| Valley | 5 | | | | | | 2 | - | 7 | 7 | <u>-</u> | - |
| Wheatland | - | | | | | | | | | 1 | <u>-</u> | |
| Wibaux | _ | | | | | | - | | _ | | | |
| Yellowstone | 13 | 2 | 7 | λ ₊ | 7 | | | | | | 5 | |
| | | 18 | 7 | 12 | 6 | 8 | 18 | 14 | 6 | 1 | 1 | |
| TOTAL | 145 | | | 7.5 | U | | T17 | T.++ | U | 7 | 55 | |
| | | | | | | | | | | | | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Congenital Malformations

| | Total | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 7.1 | |
|---------------|-------|--------------|--|--------------|----------------|--------------------|---|--------------|--------------|----------------|--------------|---|
| Beaverhead | 1 | _ | _ | T | T - | 7- | | | | T | 11 | 1 |
| Eig Horn | 4 | _ | | | | | | 1 | | | <u> </u> | |
| Bloine | 2 | _ | - | | - | - | | - | | | 4 | |
| Broadwater | _ | - | | | | | 1 | <u> </u> | | - | - | |
| Corbon | 2 | 1 | | | - | | - | | - | | - | |
| Corter | - | - | | | | | - | - | 1 | - | | |
| Cascade | 18 | 3 | 2 | | - | | - | - | | - | | |
| Chouteou | 1 | - | | 2 | 1 | 11 | 2 | 2 | | | 5 | |
| Custer | 2 | - | | - | _ | ļ - - - | - | 1 1 | - | | | |
| Doniels | _ | _ | | - | - | | - | - | | - | 2 | |
| Dowson | 1 | - | - | - | | - | | - | | - | - | |
| Deer Ladge | 3 | 1 | | 11 | | - | - | - | | | - | |
| Fallon | 1 | | | | | - | 1 | | | | 1 | |
| Fergus | 3 | 1 | | | 1 | | | - | | - | - | |
| Flatheod | 17 | 1 | 2 | 2 | 1 | - | 1 | - | | - | 2 | |
| Gollatin | 5 | 2 | | 1 | | | 1 | 3 | | 1 | 6 | - |
| Garfield | 1 | | - | | | - | 1 | | | - | 1 | |
| Glacier | 2 | _ | | 1 | | | | - | - | - | 1 | |
| Golden Volley | | | | | | | - | - | 11 | - | | - |
| Granite | 1 | 1 | | | | | - | - | | _ | - | |
| Hill | 6 | | | 1 | 2 | | | - | 1 | | - 1 | |
| Jefferson | 1 | _ | | | - | = | <u> </u> | 1 | 1 | | 1 | - |
| Judith Bosin | | _ | | | | | - | 1 - | | | - | |
| Lake | 2 | _ | _ | _ | 1 | _ | | | | | - | |
| Lewis & Clark | 8 | 3 | _ | 1 | 1 | | 1 | 2 | | | 1 | _ |
| Liberty | 2 | | _ | | - | _ | - | 2 | | | | |
| Lincoln | 6 | | 2 | - | _ | _ | 1 | | | | 7 | |
| McCone | _ | _ | | _ | _ | _ | | _ | | | 3 | - |
| Madison | 2 | - | _ | | _ | | _ | 1 | | | 1 | - |
| Meogher | 1 | - | _ | - | _ | _ | | _ | | | 1 | |
| Mineral | 2 | _ | _ | 1 | | 1 | _ | | | | _ | |
| Missaulo | 9 | 2 | - | - | | 2 | 2 | _ | | 2 | 1 | |
| Musselshell | _ | - | - | _ | _ | _ | | _ | | _ | - | |
| Pork | 3 | 1 | _ | _ | - | _ | _ | _ | _ | | 2 | |
| Petroleum | - | _ | _ | | _ | _ | _ | _ | | - | - | |
| Phillips | 1 | _ | - | _ | _ | 1 | _ | | | | _ | |
| Pondera | 3 | - | _ | - | 1 | | - | 1 | _ | | 1 | |
| Powder River | 1 | - | _ | _ | _ | _ | 1 | _ | _ | _ | - | |
| Powell | | _ | - | _ | _ | _ | _ | - | _ | - | - | |
| Proirie | - | _ | | - | - | - | _ | _ | _ | _ | - | |
| Rovolli | 2 | | _ | _ | - | _ | - | | | | 2 | |
| Richland | 3 | | | - | 1 | _ | _ | _ | _ | | 2 | |
| Raosevelt | 3 | _ | - | - | 1 | _ | 1 | - | - | - 1 | 1 | |
| Rosebud | 2 | _ | | | | _ | _ | _ | - | - 1 | 2 | |
| Sanders | _ | _ | | - | | | _ | - | _ | | - | |
| Sheridon | _ | _ | | _ | _ | _ | _ | _ | _ | | | |
| Silver Bow | 10 | 2 | _ | 3 | 1 | 1 | 1 | _ | _ | 1 | 1 | |
| Stillwoter | | - | | _ | | _ | _ | | | - | - | |
| Sweet Grass | | - | _ | | _ | _ | _ | - | - | | - 1 | |
| Teton | | - | _ | _ | _ | _ | - | - | - 1 | | - | |
| Toole | - | _ | | - | - | - | - | - | - | ~ | - | |
| Treosure | | | - | _ | - | | - | - | - | - | - 1 | |
| Valley | 3 | | - | 1 | - | 1 | _ | - | - | - | 1 | |
| Wheatland | | - | - | - | - | - | - | | - | - | - 1 | |
| Wiboux | | | - | _ | - | _ | - | | _ | | - 1 | |
| Yellowstone | 14 | 2 | 1 | 2 | - | 1 | 2 | - | 2 | 1 | 3 | |
| TOTAL | 148 | 20 | 7 | 16 | 11 | 8 | 15 | 16 | 5 | 5 | 45 | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Operations

| Betweeheed | | Total | 1 | 2. | 3 | 4 | 5 | 6 | 7 | 0 | O | 1 1 | |
|--|---------------|--------------|-------------|----------------|-------------|-------------|---------------------------------------|----------|-------------|-------------|--------------|------------|--|
| Big Horn 13 | Begyarhaad | | | | | | | 6 | 7 | 8 | 9 | 11 | |
| Bloine 13 | | | | | | | | | | | | | |
| Broadwater Corbon 7 1 - - 2 1 - - 1 2 - | - | | | + | | + | + | | | | - | | ļ |
| Carbon | | | | | + | | | + | | + | | | |
