

NCHS Procedures for Multiple-Race and Hispanic Origin Data: Collection, Coding, Editing, and Transmitting

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As of January 1, 2003, Federal programs were required by the U.S. Office of Management and Budget to adopt revised standards for collecting and reporting racial and ethnic status. These standards were published in the Federal Register on October 30, 1997, as “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity.” The notice is posted on the OMB web-site at:
<http://www.whitehouse.gov/omb/fedreg/ombdir15.html>

The U.S. Census Bureau was one of the first federal agencies to implement the revised standards, incorporating in the 2000 Decennial Census a format for the race question that included 15 checkbox items and 3 write-in lines, plus the instruction to “Mark one or more races to indicate what this person considers himself/herself to be.” Subsequently, the Panel to Evaluate the U.S. Standard Certificates recommended that the revised certificates should have race and Hispanic origin questions nearly identical to those in the 2000 census in order to maintain comparability of the data collected in census and vital statistics. The Panel’s report can be found at the following web-site:
http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf

The revised standard certificates, with the revised race and Hispanic origin formats, may be found by going to the following web-site, where the data collection, transmission, edit, and file layout specifications are also posted:
http://www.cdc.gov/nchs/vital_certs_rev.htm.

To facilitate coding and processing of multiple-race/Hispanic-origin data in a uniform manner for all vital statistics jurisdictions, NCHS has developed a computer system to code (with minimal manual intervention) and edit reported data. For any jurisdiction that collects and transmits multiple-race/Hispanic-origin data to NCHS, those data will be coded, edited, and the results returned to the jurisdiction for its use. The system is fairly flexible and has the ability to receive and process data from race question formats that differ from the standard. Jurisdictions with variants of the race/origin questions must contact NCHS staff to work out the necessary details for transmission of data.

The system receives multiple-race and Hispanic-origin data in a file layout that reflects the question format specified in the revised U.S. Standard Certificates, which is essentially the same format that was used in the 2000 decennial census forms (see Edit Specifications in the web-site: http://www.cdc.gov/nchs/vital_certs_rev.htm). The system embodies a 3-digit code structure and an edit process analogous to those used by the U.S. Census Bureau to code and edit the 2000 decennial census data. The NCHS code lists for race and origin are accessible in PDF at the following web-sites:
<http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf> for race and
<http://www.cdc.gov/nchs/data/dvs/HispanicCodeTitles.pdf> for Hispanic origin.

Using these codes the edit program does some sorting (eliminating redundancies and resolving inconsistencies) and produces a cohesive set of race codes (up to 8), which may be used to tally multiple-race data after some further recoding. The system also will bridge multiple-race data into the single race format of the prior OMB race standard (four races only). A description of bridged race data from the 2000 census for counties, states, and nation is accessible at the following NCHS web site:

<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>,

which includes a report describing the bridging algorithm, including its development and characteristics. Essentially this same bridging process is being applied to the vital records race data within the NCHS edit program. Appended to this document is a PowerPoint presentation describing the bridging concept in more detail.

The NCHS procedure is to receive multiple-race and Hispanic-origin source data from a jurisdiction and then return the coded and edited data back to the jurisdiction. NCHS is building a coding dictionary around the NCHS 3-digit code list by inserting various misspellings, abbreviations, etc. to automate the coding of literals as much as possible. Our goal is to eventually make the coding and editing algorithm available interactively on the web, so states can submit race and Hispanic origin data to the program and receive back the edited results on a real-time basis.

As for presenting race data in NCHS publications in the near future, most national tabulations will use bridged race in place of multiple race as long as some jurisdictions are using the old race standard. Moreover, NCHS will continue to use bridged-race population estimates for denominators to calculate rates.

Appended to this document are the record formats of coded data that will be returned to each jurisdiction; there is a listing for each certificate type. The record formats include both the old standard and new standard layouts. By default, the returning coded data will be placed in the jurisdiction's download area on the Secure Data Network. The returned file will have a new file extension: Mortality (MRE), Natality (NRE), and Fetal Deaths (FRE). The file name will follow a format similar to the NCHS standard data file name. The first eight characters will define the State, data year, a unique process control number (PCN), and the letter 'S'. As an example, the 12th mortality file received from California in 2003 would be named CA03012S.MRE.

