

Instruction Manual, part 3a:
CLASSIFICATION AND CODING INSTRUCTIONS FOR BIRTH RECORDS, 1999-
2001

This instruction manual was prepared by the Division of Vital Statistics. Questions regarding this manual and other related Vital Statistics Cooperative Program activities should be directed to the Data Acquisition and Evaluation Branch, Division of Vital Statistics, National Center for Health Statistics, P.O. Box 12214, Research Triangle Park, North Carolina 27709. Questions concerning analysis of natality data should be referred to the Reproductive Statistics Branch, Division of Vital Statistics, National Center for Health Statistics, 6525 Belcrest Road, Presidential Building, Room 840, Hyattsville, Maryland 20782.

Table of Contents

Page

Section I - Introduction	1
Section II - Procedures for Electronic Files	1
Receipts	1
Processing	2
Section III - File Layout and Coding Instructions	2
1999-2001 Natality File Layout	3
Shipment Number	4
Birth Number	4
Date of Birth	4
Sex	4
Geographic Place of Birth - State, County	5
Type of Place of Birth	5
Attendant at Birth	6
Mother's Date of Birth	7
Mother's Birthplace	8
Residence of Mother	9
Father's Date of Birth	16
Hispanic Origin	17
Race of Mother	19
Race of Father	19
Education of Mother	21
Education of Father	22
Pregnancy History	23
Date of Last Live Birth	23
Mother Married?	24
Date Last Normal Menses Began	25
Month of Pregnancy Prenatal Care Began	26
Prenatal Visits	27
Birth Weight	27
Clinical Estimate of Gestation Weeks	28
Plurality	28
Apgar Score	29
Medical Risk Factors for This Pregnancy	30
Other Risk Factors for This Pregnancy	31
Obstetric Procedures	32
Complications of Labor and/or Delivery	33
Method of Delivery	34
Abnormal Conditions of the Newborn	35
Congenital Anomalies	36
Receipt Date	37
Age of Mother	37
Age of Father	37

Appendix A - Geographic Codes for State of Birth and Residence	38
Appendix B - List of Major Cities in the United States and the States in Which They are Located	40
Appendix C - Interpretations of Atlas Notations	41
Appendix D - Largest City and Code by State of Residence	42
Appendix E - Other Entries Reported on Records and Code for Race	44
Appendix F - Indian Tribes in the United States, Canada, and Mexico	49
Appendix G - Other Entries Reported on Records and Codes for Education of Mother and Father	53
Appendix H - Other Entries Reported on Records and Codes for Hispanic Origin	54
Appendix I - Sampling Rate	55
Illustration 1 - Certificate of Live Birth	56
Vital Statistics Instruction Manuals	57

CLASSIFICATION AND CODING INSTRUCTIONS
FOR BIRTH RECORDS, 1999-2001

Section I - Introduction

This manual documents specifications for coding and key entry of statistical items that will be tabulated from the birth certificate by the National Center for Health Statistics (NCHS). Primarily, these specifications are used by 54 registration areas of the United States (50 states, District of Columbia, New York City, Puerto Rico and The Virgin Islands) that submit data to NCHS in electronic form through the Vital Statistics Cooperative Program (VSCP). Under the terms of the VSCP contracts with NCHS, the registration area must incorporate NCHS specifications into their own procedures so that the resultant data files meet the needs of both NCHS and the registration area. Changes effective with **1999** are in bold print.

Section II - General Procedures for Electronic Files

A. Receipts

All registration areas provide coded data to NCHS in electronic form (tapes, diskettes and PC to PC). These files include all of the live birth events registered within their jurisdiction for each calendar year. In general, data are transmitted on a monthly basis (but twice monthly is preferred). Transmittals take place at regular intervals and contain any and all records received and initially processed in the state office since the last transmittal to NCHS regardless of the month of the occurrence of the event. A record need not be "perfect" to qualify for transmittal. Each regular data transmittal shall contain all replacement records processed to date incorporating updated information from any source. For purposes of full utilization and release of the data, states are expected to transmit the majority of records within six months of occurrence and a complete and final version of all records by July 31.

B. Processing

As the files are received at NCHS-RTP, they are automatically checked for completeness, individual item code validity, and unacceptable inconsistencies between data items. The registration area is notified of any problems. In addition, NCHS staff review the files on an ongoing basis to detect problems in overall quality such as inadequate reporting for certain items, failure to follow NCHS coding rules, and systems and software errors. Traditionally, quality assurance procedures have been limited to review and analysis of differences between the NCHS and registration area code assignments for a small sample of records. In recent years, this procedure has been augmented by analyses of year to year and area to area variations in the data. These analyses are based on preliminary tabulations of the data that are cumulated on a year to date basis each month. All differences that are judged to have consequences for quality and completeness are investigated by NCHS. In the review process, statistical tests are used to call initial attention to differences for possible follow-up. As necessary, registration areas are informed of differences encountered in the tables and asked to verify the counts or to determine the nature of the differences. Missing records (except those permanently voided) and other problems detected by NCHS should be resolved and corrections transmitted to NCHS in the same manner as for those corrections identified by the registration area.

Section III -File Layout and Coding Instructions

This section provides the code structure, coding instructions, and output file locations for each item in the national data set.

Changes were made to the following items effective in 1999 to expand all year fields to four digits:

Date of Birth

Mother's Date of Birth

Father's Date of Birth

Date Last Normal Menses Began

Note: The old locations for these years have been converted to "Filler" and should be blank.

1999-2001 NCHS Natality File Layout

Items	File Location	Items	File Location
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1999-2001 NCHS Natality File Layout

Shipment No.	1 - 2	Filler	65
Certificate No.	3 - 8	Month Preg. Prenatal Care	66
Date of Birth		Named Month	67-68
Month	9 - 10	Prenatal Visits (Total)	69-70
Day	11 - 12	Birth Weight	
Filler	13 - 14	Units	71
Sex	15	Grams or Pounds/ounces	72-75
Geographic Place of Birth		Clinical Est. Of Gestation	76-77
State	16 - 17	Plurality	78
County	18 - 20	Apgar Score	
Type of Place of Birth	21	1 Minute <i>(Item deleted effected 1995)</i>	79-80
Attendant at Birth	22	5 Minutes	81-82
Mother's Date of Birth		Medical Risk Factors for	83-100
Month	23 - 24	Pregnancy	
Day	25 - 26	Filler	101-116
Filler	27 - 28	Other Risk Factors for this	
Mother Birthplace (State)	29 - 30	Pregnancy	
Residence of Mother		Tobacco	117
State	31 - 32	Aver. No. Cigar. Day	118-119
County/city	33 - 35	Alcohol Use	120
Father's Date of Birth		Aver. No. Drinks Week	121-122
Month	36 - 37	Weight Gained in Preg.	123-124
Day	38 - 39	Obstetric Procedures	125-132
Filler	40 - 41	Filler	133-138
Hispanic Origin		Comp. Of Labor/delivery	139-155
Mother	42	Filler	156-170
Father	43	Method of Delivery	171-177
Race		Filler	178-182
Mother	44	Abnormal Cond. Of	183-192
Father	45	Newborn	
Education		Filler	193-200
Mother	46 - 47	Congenital Anomalies	201-223
Father <i>(Item Deleted Effective 1995)</i>	48 - 49	Date of Birth Year	224-227
Pregnancy History		Mother's Date of Birth	228-231
Live Births - Now Living	50 - 51	Year	
Live Births - Now Dead	52 - 53	Father's Date of Birth	232-235
No. Other Terminations	54 - 55	Year	236-239
Date of Last Live Birth		Date Last Normal Menses	
Month <i>(Item Deleted Effective 1994)</i>	56 - 57	Year	240
Year <i>(Item Deleted Effective 1994)</i>	58 - 59	Filler	241-244
Mother Married?	60	Receipt Date <i>(NCHS use only)</i>	
Date Last Normal Menses		Age	245-246
Month	61-62	Mother	247-248
Day	63-64	Father	249-255

