



W15 SEROLOGICAL TESTING, ABNORMALITIES AND CONTROLS

The serological testing, abnormalities and controls work file contains the results of the complement fixation and IHA test for selected subject cases with abnormalities and their hand matched control cases. The subject cases were selected from the following cases identified as "abnormal" in study #71-0200-0:

- Congenital Hearts (per Dr. Mitchell)
- Abortions
- Stillbirths
- Microcephalics (per Dr. Korones)
- Neonatal Deaths
- Low birthweight (1001-1500 grams)
- Birthweights between 1501 and 2000 grams
- Low IQ (under 50)
- Cataracts

This work file contains the first and last specimens for each subject and control case.

This file provides the means of differentiating between subject and control cases in work files W12C and W12D. The data item that provides the linkage is the NINDB case number.

WORK FILE CHARACTERISTICS

The work file contains 24,255 records; each record is 80 characters in length. The file is available on 1600 bpi 9 track tape with 6160 characters per block.

Each card image has a format similar to that of the master file; col 1-4 are the card and form number, 1801, and col 6-14 are the NINDB case number. Col 5 identifies whether the record is a control or a subject case.

TABLE OF DATA TYPES

Serological testing, abnormalities and controls

TYPE IN	NUM	FROM	TO	DATA ITEM NAME
6635....W-15	1801	1	4	Card number ("1801")
6636....W-15	1801	5	5	Identification code, control of subject: WUTHER, GENERAL, IFRLOGY
6637....W-15	1801	6	14	WIND case number
6638....W-15	1801	15	16	Serology specimen, number and output drawn; malformation and control: WUTHER, GENERAL, SEROLOGY
6639....W-15	1801	17	22	Serology specimen, date (50/150/yr): WUTHER, GENERAL, SEROLOGY
6640....W-15	1801	23	25	Coxsackie A3 virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6641....W-15	1801	26	28	Coxsackie A4 virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6642....W-15	1801	29	31	Influenza A virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6643....W-15	1801	32	34	Mumps virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6644....W-15	1801	35	37	Rubella virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6645....W-15	1801	38	40	Measles virus; rubella; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6646....W-15	1801	41	43	Varicella virus; malformation and control; complement fixation test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6647....W-15	1801	44	47	Cytomegalovirus; CMV; hemagglutination inhibition test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6648....W-15	1801	48	51	Toxoplasmosis; hemagglutination inhibition test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6649....W-15	1801	52	55	Herpes simplex 1 virus; hemagglutination inhibition test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6650....W-15	1801	56	58	Herpes simplex 2 virus; hemagglutination inhibition test; serology, titer level: WUTHER, GENERAL, SEROLOGY
6651....W-15	1801	60	64	WIND number of matching cases: WUTHER, GENERAL, SEROLOGY
6652....W-15	1801	69	80	Blank

DEFINITION OF CODES
SEROLOGICAL TESTING
ABNORMALITIES AND CONTROL CASES*
CARD 1801

<u>FIELD</u>	<u>CARD COLUMN</u>
1. <u>Card Number</u> Code: 1	1
2. <u>Form Number</u> Code: 801	2-4
3. <u>Identification Code</u> Code: 0 - Control case 1 - Subject case	5
4. <u>NINDS Number</u> Nine-digit number for Patient Identification Code: As given	6-14
5. <u>Specimen Number and Period Drawn</u> Code: R1 - Registration and 0-12 wks. since LMP R2 - Registration and 13-20 wks. since LMP R3 - Registration and 21-28 wks. since LMP R4 - Registration and 29-36 wks. since LMP R5 - Registration and 37-43 wks. since LMP R6 - Registration obtained at premature or postmature termination of pregnancy 01 - 1st specimen drawn 0-12 wks. since LMP 02 - 1st specimen drawn within 13-20 wk. period since LMP 03 - 1st specimen drawn within 21-28 wk. period since LMP 04 - 1st specimen drawn within 29-36 wk. period since LMP 05 - 1st specimen drawn within 37-43 wk. period since LMP 06 - 1st specimen obtained at premature or postmature termination of a pregnancy 07 - 1st specimen obtained between 4 and 12 wks. after termination of pregnancy 08 - 1st specimen of cord blood obtained at delivery 09 - 1st specimen of baby's blood obtained between 4th and 6th month	15-16

*As defined in Study #71-0200-0

Definition of Codes (Cont.)

Card 1801

FIELD

CARD
COLUMN

5. Specimen Number and Period Drawn (Cont.)

15-16

- 12 - 2nd specimen drawn in period 13 through 20 weeks since LMP
- 13 - 2nd specimen drawn in period 21 through 28 weeks since LMP
- 14 - 2nd specimen drawn in period 29 through 36 weeks since LMP
- 15 - 2nd specimen drawn in period 37 through 43 weeks since LMP
- 17 - 2nd specimen obtained beyond 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- 22 - 3rd specimen drawn in period 13 through 20 weeks since LMP
- 23 - 3rd specimen drawn in period 21 through 28 weeks since LMP
- 24 - 3rd specimen drawn in period 29 through 36 weeks since LMP
- 25 - 3rd specimen drawn in period 37 through 43 weeks since LMP
- 27 - 3rd specimen obtained between 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- 32 - 4th specimen drawn in period 13 through 20 weeks since LMP
- 33 - 4th specimen drawn in period 21 through 28 weeks since LMP
- 34 - 4th specimen drawn in period 29 through 36 weeks since LMP
- 35 - 4th specimen drawn in period 37 through 43 weeks since LMP
- 37 - 4th specimen obtained beyond 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- D5 - Delivery - specimen obtained 37 through 43 weeks since LMP
- D6 - Delivery - specimen obtained at premature or postmature termination of pregnancy (i.e., abortion, immature, premature and postmature births)
- S7 - Mother specimen - obtained between 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- S9 - Baby specimen - obtained between 4th and 6th month

Definition of Codes (Cont.)

Card 1801

FIELDCARD
COLUMNS

6. Date of Specimen 17-22
Four digit code for:
 Month - (cols. 17-18)
 Day - (cols. 19-20)
 Year - (cols. 21-22)
7. Complement Fixation (CF) 23-25
 Cox B3
 Three digit code:
 Blank - Test not done
 000 - No detectable antibody; less
 than 1:4
 004 - 1:4 dilution
 005 - Trace at 1:4 dilution
 007 - Trace at 1:8 dilution
 008 - 1:8 dilution
 016 - 1:16 dilution
 031 - Trace at 1:32 dilution
 032 - 1:32 dilution
 033 - Dilution greater than 1:32
 064 - 1:64 dilution
 065 - Dilution greater than 1:64
 128 - 1:128 dilution
 256 - 1:256 dilution
 257 - Dilution greater than 1:256
 512 - 1:512 dilution
 513 - Dilution greater than 1:512, 1:1024, 1:2048, 1:4096
 997 - Specimen available; anti-complimentary
 998 - Specimen available; non-specific reaction
 999 - Quantity not sufficient
8. Cox B4 26-28
 Code: Same as Field 7
9. Flu A 29-31
 Code: Same as Field 7
10. Mumps 32-34
 Code: Same as Field 7
11. Rubella 35-37
 Code: Same as Field 7
12. Rubeola 38-40
 Code: Same as Field 7

Definition of Codes (Cont.)

