## Pregnancy History Data Items in the Electronic Birth Registration System (EBRS)

In this issue, you will find information on poor data quality regarding Pregnancy History items and ways to improve the reporting of these data in EBRS.

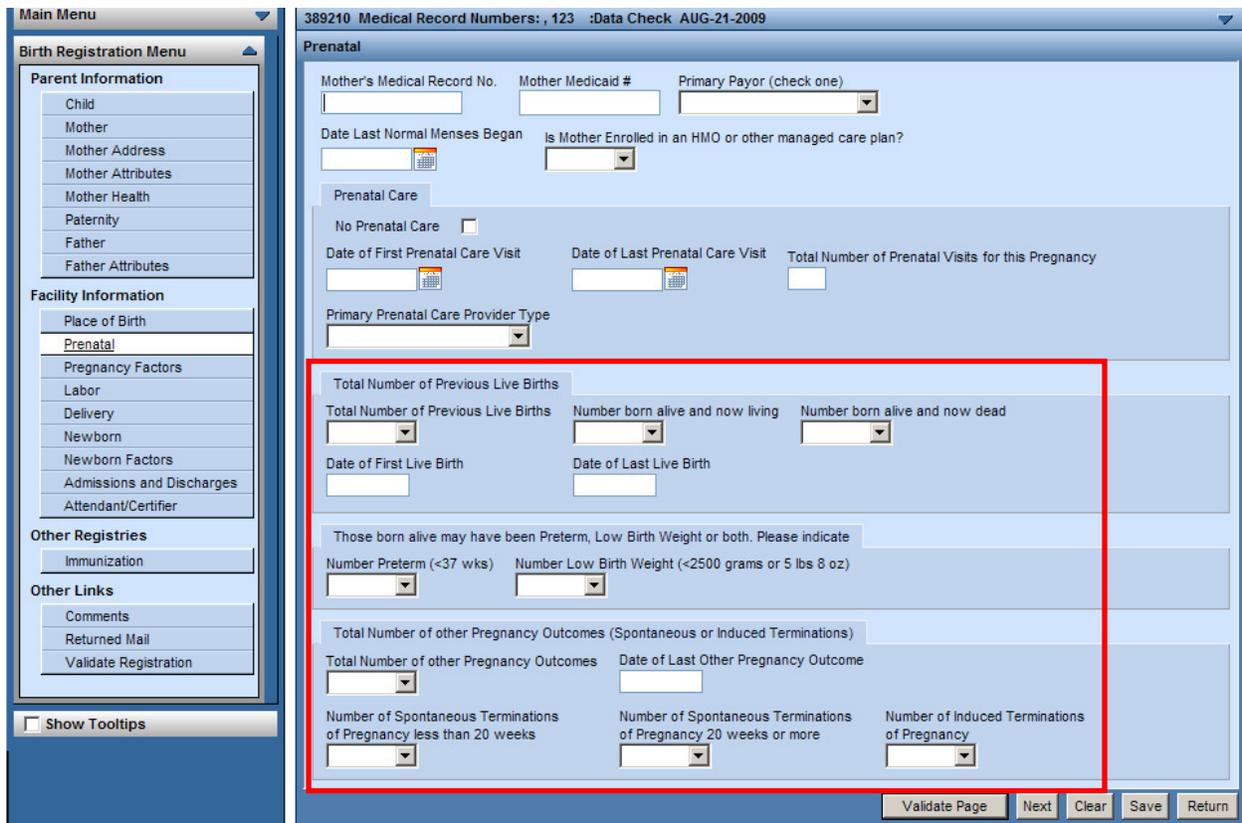This newsletter will cover the following data items:
- Total Number of Previous Live Births
- Number Born Alive and Now Living
- Number Born Alive and Now Dead
- Date of First Live Birth
- Date of Last Live Birth
- Number of Previous Preterm
- Number of Previous Low Birth Weight
- Total Number of Other Pregnancy Outcomes
- Date of Last Other Pregnancy Outcome
- Number of Spontaneous Terminations < 20 weeks
- Number of Spontaneous Terminations ≥ 20 weeks
- Number of Induced Terminations

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*The Quality Improvement Unit of the Office of Vital Statistics is dedicated to improving the quality of vital event data by providing education and training to data providers. This newsletter is the second in a series of quality improvement newsletters that will be distributed to all birthing institutions and Regional Perinatal Coordinators to help improve the entry and quality of birth data.*

## I. IMPORTANCE OF PREGNANCY HISTORY DATA

Pregnancy history is an important indicator of women's and infants' health.  It is therefore critical to obtain accurate and reliable reporting of mothers' previous pregnancies, including the number and dates of previous live births and terminations.  These data help to inform research, public health programs and policies aimed at improving maternal and infant health.

