Volume III
Variable File

Part B: Data Item Creation Methods

December 1983

Prepared for
NINCDS National Institute of Neurological and Communicative Disorders and Stroke
under Contract 2311105150
LEGAL NOTICE

This report was prepared by Battelle as an account of sponsored research activities. Neither Sponsor nor Battelle nor any person acting on behalf of either

MAKES ANY WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, with respect to the accuracy, completeness, or usefulness of
the information contained in this report, or that the use of any information, apparatus, process, or composition disclosed in this report may not
infringe privately owned rights, or

Assumes any liabilities with respect to the use of, or for damages resulting from the use of, any information, apparatus, process, or composition
disclosed in this report.
NINCDS COLLABORATIVE PERINATAL PROJECT:
A USER'S GUIDE TO THE PROJECT AND DATA

Volume II.
Variable File

Part B. Data Item Creation Methods

CF Watson
DF Woods

December 1983

Prepared for
National Institute of Neurological
and Communicative Disorders and Stroke
under Contract N01-NS-2-1550

Battelle
Pacific Northwest Laboratories
Richland, Washington 99354
INTRODUCTION

OBJECTIVES AND USER ASSUMPTIONS

Volume III, Variable File, provides users with a complete list of all data items included on the NIPS Variable File tape and documentation for how these items were created. The user of this volume is assumed to be a researcher interested in obtaining data from the variable file.

STRUCTURE OF THE VARIABLE FILE AND VOLUME III

The variable file summarizes and compiles some of the most useful items on the master file. In some cases, information from two or more forms are combined, allowing users to shorten or avoid lengthy interrogations on the master file. The variable file contains data on all aspects of the perinatal study, with the exception of data pertaining to seven or eight year exams.

Each field on the variable file was obtained through computer interrogation of the master file. Volume III contains an index of data items on the file and descriptions of the logical procedures followed in creating the fields derived.

Part A, Index of Data Items, contains a computerized listing of all data items contained in the variable file. This index includes, for each data item, a unique data item identification number, location on the tape, the data item name and definition of codes used.

Part B, Data Item Creation Methods, contains detailed documentation for how each variable was created. For each item on the file, we've included a description of the file, location on the tape, identification number, date of approval for use in the perinatal study and the method used in creating or calculating the data item.

Three types of forms have been used in documenting data items described in Part A. The most frequently used contains a description of the field, tape location of the variable, approval date, remarks (interval codes or current care by the NIPS staff), and caricatured sources for data matched to code and codes used. Procedures followed in coding variables are described on a second type of form, which contains a description of the field, tape location and approval date. Procedures appear in lieu of remarks and coding information. The third type of form contains coding information for variables.
classified as group/interval codes. These forms are identical to the first type of form, with the exception that card/column sources are omitted.

In Volume III, data items contained in the variable file are ordered by tape location. A data item identification number (5123...VAR, for example), also ordered consecutively, allows investigators to cross reference data items to other volumes of this user's guide. Names given for data items in Volume III are given as they appear on MINICBS records and tapes and also as terse, stylized data item names created for the user's guide.

All data items in the variable file have been referenced in Volume III, including group/interval codes and descriptions of basic cohorts. Each data item stands alone with the exception of switch codes for 08-69 (5012...VAR), PEEo (5412....VAR) and PEE-12 (5619...VAR). The switch location indicates if any data on specific diseases or conditions are present, while subsequent locations indicate presence or absence of specific conditions. Researchers will find it easiest to determine first if data exist by examining the switch location before going to codes for the specific condition. This procedure will also prevent the false conclusion that a disease or condition did not exist, when in reality, no data were available for any conditions.

**EXAMPLE USE OF VOLUME III**

The most likely point of entry into Volume III will be from one of the indexes where all data items are listed. For data items of interest that are in the variable file, researchers will be directed to this volume.

Suppose, for example, you examine the alphabetic dictionary and discover that the item "gestation at delivery" is 6911...VAR is at tape location 1111-1111 of the VHF Variable File. To look up gestation at delivery and determine if data were included, you would begin with Part I. Part I reveals that the codes for this data item were assigned in that set the factor of weeks for gestation at delivery which is 5911...VAR, as given in data locations 1111 and 1112. If a 5911...VAR code is present in this file, the user can assume that gestation at delivery was included. You would then go to Part I to find out what cards from the factor file were used in determining gestation at delivery, or in some other method was used. Part I reveals that cards 1101-3401 (P91-i) and 1144

**III.8.4**
used in obtaining LMP date. Additional cards, used in the absence of the 1401 series, included cards 1402-5402, 1403-5405, 1406-4076, 1407-5404, 1416, 1417 and 1418. The calculation of weeks was performed by determining the number of days between the date of birth and date of LMP, dividing this result by 7 and rounding off to the nearest week.

**MASTER FILE CARD NUMBER AND HMOE CASE NUMBER RATIONALE**

Computer cards for each HCPP study form are numbered to reflect their origin and possible revisions. Card numbers are assigned to identify the type of data (subject), the presence of multiple cards in a series, HCPP study form and form revisions. The first five digits of each card on the master file are the card number. The study forms and card numbers are given in Figure 1.

The first fourteen columns of each master file computer card contain the master file card number and the HMOE case number. Table 1 identifies the function of each of these columns.

**TABLE 1. Derivation of Master File Card Number and HMOE Case Number.**

<table>
<thead>
<tr>
<th>Contents</th>
<th>Columns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master File Card Number</td>
<td></td>
</tr>
<tr>
<td>card identifier</td>
<td>1</td>
</tr>
<tr>
<td>general subject matter</td>
<td></td>
</tr>
<tr>
<td>form number</td>
<td>5-6</td>
</tr>
<tr>
<td>revision code</td>
<td>7</td>
</tr>
<tr>
<td>HMOE Case Number</td>
<td></td>
</tr>
<tr>
<td>collaborating institute</td>
<td>8-13</td>
</tr>
<tr>
<td>type of patient selection</td>
<td></td>
</tr>
<tr>
<td>gravis identification number</td>
<td>9-12</td>
</tr>
<tr>
<td>order of the pregnancy</td>
<td>13</td>
</tr>
<tr>
<td>identifies child or grandchild</td>
<td>14</td>
</tr>
</tbody>
</table>

Column 1 identifies multiple cards in a series. It contains a zero for cards unique to a particular form (that is, no other cards are present), for example 01-3, or for cards where repetitive data are contained. Cards for 01-3 are an example of this second type. Seven categories of information are...
included on successive cards, but previous births in excess of four must be recorded on an add-on card. For card series where data entered are unique to a card and more than one card is required to complete the series, a "1" is used to designate the first card, for example OB-5, OB-57, PAT-2, and PED-14 are exceptions to these rules.

The second digit on the card reveals the general subject matter covered by the data on the card. All cards containing information pertaining to obstetrics, for example, are designated by a "3" in column 2; family histories are designated by a "5"; pathology with a "2"; pediatrics, with a "4"; and psychological testing with a "1".

Columns three and four reveal the form number. In the case of forms where old and new forms having different numbers are included together, the number of the latest form appears on the master file. This rule does not apply to data abstracted from several forms by NINCDS staff (PDI forms).

Column 5 of the card contains a revision code indicating which form or combination of forms was used in arriving at data on a particular card. A typical card will have one to three revision codes, with a zero indicating the first version of a form and "1", "2", and "3" indicating later revisions. As a rule, revision codes used on cards differ from card to card; investigators should check the definition of codes provided in Volume II to determine the meaning of revision codes used.

Each woman and child studied in the project received a unique case number (NINCDS case number) composed of nine digits, recorded in columns 6 through 14 of all master file cards. The case number identifies the institution, the mother and the child. The first two digits represented the collaborating institution (see Table I). The third digit indicated the type of patient selection. A "1" was used for patients selected for the central core study; a "6" indicated that a patient had been transferred from one institution to another, and a "7" indicated that the patient was part of a special study undertaken by the collaborating institution. The fourth through seventh digits were used to identify the gravida, while the eighth digit identified the order of the pregnancy or a given gravida in the project. The ninth digit was used to identify the gravida or child of the pregnancy; "8" indicated the gravida, "9" indicated the child of a single birth, "1" indicated the first child of a multiple birth, "2" indicated the second child of a multiple birth, etc.
TABLE 2. Collaborating Institutions and Their Code Number
(Columns six and seven of all master file cards.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Institution Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>Boston, Massachusetts Harvard Medical School Boston Lying-In Hospital Children's Hospital Medical Center</td>
</tr>
<tr>
<td>62</td>
<td>Minneapolis, Minnesota University of Minnesota hospital Health Sciences Center</td>
</tr>
<tr>
<td>63</td>
<td>New York, New York New York Medical College Metropolitan Hospitals</td>
</tr>
<tr>
<td>64</td>
<td>Portland, Oregon University of Oregon Medical School</td>
</tr>
<tr>
<td>65</td>
<td>Philadelphia, Pennsylvania University of Pennsylvania Pennsylvania Hospital The Children's Hospital of Philadelphia</td>
</tr>
<tr>
<td>66</td>
<td>Providence, Rhode Island Brown University Child Study Center</td>
</tr>
<tr>
<td>67</td>
<td>Memphis, Tennessee University of Tennessee College of Medicine Children's Hospital</td>
</tr>
</tbody>
</table>

DATA ITEM IDENTIFICATION RULES

The NCPP data base contains over 6000 different data items and blank filler locations on computer files. We have assigned each of these a unique identification and a terse, stylized name. Because names were chosen to facilitate use of this guide, they do not duplicate names used by NINDS during the active phase of the project. Users should consult appropriate documentation before using data items from the raster, variable or work files (Volumes II, III and IV).