| Carter | | | | | | 1 | | 1 | | 1 | 2 | | |
| Cascede | | | | - | | | | | | | | ļ <u>-</u> | |
| Chaster Custer Custe | | | | - | | | | | | | - | | |
| Custer 22 9 10 1 - 2 - | | | | - | | 1 | 69 | 3 | 3 | | 11 | | |
| Daniels | | | | <u> </u> | - | _ | | _ | | 3 | | | |
| Dawson | | | | | | | | 1 | | 2 | <u> </u> | | ļl |
| Deer Lodge | | | | | | <u> </u> | | | - | | | - | |
| Faillon Fergus 16 9 10 2 10 | | | | 2 | - | | | - | 11 | | | <u> </u> | |
| Fergus | - | | | | | | 1 | <u> </u> | - | 23 | | | |
| Flethead 154 26 2 - 2 97 2 3 16 6 - | | | | | | | 2 | | | 10 | | | |
| Gallatin Garfield Gar | | | | | | | 3 | | - | 22 | 11 | | |
| Corfield 9 3 6 | | | | | | 2 | 97 | 2 | 3 | 16 | 6 | | |
| State | | 220 | 15 | 2 | 1 | 11 | 123 | 11 | | 41_ | 25 | 111 | |
| Golden Volley 7 3 4 | | | 3 | | | | 6 | _ | | _ | | _ | |
| Golden Valley 7 3 3 4 | | 11 | | | - | - | 2 | _ | 1 | 4 | _ | | |
| Granite Hill 36 13 5 2 - 12 3 1 Jefferson 10 3 5 2 - 12 3 1 Judith Bosin Loke S5 8 2 1 1 16 2 2 2 Lewis & Clark Liberty 16 - 1 1 66 9 - 16 1 Licerty 16 - 1 8 - 7 - 7 Lincoln 28 11 8 - 7 NcCane 5 2 1 0 1 NcCane 5 2 1 0 1 Nadison 8 1 3 3 1 Nadison 8 1 3 3 1 Nineral 10 2 7 1 Nissoulo Musselshell 17 2 1 6 1 Pork 23 8 1 6 1 Pork 23 8 1 6 1 | Golden Valley | 7 | 3 | _ | _ | - | 4 | | | | _ | | |
| Hill 36 13 - | | | 3 | _ | _ | 1 | 2 | 3 | | | 1 | | |
| Judith Bosin | | 36 | 13 | _ | | _ | | , | | | 3 | | |
| Judith Basin | effersan | 10 | 3 | - | _ | | 5 | _ | - | | _ | _ | |
| Loke Lewis & Clark 119 | Judith Basin | 6 | 1 | | _ | _ | | 1 | _ | | _ | - | |
| Lewis & Clark Liberty 16 - 1 8 7 | Loke | 35 | | 2 | 1 | 1 | | | | | | | |
| Liberty Lincoln 28 11 8 7 | Lewis & Clark | | 26 | | | 1 | | | | | | | |
| Lincoln 28 | Liberty | | | 1 | | | | | - | | | _ | |
| Nectone S 2 - | | | 11 | | | | | t | | | | | |
| Medison 8 1 - - 3 1 - - - 3 1 - </td <td>Cone</td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Cone | 1 | | | 1 | | | | | | | | |
| Meagher 3 1 - </td <td>Wadisan</td> <td></td> | Wadisan | | | | | | | | | | | | |
| Mineral 10 2 - - 7 - - 1 - - Missoula 146 40 2 - 4 97 2 - - 1 - - 1 - - - 1 - | vieagher | | 1 | _ | _ | _ | + | _ | | | | _ | |
| Missaula 146 40 2 - 4 97 2 - - 1 - Park 23 8 - - 15 - | - | 10 | | _ | _ | _ | 7 | _ | _ | + | _ | | |
| Musselshell | Missaula | | | 2 | | 4 | | 2 | _ | | 1 | _ | |
| Park 23 8 - - 1 6 1 - 6 1 - Petroleum 3 - < | | - | | | | | | | _ | _ | | _ | |
| Petroleum 3 | | | | | | 1 | | | _ | 6 | | - | |
| Phillips | Petroleum | | | | | | | | _ | | | | |
| Pondera 21 9 - - 11 1 - | Phillips | | | | | | | | | | | | |
| Powder River 4 2 - - - 1 1 - <t< td=""><td>Pondera</td><td></td><td></td><td></td><td></td><td></td><td> </td><td></td><td>_</td><td></td><td></td><td>_</td><td></td></t<> | Pondera | | | | | | | | _ | | | _ | |
| Powell 3 1 - - 2 - <td>owder River</td> <td></td> | owder River | | | | | | | | | | | | |
| Proirie 5 1 - - 2 - - 2 - </td <td></td> | | | | | | | | | | | | | |
| Rovalli 23 12 - - - 9 - 1 1 - - Richland 42 3 - - 2 34 1 2 - | Prairie | | | | | | | _ | | | | | |
| Richland 42 3 - - 2 34 1 2 - | | 23 | | _ | | _ | · · · · · · · · · · · · · · · · · · · | _ | 7 | | | _ | |
| Roasevelt 20 9 - - 1 7 3 - - - - Rosebud 13 5 - - - 5 - 2 1 - - Sanders 12 6 - - - 2 1 - - Sheridan 2 2 - | | | | | | | | | | | | | |
| Rosebud 13 5 5 - 2 1 Sanders 12 6 2 1 - 2 1 Sheridan 2 2 1 23 - 1 32 1 1 Stillwater 13 3 1 2 1 | | 1 | | | | | | | | | | | |
| Sanders 12 6 - - 2 1 - 2 1 - 2 1 -< | | | | | | | | i | | | | | |
| Sheridan 2 2 -< | | | | | | | | | | | 1 | | |
| Silver Bow 88 29 - - 1 23 - 1 32 1 1 Stillwater 13 3 - - - 10 - - - - - Sweet Grass 5 1 - - 1 2 1 - - - Teton '7 2 - - 1 3 - - 1 - - Toole 11 5 - - - 4 - - 2 - - Treasure 2 - - - 2 - - - - Valley 83 12 - - 2 62 1 3 1 2 - Wheatland 5 2 - - 2 1 - - - - | | | | | | | | | | | | | |
| Stillwater 13 3 - - - 10 - - - - - Sweet Grass 5 1 - - 1 2 1 - - - - Teton '7 2 - - 1 3 - - 1 - - Toole 11 5 - - - 4 - - 2 - - Treasure 2 - - - 2 - - - - Valley 83 12 - - 2 62 1 3 1 2 - Wheatland 5 2 - - - 2 1 - - - - | | | | | | | | | | | | | |
| Sweet Grass 5 1 - - 1 2 1 - - - - Teton '7 2 - - 1 3 - - 1 - - Toole 11 5 - - - 4 - - 2 - - Treasure 2 - - - 2 - - - - Valley 83 12 - - 2 62 1 3 1 2 - Wheatland 5 2 - - - 2 1 - - - | 1 | | | | | | | | | | | | |