*How are pregnancy history data used?*
- Previous live birth data can be used to:
  o Determine the relationship of birth order to infant and perinatal mortality
  o Study health problems associated with birth order (e.g., first births to older women)
  o Study trends in childbearing and child spacing.
- The dates of last live birth and other terminations can be used to:
  o Compute the interval between pregnancies (interpregnancy interval)
  o Measure known risk factors associated with the mother's previous pregnancies such as prior fetal loss, short interpregnancy interval, and high parity.

Previous live birth data are presented each year in the Annual Summary produced by the Bureau of Vital Statistics (available online at www.nyc.gov/vitalstats).  Pregnancy history data are used by the NYC Department of Health and Mental Hygiene's (DOHMH) Bureau of Maternal, Infant and Reproductive Health as well as by other governmental agencies, hospitals, and community based organizations for public health programs, policy planning and research.  ***This year, due to inaccurate data entry by facilities and resulting poor data quality, the usual previous live birth data items will not be reported in the 2008 Annual Summary.  The Bureau of Vital Statistics anticipates similar problems with the 2009 data and therefore may request corrections to some of these data items in early 2010.***

Hospital-specific data quality will be audited on a periodic basis and the Bureau of Vital Statistics will continue to make requests for data completion, clarification, or verification when necessary.  Please note that effective January 1, 2010 the revised New York City Health Code Law §201 requires that you provide missing, additional, or corrected certificate data within five business days upon request.

To provide the required data accurately, please review the following data quality issues and incorporate the "Pregnancy History Quicksheet" into your daily reporting practices.  Without improvement, poor reporting and data entry practices will continue to affect the ability of the DOHMH, your hospital, and other organizations to analyze and report birth data.

### Questions?  Contact Us!
If you need assistance or have questions regarding birth data quality, please contact Lauren Abercrombie in the Quality Improvement Unit at 212-788-5289.  If you have questions regarding EBRS, please contact the EVERS Help Desk at 212-788-4575.

All Data Quality Improvement Newsletters as well as resources for data item completion and data entry can be found online at  http://www.nyc.gov/html/doh/html/vr/vr-evers.shtml.

**DATA QUALITY IMPROVEMENT NEWSLETTER**
OFFICE OF VITAL STATISTICS
QUALITY IMPROVEMENT UNIT
ISSUE #2     JANUARY 2010
www.nyc.gov/vitalstats

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## II. 2008 PREGNANCY HISTORY DATA QUALITY ISSUES

The DOHMH Office of Vital Statistics continues to conduct its annual birth data cleaning for the 2008 filing year. Throughout this process, many instances of poor pregnancy history data entry and quality have been identified. These issues are outlined below.

| DATA ITEM(S) | ISSUE(S) | HOW TO IMPROVE REPORTING |
|---|---|---|
| | | *For all data items, careful review of the mother's medical and prenatal care records is necessary. This is a requirement for accurate data entry.* |
| **Total Number of Previous Live Births**<br><br>**Number Born Alive and Now Living**<br><br>**Number Born Alive and Now Dead** | Among records with reported previous live births, there were 1,728 for which the Total Number of Previous Live Births did not equal the sum of its parts (Number Born Alive Now Living + Number Born Alive Now Dead).<br><br>Among live-born multiple births, 656 records indicated a birth order of ≥ 2 but the Total Number of Previous Live Births entered was 0. | The previous live birth fields are composed of three related parts:<br>• The Total Number of Previous Live Births **MUST** equal the sum of the Number Born Alive, Now Living and the Number Born Alive, Now Dead.<br>• If any two parts of the three are known, then the third can be calculated; for example, if you know the Total = 3 and Now Living = 2, you can conclude that Now Dead = 1.<br><br>If you are entering a record for a second, third, or subsequent live-born child of a multiple set, you must include the preceding live-born members of the set in the count of previous live births. For example, if a mother's first pregnancy is triplets, all born alive, the correct entry in the second triplet's record for Total Number of Previous Live Births is "1". The correct entry in the third triplet's record for Total Number of Previous Live Births is "2". |
| **Date of First Live Birth**<br><br>**Date of Last Live Birth** | Among records with reported Total Number of Previous Live Births = 1, there were 6,304 for which the Date of Last Live Birth did not match the Date of First Live Birth. | If there is one previous live birth, the Date of Last Live Birth and Date of First Live Birth should be the same. |