The data item identifiers consist of 11 characters. At the far left are four unique numbers that were assigned sequentially. The next character is always a period and is followed by up to six characters. For data items in the master file, these characters describe the data collection form from which a data item was derived; for data items on the variable (VF) or work (WF) files, these characters indicate the appropriate file. In the right side is less than six characters, periods are inserted as shown in these examples: 

III.B.viii
We assigned the numbers sequentially as they appear in Volume V. For the master file, we followed the order in which the cards would be found within an MNEE case. All card columns are accounted for by one of our data item identifications. For the variable and work files, the numbers were assigned in the order that data items appear within a case.

We categorized each data item according to the person to whom the data refer, by the type of measurement and/or the time to which the item applies and by general type or subject area (Table 3). Then we assigned names to the data items using the following guidelines:

- The name and the three associated categories had to stand alone - they must describe the data item out of context.

- The first word in the data item name had to be an important or key word when all names were listed alphabetically as in Volumes VI and VII. Thus "cry, abnormal" was used rather than "abnormal cry" because a researcher is more likely to look for this item under "C" than under "A" in an alphabetic list.

- Secondary key words were preceded with a semicolon to facilitate preparation of the permuted index. For example, "abruption; placenta" will be found under both the "P" and "P" portion of Volume VI.

- Qualifying words are delimited by commas and will not appear as keywords in Volume VII. Thus "abruption; placenta, degree" will not be found in the "P" section.

- If medical terminology or usage has changed since the study was conducted, recent terms may be included and will be enclosed in brackets. Thus "renal failure; [von Willebrand's syndrome]" will appear under both the "M" and "O" portions of Volume VI.

- If measurement units are associated with a data item name, they are enclosed in parentheses and placed at the end of the name as in "Birthdate (yr.)".

- The categories (person, time and subject) are appended to the right of the data item name.
Definitions for each category used in naming data items are given in Table 4 at the end of this Introduction. Additional information is found in Chapter 3 of Volume I.

Data item names that appear in italics are mainly symbolic; as we have already indicated, they are not the names used by NHIS during the active phase of the project. For ease of use in tables, standardized names that could stand alone. These names are intended to facilitate a user's search for data items potentially useful in a research context. Where an item is used, a researcher should consult the complete documentation. For a data item from the master file, e.g., 000000-04, the data item should be traced to the appropriate study form, e.g., C-24, located in Volume II. A variable file data item, e.g., 010000-04, is traced to Volume III, where it is defined and its original source given. A data item traced from file is traced to Volume IV for its definition.

Some data items contained in the indexes may include the notation "DF 1970-1976." These items are either inaccurate or an alternative data item is available that gives better information. Users will find more appropriate data items by consulting one of the indexes to the data items in Volumes I, II, and III.
<table>
<thead>
<tr>
<th>Person</th>
<th>Time</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mother</td>
<td>General</td>
<td>Administrative</td>
</tr>
<tr>
<td>Father</td>
<td>Presented</td>
<td>Prenatal</td>
</tr>
<tr>
<td>Sibling</td>
<td>Assessment</td>
<td>Pregnancy</td>
</tr>
<tr>
<td>Child</td>
<td>Examination</td>
<td>Current Pregnancy</td>
</tr>
<tr>
<td>Housemate</td>
<td>Antepartum</td>
<td>Environment Exposure</td>
</tr>
<tr>
<td>Family</td>
<td>Delivery</td>
<td>Events</td>
</tr>
<tr>
<td>Father</td>
<td>Post Partum</td>
<td>Hearing</td>
</tr>
<tr>
<td>Recruit</td>
<td>Hospitalizations</td>
<td>Language</td>
</tr>
<tr>
<td>Four month</td>
<td>Birth</td>
<td>Damage</td>
</tr>
<tr>
<td>Eight month</td>
<td>Birth</td>
<td>Malformations</td>
</tr>
<tr>
<td>Three year</td>
<td>Birth</td>
<td>Birth &amp; Circ.</td>
</tr>
<tr>
<td>Four year</td>
<td>Birth</td>
<td>Ped. History</td>
</tr>
<tr>
<td>Speech</td>
<td>Birth</td>
<td>Observations</td>
</tr>
<tr>
<td>Eight year</td>
<td>Birth</td>
<td>Neurological Exam</td>
</tr>
</tbody>
</table>

III.B.xi
<table>
<thead>
<tr>
<th>PERSON</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mother</td>
<td>Own, regardless bearing the &quot;study pregnancy&quot; biologic mother of the &quot;study child&quot;'s parents.</td>
</tr>
<tr>
<td>Father</td>
<td>Biological father of the study child or &quot;study pregnancy&quot; or the case of transplacentation, the &quot;father&quot; category may indicate either the &quot;father of sex&quot; that necessarily &quot;husband to the mother&quot; or the &quot;husband&quot; not necessarily related biologically to the study child.</td>
</tr>
<tr>
<td>Spouse</td>
<td>The organ of metabolism and genetic exchange between the fetus and mother; also included in this category are gross and microscopic pathologic data from examination of the umbilical cord.</td>
</tr>
<tr>
<td>Fetus</td>
<td>Conceptus, the product of conception including the embryonic stage, i.e., from conception to the moment of birth.</td>
</tr>
<tr>
<td>Born</td>
<td>Product of the &quot;study pregnancy&quot; from the moment of birth forward; study child.</td>
</tr>
<tr>
<td>Survive</td>
<td>Union of persons constituting a legal marriage together with the children from one or both persons.</td>
</tr>
<tr>
<td>Family</td>
<td>Person or persons biologically related to the mother by father or the study child.</td>
</tr>
<tr>
<td>Living</td>
<td>Thinks of children having one or both of the same biologic parents as the study child; siblings half siblings, full siblings.</td>
</tr>
<tr>
<td>TIME</td>
<td>DEFINITION</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>General</td>
<td>Data, with no pertinent time period or data pertaining to more than one time period.</td>
</tr>
<tr>
<td>Preconception</td>
<td>Data pertaining to the period prior to conception of the study pregnancy.</td>
</tr>
<tr>
<td>Registration</td>
<td>Data collected at the time of study mother's registration in the study.</td>
</tr>
<tr>
<td>Prenatal</td>
<td>Data pertaining to the period from conception of the study pregnancy to delivery of the study child.</td>
</tr>
<tr>
<td>Admission</td>
<td>Data collected at the time of study mother's admission to the hospital for delivery of the study child.</td>
</tr>
<tr>
<td>Intrapartum</td>
<td>Data pertaining to the period from admission for delivery or onset of labor to delivery of the study child.</td>
</tr>
<tr>
<td>Delivery</td>
<td>Data pertaining to the time period during which delivery of the study child occurred.</td>
</tr>
<tr>
<td>Post Partum</td>
<td>Data pertaining to the study mother, collected during the period immediately following birth of the study child.</td>
</tr>
<tr>
<td>Neonatal</td>
<td>Data pertaining to the study child during the period from birth to one month of age; the majority of these data were collected prior to or at the time the study child was discharged from the hospital.</td>
</tr>
<tr>
<td>Four Month</td>
<td>Data collected at the time of the four month examination of the study child.</td>
</tr>
<tr>
<td>Eight Month</td>
<td>Data collected at the time of the eight month examination of the study child.</td>
</tr>
<tr>
<td>One Year</td>
<td>Data collected at the time of the one year examination of the study child.</td>
</tr>
<tr>
<td>Three Year</td>
<td>Data collected at the time of the three year examination of the study child.</td>
</tr>
<tr>
<td>Four Year</td>
<td>Data collected at the time of the four year examination of the study child.</td>
</tr>
<tr>
<td>Seven Year</td>
<td>Data collected at the time of the seven year examination of the study child.</td>
</tr>
<tr>
<td>Eight Year</td>
<td>Data collected at the time of the eight year examination of the study child.</td>
</tr>
</tbody>
</table>
**TABLE 4. Definition of Person, Time and Subject Categories (Cont.)**