| Teton '7 2 1 3 1 Toole 11 5 4 2 1 Treasure 2 2 | | | | | | | | | | | | | |
| Toole 11 5 4 2 Treasure 2 2 | | | | | | | | | | | | | |
| Treasure 2 - - - 2 - - - Valley 83 12 - - 2 62 1 3 1 2 - Wheatland 5 2 - - - 2 1 - - - | | | | | | | | | | | | | |
| Valley 83 12 - - 2 62 1 3 1 2 - Wheatland 5 2 - - - 2 1 - - - | | | | | | | | | | | | | |
| Wheatland 5 2 2 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | - | 7.6 | | 7(| | | | | |
| Yellowstone 543 57 1 3 16 431 26 3 6 | ellowstone | 543 | 5/ | | 3 | 16 | 431 | 26 | 3 . | 6 | | | |
| TOTAL 2204 445 12 5 49 1242 68 20 309 51 3 | TOTAL | 2204 | 445 | 12 | 5 | 49 | 1242 | 68 | 20 | 309 | 51 | 3 | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Prophylaxis

| 000011123 | | | | | | | | Not | | | | |
|---------------|-------|------|------|-------------|----------------|--------------|----------------|----------------|--|--------------|--|--|
| | Tota1 | 1 | 2 | 3 | 4 | 5 | 0 | Entere | ed | | | |
| Beaverhead | 142 | 82 | 57 | 1 | T - | T - | 2 | T - | Ī | | 1 | |
| Big Harn | 214 | 135 | 78 | | | | 1 | | | | + | |
| Blaine | 118 | 114 | 3 | 1 | | - | - | - | | | + | |
| Broadwater | 43 | 2 | 8 | 32 | <u> </u> | | 1 | _ | | - | | + |
| Carbon | 84 | 29 | 50 | 1 | | † <u> </u> | 4 | | | | | |
| Carter | 25 | 4 | 21 | - | | | | | | | 1 | |
| Cascode | 1618 | 825 | 777 | 9 | | - | 7 | | | | - | |
| Chouteau | 97 | 73 | 24 | | + | | | | | | | |
| Custer | 203 | 198 | 4 | 1 | - | | | | | + | | |
| Daniels | 27 | 7 | 19 | | | + - | | | | | | + |
| Dawson | 203 | 32 | 170 | - 1 | | | 1-1- | - | | | | |
| Deer Ladge | 206 | 203 | 2 | 1 | - | | - - | - | | | - | 1 |
| Fallon | 82 | 43 | 38 | 1_ | | | - | - | | + | | + |
| Fergus | | | | | | - | 1 | - | | | | |
| Flathead | 194 | 115 | 70 | 1 | | - | 8 | ļ <u>-</u> - | | | | |
| Gallatin | 678 | 250 | 418 | 3 | | | 7 | | | | | |
| Gorfield | 490 | 93 | 391 | 4_ | | | 2 | | | | | |
| Glacier | 31 | 30 | 1 20 | | | | | - | | | | |
| Galden Valley | 220 | 81 | 130 | 1 | - | | .8 | | | - | + | |
| Granite | 17 | 17 | - 20 | | <u> </u> | | | - | | | | |
| Hill | 46 | 16 | 29 | 1 | - | - | - | - | | - | - | |
| Jefferson | 287 | 267 | 18 | | - | - | 2 | - - | | <u> </u> | | |
| Judith Basin | 71 | 29 | 25 | 16 | | | 1 | - | ļ | | | |
| Lake | 38 | 21 | 17 | | | | - | | | | | |
| | 212 | 58 | 145 | | | <u> </u> | 9 | - - | | | | ļ |
| Lewis & Clork | 551 | 62 | 207 | 282 | | | - | ļ _ | ļ | | | |
| Liberty | 37 | 6 | 30 | | | - | 1 | | ļ | - | | 1 |
| Lincoln | 323 | 130 | 188 | 1_ | | - | 4 | | ļ | | - | |
| A'cCone | 41 | 16 | 23 | 2 | <u> </u> | <u> </u> | | - | <u> </u> | | ļ | |
| Madison | 64 | 11 | 51 | | | - | 2 | | ļ | | ļ | |
| Meagher | 34 | - | 22 | 7 | | <u> </u> | 5 | <u> </u> | | ļ | | |
| Mineral | 49 | 23 | 24 | | - _ | <u> </u> | 2 | | | <u> </u> | ļ | |
| Missaula | 1063 | 28 | 1025 | 2 | | - | 7 | 1 | | | | |
| Musselshell | 59 | 56 | 3 | | <u> </u> | ļ | - | | | | ļ | |
| Park | 163 | 4 | 156 | 1 | | | 2 | - | ļ | | | |
| Petraleum | 9 | 8 | 1 | | | <u> </u> | - | | - | | ļ | |
| Phillips | 97 | 31 | 65 | 1 | | | | | | | <u> </u> | - |
| Pandera | 113 | 4 | 105 | 1 | | | 3 | - | | | | |
| Pawder River | 44 | 39 | 5 | | | - | - | - | | 4 | | |
| Powell | 94 | 77 | 10 | 6 | | | 11 | <u> </u> | ļ | 4 | - | |
| Prairie | 20 | 18 | 2 | | | | - | - | | | | |
| Ravalli | 196 | 168 | 27 | _ | | | 1 | | | | | |
| Richland · | 159 | 93 | 65 | 1 | _ | - | | - | | | ļ | |
| Roasevelt | 224 | 190 | 32 | | | | 2 | | | | | |
| Rosebud | 134 | 114 | 17_ | 1 | | | 2 | - | | | | |
| Sanders | 62 | 3 | 59 | | | | | - | ļ | | | |
| Sheridan | 67 | 65 | 1 | | | | 1 | | | <u> </u> | | |
| Silver Baw | 760 | 738 | 16 | 5 | | | 11 | - | | <u> </u> | 1 | |
| Stillwater | 60 | 21 | 36 | 1 | | _ | 2 | | | 1 | ļ | |
| Sweet Grass | 43 | 36 | 7 | - | | | - | | | | | |
| Teton | 70 | 37 | 26 | _ | _ | _ | 7 | - | | | | |
| Taole | 89 | 67 | 17 | 1 | | _ | 4 | - | | | | |
| Treasure | 16 | 10 | 5 | _ | _ | - | 1 | - | | | | |
| Valley | 289 | 120 | 157 | 1 | | - | 11 | - | | | | |
| Wheatland | 45 | 41 | 1 | 1 | | - | 2 | - | | | | |
| Wibaux . | 21 | 3 | 18 | - | _ | - | - | - | | | | |
| Yellowstone | 1391 | 1356 | 21 | 4 | _ | 1 | 9 | - | | | | |
| TOTAL | | | | 20.1 | | 1 | 10/ | 7 | | | | |