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| DATA ITEM(S) | ISSUE(S) | HOW TO IMPROVE REPORTING |
|---|---|---|
| | | *For all data items, careful review of the mother's medical and prenatal care records is necessary. This is a requirement for accurate data entry.* |
| **Total Number of Other Pregnancy Outcomes**<br><br>**Number of Spontaneous Terminations <20 wks**<br><br>**Number of Spontaneous Terminations ≥ 20 wks**<br><br>**Number of Induced Terminations** | Among records with reported other pregnancy outcomes, there were 3,423 for which the Total Number of Other Pregnancy Outcomes did not equal the sum of its parts (Number of Spontaneous Terminations <20 wks + Number of Spontaneous Terminations ≥20 wks + Number of Induced Terminations). | The previous other pregnancy outcome fields are composed of four related parts:<br><br>• The Total Number of Other Pregnancy Outcomes **MUST** equal the sum of the Number of Spontaneous Terminations <20 wks, the Number of Spontaneous Terminations ≥20 wks *(includes stillbirths)*, and the Number of Induced Terminations.<br><br>• If any three parts of the four are known, then the third can be calculated; for example, if you know the Total = 2, Spontaneous <20 = 1, and Induced = 1, you can conclude that Spontaneous ≥20 is 0. |
| **Date of Last Other Pregnancy Outcome** | Among records with reported previous other pregnancy outcomes, 6,406 records were missing the Date of Last Other Pregnancy Outcome. | The Date of Last Other Pregnancy Outcome must be reported when there are previous other pregnancy outcomes (spontaneous and induced terminations). If the Date of Last Other Pregnancy Outcome is unknown, enter 99-99-9999. |

# PREGNANCY HISTORY QUICKSHEET

Use this guide for reporting the mother's pregnancy history information on the birth certificate. When preparing birth certificates for a multiple delivery set, the pregnancy history information on the certificate of the first-born of the set should not include any of the subsequent births from that set. On the certificate of the second-born in a multiple delivery set, items should include information about the first-born of the set. Similarly, for the third-born, these items should include information about the first- and second-born of the set, and so on.

Entry of certain items for children from a multiple delivery is more challenging than that for a singleton delivery. The instructions in the table are broken down into two categories: (1) This child is a singleton or the first of a multiple set, and (2) This child is the second, third, or later of a multiple set. Follow the instructions in the column that describes the plurality of the child for whom you are preparing the birth certificate (referred to as "this child").

**Regardless of the plurality of the child, this child should NEVER be included in the counts or dates for pregnancy history.**

| *Follow these directions first…* | | …*then read the applicable column here for additional instructions.* | |
| --- | --- | --- | --- |
| | **STEP 1** | **STEP 2** | |
| **DATA ITEM** | *(for any plurality)* | **If this child is a SINGLETON or the FIRST of a multiple set:** | **If this child is the SECOND, THIRD, etc. of a multiple set:** |
| **Total Number of Previous Live Births** | Enter the number of prior children born alive to this mother, regardless of whether they are now alive or dead  *This number must equal the sum of the next two fields:* ***Number Born Alive and Now Living + Number Born Alive and Now Dead*** | If this child is the mother's first live birth, enter "None" | **INCLUDE** the number of all preceding live-born children of this set, regardless of whether they are now alive or dead  Enter "None" **only** if this is the mother's first pregnancy resulting in live birth(s) AND none of the preceding children of the set were born alive |
| **Number Born Alive and Now Living** | Enter the number of prior children born alive to this mother who are still living at the time of this birth | If this child is the mother's first live birth or if all previous live-born children are dead, enter "None" | **INCLUDE** the number of preceding live-born children of this set who are still living  Enter "None" **only** if ALL preceding live-born children (from previous pregnancies and this set) are dead |
| **Number Born Alive and Now Dead** | Enter the number of prior children born alive to this mother who are dead at the time of this birth | If this child is the mother's first live birth or if all previous children are still living, enter "None" | **INCLUDE** the number of preceding live-born children of this set who are now dead  Enter "None" **only** if ALL preceding live-born children (from previous pregnancies and this set) are living |