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative</td>
<td>Data pertaining to the administrative aspects of the study.</td>
</tr>
<tr>
<td>Anesthesia</td>
<td>Data on medications and procedures used to obtain anesthesia.</td>
</tr>
<tr>
<td>Clin. Impression</td>
<td>Impression of abnormality or dysfunction gained by an examiner following evaluation of clinical signs and symptoms and including a subjective component.</td>
</tr>
<tr>
<td>Clinical Lab</td>
<td>Data obtained from laboratory examination of clinical specimens.</td>
</tr>
<tr>
<td>Current Pregnancy</td>
<td>Personal data and medically relevant information pertaining to the study pregnancy for which the mother is enrolled.</td>
</tr>
<tr>
<td>Environ. Exposure</td>
<td>Data on exposure to occupational or other environmental entities or hazards.</td>
</tr>
<tr>
<td>Events</td>
<td>Data related to a specific event, occurrence or incidence.</td>
</tr>
<tr>
<td>Hearing</td>
<td>Data obtained from examination and testing of hearing function.</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>Data on specific hospital admissions or the number of hospitalizations.</td>
</tr>
<tr>
<td>Language</td>
<td>Data obtained from examination and testing of language function.</td>
</tr>
<tr>
<td>Linkage</td>
<td>Data on the genetic relationships of family members to the study mother, father or child.</td>
</tr>
<tr>
<td>Malformations</td>
<td>Data on the conditions in which failure of normal development has resulted in abnormal physical traits existing at the time of birth.</td>
</tr>
<tr>
<td>Diag. &amp; Cond.</td>
<td>Data on specific diagnoses or conditions obtained from past medical history or examination during the study.</td>
</tr>
<tr>
<td>Med. History</td>
<td>Data obtained from the study participant or relevant words relevant to past or current medical diagnoses or conditions.</td>
</tr>
<tr>
<td>Medications</td>
<td>Data on drugs or medications used.</td>
</tr>
<tr>
<td>Neurological Exam</td>
<td>Data obtained from observation and physical examination of the central nervous system.</td>
</tr>
<tr>
<td>Observations</td>
<td>Data obtained from observations not categorized elsewhere.</td>
</tr>
<tr>
<td>Pathology</td>
<td>Data obtained from clinical and anatomical pathological examination.</td>
</tr>
<tr>
<td>Physical Exam</td>
<td>Data obtained from physical examination of the study participant.</td>
</tr>
<tr>
<td>Procedure</td>
<td>Data relating to specific procedures performed on the study participant prior to or during the period of enrollment in the study.</td>
</tr>
<tr>
<td>Psych. Exam</td>
<td>Data obtained from the psychological examinations and observations.</td>
</tr>
<tr>
<td>SUBJECT</td>
<td>DEFINITION</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Reproductive Hist.</td>
<td>Data pertaining to the outcome of pregnancies prior to and during the period of enrollment in the study.</td>
</tr>
<tr>
<td>Serology</td>
<td>Data obtained from the laboratory examination of serum by specific immuno logic methods.</td>
</tr>
<tr>
<td>Socioecon. Info</td>
<td>Data related to the social and economic characteristics and environment of the study participant.</td>
</tr>
<tr>
<td>Speech</td>
<td>Data obtained from examination and observation of speech function.</td>
</tr>
<tr>
<td>Vision</td>
<td>Data obtained from examination of the eyes.</td>
</tr>
<tr>
<td>Work History</td>
<td>Data pertaining to occupation and employment prior to and during the period of enrollment in the study.</td>
</tr>
<tr>
<td>X-Ray</td>
<td>Data on diagnostic x-rays and diagnostic or therapeutic radiological procedures.</td>
</tr>
<tr>
<td>Summary</td>
<td>Data presented as a summary of data collected and recorded elsewhere.</td>
</tr>
<tr>
<td>Gyn. History</td>
<td>Medical history specifically related to the female genital tract, reproductive physiology and endocrinology.</td>
</tr>
<tr>
<td>Special Studies</td>
<td>Data pertaining to participation in other special organized studies conducted during the period of enrollment in the study.</td>
</tr>
<tr>
<td>Fam/Genetic Hist.</td>
<td>Data on the medical histories of family members genetically related to the study child.</td>
</tr>
<tr>
<td>SLH Exam</td>
<td>Data obtained from the speech, language and hearing examinations not specifically or exclusively related to one of these areas.</td>
</tr>
</tbody>
</table>
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: HINDB Patient

<table>
<thead>
<tr>
<th>Location: 1-8 (4954...VAR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved:</td>
</tr>
<tr>
<td>Revised:</td>
</tr>
</tbody>
</table>

This is the standard 8 digit HINDB patient described in Volume I. The meaning of each digit is:

<table>
<thead>
<tr>
<th>Digit</th>
<th>Codes</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>05,10,15,66,06,31,</td>
<td>collaborating institution</td>
</tr>
<tr>
<td>1,2</td>
<td>37,45,50,55,60,66,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>71,82,93</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1,6,7</td>
<td>type of patient selection</td>
</tr>
<tr>
<td></td>
<td>1 = core</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 = transfer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 = non-core</td>
<td>(special study)</td>
</tr>
<tr>
<td>4-7</td>
<td>0001-9999</td>
<td>gravida ID - unique within institution</td>
</tr>
<tr>
<td>8</td>
<td>1-9</td>
<td>order of pregnancy in the study</td>
</tr>
<tr>
<td></td>
<td>1 = first study pregnancy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 = second study pregnancy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>etc.</td>
<td></td>
</tr>
</tbody>
</table>

III.B.1
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Plurality

**Location:** 9 (4955...VAR)

**Approved:**

**Revised:**

This 9th position of the HLNDB patient number identifies the plurality of the child of the woman identified in the first 8 positions.

<table>
<thead>
<tr>
<th>Codes</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>child of single birth</td>
</tr>
<tr>
<td>1</td>
<td>1st child of multiple birth</td>
</tr>
<tr>
<td>2</td>
<td>2nd child of multiple birth</td>
</tr>
<tr>
<td>3</td>
<td>3rd child of multiple birth</td>
</tr>
<tr>
<td>4</td>
<td>4th child of multiple birth</td>
</tr>
<tr>
<td>Blank</td>
<td>no child</td>
</tr>
</tbody>
</table>
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Birth Switch

Location: 10 (4956...VAP)

Approved: ______________

Revised: ______________

The Birth Switch indicates the type of birth.

<table>
<thead>
<tr>
<th>Codes</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>single</td>
</tr>
<tr>
<td>2</td>
<td>twin</td>
</tr>
<tr>
<td>3</td>
<td>triplet</td>
</tr>
<tr>
<td>4</td>
<td>quad</td>
</tr>
</tbody>
</table>
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Repeat Switch
Location: 11 (4957...VAR)
Approved: 
Revised: 

0 = No repeat pregnancy registered in the study
1 = Repeat pregnancy or pregnancies registered in the study
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Order Within Repeat

Location: 12 (4958...VAR)

Approved: __________
Revised: __________

0 = No repeat pregnancy registered in the study
1 = 1st pregnancy registered in the study
2 = 2nd pregnancy registered in the study
3 = 3rd pregnancy registered in the study
etc.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort 1-A

Location: 13 (4959...VAR)

Approved: ____________

Revised: ____________

If a patient is in Cohort 1-A (as defined in Volume 1, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort 1-B  
Location: 14 (4960...VAR)  
Approved:  
Revised:  

If a patient is in Cohort 1-B (as defined in Volume I, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description:  Cohort i-C

Location:  15 (4961...VAR)

Approved:  

Revised:  

If a patient is in Cohort I-C (as defined in Volume I, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Plans

Location: 16

Approved: ____________

Revised: ____________

The location was purposely left blank in the creation of the variable file.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Core-Non Core Code

Location: 17 (4963...VAP)

Approved: 4/25/69

Revised: 

Remarks: 

Card Sources | Columns | Codes | Recodes*
---|---|---|---
0001 | 00 | 1, 2 = Core

7 = Non-Core

Blank

*An asterisk in recode column means transfer codes verbatim.

III.B.10
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Walk-in

**Location:** 18 (4964...VAR)

**Approved:**

**Revised:**

**Remarks:**

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>76</td>
<td>0 = No</td>
<td>Blank</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blank = No</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = Yes</td>
<td>*</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.11
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort I-B

Location: 19 (4965...VAR)

Approved: 

Revised: 

If a patient is in Cohort I-B (as defined in Volume I, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort IID (REV)

Location: 20 (4966...VAR)

Approved: 

Revised: 

If a patient is in Cohort IID (as defined in Volume I, Appendix B), a "1" will appear in this position.
## VARIABLE FILE FIELD DERIVATION METHOD

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Location: 21 (4967...VAR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Document</td>
<td></td>
</tr>
<tr>
<td>Cohort Switch</td>
<td></td>
</tr>
</tbody>
</table>

Approved: __________________  
Revised: __________________

If a patient is in the Basic Document Cohort (as defined in Volume I, Appendix B), a "1" will appear in this position.

1 = Cohort 1c less abortions
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Labor and Delivery

Switch (1 = 08-34, 2 = 08-55)

Location: 22 (4968...VAR)

Approved: 

Revised: 

Since there was a major revision of the labor and delivery forms midway in the study, this switch was added to aid in analysis.