| TOTAL | 11733 | 6299 | 4917 | 391 | | 1 | 124 | 1 | | | | |

| | TOTAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
|-----------------|-----------|-----------|------------------|---------|-----|------------------|--|--------------|---------------|--------------|--------------|-------------|---------------|
| Beaverhead | 1112 | 138 | 1 | - | 1 - | <u> </u> | | 2 | 1 | 1 | 1 | | |
| Eig Horn | 214 | 190 | 7 | _ | 1 | _ | 1_1_ | 7 | 8 | | - | | |
| Blaine | 3,0 | 99 | 1, | | | - | | | | - | | | |
| Braadwater | 43 | 42 | | | 11 | 1 | 1 | 5 | 7 | | | | |
| Carhan | 84 | 83 | _}_ | | | | | | - | + | | | |
| Carter | | | - | | | ļ - - | | 1 1 | | | - | | - |
| Cascade | 25 | 25 | | - | | - | | | | | + | | |
| Chouteau | 1618 | 1591 | - | 2 | | 11 | ļ <u>l</u> | 4 | 19 | | - | | - |
| | 97 | 89 | 8 | - | ~ | | | | | ļ | | 4 | - |
| Custer | 203 | 197 | _2 | - | - | - | - | 1 | | | | | - |
| Daniels | 27 | 27 | ~ | | - | | - | - | | | - | - | - |
| Dawson | 203 | 198 | | | 1 | 11 | 1 | 1 1 | 1 | | | | |
| Deer Ladge | 206 | 203 | 2 | - | 11 | | · - | _ | | | | | -1 |
| Fallan | 82 | 82 | - | _ | | _ | - | - | - | | | | |
| Fergus | 194 | 190 | 1 | 1 | | - | _ | 2 | _ | | | | |
| Flothead | 678 | 665 | 2 | 3 | _ | 2 | 1 | 4 | 1 | | | | |
| Gallatin | 490 | 476 | 1 | 2 | _ | 1 | - | 7 | 3 | | | | |
| Garfield | 31 | 31 | | - | _ | _ | _ | _ | *** | | | | |
| Glacier | 220 | 216 | ī | 1 | _ | _ | | 2 | | | 1 | | |
| Golden Valley | 17 | 15 | - | - | i | - | | | | | | | |
| Granite | 46 | 45 | | | | | 1 | | ļ <u>]</u> | - | 1 | _ | |
| Hill | 287 | 277 | 3 | 2 | | - | | 2 | () | 1 | | - | - |
| Jeffersan | | 69 | | | | - | | | 2 | | | - | - |
| Judith Basin | 71 | | | 1_1_ | | | | 1 | | - | - | - | - |
| Lake | 38 212 | 38 208 | - | - | | - | | 2 | + <u>-</u> - | - | - | - | - |
| | | | 1 | - | - | | - | 6 | - | - | - | - | - |
| Lewis & Clark | 551 | 537 | _ | 2 | 1. | - | 11 | | - | | - | - | - |
| Liberty | 37 | 36 | - | - | - | | | 1 | - | J | - | + | - |
| Lincoln | 323 | 320 | | 1 | - | 1 | | 1 | | | - | + | - |
| <i>k</i> 'cCone | 41 | 70 | | - | 1 | - | - | - | - | 1 | | | _ |
| Madison | 64 | 62 | 1 | - / | - | - | | 11 | - | | | | |
| Meagher | 34 | 32 | - | - | - | - | - | 2 | | | | | |
| Mineral | 1,9 | 48 | - | - | - | - | - | <u>l</u> | - | | | | _ |
| Missaula | 1053 | 1050 | - | 1 | | 1 | - | 7 | 4 | | | | |
| Musselshell | -59 | 58 | - | - | - | - | | _ | 1 | | | | |
| Park | 163 | 161 | - | - | - | ~ | - | 2 | - | | - | | |
| Petroleum | 9 | 9 | - | | - | - | _ | _ | _ | | | | |
| Phillips | 97 | 96 | - | - | - | - | - | 1. | - | | 1 | | |
| Pandera | 113 | 109 | - | - | 1 | 1 | - | 1 | 1 | | 1 | 1 | |
| Pawder River | 1,14 | 44 | - | - | - | _ | - | | _ | | | | |
| Powell | 94 | 92 | - | 1 | - | _ | - | - | 1 | | 1 | - | |
| Prairie | 20 | 20 | | 1 | _ | | - | | | | | | |
| Kavalli | 196 | 196 | - | - | - | - | - | _ | - | | 1 | - | \rightarrow |
| Richland | 159 | 158 | | - | - | | _ | 1 | - | | - | - | |
| | 224 | 216 | 7 | | | | 2 | | 2 | | | - | |
| Raasevelt | | | 1 | - | | - | | 3 | | | + | - | - |
| Rosebud | 134 | 126 | 2 | 2 | | 1 | 11 | 1 | 1 | | - | - | - |
| Sanders | 62 | 61 | - | - | | - | - | 11 | | | - | - | - |
| Sheridan | 67 | 67 | - 0 | - | | - | - | | | | - | - | - |
| Ellver Bow | 760 | 739 | 8 | - | 1 | 2 | _2 | 7 | 1 | | - | - | - |
| Stillwater | 60 | 60 | - | - | - | - | - | - | - | | - | | _ |
| Sweet Grass | 43 | 43 | - | - | - | - | - | | | | | | |
| Teton | 70 | 66 | - | 1 | - | - | - | 3 | _ | | | | |
| Taole | 89 | - 88 | - | - | | Ora | | | l | | | | |
| Treasure | 16 | 16 | - | - | - | - | - | _ | - | | | | |
| Valley | 289 | 276 | - | 2 | _ | - | - | 3 | -8 | | | | |
| Wheatland | 45 | 1,1, | 1 | - | - | - | - | - | - | | | | 1 |
| Wiboux | 21 | 20 | - | - | - | - | _ | 1 | _ | | | | |
| Yellowstone | 1391 | 1358 | 2 | 6 | 3 | 3 | _ | 11 | 8 | | | | |
| | 11733 | 11442 | 53 | 29 | 12 | 15 | 12 | 98 | 72 | - | | 1 | 7 |
| | | | A / | - '11 1 | 1.7 | 17 | 1 / | - SAL 1 | | | | | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Number of Prenatal Visits

| Not | 2 | 4 2 |) | - | 1 | - | 1 | 2 | 949 | - | - | 2 | 6 | | 7 | 0 | | 7 | 2 | 3 | | 1 | 1.2 | 2 | t | 9 | 12 | 0 | - - | - - | 0 - | 10 | 1 | 2 | () | 5 | 0 | t t | | 54 | 13 | . - | - 0 | 0 1 | 1 | 3 | 2 | 1 | e . | - t | 16 | 297 |