As can be seen in the file layouts for returning data appended to this document, the multiple-race file format has been expanded to include fields for both the NCHS and FIPS geographic codes. Regarding the Hispanic origin question, the Hispanic checkbox fields (_ETHNIC1...5) will be blank for jurisdictions collecting multiple-race data using certificate formats with the old Hispanic origin format. Instead, the old standard Hispanic coded response will be shown in _ETHNICO, a corresponding 3-digit code from the new Hispanic code list will be shown in the _ETHNICE field, and the _ETHNIC5C coded literal field will be blank.

The 2-digit Bridged Multiple Race code (RACEBRG) is a recode indicating either the single race reported (codes 01 to 15) or the bridged race—specific to the old race standard—for multiple races reported (21 to 24), as follows:

Bridged Multiple Race code structure (RACEBRG):

Single race specified:

- 01 ... White
- 02 ... Black
- 03 ... American Indian or Alaskan Native
- 04 ... Asian Indian
- 05 ... Chinese
- 06 ... Filipino
- 07 ... Japanese
- 08 ... Korean
- 09 ... Vietnamese
- 10 ... Other Asian
- 11 ... Native Hawaiian
- 12 ... Guamanian or Chamorro
- 13 ... Samoan
- 14 ... Other Pacific Islander
- 15 ... Other

Bridged multiple specified race:

- 21 ... White
- 22 ... Black
- 23 ... American Indian or Alaskan Native
- 24 ... Asian or Pacific Islander

The following three slides summarize the 3-digit race code structure employed by NCHS to code and then edit multiple-race data:

NCHS/DVS Race Code List...

- 100 = White Checkbox
- 101-199 = Specific White responses
 - e.g., 107 = Italian
- 200 = Black Checkbox
- 201-299 = Specific Black responses
 - e.g., 219 = Nigerian
- 300 = American Indian & Alaska Native Checkbox
- A01-R96 = Specific Indian tribes (~900)
 - e.g. E31 = Oklahoma Kiowa,
 - N69 = Greenland Eskimo

NCHS/DVS Race Code List, cont.

400 = Asian Indian Checkbox
401-409 = Spec. origin (e.g. 402 = Bangladeshi)
410 = Chinese Checkbox
411-419 = Spec. origin (e.g. 412 = Taiwanese)
420 = Filipino Checkbox
421-429 = Spec. origin (e.g. 422 = Hmong)
430 = Japanese Checkbox
440 = Korean Checkbox
450 = Vietnamese Checkbox

NCHS/DVS Race Code List, concluded

460 = Other Asian Checkbox
461-499 = Specified origin (e.g. 472 = Nepalese)
500 = Native Hawaiian Checkbox
510 = Samoan Checkbox
520 = Guamanian Checkbox
530 = Other Pacific Islander Checkbox
531-599 = Spec. origin (e.g. 531 = Mariana
Islander)
600 = Other Race Checkbox
601-995 = Spec. origin, e.g. 616 = Mestizo, 617 =
Mexican,

The following slides display the various steps in the NCHS coding, editing, and bridging procedure for multiple race data, as applied to four examples. In the first slide of Example 1, source data are displayed from the race question for an actual case. This case had three checkboxes checked, with two literal race entries written on each of two lines. The initial coding is displayed for the various source items.

Example 1:

<u>Data from Certificate</u>	<u>Initial coding</u>
------------------------------	-----------------------

- | | |
|--|-------|
| ▪ <i>Checkboxes checked:</i> | |
| – White | Y 100 |
| – Native Hawaiian | Y 500 |
| – Other Pacific Islander | Y 530 |
| • <i>Other Pacific Islander write-in line:</i> | |
| – Part Hawaiian | 503 |
| – Fijian | 542 |
| • <i>“Other” write-in line:</i> | |
| – Irish | 106 |
| – Italian | 107 |

In the second slide for Example 1, two steps in the edit procedure applied to this case are high-lighted, and the edited multiple race data are displayed along with the NCHS 3-digit codes.

Example 1, cont.