1 = 0B34 data for case
2 = 0B55 data for case
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort IIA

Location: 23 (4969...VAR)

Approved: ______________

Revised: ______________

If a patient is in Cohort IIA (as defined in Volume I, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cohort IIB

Location: 24 (4970...VAR)

Approved:

Revised:

If a patient is in Cohort IIB (as defined in Volume I, Appendix B), a "1" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

<table>
<thead>
<tr>
<th>Field Description:</th>
<th>Location: 25 (4971...VAR)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Approved:</td>
</tr>
<tr>
<td></td>
<td>Revised:</td>
</tr>
</tbody>
</table>

If a patient is in Cohort IIC (as defined in Volume I, Appendix B), a "I" will appear in this position.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Test File Case

Location: 26 (4972...VAR)

Approved: 

Revised: 

If this patient was on the test file, this variable was set to 1.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Blank

Location: 27-30

Approved: 

Revised: 

These locations were purposely left blank in the creation of the variable file.
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Age of Gravida (Years)  

**Location:** 31-32 (4974...VAR)  

**Approved:** 5/19/69  

**Revised:**  

**Remarks:**  

Card Sources | Columns | Codes | Recodes*  
--- | --- | --- | ---  
0001 | 72-73 | 10-58, 99 = Unknown | *  

*An asterisk in recode column means transfer codes verbatim.*

III.B.21
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Age of Gravida (Years)  Location: 33 (4975...VAR)

Group/Interval Code

Approved: 

Revised: 

Remarks:

<table>
<thead>
<tr>
<th>Recode from Location 31-32 (4974...VAR)</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age of Gravida (Years)</td>
<td>&lt;14 (Codes 10-14)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>15-19</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>20-24</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>25-29</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>30-34</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>35-39</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>40-44</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>≥45 (Codes 45-58)</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>99 = unknown</td>
<td>9 = unknown</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Gestation at Registration (Weeks)

**Location:** 34-35 (4976...VAR)

**Approved:** 5/19/69

**Revised:**

**Remarks:**


**Card Sources** | **Columns** | **Codes** | **Recodes**
---|---|---|---
0001 | 74-75 | 01-50 99 (Unknown) | *

*An asterisk on recode column means transfer codes verbatim.*
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Marital Status  
**Location:** 36 (4977...VAR)  
**Approved:**  
**Revised:**  

**Remarks:**


<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes</th>
</tr>
</thead>
</table>
| 0001         | 62      | 1 = Single  
2 = Married  
3 = Common Law  
4 = Widowed  
5 = Divorced  
6 = Separated  
9 = Unknown |         | *          |

*An asterisk in recode column means transfer codes verbatim.*

III.B.24
## VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Trimester at Registration (Weeks)  
**Location:** 37 (4978...VAR)  
**Approved:**  
**Revised:**  

**Remarks:**


<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>74-75</td>
<td>01-50, 99</td>
<td>1 = codes 01-14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 = codes 15-27</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 = codes 28-50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 = code 99</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description:  Last Prior Outcome: Location: 38-39 (4979...VAR)
Survival

Approved: 7/66
Revised:

Remarks:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0302 card. If no 0302 then all 1302-7302 cards present.</td>
<td>See attached procedure.</td>
<td>00 = No prior outcome 01 = Fetal Death 02 = Died within 24 hours 03 = Died after 24 hours but before 7 days 04 = Died 7 days to 27 days 05 = Died 28 days to 1 year 06 = Died after 1 year 07 = Still living 96 = Liveborn but died in same month and year as birth 97 = Liveborn but died in same year as birth 98 = Liveborn but died, age unknown 99 = Unknown survival</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.26
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Last Prior Outcome: Location: 38-39 (4979...VAR)
Survival

Approved:
Revised:

Last Prior Outcome: Survival

Source - 0302 card. If no 0302, then all 1302-7302 cards present. Number of prior products - cols. 17-18.

<table>
<thead>
<tr>
<th>Date of Termination</th>
<th>Age at Death</th>
<th>Liveborn</th>
</tr>
</thead>
<tbody>
<tr>
<td>cols.</td>
<td>col.</td>
<td>col.</td>
</tr>
<tr>
<td>Product Field 1</td>
<td>19-22</td>
<td>32</td>
</tr>
<tr>
<td>Product Field 2</td>
<td>34-37</td>
<td>47</td>
</tr>
<tr>
<td>Product Field 3</td>
<td>49-52</td>
<td>62</td>
</tr>
<tr>
<td>Product Field 4</td>
<td>64-67</td>
<td>77</td>
</tr>
</tbody>
</table>

1. Use all cards present. Each card contains data for up to four prior products.
2. If cols. 17-28 = code 00, recode case as "00 - No prior outcome." No further checks necessary.
3. Scan all cards for latest known date of termination (month and year). If month = 99 and year is known, use year. If year = 99, consider date as unknown. If no known date, classify as "99 - Unknown Survival."
4. Check corresponding liveborn column. If code = 0 or 2, recode case as "01 - Fetal Death." No further check necessary.
5. If liveborn col. ≠ 0 or ≠ 2, check corresponding age at death col. Recode case as follows:
   
<table>
<thead>
<tr>
<th>code</th>
<th>recode</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>07</td>
</tr>
<tr>
<td>1</td>
<td>02</td>
</tr>
<tr>
<td>2</td>
<td>03</td>
</tr>
<tr>
<td>3</td>
<td>04</td>
</tr>
<tr>
<td>4</td>
<td>05</td>
</tr>
<tr>
<td>5</td>
<td>06</td>
</tr>
<tr>
<td>6</td>
<td>96</td>
</tr>
<tr>
<td>7</td>
<td>97</td>
</tr>
<tr>
<td>8</td>
<td>98</td>
</tr>
<tr>
<td>9</td>
<td>99</td>
</tr>
</tbody>
</table>

6. Multiple Births - If latest known date present in more than one product field, classify case once according to last product field with that date. Recode as in "4" and "5" above.

III.B.27
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Last Prior Outcome: Location: 40-43 (4980...VAR)
Birthweight (Grams) Approved: 7/69

Revised:

Remarks:


Card Sources | Columns | Codes | Recodes*
--- | --- | --- | ---
0302 card. if no 0302 then all 1302-7302 cards present | See attached procedure | 0000 = No prior outcome 0001-7400 = As given in grams 9999 = Unknown | |

*An asterisk in recode column means transfer codes verbatim.

III.B.28
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Last Prior Outcome: Birthweight
Location: 40-43 (4980...VAR)
Approved: 
Revised: 

Last Prior Outcome: Birthweight

Sources - 0302 card. If no 0302 then all 1302-7302 cards present.
Number of Prior Products - cols. 17-28.
Date of Termination - cols. 19-22, 34-37, 49-52, 64-67.
Birthweight - cols. 26-31, 43-46, 52-61, 73-76.

1. Use all cards present. Each card contains data for up to four prior products.
2. If cols. 17-19 = code 00, recode case as "6000 - No prior outcome." No further check necessary.
3. Scan all cards for latest known date of termination (month and year).
   If month = 99 and year is known, use year. If year = 99, consider date as unknown. If no known date, classify case as "9999 - Unknown."
4. Using corresponding birthweight cols., convert pounds and ounces to grams. ("Weight Conversion" table is attached.) Recode case by birthweight in grams. If ounces unknown (code 99), assume 08 and convert as above. If pounds unknown (code 99), recode case as "9999 - Unknown."
5. Multiple Births - If latest known date present in more than one product field, classify case once according to last product field with that date. Convert corresponding birthweight and recode as in "4" above.

III.b.29
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Last Prior Outcome:  
Birthweight  

Location: 40-43 (4980...VAR)
Approved: 
Revised: 

Weight Conversion: Pounds and Ounces to Grams

Use cards and cols. previously indicated in specifications.

CONVERSION FORMULA:

\[ \text{Lbs.} \times 453.59 + \text{Oz.} \times 28.35 = \text{Grams} \]

NOTE: If ounces unknown (code 99), assume 08.
If pounds unknown (code 99), classify weight as unknown.
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Prior Pregnancies:  
**Location:** 44-45 (4981...VAR)  
**Number (Gravidity):**  
**Approved:**  
**Revised:**

**Remarks:**

---

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0302</td>
<td>17-18</td>
<td>00-28</td>
<td>*</td>
</tr>
<tr>
<td>1-7302</td>
<td>17-18</td>
<td>99 = Unknown</td>
<td></td>
</tr>
<tr>
<td>1505</td>
<td>27-28</td>
<td>30-25</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.*
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:**  
Parity (Prior Non-Abortion Pregnancies: ≥ 20 weeks  
Gestation)

**Location:**  
46-47 (4982...VAR)

**Approved:**  
4/10/69

**Revised:**

**Remarks:**

---

**Card Sources** | **Columns** | **Codes** | **Recodes**
---|---|---|---
See attachment | 00 = Prior pregnancy but no prior viable  
01-28 = Number of prior viables  
22 = No prior pregnancy  
99 = Unknown

*An asterisk in recode column means transfer codes verbatim.

III.B.32
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Parity (Prior Non-Abortion Pregancies: ≥20 weeks
Gestation

Prior Non-Abortion Pregancies (Parity or Viable Pregancies)

The number of prior pregnancies with gestational interval ≥20 weeks is
determined by scanning the data on the 0302 card. If no 0302 card is
present then all the same fields on all 1302-7302 cards that are present are
used. Col's. are the same for all cards.

Calculations
\[
\text{Number of Prior Non-Abortion Pregancies} = \text{Number of Prior Pregnancies} - \text{Prior Pregnancies} \leq 19 \text{ weeks gestation}
\]

Data Sources

Total Number of Prior Pregnancies - cols. 17-18. If code 00, recode case as
"88 - No Prior Pregnancy" and no further checks are necessary.

Number of Prior Pregnancies with Gestation Interval ≤19 weeks

To determine the number of prior pregnancies products with gestational
intervals ≤19 weeks both date of termination and weeks of gestation of all
products must be analyzed.

1. Products with equal dates of termination and weeks of gestation are
   all ≤19 weeks are counted as one prior pregnancy with weeks ≤19.
2. If all weeks = code 99, classify case as "99 - Unknown."
3. Products with equal dates of termination and weeks of gestation are
   not all ≤19 weeks are not counted as one prior pregnancy of ≤19
   weeks.
4. Products with different dates of termination and weeks of gestation
   are ≤19 weeks are counted as one prior pregnancy of 19 weeks or
   less.