**Follow these directions first…**                …**then read the applicable column here for additional instructions.**

| DATA ITEM | STEP 1 (for any plurality) | STEP 2 | |
|---|---|---|---|
| | | If this child is a SINGLETON or the FIRST of a multiple set: | If this child is the SECOND, THIRD, etc. of a multiple set: |
| **Date of First Live Birth** | Enter the month and year of birth of the first live-born child to this mother | If this child is the mother's first live birth, leave this item blank | If a preceding child of this multiple set was the first live-born child to this mother, enter the month and year of the preceding child's birth (this is usually the same date as this child)<br><br>Leave this item blank **only** if this is the mother's first pregnancy resulting in live birth(s) AND none of the preceding children of the set were born alive |
| **Date of Last Live Birth** | Enter the month and year of birth of the last live-born child to this mother<br><br>If the mother has only had one previous live birth, this date is the same as the Date of First Live Birth | If this child is the mother's first live birth, leave this item blank | If preceding children of the set were born alive, enter the month and year of birth of the live-born child immediately preceding this child (this is usually the same date as this child)<br><br>If none of the preceding children of the set were born alive, enter the month and year of birth of the last live-born child from a previous pregnancy<br><br>Leave this item blank **only** if none of the preceding children of the set were born alive AND the mother has not had any previous live births before this multiple pregnancy |
| **Number Preterm** | Enter the number of live births from previous pregnancies where the gestational age of the child was less than 37 weeks | If none of the previous live births to this mother were preterm, enter "None" | Do not include any preceding children from this set (this data item is from previous pregnancies only)<br><br>Enter "None" if none of the previous live births to this mother were preterm |
| **Number Low Birth Weight** | Enter the number of live births from previous pregnancies where the birth weight of the child was less than 2500 grams or 5 pounds, 8 ounces | If none of the previous live births to this mother were low birth weight, enter "None" | Do not include any preceding children from this set (this data item is from previous pregnancies only)<br><br>Enter "None" if none of the previous live births to this mother were low birth weight |

PREGNANCY HISTORY QUICKSHEET

| | *Follow these directions first…* | *…then read the applicable column here for additional instructions.* | |
| DATA ITEM | STEP 1 *(for any plurality)* | STEP 2 | |
| | | If this child is a SINGLETON or the FIRST of a multiple set: | If this child is the SECOND, THIRD, etc. of a multiple set: |
| **Total Number of Other Pregnancy Outcomes*** | Enter the total number of prior terminated fetuses<br><br>Include spontaneous† and induced terminations§ (terminations of any gestational age should be counted)<br><br>*This number must equal the sum of:*<br>*Number of Spontaneous Terminations of Pregnancy <20 wks*<br>*+ Number of Spontaneous Terminations of Pregnancy ≥20 wks*<br>*+ Number of Induced Terminations of Pregnancy* | If this child was the mother's first pregnancy or if all previous pregnancies resulted in live births, enter "None" | **INCLUDE** any preceding fetuses of the set who were terminated earlier in the pregnancy (or were stillborn at delivery)<br><br>Enter "None" **only** if all previous pregnancies resulted in live births AND all of the preceding children of the set were born alive |
| **Date of Last Other Pregnancy Outcome*** | Enter the month and year of the last spontaneous† or induced termination§ to this mother | If this is the mother's first pregnancy or the mother has not had any previous terminations, leave this item blank | If any preceding fetuses of the set were stillborn at delivery), enter the month and year of delivery of the last terminated fetus of the set<br><br>Otherwise, if all of the preceding children of the set were born alive, enter the month and year of the last termination from a previous pregnancy to this mother<br><br>Leave this item blank **only** if all of the preceding children of the set were born alive AND the mother has not had any previous terminations |

*These include spontaneous and induced terminations.