Item	Output Position(s)	Code Structure	Coding Instructions
SHIPMENT NUMBER	1-2		For NCHS use only. State is to leave blank.
BIRTH NUMBER	3-8		Left zero fill.
<p>DATE OF BIRTH</p> <p>Month</p> <p>Day</p> <p>Year</p>	<p>9-10</p> <p>11-12</p> <p>224-227</p>	<p>January 01</p> <p>February 02</p> <p>March 03</p> <p>April 04</p> <p>May 05</p> <p>June 06</p> <p>July 07</p> <p>August 08</p> <p>September 09</p> <p>October 10</p> <p>November 11</p> <p>December 12</p> <p>Not Classifiable 99</p> <p>01-31</p> <p>Not Classifiable 99</p> <p>Enter four digit year.</p>	<p>Year of birth must be reported.</p>
Filler	13-14	Blank	
SEX	15	<p>Male 1</p> <p>Female 2</p> <p>Not Classifiable 9</p>	<p>If sex is not clearly identified, code from name.</p> <p>If name does not establish sex clearly, code 9.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
<p>GEOGRAPHIC PLACE OF BIRTH</p> <p>STATE</p> <p>COUNTY</p>	<p>16-17</p> <p>18-20</p>	<p>Refer to Appendix A.</p> <p>Refer to <u>Part 8 Instruction Manual, Vital Records Geographic Classification, 1995</u>. Use code designated "Balance of County" or "Entire County." Code given for coextensive or independent city is to be used as county code.</p>	<p>Enter appropriate code.</p>
<p>TYPE OF PLACE OF BIRTH</p>	<p>21</p>	<p>Hospital 1</p> <p>Freestanding Birthing Center 2</p> <p>Clinic/Doctor's Office 3</p> <p>Residence 4</p> <p>Other 5</p> <p>Not Classifiable 9</p>	<p>Code from checkbox.</p> <p>If Place of Birth is blank or entry of "en route" or "BOA" only are reported, refer to facility name and code as indicated by facility name assuming entry to be "hospital" unless otherwise specified.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
ATTENDANT AT BIRTH	22	M.D. (Doctor of Medicine) 1 D.O. (Doctor of Osteopathy) 2 C.N.M. (Certified Nurse Midwife) 3 Other midwife 4 Other 5 Not Classifiable 9	<p>Code attendant based on the checkbox entry. If no checkbox is indicated but the title of the attendant is identified by the name, code accordingly.</p> <p>If the name of the attendant is reported without a title and the name is different from that of the certifier, code 9.</p> <p>If the attendant item is blank, refer to the signature or title of the certifier and code attendant based on information reported for the certifier.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
<p>MOTHER'S DATE OF BIRTH</p> <p>Month</p> <p>Day</p> <p>Year</p>	<p>23-24</p> <p>25-26</p> <p>228-231</p>	<p>January 01</p> <p>February 02</p> <p>March 03</p> <p>April 04</p> <p>May 05</p> <p>June 06</p> <p>July 07</p> <p>August 08</p> <p>September 09</p> <p>October 10</p> <p>November 11</p> <p>December 12</p> <p>Not Classifiable 99</p> <p>01-31</p> <p>Not Classifiable 99</p> <p>Enter four digit year.</p> <p>Not Classifiable ... 9999</p>	<p>Code as reported.</p> <p>If any part of the date is not reported, code only the missing component Not Classifiable.</p>
<p>Filler</p>	<p>27-28</p>	<p>Blank</p>	

Item	Output Position(s)	Code Structure	Coding Instructions
MOTHER'S BIRTHPLACE (STATE)	29-30	States and Possessions 01-54 Canada 55 Cuba 56 Mexico 57 Remainder of the World 59 Not Classifiable 99	Refer to Appendix A for State and possession codes. When a county or city entry is reported and State of birth of mother is not specified, refer to the State of occurrence, in the <u>Part 8, Vital Records Geographic Classification Manual, 1995</u> and code to State of occurrence if county or city is listed in that State. If the named city is not listed as an incorporated city for State of occurrence, refer to the List of Major Cities, Appendix B and code the State indicated for that city. If not in List of Major Cities, code the State when the reported city makes the State obvious (e.g., Richmond - code Virginia.)

Item	Output Position(s)	Code Structure	Coding Instructions
<p>RESIDENCE OF MOTHER</p> <p>State</p> <p>County or City</p>	<p>31-32</p> <p>33-35</p>	<p>Refer to Appendix A.</p> <p>Refer to the <u>Part 8 Instruction Manual, Vital Records Geographic Classification, 1995</u>. (Use Section II only when certificate contains no county entry.)</p>	<p>Enter appropriate code.</p> <p><u>Rules for use of coding table (pages 12-15) for Place of Residence of Mother.</u></p> <p>Apply rules in sequential order.</p> <p>If "rural" is entered, code by line 2 of table and stop.</p> <p>If "rural" is not entered, find line item that fits reporting on certificate and heading that describes reporting in "City Limits Item." Code according to instructions given when horizontal line and vertical column intersect.</p> <p><u>Example</u></p> <p>City but no county entry and outside of city limits.</p> <p>Select line 6A and column (b). Instruction where these intersect is to code "Balance of County 1/."</p> <p><u>Additional instructions:</u></p> <p>Disregard the name of a state, county, or city entered on the address line when an entry is reported in the space provided for these items.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
RESIDENCE OF MOTHER - Cont.			<p>When the state, county, or city entry has obviously been typed on the incorrect line, consider the entry when classifying resident.</p> <p>If a city entry is reported with North, East, South, or West, check the atlas to determine if it is a separate geographic place or an inclusion of the named city. If the named place is not listed in the atlas, consider the entry to be an inclusion of the city named (e.g., East Durham is not listed in the atlas, and, therefore, is considered to be an inclusion of the city of Durham).</p> <p>If county is reported and two cities are reported on the city line, check atlas to determine if one is an inclusion. If not, code to city with the larger population.</p> <p>If no county entry is reported and the city is not listed in the <u>Part 8 Instruction Manual, Vital Records Geographic Classification, 1995</u>, Section II, refer to the atlas to determine county. If atlas indicates city is listed in two counties, refer to the U.S. Census Population 1990, "Number of Inhabitants" and code to the county containing the largest part of the city's population.</p> <p>If New York City is reported as place of residence and no borough is reported, code to Manhattan Borough.</p>

CODING RULES TABLE FOR PLACE OF RESIDENCE OF MOTHER

		(a) Inside City Limits Yes	(b) Inside City Limits No
1.	Blank	County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
2.	"Rural" entry	Balance of County	Balance of County
3.	City listed in Geographic Code Manual (includes independent and coextensive cities.)	City	Balance of County
4.	City not listed in Geographic Code Manual	Balance of County	Balance of County
5.	County, but no city entry	Balance of County	Balance of County
6.	State and city but no county entry and State is <u>same</u> as State of Occurrence.		
	A. City listed in Geographic Code Manual	City	Balance of County <u>1/</u>
	B. City not listed in Geographic Code Manual.	Balance of County <u>1/</u>	Balance of County <u>1/</u>
	C. Atlas gives 2 or more cities by same name in different counties	County of birth	County of birth
	D. City not in atlas	County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
7.	State and city, but no county entry and State is <u>different</u> from State of Occurrence		
	A. City listed in Geographic Code Manual	City	Balance of County <u>1/</u>

1/ Use atlas and other reference aids to establish county and/or population. See Appendix C for rules on interpreting atlas notations.

If independent city or coextensive, use Section II, Part 8, Vital Records Geographic Classification Manual, 1995.

CODING RULES TABLE FOR PLACE OF RESIDENCE OF MOTHER - continued

(c)	(d)
<u>Inside City Limits Item</u>	<u>Inside City Limits Item</u>
Not reported or item not on certificate but street address reported	Not reported or item not on certificate and no street address reported
County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
Balance of County	Balance of County
Balance of County if indicated as "rural," "RFD," "star route," "rural delivery." All others, code to City.	City
Balance of County	Balance of County
Balance of County	Balance of County
Balance of County <u>1/</u> if indicated as "rural," "RFD," "star route," "rural delivery." All others, code to City.	City
Balance of County <u>1/</u>	Balance of County <u>1/</u>
County of birth	County of birth
County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
Balance of County <u>1/</u> if indicated as "rural," "RFD," "star route," "rural delivery." All others, code to City.	City

2/ Use same rules as coding city and county of residence.

CODING RULES TABLE FOR PLACE OF RESIDENCE OF MOTHER - continued

	(a) Inside City Limits Yes	(b) Inside City Limits No
7. (Continued)		
B. City not listed in Geographic Code Manual	Balance of County <u>1/</u>	Balance of County <u>1/</u>
C. Atlas gives 2 or more cities by same name in different counties	City with largest population	City with largest population
D. City not in atlas	Largest City of State of Residence <u>3/</u>	Largest City of State of Residence <u>3/</u>
8. State only specified with no city or county entry and State is <u>same</u> as State of Occurrence	County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
9. State only specified with no city or county entry and State is <u>different</u> from State of Occurrence	Largest City of State of Residence <u>3/</u>	Largest City of State of Residence <u>3/</u>
10. A. Foreign Country - 55 Canada 56 Cuba 57 Mexico 59 Remainder of World	Code in data positions 31-32.	(Leave data positions 33-35 blank.)
B. U.S. Possessions - 52 Puerto Rico 53 Virgin Islands 54 Guam	Code in data positions 31-32.	(Leave data positions 33-35 blank.)
11. Two State entries	County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
12. City and County entry but no State entry	County/City of birth <u>2/</u>	County/City of birth <u>2/</u>

1/ Use atlas or other reference aids to establish county and/or population. See Appendix C for rules on interpreting atlas notations.

If independent city or coextensive, use Section II, Part 8 Instruction Manual, Vital Records Geographic Classification, 1995.