Add List of Unk Parity (Vollman's Hand Review)

For all cases with no 0302 card present or with 0302 card present and coded
"99" above, use 80000 card (CDC G9019 Card Tape). Move parity code (as
given) into this variable.

III.B.33
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Prior Perinatal Loss

Location: 48-49 (4983...VAR)

Approved: 

Revised: 

Remarks: 

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>See attached procedure</td>
<td>00 = No prior perinatal loss</td>
<td>01-07 = As given</td>
</tr>
<tr>
<td></td>
<td>08 = 8 or more</td>
<td>88 = No prior pregnancy</td>
</tr>
<tr>
<td></td>
<td>99 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

Recodes*: An asterisk in recode column means transfer codes verbatim.

III.B.34
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Prior Perinatal Loss

Location: 48-49 (4983...VAR)

Approved:

Revised:

Prior Perinatal Loss

1. 0302 card. If no 0302 card then all 1302-7302 cards present. If cols. 15-16 = code 00, recode case as "88 - no prior pregnancy." No further check necessary.
2. If cols. 15-16 ≠ code 00, then check cols. 25, 40, 55, 70 and cols. 32, 47, 62, 77. (Note: blanks may be present.)
   a. Scan each col. 25, 40, 55, 70 and count number of times codes 0,2 are present.
   b. Scan each col. 32, 47, 62, 77 and count number of times codes 1,2,3 are present.
   c. Add together the counts from a. and b. and recode as below.
3. If cols. 25, 40, 55, 70 all = codes 1,3 and cols. 32, 47, 62, 77 all = codes 0,4,5, recode case as "00 - no prior perinatal loss."
4. For all cases not classified above, go to 1505 card. If cols. 27-28 = code 00, recode case as "88 - no prior pregnancy." No further check necessary.
5. If cols. 27-28 ≠ code 00, check cols. 64, 65 and 73.
   a. If any col. ≠ code 1-8, add the codes from these three cols. and recode sum as below.
   b. If all cols. = code 0, recode case as "00 - no prior perinatal loss."
6. All cases not classified above but with any card 0302, 1302-7302, 1505 present, recode case as "99 - unknown."

<table>
<thead>
<tr>
<th>Sum</th>
<th>Recode</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7</td>
<td>01-07</td>
</tr>
<tr>
<td>8-28</td>
<td>08</td>
</tr>
</tbody>
</table>

III.B.35
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Prior Viable Births:  
**Location:** 50-51 (4984...VAR)  
**Number:**  
**Approved:**  
**Revised:**  

**Remarks:**

---

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>See attached procedure.</td>
<td>00 = Prior births but no viables</td>
<td>01-07 = As given</td>
<td>08 = 8 or more</td>
</tr>
<tr>
<td></td>
<td>88 = No prior pregnancy</td>
<td>99 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Prior Viable Births: Number

**Location:** 50-51 (4984...VAR)

**Approved:** 10/9/69

**Revised:** 10/23/69

Prior Viable Births: Number

1. 0362 card. If no 0362 card, then all 1302-7362 cards present. If cols. 15-16 = code 00, recode case as "88 - no prior pregnancy." No further check necessary.

2. If cols. 15-16 ≠ 00, then check weeks of gestation - cols. 23-24, 38-39, 53-54, 68-69. (Note: blanks may be present.)
   a. Count number of cols. with codes 20-50, 99 present and recode sum as below.
   b. If all cols. = codes 01-69, recode case "00 - Prior births but no viables."

3. For all cases not classified above, go to 1505 card. If cols. 27-28 = code 0, recode case as "88 - no prior pregnancy." No further check necessary.

4. If cols. 27-28 ≠ code 00, check cols. 65-67.
   a. If col. 65 = code 0 and cols. 66-67 = code 00, recode case as "00 - Prior births but no viables."
   b. If col. 65 = codes 1-8 and/or cols. 66-67 = codes 01-25, add together the codes from these cols. and recode sum as below.

5. All cases not classified above but with any card 0362, 1302-7302, 1505 present, recode case as "99 - Unknown."

<table>
<thead>
<tr>
<th>Sum</th>
<th>Recode</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7</td>
<td>01-67</td>
</tr>
<tr>
<td>8-33</td>
<td>08</td>
</tr>
</tbody>
</table>
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Cigarettes Per Day Now
Location: 52-53 (4985...VAR)
Approved: 4/21/69
Revised: 

Remarks: The source below the line in the table below is the secondary source.

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0303</td>
<td>63-64</td>
<td>00-61, 70, 80, 99</td>
<td>*</td>
</tr>
</tbody>
</table>
| 0308         | See Tape
Locations 75-80
(4994...VAR;
08-8 First
Date). Use
data from card
selected for
this variable | 63-64   | 00-61, 70, 80, 99 | *        |

*An asterisk in recode column means transfer codes verbatim.

III.B.38
## VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Cigarettes Per Day Now  
**Location:** 54 (4986...VAR)  
**Group/interval Code:**  
**Approved:**  
**Revised:**  

**Remarks:** 0 = non smoker, 1 = smoker, 9 = unknown

<table>
<thead>
<tr>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>*</td>
</tr>
<tr>
<td>01-60</td>
<td>1</td>
</tr>
<tr>
<td>61</td>
<td>1</td>
</tr>
<tr>
<td>70</td>
<td>1</td>
</tr>
<tr>
<td>80</td>
<td>1</td>
</tr>
<tr>
<td>99</td>
<td>9</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.39
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Prenatal Visits: Location: 55-56 (4987...VAR)
Total Number

Approved: 5/19/69
Revised: 10/30/69

Remarks:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>See attached</td>
<td>01-97</td>
<td>98 = &gt;98</td>
<td></td>
</tr>
<tr>
<td>procedure</td>
<td></td>
<td>99 = unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Prenatal Visits

**Location:** 55-56 (4987...VAR)

**Approved:** 5/19/69

**Revised:** 10/30/69

Determination of Number of Visits

**Sources:**

**Date of Registration:** 0001 card, cols. 32-43

**Date of Delivery:** See Duration of Pregnancy (Tape location 1101-1102; 5920...VAR) for date of birth.

**Actual Visits (Different Dates):**
- Presence of a 0305 card, cols. 15-20 = 1 visit
- Each 0308 card, cols. 15-20 = 1 visit
- Any 1309-4309 card, cols. 15-20 = 1 visit
- 0342 card, cols. 15-20 = 1 visit
- Any 1343-2343 card, cols. 15-20 = 1 visit
- Each 0344 card, cols. 12-24 = 1 visit

**Date Fields:** For cards 0303, 0308, 1309-4309, 0342, 1343-2343 date fields = cols. 15-20. For 0344 cards date fields = cols. 19-24.

**Procedures:**

1. **Determination of period between Date of Registration and Date of Delivery.** If either date unknown, classify as 99 (unknown).
   a. **Date of Registration = Start of period.**
   b. **Date of Delivery = End of period.**
   c. **Check required forms for dates falling within this time interval.**

2. **Count the number of visits at different dates.**
   - Result = recode (2 digits). Result = 58 recode 58.

If all dates for all card types is unknown, the number of return visits = 1.

III.B.41
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Years Smoked at Registration

Location: 57-58 (4936...VAR)
Approved: 5/19/69
Revised: ____________

Remarks: ____________________________________________________________
______________________________________________________________
______________________________________________________________
______________________________________________________________
______________________________________________________________
______________________________________________________________

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>O363</td>
<td>55-56</td>
<td>60-50, 80, 88, 99</td>
<td>*</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.42
**VARIABLE FILE FIELD DERIVATION METHOD**

Field Description: Date of LMP

Location: 59-64 (4989...VAR)

Approved: 9/30/68

Revised: 

Remarks:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>03041</td>
<td>32-37</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>If codes 000000, 777777 or 999999 check next source)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0001</td>
<td>50-55</td>
<td></td>
<td>*</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.*

III.B.43
## VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Date of PMP

**Location:** 65-70 (4990...VAR)

**Approved:** 4/10/69

**Revised:**

**Remarks:**

---

### Card Sources | Columns | Codes | Recodes*
--- | --- | --- | ---
03041 | 38-43 | As giver. | *

*An asterisk in recode column means transfer codes verbatim.

III.B.44
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Length of time to become pregnant (Months)

Location: 71-72 (4991...VAR)

Approved: 5/19/69

Revised:  

Remarks:  

Card Sources | Columns | Codes | Recodes*  
-------------|---------|-------|-----------  
03041        | 47-48   | 00 = Not applicable, not trying 01-97 = As given 98 = 98 months or more 99 = unknown | *  

*An asterisk in recode column means transfer codes verbatim.

III.B.45
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Sterility

Investigation

Location: 73 (4992...VAR)

Approved: 4/21/69

Revised: 

Remarks:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>03041</td>
<td>61</td>
<td>0 = No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
## VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Radiation Twelve Months Prior to Registration  
**Location:** 74 (4993...VAR)  
**Approved:** 6/10/69  
**Revised:** 6/25/70

**Remarks:**

---

### Card Sources

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
</table>
| 2306         | 22, 27, 32, 37 | Check all columns for the following codes:  
1. all 0's  
2. all 1's, 2's, 5's or any combination of 1's, 2's, or 5's, with or without 0's or 9's.  
3. all 3's, 4's, 6's, or any combination of 3's, 4's, or 6's, with or without 0's or 9's.  
4. all other combinations of codes  
9. all 9's | 0 = None  
1 = (Abdominal-pelvic area only)  
2 = (Other areas only)  
3 = (Abdominal-pelvic and other areas)  
9 = (Unknown) |

*An asterisk in recode column means transfer codes verbatim.*

### III.B.47
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: 0B-8: First Date

Location: 75-80 (4994...VAR)

Approved: 4/29/69

Revised: 

Remarks: If only date = 99 for any portion (month, day, or year), code as given.