†A **spontaneous termination** can also be called a miscarriage, missed abortion, spontaneous abortion, stillbirth, or fetal death, and should also include any recognized spontaneous loss of a product of conception or ectopic pregnancy.

§An **induced termination** can also be called an induced abortion or voluntary abortion. Fetal reductions performed for multiple pregnancies are classified as induced terminations.

| DATA ITEM | STEP 1 *(for any plurality)* | STEP 2 If this child is a SINGLETON or the FIRST of a multiple set: | If this child is the SECOND, THIRD, etc. of a multiple set: |
|---|---|---|---|
| **Number of Spontaneous Terminations of Pregnancy[†] Less Than 20 Weeks** | Enter the total number of prior fetuses spontaneously terminated[†] before 20 weeks gestation | If this child was the mother's first pregnancy or if all previous pregnancies resulted in live births, spontaneous terminations of 20 weeks or more gestation, or induced terminations, enter "None" | **INCLUDE** any preceding fetuses of the set who were spontaneously terminated before 20 weeks gestation<br><br>Enter "None" **only** if this was the mother's first pregnancy AND all of the preceding children of the set were born alive, spontaneously terminated at or after 20 weeks gestation, or terminated by an induced procedure; **OR** all previous pregnancies AND all of the preceding children of the set were born alive, spontaneously terminated at or after 20 weeks gestation, or terminated by an induced procedure |
| **Number of Spontaneous Terminations of Pregnancy[†] 20 Weeks or More** | Enter the total number of prior fetuses spontaneously terminated[†] at or after 20 weeks gestation | If this child was the mother's first pregnancy or if all previous pregnancies resulted in live births, spontaneous terminations of less than 20 weeks gestation, or induced terminations, enter "None" | **INCLUDE** any preceding fetuses of the set who were spontaneously terminated at or after 20 weeks gestation<br><br>Enter "None" **only** if this was the mother's first pregnancy AND all of the preceding children of the set were born alive, spontaneously terminated before 20 weeks gestation, or terminated by an induced procedure; **OR** all previous pregnancies AND all of the preceding children of the set were born alive, spontaneously terminated before 20 weeks gestation, or terminated by an induced procedure |
| **Number of Induced Terminations of Pregnancy[§]** | Enter the total number of prior induced terminations[§] or fetal reductions<br><br>Induced terminations at any gestational age should be counted | If this child was the mother's first pregnancy or if all previous pregnancies resulted in live births or spontaneous terminations, enter "None" | **INCLUDE** any induced terminations or fetal reduction to fetuses of the set<br><br>Enter "None" **only** if this was the mother's first pregnancy AND all of the preceding children of the set were born alive or spontaneously terminated; **OR** all previous pregnancies AND all of the preceding children of the set were born alive or spontaneously terminated |

[†] A ***spontaneous termination*** can also be called a miscarriage, missed abortion, spontaneous abortion, stillbirth, or fetal death, and should also include any recognized spontaneous loss of a product of conception or ectopic pregnancy.

[§] An ***induced termination*** can also be called an induced abortion or voluntary abortion. Fetal reductions performed for multiple pregnancies are classified as induced terminations.

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**SECTION A:  How would you fill in the pregnancy history data fields
for each of the following scenarios?**

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### Scenario 1
This child is a singleton and the mother's first live birth.  She had an abortion in May 1997 and a miscarriage at ten weeks gestation in October 2007.

### Scenario 2
This child is a singleton born at 35 weeks gestation.  The mother has three other children: a singleton born January 2000 and twins born April 2003.  All were full-term and are still living.  The mother had spontaneous termination at nine weeks gestation in February 2007.

### Scenario 3
This child is a singleton.  The mother had one other pregnancy, a set of twins delivered at 36 weeks gestation in October 2004.  Twin A was 2547 grams and Twin B was stillborn at 2138 grams.  Twin A is still living.