CODING RULES TABLE FOR PLACE OF RESIDENCE OF MOTHER - continued

(c) <u>Inside City Limits Item</u> Not reported or item not on certificate but street address reported	(d) <u>Inside City Limits Item</u> Not reported or item not on certificate and no street address reported
Balance of County <u>1/</u>	Balance of County <u>1/</u>
City with largest population	City with largest population
Largest City of State of Residence <u>3/</u>	Largest City of State of Residence <u>3/</u>
County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
Largest City of State of Residence <u>3/</u>	Largest City of State of Residence <u>3/</u>
County/City of birth <u>2/</u>	County/City of birth <u>2/</u>
County/City of birth <u>2/</u>	County/City of birth <u>2/</u>

2/ Use same rules as coding city and county of residence.

3/ See Appendix D for city.

Item	Output Position(s)	Code Structure	Coding Instructions
<p>FATHER'S DATE OF BIRTH</p> <p>Month</p> <p>Day</p> <p>Year</p>	<p>36-37</p> <p>38-39</p> <p>232-235</p>	<p>January 01</p> <p>February 02</p> <p>March 03</p> <p>April 04</p> <p>May 05</p> <p>June 06</p> <p>July 07</p> <p>August 08</p> <p>September 09</p> <p>October 10</p> <p>November 11</p> <p>December 12</p> <p>Not Classifiable 99</p> <p>01-31</p> <p>Not Classifiable 99</p> <p>Enter four digit year.</p> <p>Not Classifiable 9999</p>	<p>Code as reported.</p> <p>If any part of the date is not reported, code only the missing component</p> <p>Not Classifiable.</p>
<p>Filler</p>	<p>40-41</p>	<p>Blank</p>	

Item	Output Position(s)	Code Structure	Coding Instructions
<p>HISPANIC ORIGIN</p> <p>Mother</p> <p>Father</p>	<p>42</p> <p>43</p>	<p>Non-Hispanic 0</p> <p>Mexican 1</p> <p>Puerto Rican 2</p> <p>Cuban 3</p> <p>Central or South American (Spanish speaking countries only) 4</p> <p>Other and unknown Hispanic 5</p> <p>Not Classifiable 9</p>	<p>When there is neither a "Hispanic Item" nor an "Ancestry Item" on the certificate then code 9.</p> <p>Refer to Appendix H for additional Hispanic entries and codes as well as specific entries for categories 4 and 5.</p> <p><u>For registration areas having the "Hispanic" item, follow instructions 1-8:</u></p> <ol style="list-style-type: none"> 1. If "No" is reported with a specified Hispanic entry in Appendix H, code the entry. 2. If "No" is reported with <u>no</u> specified Hispanic entry in Appendix H, code "0". 3. If "Yes" is reported with a specified Hispanic entry, assign the appropriate code of 1-5. 4. If "Yes" is reported with <u>no</u> specified Hispanic entry in Appendix H, and entries for race item are reported as Mexican, Cuban, or Puerto Rican or any other Hispanic entry in Appendix H, assign the appropriate code of 1-5. 5. If "Yes" is reported with <u>no</u> specified Hispanic entry in Appendix H and there are no Hispanic entries in race item, as identified in 4. above, refer to birthplace. If the birthplace is listed in Appendix H, then assign the appropriate code of 1-5. If birthplace is not listed in Appendix H, code 5.

Item	Output Position(s)	Code Structure	Coding Instructions
<p>HISPANIC ORIGIN</p> <p>Mother</p> <p>Father</p> <p>-Cont</p>			<p>6. If more than one entry is reported code first-listed Hispanic entry, e.g., for Mexican Puerto Rican, code 1.</p> <p>7. If blank and entries for race item are reported as Mexican, Cuban, or Puerto Rican or any Hispanic entries in Appendix H, assign the appropriate code of 1-5.</p> <p>8. If blank and there are no Hispanic entries in race item, as identified in 7 above, refer to birthplace. If the birthplace is listed in Appendix H, then assign the appropriate code of 1-5. Otherwise, code 9.</p> <p><u>For registration areas having an “ancestry” item, follow instructions 9-12:</u></p> <p>9. For all entries shown in Appendix H, assign the appropriate code of 1-5. For all other entries (including American), assign the code to 0.</p> <p>10. If more than one entry is reported, code first listed Hispanic entry, e.g., for Mexican-Puerto Rican, code 1; for Irish-Cuban, code 3.</p> <p>11. If blank and entries for the race item are reported as Mexican, Cuban, or Puerto Rican or any Hispanic entry in Appendix H, assign the appropriate code of 1-5.</p> <p>12. If blank and there are no Hispanic entries in the race item, as identified in 11 above, refer to birthplace. If the birthplace is listed in Appendix H, assign the appropriate code of 1-5. Otherwise, code 9.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
RACE		White includes Mexican, Puerto Rican, and other Caucasian 1 Black 2 Indian North American Central American South American Eskimo Aleut 3 Asian or Pacific Islander Chinese 4 Japanese 5 Hawaiian (includes part-Hawaiian) 6 Filipino 7 Other 8 Asian Indian A Korean B Samoan C Vietnamese D Guamian. E Multi-racial F Other Entries 0 Not Reported 9	<p>The expanded Asian and Pacific Islander categories of A, B, C, D, and E are required only for the following funded registration areas: California, Hawaii, Illinois, New Jersey, New York State, New York City, Texas and Washington. The remaining registration areas may choose to use the expanded categories or continue coding Asian Indian, Korean, Samoan, Vietnamese and Guamian to 8.</p> <p>Refer to Appendix E for other race entries on record.</p> <p>Refer to Appendix F for names of Indian tribes in the U.S., Canada, and Mexico.</p> <ol style="list-style-type: none"> 1. If Hawaiian is reported with any other race, code Hawaiian. 2. If more than one race is reported (except Hawaiian), code the first race listed. 3. If more than one race is reported with percentages or fractions given (except Hawaiian), code the race having the higher percentage or fraction. If the percentages or fractions are equal, code the first race listed. 4. If more than one race is reported with a hyphen but without percentages (except Hawaiian), code the first race listed.
Mother	44		
Father	45		

Item	Output Position(s)	Code Structure	Coding Instructions
<p>RACE</p> <p>Mother</p> <p>Father</p> <p>-cont.</p>			<p>5. If entry is "Col.," "N," "Negro," "Color(ed)," "B," "Brown," "A.A." "Afro-American," or African American," code 2 (Black).</p> <p>6. If the racial entry is "Asian," Yellow," "Oriental," or "Mongolian," and birthplace is given as China, Japan, the Philippines, Hawaii, India, Korea, Vietnam, Samoa, or Guam, code to the appropriate group (code 4-7 or A-E if using the expanded code structure or code 4-8 if not using the expanded code structure). If birthplace is not one of these places, code 8 (other Asian or Pacific Islander).</p> <p>7. If the racial entry is "Indian" and birthplace is <u>not</u> in North, Central, or South America (including Caribbean Islands), code A (Asian Indian) if using the expanded code structure or code 8 (other Asian or Pacific Islander) if not using the expanded code structure.</p> <p>8. If "part___," or "1/4, 1/2, 3/4 ___" is given as a single race entry, disregard the prefix and code race as reported.</p> <p>9. If a racial entry is reported that cannot be coded 1 - 8 or A - E, code 0 (Other Entries).</p> <p>10. If the item contains an entry of "?", "-", "Unknown" or is left blank, code 9 (Not Reported).</p>

Item	Output Position(s)	Code Structure	Coding Instructions
RACE Mother Father -cont.			11. Use code F for entries of "multi-racial," "biracial," "mixed," and other synonymous terms. Do not use code F when multiple races are reported. In such cases, apply rules 2 through 4 above as applicable. Note: States not mandated by law to code multi-racial as a separate category may continue to code these entries as '0'.