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
</table>
| all 0308 cards scan all cards for earliest known date | 15-20 | (month) 01-12  
(day) 01-31  
(year) 59-66 | * |

if only date = 99 for any portion (month, day or year) code as given

99 = unknown

*An asterisk in recode column means transfer codes verbatim.

III.B.48
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** Height of Mother  
(inches)  

**Location:** 81-82 (4995...VAR)  

**Approved:** 4/21/69  

**Revised:**  

**Remarks:**  

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2309</td>
<td>39-40</td>
<td>40-80, 99</td>
<td></td>
</tr>
<tr>
<td>1343</td>
<td>24-25</td>
<td>40-80, 99</td>
<td>*</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.*

III.B.49
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Pre-pregnancy Weight  Location: 83-85 (4996...VAR)

Approved: 4/29/69  Revised: 

Remarks: 

Card Sources  Columns  Codes  Recodes

<table>
<thead>
<tr>
<th>2309</th>
<th>33-35</th>
<th>050-350</th>
<th>*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1343</td>
<td>21-23</td>
<td>050-350, 360</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>999</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.50
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Weight Gain - Gravide

Location: 86-P8 (4997...VAR)

Approved: 4/10/69

Revised: 5/8/69

Remarks:

Card Sources | Columns | Codes | Recodes*
---|---|---|---
See attached procedure | as given in lbs. 999 = unknown. | |

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Weight Gain - Gravida  

Location: 86-88 (8997...VAR)  

Approved: 4/10/69  

Revised: 5/8/69

Method II:  
Weight Gain During Pregnancy

Pre-pregnancy Weight: 2309 card, cols. 33-35. If no 2309 card then 1343 card, cols. 21-23.

Last Weight Prior to Delivery: 1351 card, cols. 23-26 codes 050-350, 357, 370, 372. If no 1351 card then C344 card, cols. 25-27, codes 050-350.

Date of Delivery: See location 1103-1108 (5921...VAR; Date of Delivery) for date (date of birth).

Selection of card for weight prior to delivery:

1. For 1351 card - Use all cards for case. Check date in cols. 15-20 for most recent date with known weight. Determine interval between this date and date of delivery. If interval <6 weeks use card for weight data. If interval >6 weeks or cols. 15-20 = all 9's, use C344 card.

2. For C344 card - Proceed as above using cols. 19-24 for date. If interval >6 weeks or if only one C344 card and data is unknown, classify case as unknown weight gain.

Computation of Weight Gain: Subtract pre-pregnancy weight from last weight prior to delivery and classify according to specified intervals. Weight loss = pre-pregnancy weight - last weight (negative value).
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Hematocrit, Gravida: Location: 89-91 (4998...VAR)
Lowest (Percent) Approved: 4/24/69

Revised: 

Remarks: NOTE: Either card or both cards may be present for a case.
Use all available data.

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310</td>
<td>57-59</td>
<td>120-600, 999, 000 (Retain lowest known code. Code 00 is not considered lowest known code)</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>65-67</td>
<td>997, 200-500, 998, 999 (Retain lowest code. Ranking is in ascending sequence as indicated. 997 is lowest known code and 998 is highest known code.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>73-75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and All 2345</td>
<td>22-24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>if present</td>
<td>31-33</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40-42</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>49-51</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>58-60</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>67-69</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>76-78</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.53
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Hematocrit, Gravida:  
Lowest (Percent)  
Group/Interval Code

**Location:** 92 (4999....VAR)  
Approved:  
Revised:  

**Remarks:**  


<table>
<thead>
<tr>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>0</td>
</tr>
<tr>
<td>997,120-199</td>
<td>1</td>
</tr>
<tr>
<td>200-249</td>
<td>2</td>
</tr>
<tr>
<td>250-299</td>
<td>3</td>
</tr>
<tr>
<td>300-349</td>
<td>4</td>
</tr>
<tr>
<td>350-600,998</td>
<td>5</td>
</tr>
<tr>
<td>999</td>
<td>9</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.54
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** hemoglobin, Gravida:  
**Location:** 93-95 (5000...VAR)  
**Approved:** 4/21/69  
**Revised:**

**Remarks:**

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310</td>
<td>33-35</td>
<td>040-200, 999, 000</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>41-43</td>
<td>(Retain lowest known code. Code 000 is not considered as lowest known code.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>49-51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3345</td>
<td>22-24</td>
<td>997, 050-175, 998, 999</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>31-33</td>
<td>(Retain lowest code. Ranking is in ascending sequence as indicated.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40-42</td>
<td>Code 997 is lowest known code and code 998 is highest known code.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>49-51</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>58-60</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>67-69</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>76-78</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Code 000 should only be used if a case has no other known value.

*An asterisk in recode column means transfer codes verbatim.

III.B.55
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Hemoglobin, Gravida

**Location:** 96 (5001...VAR)

**Approved:**

**Revised:**

**Remarks:**

________________________________________________________

________________________________________________________

________________________________________________________

________________________________________________________

________________________________________________________

________________________________________________________

<table>
<thead>
<tr>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>0</td>
</tr>
<tr>
<td>040-059,997</td>
<td>1</td>
</tr>
<tr>
<td>060-079</td>
<td>2</td>
</tr>
<tr>
<td>080-099</td>
<td>3</td>
</tr>
<tr>
<td>100-119</td>
<td>4</td>
</tr>
<tr>
<td>120-200,998</td>
<td>5</td>
</tr>
<tr>
<td>999</td>
<td>9</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.

III.B.56
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Meconium

**Location:** 97 (5002...VAR)

**Approved:**

**Revised:**

**Remarks:**

**Card Sources** | **Columns** | **Codes** | **Recodes**
--- | --- | --- | ---
0337 | 28 | C (no) | *

1 (Yes)

*An asterisk in recode column means transfer codes verbatim.*

III.B.57
**VARIABLE FILE FIELD DERIVATION METHOD**

Field Description: Blood Pressure

(Systolic ≥ 160 or more and/or Diastolic ≥ 110 or more): Post Partum

Location: 98 (5003...VAR)

Approved: 5/19/69

Revised: __________

Remarks: __________________________________________

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1360</td>
<td>33</td>
<td>0 = None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = 1st 2 weeks post partum only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 = 3 to 8 weeks post partum only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = Combinations of codes 1 and 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 = Unknown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
</tr>
<tr>
<td>*</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

An asterisk in recode column means transfer codes verbatim.

III.B.58
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Blood Pressure (Systolic 160 or more and/or Diastolic 110 or more): 24th week to Labor

Location: 99 (5004...VAR)

Approved: 5/19/69

Revised: __________

Remarks: ______________________________________________________________

Card Sources | Columns | Codes | Recodes*
---|---|---|---
0344 | Check all 0344 cards cols. 19-24 for Data and cols. 28-30 for Systolic Reading and cols. 31-33 for Diastolic Reading. See location 59-64 (4989...VAR) for determining LMP date. Compute LMP + >165 days = Period 24 weeks to labor. Scan all dates on all 0344 cards for dates in this period. Scan systolic and diastolic readings to see if any systolic reading >160 or more recude 1 (yes) or if any diastolic reading >110 recode 1 (yes) If neither systolic >160 or diastolic >110 then recode 0 (no). If all readings are = 999 classify as "unknown." If dates are = 9's classify as unknown. If no 0344 card or none in this period then 1360 card, cols. 31; code 0 = No code 1 = Yes, code 9 = Unknown. | 0 = No 1 = Yes 9 = Unknown

1360 |

*An asterisk in recode column means transfer codes verbatim.

III.B.59
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Blood Pressure

- (Systolic 160 or more and/or Diastolic 110 or more): Up to 24th week

**Location:** 100 (5005...VAR)

**Approved:** 5/19/69

**Revised:**

**Remarks:**

---

**Card Sources** | **Columns** | **Codes** | **Recodes**
---|---|---|---
See attached procedure | | 0 = No | |
 | | 1 = Yes | |
 | | 2 = Registered after 23rd week | |
 | | 9 = Unknown | |

*An asterisk in recode column means transfer codes verbatim.*

III.B.60
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Blood Pressure
(Systolic 160 or more and/or Diastolic 110 or more): Up to 24th week

Location: 100 (5CCS...VAR)
Approved: 5/19/69
Revised:

Check OCC1 card if cols. 74-75 > to 24 classify as "Registered after 23 weeks"; or 99 classify as "unknown." If < 23 then check all 0344 cards col. 19-24 for date and cols. 28-30 for Systolic Reading and cols. 31-33 for Diastolic Reading. See location 59-64 (4989...VAR) for determining LMP date. Compute LMP + 164 days = "End of Period up to 24th week." See all dates in this period. Scan systolic and diastolic readings to see if any systolic reading is ≥ 160: recode 1(yes) or if any diastolic reading ≥ 110 or more recode 1(yes). If neither systolic ≥ 160 or diastolic ≥ 110 then recode 0(no). If all readings = 999 classify as "unknown." If dates are = to 9's classify as "unknown." If no 0344 cards present or none in this period then check OCC6 card, col. 3C. Code 1 = yes, code 0 = no, code 9 = Reported Unknown.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Blood Pressure
(Systolic 160 or more and/or Diastolic 110 or more): Intra Partum

Location: 101 (5036...VAR)  
Approved: 4/25/69  
Revised: 8/15/69

Remarks:


Card Sources | Columns | Codes | Recodes*
---|---|---|---
All 3336 cards | Systolic 28-30, 44-46, 60-62 | Check all 3336 cards. Codes for Systolic readings = 040-284. Codes for Diastolic readings = 010-200. Blanks are acceptable code for both. Scan systolic and diastolic readings to see if any systolic reading >160 recode 1(yes) or if any diastolic reading >110 recode 1(yes). If card present and neither systolic >160 or diastolic >110 then recode 0(no). If all readings are = 999 and/or blanks classify as "Unknown." If no card then | 0 = No 1 = Yes 9 = Unknown
1360 32 | 0,1,9 | *

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description:  Albuminuria -
Proteinuria ≥5 gms Intra partum

Location:  102 (5007...VAR)
Approved:  7/10/69
Revised:  

Remarks:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
</table>
| 1360         | 44      | 0 = No
              |          | 1 = Yes
              |          | 9 = Unknown

*An asterisk in recode column means transfer codes verbatim.