Editing

- Checkbox codes removed when more specific write-in information present.
- Multiple white races collapsed to code 199 (Multiple white responses)
- *Edited Multiple Race Data*

– Multiple White Responses	199
– Part Hawaiian	503
– Fijian	542

In the concluding slide for Example 1, the bridging process is illustrated. First, the edited codes from the previous slide are collapsed into the four race groups specified in the 1977 OMB Standards for Race and Ethnicity; in this case we have only White and Asian or Pacific Islander (API)—a two-race combination. Using the bridging algorithm model for API/White, along with data on county of residence and other covariates for this case, we find that the probability is 60% that White would be the main race and 40% that API would be selected as main race. Next, these percentages are converted to adjacent intervals in the range from 0 to 100. The next step is to select a random number between 0 and 100. To do this, the program takes the last three digits of the certificate number and inverts them into a number with one decimal place. In this particular example, the last three digits are 433, which inverted yield 33.4. Since 33.4 lies between 0 and 60, White is chosen as the main race for this case.

Example 1, concluded:

Bridging

- *Edited Codes Collapsed to Four Race Groups*
 - White
 - Asian or Pacific Islander
- *Select Proportions (based on race combination and county of residence)*

▪ White	60%	(0-60)
▪ Asian or Pacific Islander	40%	(61-100)
- *Random Number (last three digits of certificate number inverted)*
 - Certificate Number: 0245433
 - Random Number: 33.4
- *Bridged Race*
 - White

Similar procedures are displayed in Examples 2, 3, and 4, below.

Example 2:

<u>Data from Certificate</u>		<u>Initial Coding</u>
White checkbox	Y	100
Black checkbox	Y	200
American Indian or Alaska Native box	Y	500
<u>Write-in:</u> <u>Apache</u>		A09
<u>Arikara</u>		A31
Other Asian checkbox	Y	460
<u>Write-in:</u> <u>Taiwanese</u>		412
<u>Indonesian</u>		423
Other Pacific Islander checkbox	Y	530
<u>Write-in:</u> <u>Tahitian</u>		512
<u>Chamorro</u>		522

Example 2, cont.

Editing

- Checkbox codes removed when more specific write-in information present.
- Reduce stacks of more than 8 codes per individual (specific rules as to which codes will be collapsed or dropped and in what order to get to 8 or fewer codes).

Example 2, cont.

Edited Multiple Race Data

White (Checkbox)	100
Black (Checkbox)	200
Apache	A09
Arikara	A31
Taiwanese	412
Indonesian	423
Tahitian	512
Chamorro	522

Example 2, concluded:

Bridging

Edited Codes Collapsed to Four Primary Race Groups:

White
Black
American Indian or Alaska Native
Asian or Pacific Islander

Select Proportions:

White	38%	(0-38)
Black	11%	(39-49)
American Indian or Alaska Native	21%	(50-70)
Asian or Pacific Islander	30%	(71-100)

Random Number (invert last three digits of cert. num.)

Certificate Number: 649256 => Random Number: 65.2

Bridged Race: American Indian or Alaska Native

In Example 3, no checkboxes are checked, and six literal entries are written in on the “Other race” line. (Note: This is the method NCHS uses to process multiple-race data from jurisdictions that do not use checkbox format but do accept multiple write-in entries.)

Example 3:

Data from Certificate Initial coding

No checkboxes checked;

“Other” write-in:

JPSE	(Japanese)	431
OKINAWAN	(Okinawan)	444
HAWN	(Hawaiian)	502
ITAL	(Italian)	107
GER	(German)	105
IRISH	(Irish)	106

Example 3, cont.

Editing

- Multiple white races collapsed to code 199 (Multiple white responses)

- **Edited Multiple Race Data:**

Multiple White Responses	199
Japanese	431
Okinawan	444
Hawaiian	502

Example 3, concluded:

Bridging

Edited Codes Collapsed to Four Primary Race Groups

White

Asian or Pacific Islander

Select Proportions

White	12%	(0-12)
Asian or Pacific Islander	88%	(13-100)

Random Number (invert last three digits of cert. num.)

Certificate Number: 258754 => Random Number: 45.7

Bridged Race: Asian or Pacific Islander

Example 4:

Data from Certificate Initial coding

- *Checkboxes checked:*

– White	Y	100
– Black	Y	200

- *“Other” write-in line:*

– Mexican		617
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Example 4, cont.

Editing:

- No edits needed
- Edited Multiple Race Data

White (Checkbox)	100
Black (Checkbox)	200
Mexican	617

Example 4, concluded:

Bridging

Edited Race Codes collapsed to four primary race groups (codes in the range 600-699 dropped):

White
Black

Select proportions

White	75%	(0-75)
Black	25%	(76-100)

Random number (invert last three digits of cert.num.)