Item	Output Position(s)	Code Structure	Coding Instructions												
<p>EDUCATION</p> <p>Mother</p>	<p>46-47</p>	<p><u>Elementary or Secondary</u></p> <p>00-12</p> <p><u>College</u></p> <p>1 year 13 2 years 14 3 years 15 4 years 16 5+ years 17</p> <p>Not Classifiable 99</p>	<p>Refer to Appendix G for other entries on records.</p> <p>1. Code the highest grade completed.</p> <p>2. If two or more levels of education are reported for a parent, code the highest level classifiable to codes other than 99.</p> <p><u>Example:</u></p> <table> <thead> <tr> <th><u>Elementary or Secondary</u></th> <th><u>College</u></th> <th><u>Code</u></th> </tr> </thead> <tbody> <tr> <td>12</td> <td>2 yrs. Tech</td> <td>12</td> </tr> <tr> <td>Blank</td> <td>2 yrs. Tech</td> <td>99</td> </tr> <tr> <td>12</td> <td>2 yrs.</td> <td>14</td> </tr> </tbody> </table> <p>3. If the entry for college is reported as a partial year or indication that a full year has not been completed and no other entry is reported (e.g., one semester, one quarter, two quarters, etc.), code 12.</p> <p>4. If year is reported with a fraction or symbol such as +, -, ?, etc., ignore fraction or other symbol and code year as stated.</p>	<u>Elementary or Secondary</u>	<u>College</u>	<u>Code</u>	12	2 yrs. Tech	12	Blank	2 yrs. Tech	99	12	2 yrs.	14
<u>Elementary or Secondary</u>	<u>College</u>	<u>Code</u>													
12	2 yrs. Tech	12													
Blank	2 yrs. Tech	99													
12	2 yrs.	14													

Item	Output Position(s)	Code Structure	Coding Instructions
<p>EDUCATION Mother</p> <p>-Cont.</p>			<p>5. If two or three semesters, three or four quarters, or two or three trimesters is the only entry reported in the college block, code 13.</p> <p>6. If entry is reported as "ALL" in elementary/secondary block, code 12. If entry is reported as "ALL" in college block, code 16.</p> <p>7. If entry in college block is "A.A." or "A.S.," code 14.</p> <p>8. If entry in college block is "B.B.A.," "B.A.," "A.B.," or "B.S.," code 16.</p> <p>9. If entry in college block is "A.M.," "M.A.," "M.Sc.," "M.D.," "D.V.M.," "D.D.S.," "D.D.M.," "D.O.," "L.L.B.," "Ph.D.," or other advanced degree, code 17.</p> <p>10. When symbols such as "+," "-", "?," "/" , etc., are reported in either block and no other entry is reported, code 99. If an entry is reported in either block with a symbol reported in the other block, disregard symbol and code entry as stated.</p> <p>11. If entry is R.N. or B.S. in Nursing, code as follows:</p> <p style="padding-left: 40px;">R.N 14</p> <p style="padding-left: 40px;">2 R.N 14</p> <p style="padding-left: 40px;">3 R.N 15</p> <p style="padding-left: 40px;">4 R.N 16</p> <p style="padding-left: 40px;">B.S. in Nursing 16</p>
<p>Father</p>	<p>48-49</p>	<p>Item deleted effective 1995.</p> <p style="text-align: center;">99</p>	<p>Item deleted effective 1995.</p> <p>Code 99 for this item.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
<p>PREGNANCY HISTORY</p> <p>Number of Live Births</p> <p>Now living</p> <p>Now Dead</p> <p>Number Other Terminations</p>	<p>50-51</p> <p>52-53</p> <p>54-55</p>	<p>Enter as stated. "None", "N.A.", "-", "X", "0" 00 Blank 77 Not Classifiable 99</p> <p>Enter as stated. "None", "N.A.", "-", "X", "0" 00 Blank 77 Not Classifiable 99</p> <p>Enter as stated "None", "N.A.", "-", "X", "0" 00 Blank 77 Not Classifiable 99</p>	<p>Code 99 for entries of "?", "Unknown", "Unk.", "#", and other such symbols.</p> <p>Do not include "adoptions".</p> <p>Blanks <u>must</u> be uniquely identified.</p>
<p>DATE OF LAST LIVE BIRTH</p> <p>Month</p> <p>Year</p>	<p>56-57</p> <p>58-59</p>	<p>Item deleted effective 1994.</p> <p>99</p> <p>99</p>	<p>Item deleted effective 1994.</p> <p>Code 99 for this item.</p> <p>Code 99 for this item.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
MOTHER MARRIED?	60	Married 1 Unmarried 2 Not Classifiable 9	<p>Other Entries:</p> Legitimate 1 Widowed 2 Divorced 2 Separated 1 Common Law 1 Indian Marriage 1 Marriage Annulled 2 Illegitimate 2
			<p>When there is a conflict between checkbox and other entries, code the other entry.</p>
			<p>Use codes 1, 2, and 9 for all records - with or without "marital status" item.</p>
			<p>For records with no "marital status" item, refer to names (surnames) and code as indicated below. These instructions are listed in priority-of-use order. Use first appropriate code.</p>
			<p>Paternity acknowledgment received 2</p>
			<p>Father's name missing 2</p>
			<p>Father's and mother's current names same 1</p>
			<p>Father's and mother's current names different 2</p>
			<p>Father's and child's name same; mother's current name missing 1</p>
			<p>Father's and child's name different; mother's current name missing 2</p>
			<p>If child's surname is a hyphenated combination of the mother's and father's surnames (either entire surnames or portions of the parents' hyphenated surnames) code 1</p>

Item	Output Position(s)	Code Structure	Coding Instructions
<p>DATE LAST NORMAL MENSES BEGAN</p> <p>Month</p> <p>Day</p> <p>Year</p>	<p>61-62</p> <p>63-64</p> <p>236-239</p>	<p>January 01 February 02 March 03 April 04 May 05 June 06 July 07 August 08 September 09 October 10 November 11 December 12 Not Classifiable 99</p> <p>01-31 Not Classifiable 99</p> <p>Enter four digit year. Not Classifiable 9999</p>	<p>Code as reported.</p> <p>If a span is reported for day, code the earlier entry; e.g., January 10-11, 1994, code 01 10 1994. If elapsed span is 8 days or longer, code 99.</p> <p>If no day is reported but an approximate part of month is reported as follows, code:</p> <p>"Beginning of month" 07 "Middle of month" 15 "End of month" 24</p> <p>Sometimes the estimated date of confinement (EDC) or the expected date of delivery (EDD) are reported as date of last normal menses. When a date is reported with either of these terms or abbreviations, code the date of last normal menses as "Not Classifiable."</p> <p>If estimate of gestation is reported in the last normal menses item on the record, code 9999 in data positions 61-64 and 9999 in positions 236-239 (Date of Last Normal Menses) and code entry as reported in data positions 76-77 (Clinical Estimate of Gestation).</p>
<p>Filler</p>	<p>65</p>	<p>Blank</p>	

Item	Output Position(s)	Code Structure	Coding Instructions																				
MONTH OF PREGNANCY PRENATAL CARE BEGAN	66	1st month 1 2nd month 2 3rd month 3 4th month 4 5th month 5 6th month 6 7th month 7 8th month 8 9th month or later 9 None 0 Month named ... Blank Not Classifiable -	If any fraction of a month is reported, round to next whole month. If entry is "-", code "0". If entry is reported in weeks, convert to appropriate month using the table below: <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Weeks</u></th> <th style="text-align: right;"><u>Months</u></th> </tr> </thead> <tbody> <tr><td>1-4</td><td style="text-align: right;">1</td></tr> <tr><td>5-9</td><td style="text-align: right;">2</td></tr> <tr><td>10-13</td><td style="text-align: right;">3</td></tr> <tr><td>14-17</td><td style="text-align: right;">4</td></tr> <tr><td>18-22</td><td style="text-align: right;">5</td></tr> <tr><td>23-26</td><td style="text-align: right;">6</td></tr> <tr><td>27-30</td><td style="text-align: right;">7</td></tr> <tr><td>31-35</td><td style="text-align: right;">8</td></tr> <tr><td>36+</td><td style="text-align: right;">9</td></tr> </tbody> </table>	<u>Weeks</u>	<u>Months</u>	1-4	1	5-9	2	10-13	3	14-17	4	18-22	5	23-26	6	27-30	7	31-35	8	36+	9
<u>Weeks</u>	<u>Months</u>																						
1-4	1																						
5-9	2																						
10-13	3																						
14-17	4																						
18-22	5																						
23-26	6																						
27-30	7																						
31-35	8																						
36+	9																						
Named Month	67-68	January 01 February 02 March 03 April 04 May 05 June 06 July 07 August 08 September 09 October 10 November 11 December 12	If <u>both</u> a named month and the numeric month (1-9) that prenatal care began is reported, code the numeric month and blank the named month field. If the numeric Month of Pregnancy Prenatal Care Began is not reported but a named month is reported, code the named month and blank the Month of Pregnancy Prenatal Care Began field. If numeric Month of Pregnancy Prenatal Care Began is reported, the field for "Named Month" is to be blank. If entry is reported in trimesters, code "-" in data position for Month of Pregnancy Prenatal Care Began.																				

Item	Output Position(s)	Code Structure	Coding Instructions
PRENATAL VISITS (TOTAL NUMBER)	69-70	00-48 00-48 49 and over 49 Not Classifiable 99	If entry is reported as a span: e.g., 10-13, enter the lower number of visits. If entry is "-", code 00. If entry is "None" code 00.
BIRTH WEIGHT Units Weight Grams Or Pounds Ounces	71 72-75 72-73 74-75	Grams 1 Pounds and ounces 2 Not Classifiable 9 Enter as stated Not Classifiable 9999 Enter as stated Less than one pound 00 Not Classifiable 99 Enter as stated. No ounces 00 Not Classifiable 99 Convert Kilos to grams (1 kilo = 1000 grams)	If weight is reported in grams and pounds and ounces, code grams. Fractions or decimal parts of grams of ½ (.50) or more are to be rounded to the next whole gram. Fractions of pounds are to be converted to ounces: e.g., 7 ½ pounds is to be coded as 7 pounds 8 ounces. Round fractional ounces to nearest ounce. Entries of ½ or more are to have weight of a full ounce. If fraction is not legible, it is to have weight of a full ounce. If no entry or an entry of dash is reported for pounds or ounces, code 00 for the portion of the birthweight that is blank or has entry of dash. If the entire birthweight item is blank or not classifiable, code 99999.