III.B.63
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:**
- Abuminuria -
- Proteinuria ≥ 5 gms: Post Partum

**Location:** 103 (500B...VAK)

**Approved:** 7/10/69

**Revised:**

**Remarks:**

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1360</td>
<td>45</td>
<td>0 = None</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = First two weeks post partum only</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 = 3 to 8 weeks post partum only</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = Combination of codes 1 and 2</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 = Unknown</td>
<td>*</td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.*
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Albuminuria - Proteinuria During Pregnancy  
**Location:** 104 (5009...VAR)  
**Approved:** 5/19/69  
**Revised:**

**Remarks:**

---

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
</table>
| All 0344     | 34      | All card sources and columns must be checked. When more than one code is present the preferred code is:  
4 = 4+  
3 = 3+  
2 = 2+  
1 = 1+  
5 = Positive Unqualified  
7 = Trace  
8 = Questionable (all 8's or all 0's and 8's or all 0's and 9's or all 8's and 9's)  
0 = No (all 0's)  
9 = Unknown - all 9's |

*An asterisk in recode column means transfer codes verbatim.*

III.B.65
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Albuminuria-
Proteinuria: Up to 24 Weeks

Location: 105 (5010...VAR)
Approved: 5/19/69
Revised: 

Remarks:

Card Sources | Columns | Codes | Recodes*
-------------|---------|-------|--------
All 0344     |         | 0 = No|        |
See attached  |         | 1 = 1+|        |
procedure     |         | 2 = 2+|        |
              |         | 3 = 3+|        |
              |         | 4 = 4+|        |
              |         | 5 = 5+|        |
              |         | 6 = Registered after 23rd week|        |
              |         | 7 = Trace|        |
              |         | 8 = Questionable|        |
              |         | 9 = Unknown|        |

*An asterisk in recode column means transfer codes verbatim.

III.B.66
**VARIABLE FILE FIELD DERIVATION METHOD**

**Field Description:** Albuminuria-

Proteinuria: Up to 24 Weeks

**Location:** 105 (5010...VAR)

**Approved:** 5/19/69

**Revised:** 

**Procedure**

Check 0001 card if cols. 74-75 > to 24 classify as "registered after 23 weeks" (code 6) or = 99 classify as "unknown" (code 9). If <23 then check all 0344 cards col. 19-24 for date and cols. 34 for Albuminuria-Proteinuria codes. See location 59-64 (4989...VAR) for determining LMP date. Compute LMP + 164 days = "End of Period up to 24th week." Scan all dates on all 0344 cards for Dates in this period. When more than one code is present the preferred code is:

- 4 = 4+
- 3 = 3+
- 2 = 2+
- 1 = 1+
- 5 = Pos. Unqualified
- 7 = Trace
- 8 = Questionable (all 8's or all 0's or all 0's and 8's or all 0's and 9's or all 8's and 9's)
- 0 = No (all 0's)
- 9 = Unknown - all 9's
- 6 = Registered after 23 weeks

III.B.67
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Albuminuria-
Proteinuria 24 Weeks to Labor

Location: 106 (5011...VAR)
Approved: 5/19/69
Revised: 

Remarks:

Card Sources
See procedures

<table>
<thead>
<tr>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 = No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 = 1+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 = 2+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 = 3+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 = 4+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 = 5+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 = Trace</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 = Questionable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: Albuminuria-
Proteinuria 24 Weeks to Labor

Location: 106 (5011...VAR)
Approved: 5/19/69
Revised: 

Procedure

Check all 0344 card cols. 19-24 for Date and cols. 34 for Albuminuria-
Proteinuria code. See location 59-64 (4929...VAR) for LMP date.
Compute LMP + >165 days = Period 24 weeks to Labor. Scan all dates on all
0344 cards for Dates in this period. When more than one code is present the
preferred code is:
4 = 4+
3 = 3+
2 = 2+
1 = 1+
5 = Pos. Unqualified
7 = Trace
6 = Questionable (all 8's
     or all 0's and 8's or
     all 0's and 9's or all
     8's and 9's )
0 = No (all 0's)
9 = Unknown - all 9's

III.B.69
**VARIABLE FILE FIELD DERIVATION METHOD**

Field Description:  **GB-60 Condition Switch**  
Location:  **107 (5012...VAR)**

Approved:  
Revised:  

Remarks:  

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
</table>
| All 2360-5360 cards | Blank = No OB-60 card present  
1 = Card present  
No OB-60 codes present  
2 = Card present  
OB-60 codes present | | |

*An asterisk in recode column means transfer codes verbatim.*
FIELD DESCRIPTION: OB-60 Disease or Conditions

LOCATION: 108-255 (5013-5160...VAR)

APPROVED: 4/10/69

REVISED:

REMARKS:

<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td>See procedures</td>
<td></td>
<td>0 = Not present</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = Before pregnancy only</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 = During pregnancy only</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = Combination of 1 and 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 = Post partum only</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 = Combination of 1 and 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 = Combination of 2 and 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 = Combination of 1, 2, 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 = Unknown</td>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.
VARIABLE FILE FIELD DERIVATION METHOD

Field Description: 08-60 Disease or Conditions

Location: 166-255
(5013-5160...VAR)

Approved: __________

Revised: __________

Procedure

Check all 2360-5360 cards, col. 26-36 and 39-44. If these fields are all 0's recode all diagnoses or conditions as not present, Code = 0. No further search is necessary. If other than all 0's check cols. 45-80, check each 4 digit condition or disease field for the presence of any 3 digit code on the attached lists. If a code is present store the fourth digit (units position) in card field designated for that 3 digit condition or disease. Fourth digit codes = 1-7. Codes on the attached lists are grouped under summary headings. If card(s) present and none of the conditions or diseases within a group are present, then check col. in brackets (at Summary Heading). If code = 9 then recode all conditions as unknown (code = 9) for this group. If code is not equal to 9 recode all conditions or diseases as not present (code = 0).

(One tape location will be allocated for each disease or condition. Use binary code when putting on tape. per BK 6/16/69)

NOTE: There are 3 attachments.
# VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** 08-60 Disease or Conditions

**Location:** 108-255 (5013-5160...VAR)

**Approved:**

**Revised:**

---

**Diseases or Conditions**

**Obstetric Diagnostic Summary CB-60**

### Cardiovascular (Col. 26=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>011</td>
<td>Organic Heart Disease</td>
</tr>
<tr>
<td>012</td>
<td>No sympt. on exertion</td>
</tr>
<tr>
<td>013</td>
<td>Sympt. on ordinary, activity</td>
</tr>
<tr>
<td>014</td>
<td>Sympt. on limited activity</td>
</tr>
<tr>
<td>015</td>
<td>Sympt. on bed rest</td>
</tr>
<tr>
<td>016</td>
<td>Rheumatic Fever</td>
</tr>
<tr>
<td>017</td>
<td>Thrombosis and/or Phlebitis</td>
</tr>
<tr>
<td>018</td>
<td>Regional ingr. in body heat</td>
</tr>
<tr>
<td>019</td>
<td>Fever 100.4° or above</td>
</tr>
<tr>
<td>020</td>
<td>Regional Swelling</td>
</tr>
<tr>
<td>021</td>
<td>Palpable thrombus</td>
</tr>
<tr>
<td>022</td>
<td>Vein tenderness</td>
</tr>
<tr>
<td>023</td>
<td>Embolization</td>
</tr>
<tr>
<td>024</td>
<td>Other</td>
</tr>
</tbody>
</table>

### Pulmonary, cont.

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>036</td>
<td>Bronchial Asthma</td>
</tr>
<tr>
<td>037</td>
<td>Acute Asthma</td>
</tr>
<tr>
<td>038</td>
<td>Status Asthmaticus</td>
</tr>
<tr>
<td>039</td>
<td>Thoracic surgery</td>
</tr>
<tr>
<td>040</td>
<td>Other</td>
</tr>
</tbody>
</table>