Card 1801

FIELD

CARD
COLUMNS

13. Varicella 41-43
Code: Same as Field 7
14. Indirect Hemagglutination (IHA) 44-47
Cytomegalovirus
Four digit code:
Blank - Test not done
0000 - No detectable antibody
0007 - Trace at 1:8 dilution
0008 - 1:8 dilution
0016 - 1:16 dilution
0031 - Trace at 1:32 dilution
0032 - 1:32 dilution
0033 - Dilution greater than 1:32
0064 - 1:64 dilution
0065 - Dilution greater than 1:64
0128 - 1:128 dilution
0256 - 1:256 dilution
0257 - Dilution greater than 1:256
0512 - 1:512 dilution
1024 - 1:1024 dilution
2048 - 1:2048 dilution
2049 - Dilution greater than 1:2048
4096 - 1:4096 dilution
4097 - Dilution greater than 1:4096, 1:8192, 1:16384; 1:32768
9997 - Specimen available; anti-complimentary
9998 - Specimen available; non-specific reaction
9999 - Quantity not sufficient
15. Toxoplasmosis 48-51
Code: Same as Field 14 except codes 0007,
0008 and 0016 are not applicable
16. Herpes 1 52-55
Code: Same as Field 14
17. Herpes 2 56-59
Code: Same as Field 14
18. NINDS# of Matching Case 60-68
Nine digit number for Patient Identification
of Matching Control or Subject case
Code: As given

NOTE: Two cards are present (first and last specimens) for every subject case and every matched control case with cols. 1-68 as above.

**Develop and Testing
Congenital Rubella: one and three Controls
Card 1973**

ITEM # ON FORM	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	NINIS # OF MATCHING CONTROL CASE
CARD # 1501																

DATE OF SPECIMEN																
NO. IN IR																

SPECIMEN NAME - FIELD #																
COX B3																
COX B4																
FLU A																
MUMPS																
RUBELLA																
RUEOLA																
VARICELLA																
CYTOMEGALIC VIRUS																
TOXOPLASMOZIS																
HERPES 1																
HERPES 2																

October 1973

W16 SERUM SPECIMEN INVENTORY

The serum specimen inventory work file is an inventory of all blood specimens (maternal, cord and children abnormal at 4 months) received at the Perinatal Research Branch. Each specimen is identified by a code that indicates the period during pregnancy or at post partum in which the sample was drawn. This work file documents the number of vials received, and the quantity and quality of the contents of each vial for each specimen.

WORK FILE CHARACTERISTICS

The work file contains 227,235 records; each record is 80 characters in length. The file is available on 1600 bpi 9 track tape with 4000 characters per block.

Each card image has a format similar to that of the master file; columns 1-5 are the card, form and revision number, 08060, and columns 6-14 are the NINDS case number.

TABLE OF DATA TYPES

Serum Specimen Inventory

DATA TYPE IN	CARD FROM	TO	DATA ITEM NAME
6651...W-16 00000	1	5	CARD NUMBER (0000000)
6652...W-16 00000	6	16	WINDOR CODE NUMBER
6653...W-16 00000	15	28	NAME, LAST: MOTHER, GENERAL, ADMINISTRATIVE
6656...W-16 00000	29	26	NAME, FIRST, FIRST LETTER OF: MOTHER, GENERAL, ADMINISTRATIVE
6657...W-16 00000	10	31	DATE OF BIRTH, DELIVERY, MEDICAL HISTORY
6658...W-16 00000	12	37	REGISTRATION, DATE (MO/DAY/YR): MOTHER, REGISTRATION, CURRENT PREGNANCY
6659...W-16 00000	18	43	LMP, FIRST DAY (MO/DAY/YR): MOTHER, PREGNANCY, GYNECOLOGICAL HISTORY
6660...W-16 00000	44	44	DATE: MOTHER, GENERAL, SOCIOECONOMIC INFO
6661...W-16 00000	45	46	AGE: MOTHER, REGISTRATION, CURRENT PREGNANCY
6662...W-16 00000	47	51	ALBINO
6663...W-16 00000	42	57	Serology specimen, number and period drawn: MOTHER, GENERAL, SPERMATOLOGY
6664...W-16 00000	56	56	Serology specimen, shipment number, DO NOT USE: MOTHER, GENERAL, SPERMATOLOGY
6665...W-16 00000	57	62	Serology specimen, date drawn (MO/DAY/YR): MOTHER, GENERAL, SPERMATOLOGY
6666...W-16 00000	63	67	Serology specimen, number of vials: MOTHER, GENERAL, SPERMATOLOGY
6667...W-16 00000	64	65	Serology, vial 1: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6668...W-16 00000	66	66	Serology, vial 1: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6669...W-16 00000	67	67	Serology, vial 1: serum, times changed: MOTHER, GENERAL, SPERMATOLOGY
6670...W-16 00000	68	67	Serology, vial 2: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6671...W-16 00000	70	70	Serology, vial 2: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6672...W-16 00000	71	71	Serology, vial 2: serum, times changed: MOTHER, GENERAL, SPERMATOLOGY
6673...W-16 00000	72	73	Serology, vial 3: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6674...W-16 00000	74	74	Serology, vial 3: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6675...W-16 00000	75	75	Serology, vial 3: serum, times changed: MOTHER, GENERAL, SPERMATOLOGY
6676...W-16 00000	76	77	Serology, vial 4: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6677...W-16 00000	78	78	Serology, vial 4: serum quantity: MOTHER, GENERAL, SPERMATOLOGY
6678...W-16 00000	79	79	Serology, vial 4: serum, times changed: MOTHER, GENERAL, SPERMATOLOGY
6679...W-16 00000	80	80	Serology, serum, evaluation of quality/quantity, DO NOT USE: MOTHER, GENERAL, SPERMATOLOGY

Definition of Codes
Serum Specimens
ADM-3 Card 0006

<u>FIELD</u>	<u>CARD COLUMN</u>
1. <u>Card Number</u> Code: 0	1
2. <u>Form Number</u> Code: 006	2-4
3. <u>Revision Number</u> Code: 0 - Form Dated 5/61	5
4. <u>INMOS Number</u> Nine-digit code for Patient Identification Code: As given	6-14
5. <u>Last Name</u> Patients Last Name Code: As given (Alphabetic)	15-28
6. <u>First Name</u> First letter of Patients First Name Code: As given (Alphabetic)	29
7. <u>Weeks Gestation</u> Code: 01-50 - As given 99 - Unknown	30-31
8. <u>Date Registered</u> Six-digit code for <u>Month</u> (cols. 32-33), <u>Day</u> (cols. 34-35) and <u>Year</u> (cols. 36-37) Code: As given	32-37
9. <u>First Day IUC</u> Six-digit code for <u>Month</u> (cols. 38-39), <u>Day</u> (cols. 40-41) and <u>Year</u> (cols. 42-43) Code: As given 99 - Month, Day and/or Year Unknown	38-43
10. <u>Race</u> Code: 1 - White 2 - Negro 3 - Oriental 4 - Puerto Rican 5 - Other 6 - Unknown	44

Definition of Codes (cont.)