### Scenario 4
You are entering a set of records for triplets born alive on December 2, 2009 at 36 weeks gestation.  The birth weights for Triplets A, B, and C, respectively, are 2471 grams, 2701 grams, and 2312 grams.  The mother has one other child, born full-term in May 2002, who is still living.  She had an ectopic pregnancy identified and treated at five weeks gestation in July 2006.

| SECTION B:  Identify what, if anything, is wrong with each of the following entries. |
|---|

*Hint: Pay attention to the plurality of the child as well as the pregnancy history entries.*

## Entry 1

| | |
|---|---|
| Number delivered in this pregnancy | Twin |
| If more than one, number of this child in order of delivery | Second |
| If not single birth, number of infants in this delivery born alive | 2 |

### Total Number of Previous Live Births

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| None | None | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| | |

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

### Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 1 | MAR/2006 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| 1 | None | None |

## Entry 2

| | |
|---|---|
| Number delivered in this pregnancy | Single |
| If more than one, number of this child in order of delivery | Not Applicable -singleton |
| If not single birth, number of infants in this delivery born alive | |

### Total Number of Previous Live Births

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 1 | 1 | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| APR/2003 | JAN/2005 |

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

### Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 2 | OCT/2001 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| 1 | None | None |

## Entry 3

**Number delivered in this pregnancy:** Single

**If more than one, number of this child in order of delivery:** Not Applicable -singleton

**If not single birth, number of infants in this delivery born alive:** [blank]

### Total Number of Previous Live Births

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 2 | 1 | 1 |

**Date of First Live Birth:** [blank]

**Date of Last Live Birth:** [blank]

### Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| 3 | 1 |

### Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

**Total Number of other Pregnancy Outcomes:** 1

**Date of Last Other Pregnancy Outcome:** [blank]

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| None | None | Unknown |

## Entry 4

Background: The DOB for this child is 12/6/09. Mother has a two year old at home.

**Number delivered in this pregnancy:** Twin

**If more than one, number of this child in order of delivery:** Second

**If not single birth, number of infants in this delivery born alive:** 1

### Total Number of Previous Live Births

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 1 | 1 | None |

**Date of First Live Birth:** SEP/2007

**Date of Last Live Birth:** SEP/2007

### Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

### Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

**Total Number of other Pregnancy Outcomes:** 1

**Date of Last Other Pregnancy Outcome:** DEC/2008

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| None | 1 | None |

SECTION A:  How would you fill in the pregnancy history data fields
for each of the following scenarios?

## Scenario 1

This child is a singleton and the mother's first live birth.  She had an abortion in May 1997 and a miscarriage at ten weeks gestation in October 2007.

| Total Number of Previous Live Births | | |
|---|---|---|
| **Total Number of Previous Live Births** | **Number born alive and now living** | **Number born alive and now dead** |
| None | None | None |
| **Date of First Live Birth** | **Date of Last Live Birth** | |
|  |  | |

| Those born alive may have been Preterm, Low Birth Weight or both. Please indicate | |
|---|---|
| **Number Preterm (<37 wks)** | **Number Low Birth Weight (<2500 grams or 5 lbs 8 oz)** |
| None | None |

| Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations) | | |
|---|---|---|
| **Total Number of other Pregnancy Outcomes** | **Date of Last Other Pregnancy Outcome** | |
| 2 | OCT/2007 | |
| **Number of Spontaneous Terminations of Pregnancy less than 20 weeks** | **Number of Spontaneous Terminations of Pregnancy 20 weeks or more** | **Number of Induced Terminations of Pregnancy** |
| 1 | None | 1 |

## Scenario 2

This child is a singleton born at 35 weeks gestation.  The mother has three other children: a singleton born January 2000 and twins born April 2003.  All were full-term and are still living.  The mother had spontaneous termination at nine weeks gestation in February 2007.