### Blood (Col. 28=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>041</td>
<td>Anemia</td>
</tr>
<tr>
<td>042</td>
<td>Abnor. low serum iron</td>
</tr>
<tr>
<td>043</td>
<td>Abnor. high HBC</td>
</tr>
<tr>
<td>044</td>
<td>Abnor. high protoporphyrin</td>
</tr>
<tr>
<td>045</td>
<td>Abnor. peripheral RBC smear</td>
</tr>
<tr>
<td>046</td>
<td>Abnor. bone marrow smear</td>
</tr>
<tr>
<td>047</td>
<td>Clinical response to iron therapy</td>
</tr>
<tr>
<td>048</td>
<td>Abnor. hemoglobin S electrophoresis</td>
</tr>
<tr>
<td>049</td>
<td>Sickling in peripheral blood</td>
</tr>
<tr>
<td>050</td>
<td>Other findings in anemia</td>
</tr>
<tr>
<td>052</td>
<td>Coagulation defect</td>
</tr>
<tr>
<td>053</td>
<td>Abnor. low prothrombin</td>
</tr>
<tr>
<td>054</td>
<td>Abnor. low proconvertin</td>
</tr>
<tr>
<td>055</td>
<td>Abnor. low fibrinogen</td>
</tr>
<tr>
<td>056</td>
<td>Abnor. prolonged clot. time</td>
</tr>
<tr>
<td>057</td>
<td>Clin. response to administ. of fibrinogen</td>
</tr>
<tr>
<td>058</td>
<td>Other findings in coagulation defects</td>
</tr>
<tr>
<td>059</td>
<td>Other</td>
</tr>
</tbody>
</table>

---

III.B.73
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** 03-60 Disease or Conditions

**Location:** 168-255 (5013-5160...VAR)

**Approved:**

**Revised:**

---

*Diseases or Conditions*

*Obstetric Diagnostic Summary*

**08-60**

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>Diabetes Mellitus</td>
</tr>
<tr>
<td>061</td>
<td>Any blood sugar 260 mg. percent or more</td>
</tr>
<tr>
<td>062</td>
<td>Insulin therapy or oral hypoglycemic analogue</td>
</tr>
<tr>
<td>063</td>
<td>Insulin reaction</td>
</tr>
<tr>
<td>064</td>
<td>Diabetic coma</td>
</tr>
<tr>
<td>065</td>
<td>Keto-Acidosis</td>
</tr>
<tr>
<td>066</td>
<td>Duration 5 years or more</td>
</tr>
<tr>
<td>067</td>
<td>Abnormal Glucose Tolerance Test</td>
</tr>
<tr>
<td>068</td>
<td>Hypothyroidism</td>
</tr>
<tr>
<td>069</td>
<td>Abnor. low BMR</td>
</tr>
<tr>
<td>070</td>
<td>Abnor. low PBI</td>
</tr>
<tr>
<td>071</td>
<td>Abnor. low BEI</td>
</tr>
<tr>
<td>072</td>
<td>Abnor. low 1 131 uptake</td>
</tr>
<tr>
<td>073</td>
<td>Clinical response to thyroid</td>
</tr>
<tr>
<td>074</td>
<td>Hyperthyroidism</td>
</tr>
<tr>
<td>075</td>
<td>Abnor. high BMR</td>
</tr>
<tr>
<td>076</td>
<td>Abnor. high PBI</td>
</tr>
<tr>
<td>077</td>
<td>Abnor. high BEI</td>
</tr>
<tr>
<td>078</td>
<td>Abnor. high 1 131 uptake</td>
</tr>
<tr>
<td>079</td>
<td>Clinical response to therapy</td>
</tr>
<tr>
<td>080</td>
<td>Thyroid surgery</td>
</tr>
<tr>
<td>081</td>
<td>Other</td>
</tr>
</tbody>
</table>

**CODE** | **NAME**
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>082</td>
<td>Syphilis</td>
</tr>
<tr>
<td>083</td>
<td>Pos. Scrology</td>
</tr>
<tr>
<td>084</td>
<td>Pos. cerebrospinal fluid</td>
</tr>
<tr>
<td>085</td>
<td>Pos. treponema immobilization test</td>
</tr>
<tr>
<td>086</td>
<td>Pos. dark field</td>
</tr>
<tr>
<td>087</td>
<td>Gonorrhea</td>
</tr>
<tr>
<td>088</td>
<td>Pos. culture</td>
</tr>
<tr>
<td>089</td>
<td>Pos. smear</td>
</tr>
<tr>
<td>090</td>
<td>Other</td>
</tr>
</tbody>
</table>

**Urinary Tract** (Col. 31=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>091</td>
<td>Acute and Chronic</td>
</tr>
<tr>
<td>092</td>
<td>Glocerulonephritis</td>
</tr>
<tr>
<td>093</td>
<td>Fever 100.4 or above</td>
</tr>
<tr>
<td>094</td>
<td>CVA tenderness</td>
</tr>
<tr>
<td>095</td>
<td>Pos. urine culture</td>
</tr>
<tr>
<td>096</td>
<td>Pyuria (15 WBC/HPF)</td>
</tr>
<tr>
<td>097</td>
<td>Hematuria (15 RBC/HPF)</td>
</tr>
<tr>
<td>098</td>
<td>RUB tumor</td>
</tr>
<tr>
<td>099</td>
<td>RUB surgery</td>
</tr>
<tr>
<td>100</td>
<td>Other</td>
</tr>
</tbody>
</table>

---

*III.B.74*
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** GB-60 Disease or Conditions  
**Location:** 108-255 (5013-5160...VAR)  
**Approved:**  
**Revised:**

#### Diseases or Conditions
Obstetric Diagnostic Summary  
**GB-60**

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Gynecological (Col. 32=9)</strong></td>
<td></td>
<td><strong>Gastrointestinal, cont.</strong></td>
</tr>
<tr>
<td>102</td>
<td>Infertility</td>
<td>124</td>
<td>Hiatus Hernia</td>
</tr>
<tr>
<td>103</td>
<td>Incompetent cervix</td>
<td>125</td>
<td>Peptic ulcer</td>
</tr>
<tr>
<td>104</td>
<td>Surgery for incompetent cervix</td>
<td>126</td>
<td>GI surgery</td>
</tr>
<tr>
<td>105</td>
<td>Vaginitis</td>
<td>127</td>
<td>GI tumor</td>
</tr>
<tr>
<td>106</td>
<td>Leiomyoma</td>
<td>128</td>
<td>Other</td>
</tr>
<tr>
<td>107</td>
<td>Other gynecologic tumor</td>
<td></td>
<td><strong>Integument and Appendages (Col. 35-9)</strong></td>
</tr>
<tr>
<td>108</td>
<td>Gynecologic surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>109</td>
<td>Other</td>
<td>130</td>
<td>Burns - if hospitalized</td>
</tr>
</tbody>
</table>

#### Neurological and Psychiatric (Col. 33=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Convulsive Disorder</td>
</tr>
<tr>
<td>111</td>
<td>Convulsions during pregnancy</td>
</tr>
<tr>
<td>112</td>
<td>Mental retardation</td>
</tr>
<tr>
<td>113</td>
<td>Organic brain disease</td>
</tr>
<tr>
<td>114</td>
<td>Psychosis and Neurosis</td>
</tr>
<tr>
<td>115</td>
<td>Other neurologic or neuromuscular disease</td>
</tr>
<tr>
<td>116</td>
<td>Alcoholism</td>
</tr>
<tr>
<td>117</td>
<td>Drug habituation and addiction</td>
</tr>
<tr>
<td>118</td>
<td>Other</td>
</tr>
</tbody>
</table>

#### Gastrointestinal (Col. 34=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>119</td>
<td>Cholecystitis</td>
</tr>
<tr>
<td>120</td>
<td>Cholelithias</td>
</tr>
<tr>
<td>121</td>
<td>Hepatitis</td>
</tr>
<tr>
<td>122</td>
<td>Appendicitis</td>
</tr>
<tr>
<td>123</td>
<td>Colitis, ileitis</td>
</tr>
</tbody>
</table>

#### Complications of this Pregnancy (Col. 36=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>133</td>
<td>Hydramniosi Gravidarum</td>
</tr>
<tr>
<td>136</td>
<td>Hydramniosi</td>
</tr>
<tr>
<td>141</td>
<td>Anesthetic</td>
</tr>
<tr>
<td>144</td>
<td>Hemorrhagic</td>
</tr>
<tr>
<td>145</td>
<td>Septic</td>
</tr>
<tr>
<td>146</td>
<td>Positional (vena cava syndrome)</td>
</tr>
<tr>
<td>147</td>
<td>Anesthetic Accident, other</td>
</tr>
</tbody>
</table>

#### Complications of Puerperium (Col. 39=9)

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>Puerperal infection</td>
</tr>
</tbody>
</table>

**III.B.75**
### VARIABLE FILE FIELD DERIVATION METHOD

**Field Description:** OB-60 Summary

**Location:**

256-268
(5161-5173...VAR)

**Classification:**

**Approved:**

**Revised:**

**Remarks:**


<table>
<thead>
<tr>
<th>Card Sources</th>
<th>Columns</th>
<th>Codes</th>
</tr>
</thead>
</table>
| 2360         | 26-36, 39-40* | 0 = No diseases/condition  
1-7 = Number as given  
8 = 8 or more  
9 = Unknown |

<table>
<thead>
<tr>
<th>Recodes*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

*An asterisk in recode column means transfer codes verbatim.*
CONTINUED ON NEXT FICHE