FORM A24-3
CAPS 0506

<u>FIELD</u>	<u>CARD</u> <u>COLUMN</u>
11. <u>Age</u> Code: 10-50 - As given 99 - Unknown	-5-46
12. <u>Black</u>	47-51
13. <u>Specimen Number and Period Drawn</u> Code: 31 - Registration and 0-12 wks. since LMP 32 - Registration and 13-20 wks. since LMP 33 - Registration and 21-28 wks. since LMP 34 - Registration and 29-36 wks. since LMP 35 - Registration and 37-41 wks. since LMP 36 - Registration obtained at premature or postmature termination of pregnancy 01 - 1st specimen drawn 0-12 wks. since LMP 02 - 1st specimen drawn within 13-20 wk. period since LMP 03 - 1st specimen drawn within 21-28 wk. period since LMP 04 - 1st specimen drawn within 29-36 wk. period since LMP 05 - 1st specimen drawn within 37-41 wk. period since LMP 06 - 1st specimen obtained at premature or postmature termination of a pregnancy 07 - 1st specimen obtained between 4 and 12 wks. after termination of pregnancy 08 - 1st specimen of cord blood obtained at delivery 09 - 1st specimen of baby's blood obtained between 4th and 6th month 12 - 2nd specimen drawn in period 13 through 20 weeks since LMP 13 - 2nd specimen drawn in period 21 through 28 weeks since LMP 14 - 2nd specimen drawn in period 29 through 36 weeks since LMP 15 - 2nd specimen drawn in period 37 through 41 weeks since LMP 17 - 2nd specimen obtained beyond 4 and 12 weeks after termination of pregnancy (after 5 or 6 is appropriate)	52-53

Definition of Codes (cont.)

FORM ADM-3
CARD 0806

FIELD

CARD
COLUMN

13 Specimen Number and Period Drawn (cont.)

52-53

- Code: 22 - 1st specimen drawn in period 13 through 20 weeks since LMP
- 23 - 2nd specimen drawn in period 21 through 28 weeks since LMP
- 24 - 3rd specimen drawn in period 29 through 36 weeks since LMP
- 25 - 4th specimen drawn in period 37 through 43 weeks since LMP
- 27 - 5th specimen obtained between 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- 32 - 6th specimen drawn in period 13 through 20 weeks since LMP
- 33 - 7th specimen drawn in period 21 through 28 weeks since LMP
- 34 - 8th specimen drawn in period 29 through 36 weeks since LMP
- 35 - 9th specimen drawn in period 37 through 43 weeks since LMP
- 37 - 10th specimen obtained beyond 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- 55 - Delivery - specimen obtained 37 through 43 weeks since LMP
- 56 - Delivery - specimen obtained at premature or postmature termination of pregnancy (i.e. abortion, immature, premature and postmature births)
- 57 - Mother specimen - obtained between 4 and 12 weeks after termination of pregnancy (after 5 or 6 as appropriate)
- 59 - Baby specimen - obtained between 4th and 6th month
- A8 - 1st twin - specimen of cord blood obtained at delivery
- A9 - 1st twin - specimen of baby's blood obtained between 4th and 6th month
- B8 - 2nd twin - specimen of cord blood obtained at delivery
- B9 - 2nd twin - specimen of baby's blood obtained between 4th and 6th month

Definition of Codes (cont.)

FORM ADM-3
CARD 0806

<u>FIELD</u>	<u>CARD COLUMN</u>
14. <u>Shipment Number</u> (Do Not Use) Code: Blank, 000 - Not punched 001-999 - As given	54-56
15. <u>Date Drawn</u> Six-digit code for Month (cols. 57-58), Day (cols. 59-60) and Year (cols. 61-62) Code: Blank - not punched As given	57-62
16. <u>Number of Vials</u> Blank - not punched Code: 1-4 - As given	63
17. <u>Serum Vial I</u> Four-digit code for conditions: <u>Quantity</u> (cols. 64-65) Blank - not punched Code: 05 - .5cc (centimeters) 10 - 1.0cc 15 - 1.5cc 20 - 2.0cc 25 - 2.5cc 30 - 3.0cc <u>Quality</u> (col. 66) Code: 1 - Satisfactory - straw color no cells 2 - Amber or Pink - no cells 3 - Red or Purple - with or without cells 4 - Cells - straw or amber color <u>Times Thawed</u> (col. 67) Code: 0-9 - As given	64-67
18. <u>Serum Vial II</u> Code: Same as in Field 17 except 0's or blanks in entire field = no Vial II	68-71
19. <u>Serum Vial III</u> Code: Same as in Field 17 except 0's or blanks in entire field = no Vial III	72-75
20. <u>Serum Vial IV</u> Code: Same as in Field 17 except 0's or blanks in entire field = no Vial IV	76-79

Definition of Codes (cont.)

FORM ADM-3
CARD 3806

FIELD

CARD
COLUMN

21. Evaluation of Quality and Quantity of Serum (Do Not Use) 80
Code: 0, Blank - Not applicable (cord or baby blood)
1 - Satisfactory
2 - Unsatisfactory Quantity and
Satisfactory Quality
3 - Unsatisfactory Quality and
Satisfactory Quantity
4 - Unsatisfactory

NOTE: A card is present for each serum specimen with cols. 1-80
as above.

ANN-3

A card is present for each blood sample.

W17 FAMILY LINKAGE

The Family Linkage work file identifies those women registered in the NCPP who have reported as relatives other women registered in the NCPP and organizes these women and their children into family groups. This work file is divided into three logical sets known as W17A, W17B and W17C through W17M. W17A describes the relationships of the women in the NCPP. W17B describes the relationships existing between the children of these women. W17C through W17M are subsets of W17B; each file contains only one relationship, e.g., first cousins.

W17A FAMILY LINKAGE, MOTHER'S RELATIONSHIPS

This file establishes the family groups and the relationships that exist between the mothers in each family group. This file contains 8,150 records sorted into 3,242 family groups.

The following definitions apply:

family group -- a group of women linked genetically or by marriage. These family groups are numbered 1 to 3242.

position number -- each mother in a family group is assigned a number to identify her position within the group. The maximum number of women in a family group is 15.

double relationship -- indicates that the two mothers are related in two ways.

registrant -- the mother indicated by the NINDB case number in the record.

reference mother -- the mother to whom the registrant is related.

applicable father -- in the case of repeat pregnancies with different fathers, each father is assigned a number beginning with 1. Applicable father indicates through which father the relationship exists.

There is one record for each of the 8,150 women in this file. Each record contains the family group number, the position number of the registrant, the number of mothers in the family groups, the NINDB case number of the registrant, the double relationship code, and ten 6-digit data fields describing the relationship between the registrant and another mother in the

family group. If there is a double relationship, there will be a 6-digit field describing each relationship. Each 6-digit data field consists of a two digit code describing the relationship of the registrant to the reference mother, a two digit code indicating the reference mother's position number in the family group, a one digit code for applicable father number of the reference mother (if the relationship is via the father of the child and multiple fathers exist) and a one digit code for the applicable father number of the registrant (if the relationship is via the father of the child and multiple fathers exist).