Item	Output Position(s)	Code Structure	Coding Instructions																		
CLINICAL ESTIMATE OF GESTATION WEEKS	76-77	Enter as stated. Not Classifiable 99	Entries of fractional weeks are to be ignored. If entry is reported in trimesters, code 99. If entry is reported as a date, code 99. If entry is reported as a span, e.g., 27-34, enter the lower number of weeks. If reported in months convert to appropriate weeks using the table below: <table> <thead> <tr> <th><u>Month(s)</u></th> <th><u>Weeks</u></th> </tr> </thead> <tbody> <tr> <td>3 months or less</td> <td>99</td> </tr> <tr> <td>4</td> <td>17</td> </tr> <tr> <td>5</td> <td>22</td> </tr> <tr> <td>6</td> <td>26</td> </tr> <tr> <td>7</td> <td>30</td> </tr> <tr> <td>8</td> <td>35</td> </tr> <tr> <td>9</td> <td>40</td> </tr> <tr> <td>10</td> <td>44</td> </tr> </tbody> </table> <u>Other Entries:</u> Complete 40 Due 40 Full Term 40 Normal 40 Premature 99	<u>Month(s)</u>	<u>Weeks</u>	3 months or less	99	4	17	5	22	6	26	7	30	8	35	9	40	10	44
<u>Month(s)</u>	<u>Weeks</u>																				
3 months or less	99																				
4	17																				
5	22																				
6	26																				
7	30																				
8	35																				
9	40																				
10	44																				
PLURALITY	78	Single 1 Twin 2 Triplet 3 Quadruplet 4 Quintuplet or higher 5 Not Classifiable 9	Code 2 for entry of Siamese twins.																		

Item	Output Position(s)	Code Structure	Coding Instructions
APGAR SCORE			
1 minute	79-80	Item deleted effective 1995.	Item deleted effective 1995.
5 minutes	81-82	<p style="text-align: center;">99</p> <p>0 00</p> <p>1 01</p> <p>2 02</p> <p>3 03</p> <p>4 04</p> <p>5 05</p> <p>6 06</p> <p>7 07</p> <p>8 08</p> <p>9 09</p> <p>10 10</p> <p>Not Classifiable 99</p>	<p>Code 99 for this item.</p> <p>Enter as reported.</p> <p>If entry is greater than 10, code 99.</p> <p>If entry is a range, e.g., 6-8, code 99.</p> <p>Code 99 for entry of "none".</p> <p>If a fraction is given with an entry (e.g., 7.5), disregard the fractional part of the entry.</p>

Item	Output Position(s)	Code Structure	Coding Instructions
MEDICAL RISK FACTORS FOR THIS PREGNANCY	83-100		
None/Not Classifiable	83	One or more factors reported 0 None 1 Not Classifiable 9	If the item is "blank," code 9 ("not classifiable") in position 83. Insert 0's in positions 84-100. If the item is reported as "none," code 1 in position 83. Insert 0's in positions 84-100.
Anemia (Hct.<30/Hgb <10)	84	Not Reported 0 Reported 1	Otherwise, code all reported risk factors with a 1 in the corresponding position. Insert 0's in position 83 and all other unused positions.
Cardiac Disease	85		
Acute or chronic	86		
lung disease			
Diabetes	87		
Genital herpes	88		
Hydramnios/	89		
Oligohydramnios			
Hemoglobinopathy	90		Note: If the only reported entry is "other," code 1 in position 100. Insert 0's in positions 83-99.
Hypertension, chronic	91		
Hypertension,	92		
pregnancy assoc.			
Eclampsia	93		
Incompetent cervix	94		
Previous infant	95		
4000+ grams			
Previous preterm	96		
or small for			
gestational age			
infant			
Renal disease	97		
Rh sensitization	98		
Uterine bleeding	99		
Other	100		
Filler	101-116	Blank	

Item	Output Position(s)	Code Structure	Coding Instructions
OTHER RISK FACTORS FOR THIS PREGNANCY			
Tobacco Use	117	Yes 1 No 2 Not Classifiable 9	If "No" is reported for Tobacco Use, code 00 for Average Number of Cigarettes Per Day.
Average Number Of Cigarettes Per Day	118-119	Enter as stated 00-97 98 and greater 98 "Less than 1" 01 Not Classifiable 99	If reported as number of packs, multiply by 20 and code as computed. If entry is reported as a span; e.g. 10-15, enter the lower number of cigarettes.
Alcohol Use	120	Yes 1 No 2 Not Classifiable 9	If "No" is reported for Alcohol Use, code 00 for Average Number of Drinks Per Week.
Average Number Of Drinks Per Week	121-122	Enter as stated 00-97 98 and greater 98 "Less than 1" 01 Not Classifiable 99	If entry is reported as a span; e.g. 10-15, enter the lower number of drinks.
Weight Gained During Pregnancy	123-124	Enter as stated 00-97 98 and greater 98 Not Classifiable 99	If weight loss reported code "00." Fractions of ½ or more are to be rounded to next whole pound.

Item	Output Position(s)	Code Structure	Coding Instructions
OBSTETRIC PROCEDURES	125-132		
None/Not Classifiable	125	One or more factors reported 0 None 1 Not Classifiable 9	If the item is "blank," code 9 ("not classifiable") in position 125. Insert 0's in positions 126-132.
			If the item is reported as "none," code 1 in position 125. Insert 0's in positions 126-132.
Amniocentesis	126	Not Reported 0 Reported 1	Otherwise, code all reported risk factors with a 1 in the corresponding position. Insert 0's in position 125 and all other unused positions.
Electronic fetal monitoring	127		
Induction of labor	128		
Stimulation of labor	129		Note: If the only reported entry is "other," code 1 in position 132. Insert 0's in positions 125-131.
Tocolysis	130		
Ultrasound	131		
Other	132		
Filler	133-138	Blank	

Item	Output Position(s)	Code Structure	Coding Instructions
COMPLICATIONS OF LABOR AND/OR DELIVERY	139-155		
None/Not Classifiable	139	One or more factors reported 0 None 1 Not Classifiable 9	If the item is "blank," code 9 ("not classifiable") in position 139. Insert 0's in positions 140-155. If the item is reported as "none," code 1 in position 139. Insert 0's in positions 140-155.
Febrile (> 100° F or 38° C	140	Not Reported 0 Reported 1	Otherwise, code all reported risk factors with a 1 in the corresponding position. Insert 0's in position 139 and all other unused positions. Note: If the only reported entry is "other," code 1 in position 155. Insert 0's in positions 139-154.
Meconium, moderate/heavy	141		
Premature rupture of membrane (> 12 hrs.)	142		
Abruptio placenta	143		
Placenta previa	144		
Other excessive bleeding	145		
Seizures during labor	146		
Precipitous labor (< 3 hrs.)	147		
Prolonged labor (> 20 hrs.)	148		
Dysfunctional labor	149		
Breech/	150		
Malpresentation	151		
Cephalopelvic disproportion	152		
Cord prolapse	153		
Anesthetic complications	154		
Fetal distress	154		
Other	155		
Filler	156-170	Blank	

Item	Output Position(s)	Code Structure	Coding Instructions
METHOD OF DELIVERY	171-177		
Not Classifiable	171	One or more factors reported 0 Not Classifiable 9	If the item is "blank," code 9 ("not classifiable") in position 171. Insert 0's in positions 172-177.
Vaginal	172	Not Reported 0 Reported 1	Otherwise, code all reported methods with a 1 in the corresponding position. Insert 0's in position 171 and all other unused positions.
Vaginal birth after previous C-section	173		
Primary C-section	174		
Repeat C-section	175		
Forceps	176		
Vacuum	177		
Filler	178-182	Blank	

Item	Output Position(s)	Code Structure	Coding Instructions
ABNORMAL CONDITIONS OF THE NEWBORN	183-192		
None/Not Classifiable	183	One or more factors reported 0 None 1 Not Classifiable 9	If the item is "blank," code 9 ("not classifiable") in position 183. Insert 0's in positions 184-192. If the item is reported as "none," code 1 in position 183. Insert 0's in positions 184-192.
Anemia (Hct. < 39/ Hgb.< 13)	184	Not Reported 0 Reported 1	Otherwise, code all reported risk factors with a 1 in the corresponding position. Insert 0's in position 183 and all other unused positions.
Birth injury	185		
Fetal alcohol syndrome	186		
Hyaline membrane disease/RDS	187		Note: If the only reported entry is "other," code 1 in position 192. Insert 0's in positions 183-191.
Meconium aspiration syndrome	188		
Assisted ventilation < 30 min	189		
Assisted ventilation ≥ 30 min	190		
Seizures	191		
Other	192		
Filler	193-200	Blank	