|----------|----------|------------|----------|----------|--------|--------|---------|----------|--------|---------|--------|------------|--------|--------|----------|----------|----------|---------|---------------|---------|------|--------------|------|---------------|---------|---------|-----------|----------|---------|---------|----------|-------------|------|----------|---------|--------------|--------|---------|-----------|-----------|---------|---------|----------|------------|------------|-------------|-------|----------|--------|-----------|--------|-------|
| 30+ | | - | 1 | | | , | 1 | 1 | 1 | | - | 3 | 1 | t | | | 1 | | -1 | , | - | | | 2 | 1 | - | , | 1 | | 1 | 1 | - | 1 | - | 1 | | 1 | , , | 4 | 1 | 1 | - | | | 1 | 1 | 1 | 1 | 1 - | ۱ | | 13 |
| 25-79 | | - | 1 | - | - | 1 | 3 | 1 | 1 | 1 | | | 2 | 1 | 7 | 4 | 1 | 1 - | - 1 | 1 | | 1 | 1 | 7 | 1 | ŀ | 1 | - | 1 | 1 | 7 | , | | 1 | 1 | , | • | | 1 1 | , | ı | | 1 - | - 1 | 1 | - | 1 | | 1 0 | 7 | 4 | 26 |
| 20-24 | 2 | 1 | - | + | Н | | 7 | 1 | 1 | 7 | | 3 | 7 | 1 | | 6 | | 7 | 1 | - | 1 | 1 | 7 | 5 | - | - | 2 | 1 | 1 | 1 0 | 2] | | 1 | 1 | 1 | 1 | 7 | 1 0 | 1 | 2 | 1 | 1 | 1 | 1 1 | I | 1 | -1 | | - | - | 9 | 95 |
| 15-19 | <u> </u> | 1 | 7 | | 6 | 2 | 119 | 6 | 15 | 4 | 2 | 12 | 9 | 7 | 7. | 00 | - | 11 | | 0 | | - | 15 | 37 | 3 | 25 | | ç, | - | 7 0 | 10 | 7 | 7 | 7 | 2 | - | 4 | 1 67 | 7 | 2 | 2 | 7 | 7 3 | 24 | | 5 | 9 | I | 20 | ^- | 07 | 716 |
| 71 | 13 | 2 | 1 | - | 2 | 1 | 75 | 9 | 9 | 1 | 2 | 9 | 1 | 6 | 67 | 35 | 1 9 | 0 - | 7 | 2 | 4 | - | 2 | 26 | 3 | 17 | £, | - | | 40 | 0 0 | 9 | 1 | - | 3 | 1 | 7 | 1, | 1 5 | 2 | 2 | 7 | 1 00 | 67 | 1 | | 4 | 1 | 13 | | 63 | 539 |
| - | 1 | ο α | 0 | 2 | 4 | - | 118 | 5 | 13 | 1 | 9 | 4 | 2 | 7 | 22 | ۱۲ | 1 0 | 7 6 | 1 1 | 13 | 2 | | 7 | 70 | 1 | 19 | | | | 1 5 | 72 | 0 | | | 2 | 2 | - α | - 1 ~ | ماد | | 4 | 7 0 | 7 | 2 | 2 | 3 | 8 | 1 | 17 | 7 | 19 | 568 |
| 13 | 77 | 17 | 9 | , - | 9 | 1 | 205 | 7 | 17 | 4 | 24 | 21 | 2 | 29 | 150 | 2 - | 1 2 | CI C | 7 6 | 33 | 8 | 7 | 21 | 110 | 7 | 44 | m | 10 | 9 . | 200 | 050 | 20 | 2 | 8 | 12 | - | 12 | 7 1 | 10 | 10 | ٥ | 2 | 70 | 04 | 2 | 3 | 2 | 1 | 32 | ٢ | 293 | 1761 |
| Ξ | 1 6 | 7 = | 1= | - | 17 | 2 | 162 | 10 | 17 | | 24 | 8 | 1 | 12 | 51 | 43 | | 7 | l u | 200 | 2 ~ | 000 | 7 | 39 | | 23 | - | 2 | - | 7 | 1/2 | 19 | | 5, | 10 | 2 | 9 | 7 | 7 | 2 | ` | 9 | 2 | 95 | 7 | 1 | 3 | 1 | 33 | 1 | 154 | 926 |
| 01 | 23 | 3 5 | 14 | 9 | 10 | 9 | 270 | 11 | 15 | 7 | 34 | 34 | 15 | 33 | 90 | ۹, | 1 | 47 | 2 | 7,6 | σ | 10 | 36 | 81 | 3 | 54 | 10 | 12 | - | 7 | 1/2 | 28 | 2 | 10 | 13 | 3 | 15 | 2 | 2.2 | 13 | 11 | 7 | 14 | 143 | 2 0 | 9 | 13 | - | 97 | œ (| 73.6 | 1780 |
| o | , | 12 | 7 0 | 7 | 12 | 1 | 127 | 9 | 15 | 2 | 31 | 25 | 80 | 22 | 34 | 7.5 | 7 | 07 | 1 6 | 25 | 3 0 | - | 15 | 39 | S | 33 | 2 | 4 | 2 | 4 | /3 | 1.8 | 2 1 | 14 | 7 | 5 | 6 | 2 | 20 | 18 | ę | 9 | 80 | 56 | و ر | 0 | 7 | 2 | 34 | 7 | 106 | 696 |
| α | 0 | 22 | 16 | 1 | 12 | 4 | 148 | 11 | 1.2 | 3 | 21 | 25 | 9 | 18 | 55 | 3 | | 01 6 | 7 7 | 36 | 3 - | | 12 | 45 | 2 | 27 | 2 | 4 | 2 | 5 | 99 | 21 | 1 | 9 | 10 | 2 | | 7 | 77 | 21 | 16 | 7 | 9 | 79 | 0 - | . 00 | 80 | 2 | 23 | 2 | 171 | 1047 |
| , , | . 01 | 12 | 10 | 2 | 2 | 4 | 118 | 9 | 8 | 2 | 20 | 14 | 4 | 15 | 36 | 70 | 7 | 14 | 7 | 2 2 | 7 | , , | 12 | 19 | 7 | 21 | | 7 | 7 | -1 | 36 | 10 | - | 6 | 16 | 3 | 7 | m ç | 17 | 17 | 15 | 7 | 7 | 7,0 | 7 | | 5 | 2 | 24 | e (| 2 08 | 737 |
| 4 | 9 | | 1 | 2 | 9 | - | 90 | 9 | 14 | 3 | 4 | 14 | 9 | 20 | 32 | 18 | 7 | 18 | 1 4 | 2 | 77 | ~ | 100 | 22 | 2 | 14 | н | 4 | 7 | 4 | 31 | 7 0 | - | 13 | 10 | 2 | 5 | 9 | 9 | 1.5 | 10 | - | 9 | 47 | 7 0 | 2 | 9 | 2 | 14 | 7 | 61 | 622 |
| 'n | , , | - α | 7 | - | 3 | 2 | 55 | 7 | 7 | 1 | 10 | 14 | 9 | 9 | 24 | 14 | 7 | T2 | 1 0 | 17 | 77 | 2 | 15 | 16 | - | 11 | -1 | m | 2 | _ | 17 | 7 5 |) | 7 | 9 | 4 | 4 | 1 9 | 1,0 | 10 | 6 | 2 | .5 | 50 | 7 | - 0 | m | 2 | 11 | 1 | - 1 | 507 |
| ٧ | 3 | 4 5 | 1 5 | 7 | 3 | 1 | 48 | 5 | 7 | 1 | 6 | 7 | 2 | 9 | 14 | 2 | 7 | T2 | ' | 3 | 0 3 | - 1 | 101 | 17 | 3 | 10 | 1 | - | 7 | m | 21 | η α | 1 0 | 7 | 7 | n | 9 | | | 12 | 2 | 2 | 6.1 | 27 | 1 1 | 7 | 10 | 1 | 3 | 1 | 1 9 | 386 |