Examples of data records for family groups:

Example 1, Family Group Number 1214

12140102AAAAAA151021Ø
12140202BBBBBBØ10201Ø1

Mother 1 of this group

1214 = family group number

01 = position number of registrant

02 = number of mothers in the family group

AAAAAA = NINDB case number of the registrant

1 = double relationship code; 1 = No, 2 = Yes

51021Ø = first relationship

51 = the registrant is sister of the husband of reference mother

02 = reference mother's position number

1 = relationship exists only for father number 1 of reference mother's children

Ø (blank) = applicable father number of registrant's children does not affect relationship

Mother number 2 of this group

1214 = family group number

02 = position number of registrant

02 = number of mothers in the family group

BBBBBB = NINDB case number of the registrant

1 = double relationship code; 1 = No, 2 = Yes

020101 : second relationship

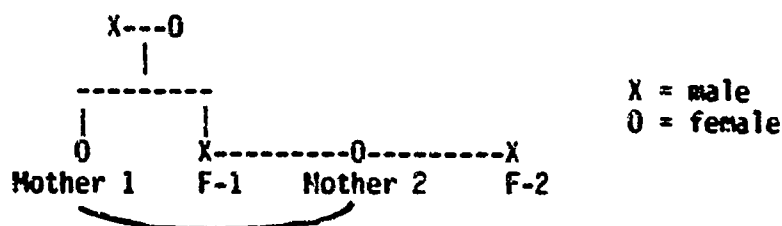
02 = registrant is the brother's wife of the reference mother

01 = reference mother's position number

Ø (blank) = applicable father of reference mother's children
does not affect the relationship

1 = relationship exists only for father number 1 of registrant's children

Diagram of family group 1214:



Mother 1 is sister of Father 1 of Mother 2's children

Example 2 Family Group Number 0888

08880102CCCCCCC20102ØØ5202ØØ

08880202DDDDDD20101ØØ5201ØØ

Mother 1 of this group

0888 = family group number

01 = position number of registrant

02 = number of mothers in the family group

CCCCCCC = registrant's NINDB case number

2 = double relationship code; 1 = No, 2 = Yes

0102ØØ = first relationship

01 = registrant is sister of reference mother

02 = reference mother's position number

Ø (blank) = applicable father of reference mother's children
does not affect relationship

Ø (blank) = applicable father of registrant's children
does not affect relationship

5202ØØ = second relationship

52 = registrant is the brother's wife of the husband of
the reference mother

02 = reference mother's position number

Ø (blank) = applicable father of reference mother's children
does not affect relationship

Ø (blank) = applicable father of registrant's children
does not affect relationship

Mother 2 of this group

02 = number of mothers in family group

0000000 = registrant's NINDB case number

2 = double relationship code; 1 = No, 2 = Yes

0101## = first relationship

01 = registrant is sister of reference mother

01 = reference mother position number

(blank) = applicable father of reference mother's children
does not affect relationship

(blank) = applicable father of registrant's children does not
affect relationship

5201## = second relationship

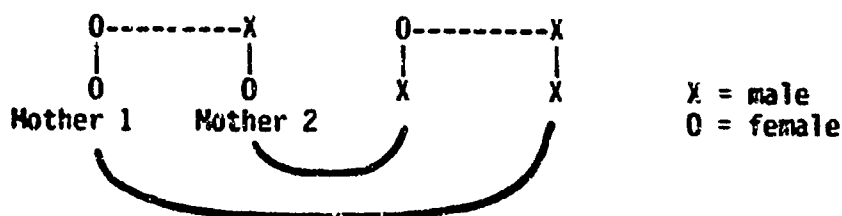
52 = registrant is the brother's wife of the husband of reference
mother

01 = reference mother's position number

(blank) = applicable father of reference mother's children
does not affect relationship

(blank) = applicable father of registrant's children
does not affect relationship

Diagram of Family Group 0888



W17B FAMILY LINKAGE, CHILDREN'S RELATIONSHIPS

The Family Linkage Children's Relationships File lists all the children of each mother in the family group and defines the relationship if any exists between the children of the mothers in the family groups established in work file W17A, Mother's Relationships. This file contains records for 12,094 children sorted into the 3,242 family groups. The definition of terms for this file are the same as those for work file W17A.

Each record consists of the family group number, registrant's position number, number of mothers in the group, the NINDB case number of the child of the registrant, the registrant's race, the race of the father of the child,

the sex of the child, the father number, the double relationship code and ten 6-digit data fields indicating the relationship if any between the registrant's child and the children of the other mothers in the family group. Each 6-digit data field contains a two digit code indicating the relationship of the registrant's child to the reference mother's child, if the relationship exists, a two digit code indicating the reference mother's position in the family group, a one digit code for the applicable father number of the reference mother's child (if multiple father's exist) and a one digit code for the applicable father number of the registrant's child (if multiple fathers exist).

Example 1

```
12140102AAAAAAA102221133021B
12140102AAAAAAA202221133021B
12140102AAAAAAA302221133021B
12140202BBBBBBB10222113301B1
12140202BBBBBBB20222113301B1
```

The relationship between the children in this file is qualified by applicable father. The children of mother 01 are first cousins to the children of mother 02 and vice versa only if the applicable father of the children of mother 02 is father number 1. Therefore child BBBB20 is not the first cousin of the children of mother 01 since father number BBBB20 is 2.

For each family group, file W17B lists all the possible relationships between the children. This includes some relationships which aren't true when the applicable father numbers are considered; see the example above. To simplify using this data, work files W17C through W17M were created. Each of these files contains information for one relationship, e.g., first cousins, and contains data only on the relationships that actually exist.

W17C through W17M FAMILY LINKAGE, CHILDREN BY SPECIFIC RELATIONSHIPS

This work file, Family Linkage, Children by Specific Relationships, is one data tape containing the following 11 data sets:

<u>Work file</u>	<u>DSNAME</u>	<u>Relationship</u>	<u>Record Count</u>
W17C	FAMST6.A.JMF29905	First cousin	8829
W17D	FAMST6.B.JMF29905	Nieces and nephews	301
W17E	FAMST6.C.JMF29905	Aunts and uncles	219
W17F	FAMST6.D.JMF29905	First cousins - children of mother's sister	4626
W17G	FAMST6.E.JMF29905	First cousins - children of mother's brother or sister-in-law	1467
W17H	FAMST6.F.JMF29905	First cousins - children of mother's brother-in-law	4250
W17I	FAMST6.G.JMF29905	Half nieces and nephews	343
W17J	FAMST6.H.JMF29905	Half aunts and uncles	266
W17K	FAMST6.I.JMF29905	Half first cousins	775
W17L	FAMST6.J.JMF29905	First cousins, once removed	1405
W17M	FAMST6.K.JMF29905	Second cousins	1841

The 11 data sets are identical in layout. Each record contains twenty-five 12-digit data fields. Each 12 digit data field contains the HINDB case number of the child, the mother's race, the father's race, and the sex of the child.