Certificate number: 024568 => Random number: 86.5

Bridged race: Black

2003 Mortality Multiple Race Record Format

File name extension: MRE

Content	Field	Location	Length	Record Format	
	Name			Old Standard	New Standard
Year of Death	DOD_YR	1	4	135	1
State of Death (FIPS)	DSTATE	5	2	147	5
State of Death (NCHS)	DSTATEO	13	2	77	N/A
Certificate Number	FILENO	7	6	5	7
<u>Decedent's Hispanic Origin</u>					
Hispanic Origin (Old std)	DETHNICO	15	1	94	N/A
Mexican CB	DETHNIC1	16	1	421 +	247
Puerto Rican CB	DETHNIC2	17	1	422 +	248
Cuban Cb	DETHNIC3	18	1	423 +	249
Other Hispanic CB	DETHNIC4	19	1	424 +	250
Other Hispanic Literal	DETHNIC5	20	20	425 +	251
Edited Hispanic Origin Code	DETHNICE	343	3 *		
Hispanic Code for Literal	DETHNIC5C	346	3 *		
<u>Decedent's Race</u>					
White CheckBox (CB)	RACE1	40	1	166	271
Black CB	RACE2	41	1	167	272
Am Indian CB	RACE3	42	1	168	273
Asian Indian CB	RACE4	43	1	169	274
Chinese CB	RACE5	44	1	170	275
Filipino CB	RACE6	45	1	171	276
Japanese CB	RACE7	46	1	172	277
Korean CB	RACE8	47	1	173	278
Vietnamese CB	RACE9	48	1	174	279
Other Asian CB	RACE10	49	1	175	280
Native Hawaiian CB	RACE11	50	1	176	281
Guamanian CB	RACE12	51	1	177	282
Samoaan Cb	RACE13	52	1	178	283
Other Pacific Isl. CB	RACE14	53	1	179	284
Other CB	RACE15	54	1	180	285
First Am. Ind Literal	RACE16	55	30	181	286
Second Am. Ind Literal	RACE17	85	30	211	316
First Other Asian Literal	RACE18	115	30	241	346
Second Other Asian Literal	RACE19	145	30	271	376
First Other PI Literal	RACE20	175	30	301	406
Second Other PI Literal	RACE21	205	30	331	436
First Other Literal	RACE22	235	30	361	466
Second Other Literal	RACE23	265	30	391	496
<u>Race Codes After Coding and Editing</u>					
First Edited Code	RACE1E	295	3		526
Second Edited Code	RACE2E	298	3		529
Third Edited Code	RACE3E	301	3		532
Fourth Edited Code	RACE4E	304	3		535
Fifth Edited Code	RACE5E	307	3		538
Sixth Edited Code	RACE6E	310	3		541
Seventh Edited Code	RACE7E	313	3		544
Eighth Edited Code	RACE8E	316	3		547
<u>Race Codes for Literal Entries.</u>					
First Am. Ind Code	RACE16C	319	3		550
Second Am. Ind Code	RACE17C	322	3		553
First Other Asian Code	RACE18C	325	3		556

Second Other Asian Code	RACE19C	328	3	559
First Other PI Code	RACE20C	331	3	562
Second Other Pi Code	RACE21C	334	3	565
First Other Code	RACE22C	337	3	568
Second Other Code	RACE23C	340	3	571
Bridged Multiple Race	RACEBRG	349	2 *	
Record Length		350	444	700

* Not previously documented.