Item	Output Position(s)	Code Structure	Coding Instructions
<p>CONGENITAL ANOMALIES</p> <p>None/Not Classifiable</p> <p>Anencephalus</p> <p>Spina bifida/ Meningocele</p> <p>Hydrocephalus</p> <p>Microcephalus</p> <p>Other central nervous system anomalies</p> <p>Heart malformations</p> <p>Other circulatory/ respiratory anomalies</p> <p>Rectal atresia/ stenosis</p> <p>Tracheo-esophageal fistula/Esophageal atresia</p> <p>Omphalocele/ Gastroschisis</p> <p>Other gastrointestinal anomalies</p> <p>Malformed genitalia</p> <p>Renal agenesis</p> <p>Other urogenital anomalies</p> <p>Cleft lip/palate</p> <p>Polydactyly/ Syndactyly/ Adactyly</p> <p>Club foot</p> <p>Diaphragmatic hernia</p> <p>Other musculoskeletal/ integumental anomalies</p> <p>Down's syndrome</p> <p>Other chromosomal anomalies</p> <p>Other</p>	<p>201-223</p> <p>201</p> <p>202</p> <p>203</p> <p>204</p> <p>205</p> <p>206</p> <p>207</p> <p>208</p> <p>209</p> <p>210</p> <p>211</p> <p>212</p> <p>213</p> <p>214</p> <p>215</p> <p>216</p> <p>217</p> <p>218</p> <p>219</p> <p>220</p> <p>221</p> <p>222</p> <p>223</p>	<p>One or more factors reported 0</p> <p>None 1</p> <p>Not Classifiable 9</p> <p>Not reported 0</p> <p>Reported 1</p>	<p>If the item is "blank," code 9 ("not classifiable") in position 201. Insert 0's in positions 202-223.</p> <p>If the item is reported as "none," code 1 in position 201. Insert 0's in positions 202-223.</p> <p>Otherwise, code all reported risk factors with a 1 in the corresponding position. Insert 0's in position 201 and all other unused positions.</p> <p>Note: If the only reported entry is "other," code 1 in position 223. Insert 0's in positions 201-222.</p>
<p>Filler</p>	<p>240</p>	<p>Blank</p>	

Item	Output Position(s)	Code Structure	Coding Instructions
RECEIPT DATE			
Month	241	January 1 February 2 March 3 April 4 May 5 June 6 July 7 August 8 September 9 October 0 November - December &	Computer generated for NCHS use only. States submitting data in the NCHS format should blank NCHS positions 241-244.
Day	242-243	01-31	
Year	244	Last digit	
AGE			
Mother	245-246	Enter as stated.	Disregard symbols such as "+," "-," "?".
Father	247-248	Unknown or not stated 99	Enter age only if date of birth is not reported or date is incomplete. When date of birth of mother is reported, data positions 245-246 will be coded 99. When date of birth of father is reported, data positions 247-248 will be coded 99. If neither date of birth nor age is reported, data positions 23-28, 36-41 and 245-248 are to be coded as "not classifiable."
Filler	249-255	Blank	

Geographic Codes for State of Birth and Residence

<u>Code</u>	<u>State</u>	<u>Abbrev.</u>	<u>Code</u>	<u>State</u>	<u>Abbrev.</u>
01	Alabama	AL	28	Nebraska	NE
02	Alaska	AK	29	Nevada	NV
03	Arizona	AZ	30	New Hampshire	NH
04	Arkansas	AR	31	New Jersey	NJ
05	California	CA	32	New Mexico	NM
06	Colorado	CO	33	New York	NY
07	Connecticut	CT	34	North Carolina	NC
08	Delaware	DE	35	North Dakota	ND
09	District of Columbia	DC	36	Ohio	OH
10	Florida	FL	37	Oklahoma	OK
11	Georgia	GA	38	Oregon	OR
12	Hawaii	HI	39	Pennsylvania	PA
13	Idaho	ID	40	Rhode Island	RI
14	Illinois	IL	41	South Carolina	SC
15	Indiana	IN	42	South Dakota	SD
16	Iowa	IA	43	Tennessee	TN
17	Kansas	KS	44	Texas	TX
18	Kentucky	KY	45	Utah	UT
19	Louisiana	LA	46	Vermont	VT
20	Maine	ME	47	Virginia	VA
21	Maryland	MD	48	Washington	WA
22	Massachusetts	MA	49	West Virginia	WV
23	Michigan	MI	50	Wisconsin	WI
24	Minnesota	MN	51	Wyoming	WY
25	Mississippi	MS	52	Puerto Rico	PR
26	Missouri	MO	53	Virgin Islands	VI
27	Montana	MT	54	Guam	GU

Geographic Codes for State of Birth and Residence

55	Canada
55	Canadian Provinces
	Alberta (Alta.)
	British Columbia (B.C.)
	Great Northwest Territories (GNWT or NWT)
	Manitoba (Man.)
	New Brunswick (N.B.)
	Newfoundland (Nfld.)
	Nova Scotia (N.S.)
	Ontario (Ont.)
	Prince Edward Island (PEI)
	Quebec, Province of Quebec (Que. or P.Q.)
	Saskatchewan (Sask.)
	Yukon Territory (Y.T.)
56	Cuba
57	Mexico
59	Remainder of World

Note: Remember to distinguish between the Country of Georgia (in former Soviet Union) which is coded to Remainder of World (59) and the State of Georgia which is coded to 11.

Appendix B

Major Cities in the United States and the State in Which They Are Located

(Use if state is reportable but not reported)

Atlanta, Georgia
Baltimore, Maryland
Boston, Massachusetts
Buffalo, New York
Chicago, Illinois
Cincinnati, Ohio
Cleveland, Ohio
Dallas, Texas
Denver, Colorado
Detroit, Michigan
Houston, Texas
Indianapolis, Indiana
Los Angeles, California
Memphis, Tennessee
Milwaukee, Wisconsin
Minneapolis, Minnesota
New Orleans, Louisiana
New York, New York
Philadelphia, Pennsylvania
Pittsburgh, Pennsylvania
San Antonio, Texas
San Diego, California
San Francisco, California
Seattle, Washington
St. Louis, Missouri
Washington, District of Columbia

Interpretations of Atlas Notations

1. If the notation "part of _____" or "population included in _____" appears, consider the entry to be an inclusion of the city named and code accordingly.
2. If the notation "rural" and "mail to _____" or "no pop." appears, code to the balance of the county.
3. If only the notation "mail to _____" or "population included with _____" appears, code to the balance of the named county. ("Population included with" refers to an unincorporated place.)
4. If the notation "Station," "Branch of _____" or "Rural Station" appears, code to the balance of county.
5. If the notation "Station of _____ P. O." appears, consider the entry to be an inclusion of the city named and code accordingly.

Appendix D

Largest City And Code By State Of Residence

<u>State of Residence</u>	<u>NCHS Code</u>	<u>Largest City</u>
01 Alabama	008	Birmingham
02 Alaska	001	Anchorage
03 Arizona	017	Phoenix
04 Arkansas	014	Little Rock
05 California	143	Los Angeles
06 Colorado	009	Denver
07 Connecticut	004	Bridgeport
08 Delaware	003	Wilmington
09 District of Columbia	001	Washington
10 Florida	041	Jacksonville
11 Georgia	005	Atlanta
12 Hawaii	003	Honolulu
13 Idaho	001	Boise City
14 Illinois	034	Chicago
15 Indiana	027	Indianapolis
16 Iowa	012	Des Moines
17 Kansas	033	Wichita
18 Kentucky	017	Louisville
19 Louisiana	022	New Orleans
20 Maine	006	Portland
21 Maryland	003	Baltimore
22 Massachusetts	012	Boston
23 Michigan	025	Detroit
24 Minnesota	041	Minneapolis
25 Mississippi	017	Jackson
26 Missouri	028	Kansas City
27 Montana	002	Billings

Appendix D

Largest City And Code By State Of Residence

<u>State of Residence</u>	<u>NCHS Code</u>	<u>Largest City</u>
28 Nebraska	011	Omaha
29 Nevada	005	Las Vegas
30 New Hampshire	008	Manchester
31 New Jersey	104	Newark
32 New Mexico	002	Albuquerque
33 New York	053	New York
34 North Carolina	009	Charlotte
35 North Dakota	003	Fargo
36 Ohio	034	Columbus
37 Oklahoma	025	Oklahoma City
38 Oregon	027	Portland
39 Pennsylvania	092	Philadelphia
40 Rhode Island	014	Providence
41 South Carolina	007	Columbia
42 South Dakota	007	Sioux Falls
43 Tennessee	030	Memphis
44 Texas	075	Houston
45 Utah	020	Salt Lake City
46 Vermont	001	Burlington
47 Virginia	022	Norfolk
48 Washington	034	Seattle
49 West Virginia	003	Charleston
50 Wisconsin	035	Milwaukee
51 Wyoming	002	Cheyenne
52 Puerto Rico	765	San Juan
53 Virgin Islands	001	Charlotte Amalie

Appendix E

Other Entries Reported on Records and Code for Race

The expanded Asian and Pacific Islander categories of A, B, C, D, and E are required only for the following funded registration areas: California, Hawaii, Illinois, New Jersey, New York State, New York City, Texas and Washington. The remaining registration areas may choose to use the expanded categories or continue coding Asian Indian, Korean, Samoan, Vietnamese and Guamanian to 8.