TAPE CHARACTERISTICS

The family linkage work file is available on three tapes.

W17A, Mother's Relationship File, contains 8150 records; 76 characters per record; 3800 characters per block.

W17B, Children's Relationship File, contains 12,094 records; 82 characters per record; 4182 characters per block.

W17C-W17M, Children by Specific Relationship File, consists of 11 data sets stored on a single computer tape. The structure of each data set is identical. See the description of this file for the DSNAME and record count of each data set. Each record is 300 characters in length; 4200 characters per block.

The family linkage work file is available on 1600 bpi 9 track tapes.

TABLE OF DATA ITEMS

Family linkage, mother's relationships

DATA ITEM IN	CARD NUM	FROM	TO	DATA ITEM NAME
6680..W-17A		3	4	Family linkage group number: FAMILY, GENERAL, LINKAGE
6681..W-17A		5	6	Mother, registrant, position: Family linkage group: FAMILY, GENERAL, LINKAGE
6682..W-17A		7	8	Mother, number in: family linkage group: FAMILY, GENERAL, LINKAGE
6683..W-17A		9	15	Mother, registrant, within case number: family linkage group: FAMILY, GENERAL, LINKAGE
6684..W-17A		16	16	Mother, double relationship: family linkage group: FAMILY, GENERAL, LINKAGE
6685..W-17A		17	18	Mother, registrant, relationship to non reference mother: family linkage group: FAMILY, GENERAL, LINKAGE
6686..W-17A		19	20	Mother, reference: family linkage group, position in: FAMILY, GENERAL, LINKAGE
6687..W-17A		21	21	Mother, reference: family linkage group, applicable father number: FAMILY, GENERAL, LINKAGE
6688..W-17A		22	22	Mother, registrant: family linkage group, applicable father number: FAMILY, GENERAL, LINKAGE
6689..W-17A		23	76	Family linkage group, report of tape locations 17-22 for possible relationships 2 to 10: FAMILY, GENERAL, LINKAGE

TABLE OF DATA TYPES

Family linkage, children's relationships

DATA ITEM IN	CARD NUM	FROM	TO	NATA ITEM NAME
6690..W-17A	1	4		Family linkage group number: Family, GENERAL, LINKAGE
6691..W-17A	5	6		Child, mother's position: family linkage group: Family, GENERAL, LINKAGE
6692..W-17A	7	8		Mothers, number in: family linkage group: Family, GENERAL, LINKAGE
6693..W-17A	9	17		Child, mother's case number: family linkage group: Family, GENERAL, LINKAGE
6694..W-17A	18	18		Child, race of mother: family linkage group: Family, GENERAL, LINKAGE
6695..W-17A	19	19		Child, race of father: family linkage group: Family, GENERAL, LINKAGE
6696..W-17A	20	20		Child, sex: family linkage group: Family, GENERAL, LINKAGE
6697..W-17A	21	21		Child, father number: family linkage group: Family, GENERAL, LINKAGE
6698..W-17A	22	22		Child, double relationship in family linkage group: Family, GENERAL, LINKAGE
6699..W-17A	23	24		Child, relationship to children of new reference mother: Family, GENERAL, LINKAGE
6700..W-17A	25	26		Mother, reference: family linkage group, applicable for Family, GENERAL, LINKAGE
6701..W-17A	27	27		Mother, reference: family linkage group, applicable father number: Family, GENERAL, LINKAGE
6702..W-17A	28	28		Mother, remigrant: family linkage group, applicable father number: Family, GENERAL, LINKAGE
6703..W-17A	29	32		Family linkage group, parent of same locations 23-28 for possible relationships 2 to 10: Family, GENERAL, LINKAGE

TABLE OF DATA TYPES

Family linkage, first cousin		DATA CARD		DATA ITEM NAME	
ITEM IN	NUM	FROM	TO		
6704..W-17C	1	0		Cousin, first, WITHIN CASE NUMBER; Family linkage group: FAMILY, GENERAL, LINKAGE	
6705..W-17C	10	10		Cousin, first, RACE OF MOTHER; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6706..W-17C	11	11		Cousin, first, RACE OF FATHER; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6707..W-17C	12	12		Cousin, first, SEX OF CHILD; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6708..W-17C	13	100		Family linkage group, percent of first cousin info in locations 1-12 for possible relationships 1 to 25; FAMILY, GENERAL, LINKAGE	

TABLE OF DATA TYPES

Family Linkage, Nieces and Nephews

DATA TYPE IN	CARD NUM	FROM	TO	DATA ITEM NAME
6709..W-170	1	9		niece/nephew, WMDN case number; Family linkage group: FAMILY, GENERAL, LINKAGE;
6710..W-170	10	10		niece/nephew, race of mother; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INP
6711..W-170	11	11		niece/nephew, race of father; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INP
6712..W-170	12	12		niece/nephew, sex; Family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INP
6713..W-170	13	100		Family linkage group, repeat of piece of nephew info in locations 1-12 for possible relationships 2 to 25; FAMILY, GENERAL, LINKAGE;

TABLE OF DATA TYPES

Family linkage, aunts and uncles

DATA TYPE	FROM	TO	DATA ITEM NAME
6714..W-17F	1	9	Aunt/uncle, WINDA case number: family linkage group: FAMILY, GENERAL, LINKAGE
6715..W-17F	10	10	Aunt/uncle, race of mother: family linkage group: FAMILY, GENERAL, SNOCECONOMIC INFO
6716..W-17F	11	11	Aunt/uncle, race of father: family linkage group: FAMILY, GENERAL, SNOCECONOMIC INFO
6717..W-17F	12	12	Aunt/uncle, sex of child: family linkage group: FAMILY, GENERAL, SNOCECONOMIC INFO
6718..W-17F	13	300	Family linkage group, repeat of aunt or uncle info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE

TABLE OF DATA TYPES

Family linkage, first cousin - children of mother's sister

DATA TYPE	CARD NUM	FROM	TO	DATA ITEM NAME
6719..W-17F	1	9	Cousin, first, children of mother's sister, MINOR case number; family linkage group: FAMILY, GENERAL, LINKAGE	
6720..W-17F	10	10	Cousin, first, children of mother's sister, race of mother; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6721..W-17F	11	11	Cousin, first, children of mother's sister, race of father; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6722..W-17F	12	12	Cousin, first, children of mother's sister, sex of child; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO	
6723..W-17F	13	300	Family linkage group, repeat of first cousin info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE	

TABLE OF DATA TYPES

Family linkage, first cousin - children of mother's brother or sister-in-law

ITEM IN	DATA CASE NO	FROM	TO	DATA ITEM NAME
6724..W-17C		1	9	Cousin, first, children of mother's brother or sister-in-law, MINOR case number: family linkage group: FAMILY, GENERAL, LINKAGE
6725..W-17C		10	10	Cousin, first, children of mother's brother or sister-in-law, race of mother: family linkage group: FAMILY, GENERAL, SDCIOFCNNMTC INFO
6726..W-17C		11	11	Cousin, first, children of mother's brother or sister-in-law, race of father: family linkage group: FAMILY, GENERAL, SDCIOFCNNMTC INFO
6727..W-17C		12	12	Cousin, first, children of mother's brother or sister-in-law, sex of child: family linkage group: FAMILY, GENERAL, SDCIOFCNNMTC INFO
6728..W-17C		13	300	Family linkage group, repeat of first cousin info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE

TABLE OF DATA ITEMS

Family linkage, first cousin - children of mother's brother-in-law

ITEM IN	NUM	FROM	TO	DATA ITEM NAME
6729..W-17H	1	9		Cousin, first, children of mother's brother-in-law, minor case numbers; family linkage group: FAMILY, GENERAL, LINKAGE
6730..W-17H	10	10		Cousin, first, children of mother's brother-in-law, race of mother; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6731..W-17H	11	11		Cousin, first, children of mother's brother-in-law, race of mother; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6732..W-17H	12	12		Cousin, first, children of mother's brother-in-law, sex of child; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6733..W-17H	13	100		Family linkage group, repeat of first cousin info in locations 1-12 for possible relationships 2 to 75: FAMILY, GENERAL, LINKAGE

TABLE OF DATA TYPES

Family linkage, half nieces and nephews

DATA CARD	FROM	TO	DATA ITEM NAME
6734..W-177	1	9	Niece/nephew, half, within case number; family linkage group: FAMILY, GENERAL, LINKAGE
6735..W-177	10	10	Niece/nephew, half, each of mother; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6736..W-177	11	11	Niece/nephew, half, each of father; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6737..W-177	12	12	Niece/nephew, half, sex of child; family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6738..W-177	13	100	Family linkage group, subset of niece or nephew info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE

TABLE OF DATA ITEMS

Family linkage, half aunts and uncles

DATA ITEM IN	CARD NUM	FROM	TO	DATA ITEM NAME
6739..W-171		1	9	Aunt/uncle, half, AINDR case number: family linkage group: FAMILY, GFWFAL, LINKAGE
6740..W-171		10	10	Aunt/uncle, half, race of mother: family linkage group: FAMILY, GENERAL, SOCIOECNOMIC INFO
6741..W-171		11	11	Aunt/uncle, half, race of father: family linkage group: FAMILY, GENERAL, SOCIOECNOMIC INFO
6742..W-171		12	12	Aunt/uncle, half, sex of child: family linkage group: FAMILY, GENERAL, SOCIOECNOMIC INFO
6743..W-171		13	100	Family linkage group, repeat of half aunt or uncle info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE

TABLE OF DATA ITEMS

Family linkage, half first cousins

DATA ITEM	IN	CARD NUM	FROM	TO	DATA ITEM NAME
6744..W-17K			1	9	Cousin, half first, WHDA case number: family linkage group: FAMILY, GENERAL, LINKAGE
6745..W-17K			10	10	Cousin, half first, race of mother: family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6746..W-17K			11	11	Cousin, half first, race of father: family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6747..W-17K			12	12	Cousin, half first, sex of child: family linkage group: FAMILY, GENERAL, SOCIOECONOMIC INFO
6748..W-17K			13	100	Family linkage group, repeat of first cousin info in locations 1-12 for possible relationships 2 to 25: FAMILY, GENERAL, LINKAGE

TABLE OF DATA ITEMS

Family linkage, first cousins, once removed

DATA ITEM	CARD NUM	FROM	TO	DATA ITEM NAME
6749..M-17L		1	4	Cousin, first, once removed, WITH case number; family linkage group; FAMILY, GENERAL, LINKAGE
6750..M-17L		10	10	Cousin, first, once removed, race of mother; family linkage group; FAMILY, GENERAL, SOCIOECONOMIC INFO
6751..M-17L		11	11	Cousin, first, once removed, race of father; family linkage group; FAMILY, GENERAL, SOCIOECONOMIC INFO
6752..M-17L		12	12	Cousin, first, once removed, sex of child; family linkage group; FAMILY, GENERAL, SOCIOECONOMIC INFO
6753..M-17L		13	100	Family linkage group, repeat of first cousin, once removed info in locations 1-12 for possible relationships 2 to 25; FAMILY, GENERAL, LINKAGE

TABLE OF DATA TYPES

Family linkage, second cousins

DATA TYPE	CARD NUM	FROM	TO	DATA ITEM NAME
6754..W-17u		1	9	Cousin, second, MINOR case number; family linkage group: FAMILY, GENERAL, LINKAGE
6755..W-17u		10	10	Cousin, second, race of mother; family linkage group: FAMILY, GENERAL, SACTOPCENNATC INPD
6756..W-17u		11	11	Cousin, second, race of father; family linkage group: FAMILY, GENERAL, SACTOPCENNATC INPD
6757..W-17u		12	12	Cousin, second, sex of child; family linkage group: FAMILY, GENERAL, SACTOPCENNATC INPD
6758..W-17u		13	300	Family linkage group, parent of second cousin info in locations 1-12 for possible relationships 2 to 75: FAMILY, GENERAL, LINKAGE

DEFINITION OF CODES, 17A **FAMILY LINKAGE**

<u>Column</u>	<u>Field Name</u>	<u>Codes</u>
1-4	family group number	0001-3245 as given
5-6	position number of registrant	01-15 as given
7-8	number of mothers in group	02-15 as given
9-15	NINDS case number of registrant	
16	double relationship code	1 = no 2 = yes
17-18	relationship of registrant to reference mother	see attached mother's relationship codes
19-20	reference's mother position number	01-15 as given
21	applicable father number of reference mother	blank = applicable father of mother's children does not affect relationship 1 = father number 1 2 = father number 2
22	applicable father number of the registrant	
23-28	2nd relationship, repeat of columns 17-22	
29-34	3rd relationship, repeat of columns 17-22	
35-40	4th relationship, repeat of columns 17-22	
41-46	5th relationship, repeat of columns 17-22	
47-52	6th relationship, repeat of columns 17-22	
53-58	7th relationship, repeat of columns 17-22	
59-64	8th relationship, repeat of columns 17-22	
65-70	9th relationship, repeat of columns 17-22	
71-76	10th relationship, repeat of columns 17-22	

Mother's Relationship Codes*

<u>Via Registrant</u>	<u>Via Husband of Reference Mother</u>	<u>Relationship</u>
1	51	Sister
2	52	Brother's wife
3	--	Full daughter
4	--	Full son's wife
5	55	One spouse's daughter
6	56	One spouse's son's wife
7	57	Mother
8	58	Mother, remarried
9	59	Father's wife
10	60	Maternal 1/2 sister
11	61	Maternal 1/2 brother's wife
12	62	Paternal 1/2 sister
13	63	Paternal 1/2 brother's wife
14	64	Half sister, unspecified
15	65	<u>1/2 brother, unspecified</u>
16	66	Sister's daughter
17	67	Brother's daughter
18	68	Niece, unspecified
19	69	Sister's son's wife
20	70	Brother's son's wife
21	71	Nephew's wife, unspecified
22	72	Mother's sister
23	73	Father's sister
24	74	Aunt, unspecified
25	75	Mother's brother's wife
26	76	Father's brother's wife
27	77	Uncle's wife, unspecified
28	78	First cousin
29	79	First cousin's wife
--	84	Other wife
35	--	Mother's mat. 1/2 sister
37	--	Father's mat. 1/2 sister
38	--	Mat. 1/2 sister's daughter
39	--	Pat. 1/2 brother's daughter
40	--	Pat. 1/2 sister's son's wife
41	--	Mat. 1/2 brother's daughter
42	--	Father's paternal 1/2 sister
97	97	Other

*The registrant is saying:

Code 1 = I am the sister of the reference mother.