| Total Number of Previous Live Births | | |
|---|---|---|
| **Total Number of Previous Live Births** | **Number born alive and now living** | **Number born alive and now dead** |
| 3 | 3 | None |
| **Date of First Live Birth** | **Date of Last Live Birth** | |
| JAN/2000 | APR/2003 | |

| Those born alive may have been Preterm, Low Birth Weight or both. Please indicate | |
|---|---|
| **Number Preterm (<37 wks)** | **Number Low Birth Weight (<2500 grams or 5 lbs 8 oz)** |
| None | None |

| Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations) | | |
|---|---|---|
| **Total Number of other Pregnancy Outcomes** | **Date of Last Other Pregnancy Outcome** | |
| 1 | FEB/2007 | |
| **Number of Spontaneous Terminations of Pregnancy less than 20 weeks** | **Number of Spontaneous Terminations of Pregnancy 20 weeks or more** | **Number of Induced Terminations of Pregnancy** |
| 1 | None | None |

### Scenario 3

This child is a singleton. The mother had one other pregnancy, a set of twins delivered at 36 weeks gestation in October 2004. Twin A was 2547 grams and Twin B was stillborn at 2138 grams. Twin A is still living.

**Total Number of Previous Live Births**

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 1 | 1 | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| OCT/2004 | OCT/2004 |

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| 1 | None |

> Notice that here you only count the previous twin born alive (Twin A).

**Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)**

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 1 | OCT/2004 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| None | 1 | None |

> Notice that here you account for the previous stillborn twin (Twin B).

### Scenario 4

You are entering a set of records for triplets born alive on December 2, 2009 at 36 weeks gestation. The birth weights for Triplets A, B, and C, respectively, are 2471 grams, 2701 grams, and 2312 grams. The mother has one other child, born full-term in May 2002, who is still living. She had an ectopic pregnancy identified and treated at five weeks gestation in July 2006.

**Triplet A:**

**Total Number of Previous Live Births**

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 1 | 1 | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| MAY/2002 | MAY/2002 |

> This section reports the child born in May 2002.

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

**Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)**

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 1 | JUL/2006 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| 1 | None | None |

> The ectopic pregnancy is counted as a spontaneous termination at less than 20 weeks.

## Triplet B:

**Total Number of Previous Live Births**

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 2 | 2 | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| MAY/2002 | DEC/2009 |

> Now this section reports the child born in May 2002 AND Triplet A.

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

> Notice Triplet A is NOT counted here (though preterm and low birth weight) because these two fields are only **previous** pregnancies.

Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 1 | JUL/2006 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| 1 | None | None |

## Triplet C:

**Total Number of Previous Live Births**

| Total Number of Previous Live Births | Number born alive and now living | Number born alive and now dead |
|---|---|---|
| 3 | 3 | None |

| Date of First Live Birth | Date of Last Live Birth |
|---|---|
| MAY/2002 | DEC/2009 |

> Now this section reports the child born in May 2002 AND Triplets A and B.

Those born alive may have been Preterm, Low Birth Weight or both. Please indicate

| Number Preterm (<37 wks) | Number Low Birth Weight (<2500 grams or 5 lbs 8 oz) |
|---|---|
| None | None |

Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations)

| Total Number of other Pregnancy Outcomes | Date of Last Other Pregnancy Outcome |
|---|---|
| 1 | JUL/2006 |

| Number of Spontaneous Terminations of Pregnancy less than 20 weeks | Number of Spontaneous Terminations of Pregnancy 20 weeks or more | Number of Induced Terminations of Pregnancy |
|---|---|---|
| 1 | None | None |

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**SECTION B:  Identify what, if anything, is wrong with each of the following entries.**

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**Entry 1**
- This is a second live-born twin, but the Total Number of Previous Live Births = 0.
- The information on the first twin is missing.

**Entry 2**
- There is only one previous live birth but the Date of First Live Birth and the Date of Last Live Birth do not match.
- The Total Number of Other Pregnancy Outcomes is not equal to the sum of its parts.

**Entry 3**
- All dates for previous pregnancies are missing.
- The Number Preterm is greater than the Total Number of Previous Live Births.
- If the Total Number of Other Pregnancy Outcomes = 1 and it is known that the mother had no spontaneous terminations, then the Number of Induced Terminations should = 1.

**Entry 4**
Nothing is wrong with this entry!  All is correct:
- The mother's previous child is correctly accounted for in the previous live birth fields.
- Since you can see that this is the second twin but the only one born alive, you must record the first twin as a previous other pregnancy outcome.