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Afghanistan	1	Bilalian	2
African	2	Biracial	0 or F
Aleut	3	Blanc	1
Algerian	1	Bohemian	0
Alocona	0	Bolivian	1
Ameriasian	8	Brava (Bravo)	1
American	1	Brazilian	1
Amish	1	British Honduran	0
Anglo-Saxon	1	Burmese	8
Arabian	1		
Argentinian	1	C	0
Armenian	1	Cajun	1
Aryan	1	Cambodian	8
Asian Indian	8 or A	Canadian	1
Asiatic	8	Cape Verde	2
Assyrian	1	Carib	0
Athapaskan	3	Caucasian	1
Australian	1	Ceylonese	8
Austrian	1	Chamorro	8 or E
Azores	1	Chamosso	0
		Chicano	1
Bahamian	0		
Bangladeshi	8		
Basque	1		
Bavarian	1		
Begri	0		
Belizian	0		

Appendix E

Other Entries Reported on Records and Code for Race

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Chinese	4	Finnish	1
Chuukese	8	French	1
Colestran	0	French Canadian	1
Colombian	1	French Indian	3
Cosmopolitan	0		
Costa Rican	1	Georgian	1
Creole	1	German	1
Crucian	1	Ghanaian	2
Cuban	1	Gilbertese	8
Czechoslovakian	1	Greek	1
		Guam(ian)(ese)	8 or E
Dominican	2	Guatemalan	0
Dutch East Indian	8	Guyanese	0
		Gypsy	1
East Indian	8 or A		
East Indies	8	Haitian	2
Ebian	1	Hamitic	2
Ecuadorian	1	Hawaiian	6
Egyptian	1	Hebrew	1
English	1	Hindu	8 or A
English-French	1	Hispanic	1
English-Irish	1	Honduran	0
Eritrean	2	Hungarian	1
Eskimoan	3		
Ethiopia(n)	2		
Eurasian	8		
European	1		
Fijian	8		
Filipino	7		

Appendix E

Other Entries Reported on Records and Code for Race

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Icelandic	1	Lithuanian	1
India	8 or A		
Indian (North, Central and South American)	3	Mal.	0
Indo-Aryan	8 or A	Malada	0
Indonesian	8	Malawian	2
Iran(ian)	1	Malayan	8
Iraqi	1	Maltese	1
Irish	1	Maori	8
Islamic	1	Marshallese	8
Israelite	1	Marshenese	1
Italian	1	Mauritian	1
		Mediterranean	1
Jackson (Jack) White	0	Melanesian	8
Jamaican	2	Mestizo	0
Japanese	5	Mestizo-Inca	0
Java	8	Mexican	1
Jew	1	Mexican Indian	3
Jordanian	1	Micronesian	8
		Mixed	0 or F
		Mohammedan (Moslem)	1
		Moor	0
Kenyan	2	Moroccan	1
Korean	8 or B	Mosotho	0
Kuwaitian	1	Mugandan	2
		Mulatto	2
Ladina (Ladino)	1		
Laotian (Asian)	8		
Latin American	1		
Latvian	1		
Lebanese	1		
Liberian	2		
Libyan	1		

Appendix E

Other Entries Reported on Records and Code for Race

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Multi-racial	0 or F	Puerto Rican	1
Muslim	1	Punjabi	8 or A
		Quadroon	2
N/W	0	Red	3
Nassau	2	Romanian	1
Native American	3	Rotanese	8
Nepalese	8	Russian	1
Nicaraguan	0	Ryukyuan	5
Nigerian	2		
Nipponese (Nipon)	5	Saipanese	8
Nordic	1	Salvadorian	0
Norwegian	1	Samoa(n)	8 or C
Nubian	2	Santo-Domingo	2
		Saudi Arabia(n)	1
Occidental	1	Saxon(y)	1
Octaroon	2	Scandinavian	1
Okinawan	5	Scotch	1
		Selawik	3
Pakistani	8	Semitic	1
Palauan	8	Serbian	1
Panamanian	0	Servian	1
Parsi	1	Seychelloise	2
Persian	1		
Peruvian	1		
Phoenician	0		
Polish	1		
Polynesian	8		
Ponapean	8		
Portuguese	1		

Appendix E

Other Entries Reported on Records and Code for Race

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Siamese	8	Ubontilian	8
Siamsh Am	0	Ugandan	2
Sicilian	1	Ukranian	1
Sikh	8 or A	Ulithian	0
Singhalese	8	Ute	3
Sino Burman	4		
Slovakian	1	Venezuela(n)	1
Soanish	0	Vietnam(ese)	8 or D
South American	1		
Spanish	1	W	1
Sudanese	2	Welsh	1
Sunni	1	West Indies (Indian)	2
Swedish	1	Wiam (White American)	1
Syrian	1		
Tahitian	8	Yapanes	8
Taimskin	3	Yemenite	1
Taiwanese	4	Yugoslavian	1
Tamil-Ceylonese	8		
Tamil-Malayan	8	Zoroastrian	1
Tanzanian	2		
Teutonic	1		
Thai	8		
Tibetan	8		
Tongan	8		
Trigueno	0		
Trinidadian	2		
Trukese	8		
Tunisian	1		
Turk	1		

Appendix F

Indian Tribes in the United States, Canada, and Mexico

Abnaki	Chasta Costa	Cocopah
Absentee-Shawnee	Chehalis	Columbia
Acoma	Chemehuevi	Colville
Ak Chin	Cherokee	Comox
Alabama-Coushatt Tribes of Texa	Chetco	Comanche
Alsea	Cheyenne	Concow
Apache	Cheyenne River Sioux	Conquille
Arapaho	Chickahominy	Coushatta
Arikara	Chickasaw	Covelo
Assiniboin	Chinook	Cow Creek
Atacapa	Chipewyan	Cowichan
Athapaskan	Chippewa	Cowlitz
Atsina	Chippewa-Ojibwa	Coyotero Apache
Aztec	Chiricahua Apache	Cree
Bear River	Chitimacha Choctaw	Creek
Beaver	Chol	Crow
Bella Coola	Chontal	Crow Creek Sioux
Beothuk	Chorti	Dakota
Blackfoot	Chuckchansi	Delaware
Boold Piegan	Chumash	Diegueno
Blue Lake	Clallam	Digger
Brotherton	Clatsop	Dog Rib
Caddo	Clackamus	Duckwater
Cakchiquel-lenca	Clear Lake	Euchi
Calapooya	Coast Salish	Eyak
Carrier	Cochimi	Flathead
Catawba	Cochiti	Fort Hall Res. Tribe of Idaho
Cattaraugus	Cocopa	French Indian
Cayuga	Coeur D'Alene Tribe of Idaho	Gabrieleno
Cayuse		

Appendix F

Indian Tribes in the United States, Canada, and Mexico

Galice Creek	Karok	Mashpee
Gay Head	Kaska	Mattaponi
Gosiute	Kaw	Maya
Gros Ventre	Kawai	Mayo
Haida	Keresan Pueblos	Mdewakanton Sioux
Han	Kern River	Menominee
Hare	Kichai	Menomini
Hat Creek	Kickapoo	Mequendodon
Hawasupai	Kiowa	Mescalero Apache
Hidatsa	Kiowa Apache	Miami
Hoh	Kitamat	Micmac
Hoopa	Klamath	Mission Indians
Hopi	Klikitat	Missouri
Houma	Koasati	Miwok
Hualapai	Kootenai Tribe of Idaho	Mixe
Huastec	Kusa	Mixtec
Humboldt Bay	Kutchin	Modoc
Hupa	Kutenai	Mohave
Huron	Kwakiutl	Mohawk
Illinois	Lac Courte Dreille	Mohegan
Ingalik	Laguna	Molala
Iowa	Lakmuit	Monachi
Iroquois	Lipan Apache	Mono
Isleta	Lower Brule Sioux	Montagnais
Jemez	Luiseno	Montauk
Joshua	Lummi	Muckleshoot
Juaneno	Maidu	Munsee
Jicarilla Apache	Makah	Nambe
Kaibah	Malecite	Namsemond
Kalispel	Mandan	
Kanosh Band of Paiutes	Maricopa	
Kansa	Mary's River	
Karankawa		