| r | ٠, | 1 | 0 1 | , , | 1 1 | - | 27 | 2 | 2 | 1 | | 4 | - | 6 | 10 | 4 | ٦, | 14 | 1 0 | 7 0 | 7 | 1 | 7 | 10 | - | 8 | 1 | | 1 | 4 | œ (| 7 6 | 1 | 9 | 7 | 2 | 3 | 1 | 7 | 0 | 10 | -1 | | 2 | - | - | 2 | - | | 4 | - 1 | 2 |
| c | 7 6 | 7 0 | 0 4 | 0 1 | ~ | , | 13 | | 3 | 1 | 3 | 2 | 1 | 9 | 10 | 7 | m ! | 17 | - - | 1 " | 2 | 7 | 9 | | 1 | 3 | l. | 1 | 1 | ' | 7 | 7 | - | 1 | - | ŀ | 1 | 1 | 7 | 0 7 | 5 | 1 | _ 2 | =1 | 7 | ' ' | | 1 | 2 | - | 1 4 | 176 |
| - | ٠ | î L | - 0 | 7 | - | 1 | = | - | 6 | 1 | 1 | 3 | 1 | 7 | 6 | 7 | 1 | 18 | 1 | 40 | 7 | 10 | 4 α | ~ | 1 | 7 | 1 | 1 | 1 | - | 3 | 1 | - | 2 | 1 | 1 | 1 | ' | 3 | 1 5 | 9 | 1 | 1 1 | (* | 7 | 1 5 | 2 2 | | 2 | 1 | 1,1 | 156 |
| | - | + | 7 | 1 | - | 1 | Ĺ | | 2 | | 2 | | | | | 1 | _ | _ | | 1 F | | 1 | | | | 3 | | | 3 | 1 | | 1 0 | | | | I | - | - | 1 | \perp | 7 | - 7 | 7 | -7 | | | 7 | L | 3 | 5 1 | 1 1 | 1 - |
| | TOTAL | 747 | 417 | 118 | 78 | 75 | 1618 | 9.7 | 203 | 27 | 203 | 206 | 82 | 194 | 678 | 065 | 31 | 220 | 17 | 940 | /87 | 1/1 | 21.2 | 551 | 37 | 323 | 41 | 99 | 34 | 64 | 1063 | 163 | Cal | 97 | 113 | 44 | 76 | 20 | 19(| 224 | 134 | 62 | . 9 | 760 | 2 0 | 0 00 | 2 68 | 16 | 289 | 45 | 1 201 | 11733 |
| COUNTIES | | Beaverhead | Eig Horn | d to the | Carbon | Corter | Cascade | Chouteou | Custer | Daniels | Dawson | Deer Lodge | Fallon | Fergus | Flathead | Gallatin | Garfield | Glacier | Golden Valley | Granife | 1 66 | Judith Basin | Lake | Lewis & Clark | Liberty | Lincoln | F. c.Cone | hodison. | Neagher | Mineral | Missoula | Ausselshell | Pork | Phillips | Pondera | Powder River | Powell | Prairie | favalli . | Rockstand | Rosebud | Sonders | Sheridan | Silver Cow | Stillwater | Sweet Grass | Toole | Treasure | Valley | Wheatlond | Wiboux | TOTAL |

LIVE BIRTHS BY BIRTH WEIGHT GROUP - Montana Residents Montana Counties, 1968

| COUNTIES | | Prem | ature | Nouncies, 1 | lature | Wei | oht |
|-----------------------|-------|------|-------------|-------------|-------------|-----|---------|
| COOKITES | | | oz. & under | | ilbs. 8 oz. | | given |
| | TOTAL | | Percent | | Percent | | Percent |
| Beaverhead | 142 | 4 | 2.8 | 138 | 97.2 | - | 0.0 |
| Eig Horn | 214 | 11 | 5.1 | 201 | 93.9 | 2 | 0.9 |
| Blaine | 118 | 5 | 4.2 | 112 | 94.9 | 1 | 0.8 |
| Broadwater | 43 | 3 | 7.0 | 40 | 93.0 | | 0.0 |
| Carbon | 84 | 4 | 4.8 | 77 | 91.7 | 3 | 3.6 |
| Carter | 25 | 1 | 4.0 | 24 | 96.0 | | 0.0 |
| Cascade | 1618 | 124 | 7.7 | 1494 | 92.3 | _ | 0.0 |
| Chouteou | 97 | 10 | 10.3 | 87 | 89.7 | _ | 0.0 |
| Custer | 203 | 19 | 9.4 | 184 | 90.6 | _ | 0.0 |
| Daniels | 27 | 2 | 7.4 | 25 | 92.6 | _ | 0.0 |
| Dawsan | 203 | 15 , | 7.4 | 183 | 92.6 | - | 0.0 |
| Deer Lodge | 206 | 16 | 7.8 | 190 | 92.2 | _ | 0.0 |
| Fallon | 82 | 5_ | 6.1 | 77 | 93.9 | - | 0.0 |
| Fergus | 194 | 13 | 6.7 | 181 | 93.3 | - | 0.0 |
| Flathead | 678 | 45 | 6.6 | 632 | 93.2 | 1 | 0.1 |
| Gallatin | 490 | 41 | 8.4 | 449 | 91.6 | _ | 0.0 |
| Garfield | 31 | 3 | 9.7 | 28 | 90.3 | _ | 0.0 |
| Glacier | 220 | 17 | 7.7 | 199 | 90.5 | 4 | 1.8 |
| Galden Valley | 17 | 1 | 5.9 | 16 | 94.1 | _ | 0.0 |
| Granite | 46 | 3 | 6.5 | 43 | 93.5 | | 0.0 |
| Hill | 287 | 13 | 4.5 | 274 | 95.5 | _ | 0.0 |
| Jefferson | 71 | 6 | 8.5 | 65 | 91.5 | | 0.0 |
| Judith Basin | 38 | 4 | 10.5 | 34 | 89.5 | | 0.0 |
| Lake Lewis & Clark | 212 | 9 | 4.2 | 202 | 95.3 | 1 | 0.5 |
| | 551 | 36 | 6.5 | 515 | 93.5 | | 0.0 |
| Liberty Lincoln | 323 | 1 | 2.7 | 35 | 94.6 | 1 | 2.7 |
| McCane | 41 | 19 | 5.9 | 303 | 93.8 | 1 | 0.3 |
| Madison | 64 | 4 | 6.2 | 40 | 97.6 | | 0.0 |
| Meagher | 34 | 3 | 8.8 | 60 | 93.8 | | 0.0 |
| Mineral | 49 | 4 | 8.2 | 45 | 91.8 | | 0.0 |
| Missoula | 1063 | 78 | 7.3 | 984 | 92.6 | 1 | 0.1 |
| Musselshell | 59 | 5 | 8.5 | 54 | 91.5 | | 0.0 |
| Park | 163 | 10 | 6.1 | 153 | 93.9 | | 0.0 |
| Petroleum | 9 | 1 | 11.1 | 8 | 88.9 | | 0.0 |
| Phillips | 97 | 6 | 6.2 | 91 | 93.8 | _ | 0.0 |
| Pondera | 113 | 10 | 8.8 | 103 | 91.2 | | 0.0 |
| Powder River | 44 | 2 | 4.5 | 42 | 95.5 | - | 0.0 |
| Pawell | 94 | 7 | 7.4 | 86 | 91.5 | 1 | 1.1 |
| Prairie | 20 | 2 | 10.0 | 18 | 90.0 | _ | 0.0 |
| Ravalli | 196 | 13 | 6.6 | 183 | 93.4 | | 0.0 |
| Richland · | 159 | 14 | 8.8 | 145 | 91.2 | _ | 0.0 |
| Raosevelt | 224 | 22 | 9.8 | 202 | 90.2 | - | 0.0 |
| Rasebud | 134 | 9 | 6.7 | 123 | 91.8 | 2 | 1.5 |
| Sanders | 62 | 5 | 8.1 | 56 | 90.3 | 1 | 1.6 |
| Sheridan | 67 | 2 | 3.0 | 65 | 97.0 | _ | 0.0 |