Code 51 = I am the sister of the husband of the reference mother.

Code 2 = I am the brother's wife of the reference mother.

Code 52 = I am the brother's wife of the husband of the reference mother.

DEFINITION OF CODES, 17B FAMILY LINKAGE

Column	Field Name	Codes
1-4	family group number	0001-3242 as given
5-6	position number of registrant	01-15 as given
7-8	number of mothers in group	02-15 as given
9-17	NINDB case number of child of registrant	
18	mother's race	1 = white 2 = black 3 = oriental 4 = Puerto Rican 8 = other
19	father's race	blank = not available 1 = white 2 = black 3 = oriental 4 = Puerto Rican 8 = other
20	sex of child	1 = male 2 = female 3 = undetermined 9 = unknown
21	father number	blank = single registration 1 = repeat registration 1st father reported 2-5 = repeat registration 2nd through 5th father reported
22	double relationship code	1 = no 2 = yes
23-24	relationship registrant's child and reference mother's children	see attached children's relationship codes
25-26	reference mother's position	01-15 as given
27	applicable father number of reference mother	} blank = applicable father of mother's children does not affect relationship 1 = father number 1 2 = father number 2
28	applicable father number of registrant	
29-34	2nd relationship, repeat of columns 23-28	
35-40	3rd relationship, repeat of columns 23-28	
41-46	4th relationship, repeat of columns 23-28	
47-52	5th relationship, repeat of columns 23-28	
53-58	6th relationship, repeat of columns 23-28	
59-64	7th relationship, repeat of columns 23-28	
65-70	8th relationship, repeat of columns 23-28	
71-76	9th relationship, repeat of columns 23-28	
77-82	10th relationship, repeat of columns 23-28	

Definitions of Children's codes

<u>Code</u>	<u>Relationship</u>	<u>Genetic Correlation</u>
01	(Paternal) half sibling	1/4
02	Niece or nephew	1/4
03	Aunt or uncle	1/4
*04	Double first cousin	1/4
*11	First cousin + 1/2 first cousin	3/16
*12	First cousin + first cousin, once removed	3/16
*21	First cousin + second cousin	5/32
31	First cousin (children of sisters)	1/8
32	First cousin (children of brothers)	1/8
33	First cousin (children of brother & sister)	1/8
35	1/2 (Aunt or uncle)	1/8
41	1/2 First cousin	1/8
42	First cousin, once removed	1/16
51	Second cousin	1/32
52	1/2 (First cousin, once removed)	1/32

*Double relationship

DEFINITION OF CODES, 17C - 17M FAMILY LINKAGE

<u>Columns</u>	<u>Name</u>	<u>Codes</u>
1-9	NINDS case number	
10	mother's race	1 = white 2 = black 3 = oriental 4 = Puerto Rican 8 = other
11	father's race	blank = not available 1 = white 2 = black 3 = oriental 4 = Puerto Rican 8 = other
12	child's sex	1 = male 2 = female 3 = undetermined 9 = unknown
13-24	2nd relationship, repeat of columns 1-12	
25-36	3rd relationship, repeat of columns 1-12	
37-48	4th relationship, repeat of columns 1-12	
49-60	5th relationship, repeat of columns 1-12	
61-72	6th relationship, repeat of columns 1-12	
73-84	7th relationship, repeat of columns 1-12	
85-96	8th relationship, repeat of columns 1-12	
97-108	9th relationship, repeat of columns 1-12	
109-120	10th relationship, repeat of columns 1-12	
121-132	11th relationship, repeat of columns 1-12	
133-144	12th relationship, repeat of columns 1-12	
145-156	13th relationship, repeat of columns 1-12	
157-168	14th relationship, repeat of columns 1-12	
169-180	15th relationship, repeat of columns 1-12	
181-192	16th relationship, repeat of columns 1-12	
193-204	17th relationship, repeat of columns 1-12	
205-216	18th relationship, repeat of columns 1-12	
217-228	19th relationship, repeat of columns 1-12	
229-240	20th relationship, repeat of columns 1-12	
241-252	21st relationship, repeat of columns 1-12	
253-264	22nd relationship, repeat of columns 1-12	
265-276	23rd relationship, repeat of columns 1-12	
277-288	24th relationship, repeat of columns 1-12	
289-300	25th relationship, repeat of columns 1-12	

W18 VISIT SUMMARY

The Visit Summary work file was created by Dr. Raymond Neff, Director of the Health Sciences Computer Facility, Harvard School of Public Health, Boston under contract number N01-HS3-2320. This file contains data on clinical observations of the gravida's weight, blood pressure, urine albumin and edema collected at each patient visit, gestation at registration and delivery, pregnancy outcome, birthweight, placental weight and number of visits for NCPP cases registered through 28 weeks gestation.

Publications based on the data include:

Friedman, EA, and RK Neff, 1978. Hypertension-hypotension in pregnancy: correlation with fetal outcome. JAMA 239: 2249-2251.

Friedman, EA, and RK Neff, 1977. Pregnancy Hypertension: A Systematic Evaluation of Clinical Diagnostic Criteria. Littleton, MA, PSG Publishing Co. Inc, pp 256.

This work file contains 267,128 records for 28,455 cases. For each of the 28,455 cases in this file there is a basic data record followed by one record for each visit. The basic data record contains the NINDB case number, race, age of gravida, parity, LMP (last menstrual period) date, gestation at registration, gestation at delivery, birthweight, placental weight, outcome of pregnancy and total number of visits. Each visit record contains LMP displacement (days), weight of gravida, systolic and diastolic blood pressure, urine albumin, and edema.

Sample records for NINDB case number 05AAAAA10 showing nine visits and for 05BBBBB30 showing five visits:

05AAAAA10123010824581939382799997009
14314611007809999990
15014713007009999990
17815115607009999990
21415915007009999990
22515712007009999990
23916012007009999990
26016617007609999990
26316313208009999990
27016710007009999995

058888830128040913632838303304806005
20618913607600000009
23419013607800000009
24819214003800009009
25218913008200000009
25919313007400000009

TAPE CHARACTERISTICS

This file is available on 1600 bpi 9 track tape, 40 characters per record, 4000 characters per block.