Appendix F

Indian Tribes in the United States, Canada, and Mexico

Nanticoke	Patwin	San Ildefonso
Narragansett	Pawnee	San Juan
Naskapi	Pen d'Oreille	San Lorenzo
Natchez	Penobscot	San Luis Obispo
Navaho	Peoria	San Luiseno
Navajo	Pequot	Sanpoil
Nez Perce	Picuris	Sanpoil Nespelem
Niantic	Pima	Sant'ana
Nipmuck	Pit River	Santa Barbara
Nisenan-Patwin	Pojoaque	Santa Clara
Nisqually	Pomo	Santa Ynez
Nomelaki	Ponca	Santee
Nooksak	Poosepatuck	Santee Sioux
Nootka	Potawatomi	Santiam
Northern Paiute	Potomac	Sauk and Fox
Oglala Sioux	Powhatan	Scaticook
Okanogan	Pueblos	Sekane
Omaha	Puyallup	Seminole
Oneida	Quapaw	Seneca
Onondaga	Quechan	Seri
Opata	Quileute	Shasta
Opato	Quinaielt	Shawnee
Osage	Quinault	Shinnecock
Oto	Rappahannock	Shivwits Band of Paiutes
Otoe	Rogue River	Shoshone
Otomi	Rosebud Sioux	Shoshone-Bannock
Ottawa	Sac and Fox	Shuswap
Ozette	Saginaw	Siouans
Paiute	Salish	Sioux
Pamunkey	Sandia	Sisseton
Panamint	San Felipe	
Papago		
Passamaquoddy		

Appendix F

Indian Tribes in the United States, Canada, and Mexico

Sisseton-Wahpeton Sioux	Tonawanda	Wind River Shoshone
Siuslaw	Tonkawa	Winnebago
Skagit Suiattle	Tonto Apache	Wintu
Skokomish	Topinish	Wintun
Slave	Totonac	Wishram
Smith River	Tsimshian	Wyandotte
Snake	Tulalip	Xicaque
Snohomish	Tule River Indians	Yahooskin
Snoqualmi	Tunica	Yakima
Songish Southern Paiute	Tuscarora	Yamel
Squaxin	Tututni	Yana
Stockbridge	Umatilla	Yankton
Sumo-Mosquito	Umpqua	Yanktonnais Sioux
Suquamish	Upper Chinook	Yaqui
Swinomish	Ute	Yaquina
Taimskin	Waca	Yavapai
Tanana	Waicuri-Pericue	Yawilmani
Tanoan Pueblos	Wailaki	Yellow Knife
Taos	Walapai	Yerington Paiute
Tarahumare	Walla Walla	Yokuts
Tarascan	Wampanoag	Yokuts-Mono
Tawakoni	Wapato	Yomba Shoshone
Tejon	Warm Springs	Yuchi
Tenino or Warm Springs	Wasco	Yuki
Tesuque	Washo	Yuma
Teton	Washoe	Yurok
Teton Sioux	Western Apache	Zacatec
Tillamook	Western Shoshone	Zapotec
Timucua	Whilkut	Zia
Thlinget	Wichita	Zoque
Tolowa	Wikchamni	Zuni

Appendix G

Other Entries Reported on Records and Codes for Education of Mother and Father

<u>College Entries</u>	<u>Code</u>
4 + 2	17
Post graduate	17
16 mos.	13
(convert months by dividing by 9) (1 yr. 7 mos.)	
3/4	13
2.5	14
1+1 N.T.	13
1500 hrs.	99
10	17
P. G. - 4	99
In 2nd year	13
B	16
BA with 1 yr. law	17
Senior	15
Soph.	13
College	16
University	16
1 year Prep.	99
Yes	16
4 semesters	14
Assoc. degree	14
Graduate	16
6 months	12
2/3	12
Less than 3/4 or less than 9 mos.	12
Technical or Trade School	99
Junior College	14
Juris Doctor	17
Masters	17

<u>Elementary or Secondary Entries</u>	<u>Code</u>
Kindergarten	00
Finished in service	12
G.E.D - Army	12
3 - graduate	11
Senior	11
Soph.	09
High School	12
Yes	12
GED	12
Graduate	12
Elementary	06
Secondary	12

Appendix H

Other Entries Reported on Records and Code for Hispanic Origin

<u>ENTRY</u>	<u>CODE</u>	<u>ENTRY</u>	<u>CODE</u>
Argentina (Argentino)	4	Hispano	5
Balearic Islands	5	Honduras (Hondureno)	4
Basque	5		
Belizian	4	Iberia (Ibero)	5
Bolivian (Boliviano)	4		
Boricua (Borinqueno)	2	La Raza	4
Brazilian	0	Latin American	5
		Latino	5
Californio	5		
Canary Islands	5	Majorca	5
Castilian	5	Mallorca (Mallorquin)	5
Catalonia	5	Mexican (Mexicano)	1
Centroamericano	4	Mexican American	1
Chicano	1		
Chile (Chileno)	4	Nicaragua (Nicaraguense)	4
Colombia (Colombiano)	4		
Costa Rica (Costarricense)	4	Panama (Panameno)	4
Cuban (Cubano)	3	Paraguay (Paraguayo)	4
		Peru (Peruano)	4
Dominican Republic (Dominicano)	4	Puerto Rican (Puertorriqueno)	2
Ecuador (Ecuatoriano)	4	Salvadoreno	4
El Salvador	4	Spain	5
Espana	5	Spaniard	5
Espanol	5		
		Uruguay (Uruguayo)	4
Falkland Island	4		
Fernando Po	5	Valencian	5
		Venezuela (Venezolano)	4
Galapagos Islands	4		
Guatemala (Guatemalteco)	4		

Appendix I

Sampling Rate

<u>Expected Volume of Records</u>	<u>Sampling Rate</u>	<u>Percent Sample</u>	<u>Number of Sample Records</u>	
			<u>Minimum</u>	<u>Maximum</u>
Less than 1,200	1 in 1	100.00	-	1,199
1,200- 2,999	1 in 2	50.00	600	1,500
3,000- 5,999	1 in 5	20.00	600	1,200
6,000- 11,999	1 in 10	10.00	600	1,200
12,000- 14,999	1 in 20	5.00	600	750
15,000- 29,999	1 in 25	4.00	600	1,200
30,000- 59,999	1 in 50	2.00	600	1,200
60,000- 74,999	1 in 100	1.00	600	750
75,000-119,999	1 in 125	0.80	600	960
120,000-149,999	1 in 200	0.50	600	750
150,000-299,999	1 in 250	0.40	600	1,200
300,000 +	1 in 500	0.20	600	-

VITAL STATISTICS INSTRUCTION MANUALS

- Part 1 Source Records and Control Specifications (1995)
- Part 2a Instructions for Classifying the Underlying Cause of Death (1999)
- Part 2b Instructions for Classifying Multiple Causes of Death (1999)
- Part 2c ICD-10 ACME Decision Tables for Classifying Underlying Causes of Death (1999)
- Part 2d NCHS Procedures for Mortality Medical Data System File Preparation and Maintenance (1999)
- Part 2e Non-Indexed Terms, Standard Abbreviations, and State Geographic Codes Used in Mortality Data Classification (1995)
- Part 2f ICD-10 TRANSAX Disease Reference Tables for Classifying Multiple Causes-of-Death (1999)
- Part 2g Data Entry Instructions for the Mortality Medical Indexing, Classification, and Retrieval System (MICAR) (1999)
- Part 2h Dictionary of Valid Terms for the Mortality Medical Indexing, Classification, and Retrieval System (MICAR) (1992)
- Part 2i MICAR Quick Reference Guide (1999)
- Part 3a Classification and Coding Instructions for Live Birth Records (1999)
- Part 3b Classification and Coding Instructions for Fetal Death Records (1999)
- Part 4 Demographic Classification and Coding Instructions for Death Records (1999)
- Part 5 Data Preparation of the Current Mortality Sample (1995)
- Part 6 Classification and Coding Instructions for Marriage Records (1995)
- Part 7 Classification and Coding Instructions for Divorce Records (1995)
- Part 8 Vital Records Geographic Classification (1995)
- Part 9 ICD-10 Underlying Cause of Death Lists for Tabulating Mortality Statistics (1999)
- Part 10 Classification and Coding Instructions for Induced Termination of Pregnancy Records (1993)
- Part 11 Computer Edits for Mortality Data (1999)
- Part 12 Computer Edits for Natality Data (1993)
- Part 18 Guidelines for Implementing Field and Query Programs for Registration of Births and Deaths (1993)
- Part 19 Industry and Occupation Coding for Death Certificates (1998)
- Part 19B Alphabetical Index of Industries and Occupations (1998)
- Part 20 Cause-of-Death Query Manual (1985)