| Silver Bow | 760 | 73 | 9.6 | 637 | 90.4 | - | 0.0 |
| Stillwater | 60 | 4 | 6.7 | 55 | 91.7 | 1 | 1.7 |
| Sweet Grass | • 43 | 2 | 4.7 | 41 | 95.3 | _ | 0.0 |
| Teton | 70 | 8 - | 11.4 | 58 | 82.9 | 4 | 5.7 |
| Toole | 89 | 6 | 6.7 | 83 | 93.3 | | 0.0 |
| Treasure | 16 | 1 | 6.2 | 15 | 93.8 | _ | 0.0 |
| Valley | 289 | 19 | 6.6 | 270 | 93.4 | _ | 0.0 |
| Wheatland . Wibaux | 45 | 6 | 13.3 | 38 | 84.4 | 1 | 2.2 |
| Yellowstone | 1391 | 126 | 9.5 | 19 | 90.5 | · | 0.0 |
| · cilowstone | 1331 | 126 | 9.1 | 1265 | 90.9 | - | 0.0 |
| TOTAL | 11733 | 875 | 7.5 | 10833 | 92.3 | 25 | 0.2 |

Item 22

| | Total | 1 | 2 | 3 | 4 | | | | | | | | | | |
|-----------------|-------|----------|------|-------------|--------------|--------------|------|----------|-------------|--------|---------|--------------|--------------|--------|-------------|
| Beaverhead | 5 | 2 | 3 | 7 | T - | | | | | | T | 1 | T | | |
| Eig Horn | 9 | 3 | 4 | _ | 2 | | | | | | + | | | | |
| Blaine | 3 | 1 | 1 | 1 | <u>-</u> - | | | - | | | · | | | | |
| Broodwater | 2 | | 2 | | | | | | | | | | - | | |
| Carbon | 3 | _ | 3 | | _ | - | | | | | | | - | | |
| Carter | _ | | _ | | - | | | - | | - | | | | | |
| Cascade | 47 | 1.8 | 28 | 1 | _ | | | \dashv | | - | | | | | |
| Chauteau | 1 | - | 1 | | _ | 22. | // | | inatio | | regnan | | | | |
| Custer | 9 | 2 | 4 | 2 | 1 | | COII | 10 | J Cel L. J. | 115 01 | regnan | <u>C.y.</u> | | | |
| Daniels | 1 | 1 | _ | - | | |). | No | ne | | | | | | |
| Dawson | 4 | 1 | 2 | - | | | L . | | | Chyper | mesis | gravida | rum. | 961 | ere |
| Deer Lodge | 3 | | 3 | _ | | | | - | | | ing, pr | | | | |
| Fallon | 2 | | 2 | _ | _ | | 2. | He | morrha | | reatene | | | | |
| Fergus | 4 | _ | 3 | _ | 1 | | | | | | gnancy | | | | |
| Flathead | 20 | 5 | 13 | 1 | 1 | | | 7 | | | uptio | | | | |
| Gallatin | 28 | 8 | 18 | | 2 | | | | | | centa, | | | | |
| Garfield | 1 | _ | 1 | | - | | | | | | er hem | | | | <u>/</u> |
| Glacier | 3 | 2 | 1 | _ | _ | | 3. | Er | ythrob | lastos | | | | | |
| Golden Valley | 1 | | 1 | | | | + . | OE | her (h | vdramn | los, hy | datidif | orm n | no 1 e | |
| Granite | _ | _ | | _ | _ | | | - | | | pithel | | | 70 2 | J |
| Hill | 10 | 2 | 7 | 1 | | | | | | | | | | | |
| Jefferson | 5 | 2 | 2 | 1 | _ | | | | | | | | | | |
| Judith Basin | 2 | _ | 2 | _ | | | | | | | | | | | |
| Lake | 7 | 2 | 5 | _ | _ | | | 1 | | | | | | | |
| Lewis & Clark | 21 | 3 | 16 | 1 | 1 | | | | | | | | | | |
| Liberty | 1 | _ | 1 | _ | - | | | | | | | | | | |
| Lincoln | 6 | - | 4 | 1 | 1 | | | | | | | | | | |
| <i>E</i> c Cone | 1 | _ | 1 | - | _ | | | | | | | | | | |
| Madison | 5 | 1 | 3 | - | 1 | | | | | | | | | | |
| Meagher | 1 | | - | - | 1 | | | | | | | | | | |
| Mineral | 2 | | 2 | | _ | | | | | | | | | | |
| Missaula | 22 | 11 | 9 | | 2 | | | | | | | | | | |
| Musselshell | 5 | 3 | 2 | | _ | | | | | | | | | | |
| Park | 7 | 2 | 5 | | | | | | | | | | | | |
| Petroleum | | | | - | - | | | | | | | | | | |
| Phillips | 6 | 1 | 4. | | 11 | | | _ | | | | | | | |
| Pandera | 3 | 1 | 2 | | - | ļ | | - | | | | | | | |
| Powder River | 2 | 1 | 1 | | - | | | | | | | | | | |
| Powell | 11_ | - | 1 | | | | | | | | | | | | |
| Prairie S | 3 | 1 | 2 | | | - | | | | | | | | | |
| Ravalli | 8 | 6 | 2 | - | | - | | | | | | | | | |
| Richland | 9 | 3 | 6 | | | | | \perp | | | | | | | |
| Roosevelt | 13 | 6 | 7 | | | | | + | | | | | | | |
| Rosebud | 8 | | 6 | | 22 | | | _ | | | | | | | |
| Sanders | 11_ | | 1 | | | | | - | | | | | | | |
| Sheridan | 1.2 | - | - 10 | | | | | + | | | | | | | |
| Silver Baw | 12 | 2 | 10 | | | <u> </u> | | - | | | | | | | |
| Stillwater | • 3 | 1 | 3 | | - | | | - | | | | | | | |
| Sweet Grass | 3 | 1 2 | 2 | - | | | | -+- | | | | | | | |
| Teton Toole | 2 | | 2 | - | | | | + | | | | | | | |
| Treasure | 1 | | 1 | | | | | - | | | | | | | |
| Valley | 13 | 3 | 7 | 2 | 1 | | | + | | | | | | | |
| Wheatland . | | | | | 1 - | | | + | | | | | | - | |
| Wibaux | | | | | | | | + | | | | | | - | |
| Yellowstone | 36 | 8 | 26 | 1 | 1 | | | + | | | | | | + | |
| | | <u> </u> | | <u>_</u> | 1 1 | | | + | | | | | | | |
| TOTAL | 369 | 105 | 233 | 1.2 | 19 | | | | | | Ì | | | | |
| | | | | | | | | | | | | | | | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Complications of Labor