TABLE OF DATA ITEMS

VISIT SUMMARY DATA ITEM IN	CARD NUM	FROM	TO	DATA ITEM NAME
6759....W-1A	1	9		WINDA case number
6760....W-1A	10	10		PAGE: MOTHER, GENERAL, SOCIOECONOMIC INFO
6761....W-1A	11	12		AGE (Yrs): MOTHER, REGISTRATION, CURRENT PREGNANCY
6762....W-1A	13	14		PARITY: PREGNANCIES PRIOR TO: TOTAL NUMBER OF NON-ABORTION OF 20 WKS Gestation or greater: MOTHER, PRECONCEPTION, REPRODUCTIVE HISTORY
6763....W-1A	15	20		Menstrual period: LMP, first day (mo/day/yr): MOTHER, PRECONCEPTION, GYNECOLOGICAL HISTORY
6764....W-1A	21	22		Gestation at registration (WKS): MOTHER, REGISTRATION, CURRENT PREGNANCY
6765....W-1A	23	24		Gestation at delivery (WKS): CHILD, DELIVERY, MEDICAL HISTORY
6766....W-1A	25	26		Birth weight (lbs): CHILD, DELIVERY, PHYSICAL EXAM
6767....W-1A	27	32		Weight: Placental (lbs): PLACENTA, GENERAL, PATHOLOGY
6768....W-1A	33	34		Outcome: current pregnancy: tests: SURVIVORS: MOTHER, GENERAL, SUMMARY
6769....W-1A	35	36		VISITS, prenatal, total number: MOTHER, prenatal, CURRENT PREGNANCY
6770....W-1A	37	40		Blank
6771....W-1A	1	3		LMP displacement (days), nth visit: MOTHER, prenatal, CURRENT PREGNANCY
6772....W-1A	4	6		Weight (lbs), nth visit: MOTHER, prenatal, PHYSICAL EXAM
6773....W-1A	7	9		Blood pressure, systolic, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6774....W-1A	10	12		Blood pressure, diastolic, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6775....W-1A	13	13		Albumin, urine, nth visit: MOTHER, prenatal, CLINICAL LAB
6776....W-1A	14	14		Edema, face, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6777....W-1A	15	15		Edema, hands, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6778....W-1A	16	16		Edema, abdominal wall, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6779....W-1A	17	17		Edema, presacral, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6780....W-1A	18	18		Edema, prefrontal, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6781....W-1A	19	19		Edema, ankle or foot, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6782....W-1A	20	20		Edema, quantity without site, nth visit: MOTHER, prenatal, PHYSICAL EXAM
6783....W-1A	21	40		Blank

**CODEBOOK
VISIT FILE**

**BASIC DATA RECORD
Cases registered through 28 weeks gestation**

<u>Field</u>	<u>Format</u>	<u>Identification</u>
1-9	IIXXXXXPN	NINDS Number II Institution 05 Boston 10 Buffalo 15 Charity 31 Columbia 37 Johns Hopkins 45 Virginia 50 Minnesota 55 New York 60 Oregon 66 Pennsylvania 71 Providence 82 Tennessee XXXXX Number assigned at hospital P Study Pregnancy N Plurality Blank No child 0 Single birth 1 First of multiple birth 2 Second of multiple birth 3 Third of multiple birth 4 Fourth of multiple birth 9 Mother's record
10	X	Race 1 = White 2 = Black 9 = Unknown
11-12	XX	Age of Gravida (years)
13-14	XX	Parity (prior non-abortions greater than or equal to 20 weeks gestation) 00 no prior pregnancy or prior pregnancy, no prior viable 01-28 number of prior viable 99 unknown

NOTE: Unless otherwise stated, blanks are missing values.

<u>Field</u>	<u>Format</u>	<u>Identification</u>
15-20	MMDDYY	LMP Date
21-22	XX	Gestation at Registration (weeks)
23-24	XX	Gestation at Delivery (duration) Measured in weeks
25-28	XXXX	Birthweight (grams)
29-32	XXXX	Placental Weight (grams) 0001-2000 as given 9999 unknown
33-34	XX	Outcome 60 - Liveborn, still living 01 - Abortion (19 weeks gestation or less) 02 - Abortion (PRB review) 03 - Mole 11 - Stillbirth (20 weeks gestation or more) 12 - Stillbirth (PRB review) 29 - Fetal Death - type unknown 30 - Under 24 hours of age 31 - One day 32 - Two days 33 - Three days 34 - Four days 35 - Five days 36 - Six days 37 - Seven days 38 - 8-27 days 39 - Neonatal Death, time unknown 40 - 28 days through 1 year 51 - 1 year - 2 years 52 - 2 years 1 day - 3 years 53 - 3 years 1 day - 4 years 54 - 4 years 1 day - 5 years 55 - 5 years 1 day - 6 years 56 - 6 years 1 day - 7 years 57 - 7 years 1 day - 8 years 58 - 8 years 1 day - 9 years 59 - Child Death, time unknown 99 - Unknown
35-36	XX	Total Number of Visits: 01-49 assumed range of visits
37-40		Blank

NOTE: Unless otherwise stated, blanks are missing values.

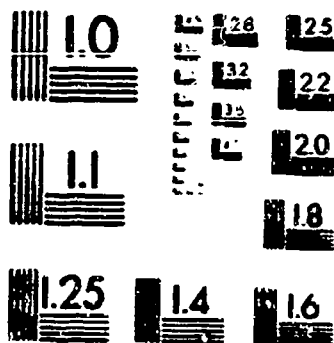
VISIT RECORD
One Record Per Visit

<u>Field</u>	<u>Format</u>	<u>Identification</u>
1-3	XXX	LMP Displacement (days) 1-365 assumed range 999 unknown
4-6	XXX	Weight of Gravida (pounds) 050-377 as given 999 unknown
7-9	XXX	Systolic Blood Pressure 040-280 as given 999 unknown
10-12	XXX	Diastolic Blood Pressure 010-200 as given 999 unknown
13	X	Urine Albumin 0 - None 1 - 1+, 30 mgs, slight 2 - 2+, 40-100 mgs 3 - 3+, 150-350 mgs, moderate 4 - 4+, 600-2000 mgs, severe 5 - Positive - unqualified 7 - Trace, less than 30 mgs 8 - Questionable 9 - Unknown

NOTE: Unless otherwise stated, blanks are missing values.

<u>Field</u>	<u>Format</u>	<u>Identification</u>
14	X	Edema
15	X	Face
16	X	Hands
17	X	Abdominal Wall
18	X	Presacral
19	X	Pretibial
		Ankle or Foot
		Code (V14 through V19):
		0 - None
		1 - 1+, slight
		2 - 2+, moderate
		3 - 3+
		4 - 4+, severe
		5 - Positive - unquantified
		6 - Positive - quantified but no specific site
		7 - Trace
		8 - Postural
		9 - Unknown, not on Rev. "0"
20	X	Quantity without Site (08 10 only)
		Code:
		0 - None
		1 - 1+, slight
		2 - 2+, moderate
		3 - 3+
		4 - 4+, severe
		5 - Positive - unquantified
		7 - Trace
		8 - Questionable history
		9 - Unknown, not on Rev. "1"
21-40		Blank

NOTE: Unless otherwise stated, blanks are missing values.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

CONTINUED ON NEXT FICHE