| | Total | 0 | 1 | |
|--------------------------|-------|------------|------|--|
| Beaverhead | 142 | 136 | 6 | |
| Big Harn | 214 | 199 | 15 | |
| Blaine | 118 | 108 | 10 | |
| Braadwater | 43 | 39 | 4 | 26. Complications of Labor |
| Carban | 84 | 78 | 6 | |
| Carter | 25 | 24 | 1 | 0. None |
| Cascade | 1618 | 1509 | 109 | 1. (Cephalo-pelvic disproportions, C.P.D., |
| Chouteau | 97 | 89 | 8 | contracted outlet, dystocia, uterline |
| Custer | 203 | 169 | 34 | incrtia, cervical inertia, prematurity |
| Daniels | 27 | 24 | 3 | premature birth, premature labor, |
| Dawson | 203 | 190 | 13 | precipitous labor, R.O.P., L.O.P., Fac- |
| Deer Lodge | 206 | 184 | 22 | presentation, O.P., occiput posterior, |
| Follan | 82 | 74 | 8 | posterior position, persistent poste- |
| Fergus | 194 | 182 | 12 | rior presentation, brow presentation, |
| Flathead | 678 | 627 | 51 | rupt. membrane, separation membrane, |
| Gallatin | 490 | 433 | 57 | trans. arrest, frank breech, amniotic |
| Garfield | 31 | 26 | 5 | fluid embolism, diastises of recti |
| Glacier Goldon Valley | 220 | 217 | 3 | muscles, prolapsed cord, cord entangle- |
| Galden Valley Granite | 17 | 17 | | ment, prolonged labor) |
| Hill | 287 | 41 | 5 | |
| Jefferson | | 263 | 24 | |
| Judith Basin | . 71 | 64 | 7 | |
| Loke | 38 | 36 | 2 | |
| Lewis & Clark | 551 | 199 490 | 13 | |
| Liberty | 37 | 34 | 61 3 | |
| Lincoln | 323 | 304 | 19 | |
| A'cCone | 41 | 38 | 3 | |
| Madisan | 64 | 56 | 8 | |
| Meagher | 34 | 32 | 2 | |
| Mineral | 49 | 45 | 4 | |
| Missoula | 1063 | 1000 | 63 | |
| Musselshell | 59 | 56 | 3 | |
| Park | 163 | 141 | 22 | |
| Petraleum | 9 | 9 | | |
| Phillips | 97 | 88 | 9 | |
| Pandera | 113 | 95 | 18 | |
| Powder River | 44 | 38 | 6 | |
| Pawell | 94 | 83 | 6 | |
| Proirie | 20 | 19 | 1 | |
| Rovalli | 196 | 187 | 9 | |
| Richland | 159 | 139 | 20 | |
| Raosevelt | 224 | 195 | 29 | |
| Rasebud | 134 | 114 | 20 | |
| Sanders | 62 | 53 | 9 | |
| Sheridan | 67 | 63 | 4 | |
| Silver Baw | 760 | 734 | 26 | |
| Stillwater | 60 | 55 | 5 | |
| Sweet Grass | 43 | 40 | 3 | |
| Tetan | . 70 | 60 | 10 | |
| Taale | 89 | 81 | 8 | |
| Treasure | 16 | 15 | 1 | |
| Valley | 289 | 240 | 49 | |
| Wheatland | 45 | 37 | 8 | |
| Wibaux | 21 | 19 | 2 | |
| Yellowstane | 1391 | 1254 | 137 | |
| TOTAL | 11733 | 10747 | 986 | |

LIVE BIRTHS - MONTANA RESIDENTS - 1968 Birth Injury

| | otal | ٦ | 2 | 2 | 4 | c | | | | | | | |
|---------------|--------|-----|--------------|--------------|--------------|-------------|----|----|---------------------------------------|----------|--------|---------|--------------|
| Beaverhead | 100811 | T - | | 3 | | 5 | 1 | | · · · · · · · · · · · · · · · · · · · | T | T | | |
| Eig Horn | | | | | | | ļ | | | | ļ | | |
| Blaine | 2 | 2 | - | | | - | | | | | 1 | ļ | |
| Braadwater | - | - | | | - | | | | | - | - | - | |
| Carbon | | = | - | ļ. <u> </u> | - | | | | | | 1 | | |
| Carter | | | | - | - | - | | | | | | | <u> </u> |
| , | - | - | - | - | - | | | | | ļ | | | |
| Cascade | 1+ | | | | 2 | 2 | | | | | | | |
| Chauteau | - | - | - | | - | - | | | | | | | |
| Custer | - | - | - | - | - | | | | | | | | |
| Daniels |]_ | | | 11_ | | ~ | | | | | | | |
| Dawsan | - | - | - | ~ | | | 23 | 3. | Birth 1 | njury | | | |
| Deer Ladge | 1 | | | | | 1 | | | | | | | |
| Fallan | | _ | _ | - | _ | _ | | 0 | . None | | | | |
| Fergus | 1 | 1 | - | - | - | _ | | 1 | . Brai | | | | |
| Flathead | 4 | 1 | _ | - | 2 | 1 | | 2 | | | | | |
| Gallatin | 1 | - | _ | _ | _ | 1 | | 3 | | rument | delive | rv | 1 |
| Garfield | - | - | - | _ | | - | | 4 | | | | locatio | TIS |
| Glacier | - | - | | _ | - | - | | 5 | | | 415 | | .,,, |
| Galden Valley | - | ~ | - | _ | _ | - | | | | <u> </u> | | | |
| Granite | - | | | | | | | | | | - | | + |
| Hill | 14 | 1 | | | 2 | 1 | | | | | | | + |
| Jefferson | | | | | | | | | · | | | | |
| Judith Basin | _ | | - | - | - | | | | | | | | + |
| Lake | 1 | | | | - | 1 | | | | | | | + |
| Lewis & Clark | | | | _ | | | | | | | | | |
| Liberty | 3 | 2 | | | | 1 | | | | | i — | | |
| Lincaln | | | | | | | | | | | | | |
| A'cCone | 1 | | - | - | | 1 | | | | | | | |
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| Phillips | 1 | - | - | | | 1 | | | | | | | |
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