+ New for 2004

2003 Natality Multiple Race Record Format

File name extension: NRE

Content	Field		Length	Record Format	
	Name	Location		Old Standard	New Standard
Year of Birth	IDOB_YR	1	4	224	1
State of Birth (FIPS)	BSTATE	5	2	256	5
State of Birth (NCHS)	BSTATEO	13	2	16	N/A
Certificate Number	FILENO	7	6	3	7
Mother's Hispanic Origin					
Hispanic Origin (Old std)	METHNICO	15	1	42	N/A
Mexican CB	METHNIC1	16	1	787 +	95
Puerto Rican CB	METHNIC2	17	1	788 +	96
Cuban Cb	METHNIC3	18	1	789 +	97
Other Hispanic CB	METHNIC4	19	1	790 +	98
Other Hispanic Literal	METHNIC5	20	20	791 +	99
Edited Hispanic Origin Code	METHNICE	671	3 *		
Hispanic Code for Literal	METHNIC5C	674	3 *		
Mother's Race					
White CheckBox (CB)	MRACE1	40	1	277	119
Black CB	MRACE2	41	1	278	120
Am Indian CB	MRACE3	42	1	279	121
Asian Indian CB	MRACE4	43	1	280	122
Chinese CB	MRACE5	44	1	281	123
Filipino CB	MRACE6	45	1	282	124
Japanese CB	MRACE7	46	1	283	125
Korean CB	MRACE8	47	1	284	126
Vietnamese CB	MRACE9	48	1	285	127
Other Asian CB	MRACE10	49	1	286	128
Native Hawaiian CB	MRACE11	50	1	287	129
Guamanian CB	MRACE12	51	1	288	130
Samoan Cb	MRACE13	52	1	289	131
Other Pacific Isl. CB	MRACE14	53	1	290	132
Other CB	MRACE15	54	1	291	133
First Am. Ind Literal	MRACE16	55	30	292	134
Second Am. Ind Literal	MRACE17	85	30	322	164
First Other Asian LiteralM	MRACE18	115	30	352	194
Second Other Asian Literal	MRACE19	145	30	382	224
First Other PI Literal	MRACE20	175	30	412	254
Second Other PI Literal	MRACE21	205	30	442	284
First Other Literal	MRACE22	235	30	472	314
Second Other Literal	MRACE23	265	30	502	344
Mother's Race Codes After Coding and Editing					
First Edited Code	MRACE1E	295	3		374
Second Edited Code	MRACE2E	298	3		377
Third Edited Code	MRACE3E	301	3		380
Fourth Edited Code	MRACE4E	304	3		383
Fifth Edited Code	MRACE5E	307	3		386
Sixth Edited Code	MRACE6E	310	3		389
Seventh Edited Code	MRACE7E	313	3		392
Eighth Edited Code	MRACE8E	316	3		395

Mother's Race Codes for Literal Entries.

First Am. Ind Code	MRACE16C	319	3		398
Second Am. Ind Code	MRACE17C	322	3		401
First Other Asian Code	MRACE18C	325	3		404
Second Other Asian Code	MRACE19C	328	3		407
First Other PI Code	MRACE20C	331	3		410
Second Other Pi Code	MRACE21C	334	3		413
First Other Code	MRACE22C	337	3		416
Second Other Code	MRACE23C	340	3		419

Father's Hispanic Origin

Hispanic Origin (Old std)	FETHNICO	343	1	43	N/A
Mexican CB	FETHNIC1	344	1	811 +	424
Puerto Rican CB	FETHNIC2	345	1	812 +	425
Cuban Cb	FETHNIC3	346	1	813 +	426
Other Hispanic CB	FETHNIC4	347	1	814 +	427
Other Hispanic Literal	FETHNIC5	348	20	815 +	428
Edited Hispanic Origin Code	FETHNICE	677	3		
Hispanic Code for Literal	FETHNIC5C	680	3		

Father's Race

White CheckBox (CB)	FRACE1	368	1	532	448
Black CB	FRACE2	369	1	533	449
Am Indian CB	FRACE3	370	1	534	450
Asian Indian CB	FRACE4	371	1	535	451
Chinese CB	FRACE5	372	1	536	452
Filipino CB	FRACE6	373	1	537	453
Japanese CB	FRACE7	374	1	538	454
Korean CB	FRACE8	375	1	539	455
Vietnamese CB	FRACE9	376	1	540	456
Other Asian CB	FRACE10	377	1	541	457
Native Hawaiian CB	FRACE11	378	1	542	458
Guamanian CB	FRACE12	379	1	543	459
Samoan Cb	FRACE13	380	1	544	460
Other Pacific Isl. CB	FRACE14	381	1	545	461
Other CB	FRACE15	382	1	546	462
First Am. Ind Literal	FRACE16	383	30	547	463
Second Am. Ind Literal	FRACE17	413	30	577	493
First Other Asian LiteralM	FRACE18	443	30	607	523
Second Other Asian Literal	FRACE19	473	30	637	553
First Other PI Literal	FRACE20	503	30	667	583
Second Other PI Literal	FRACE21	533	30	697	613
First Other Literal	FRACE22	563	30	727	643
Second Other Literal	FRACE23	593	30	757	673

Father's Race Codes After Coding and Editing

First Edited Code	FRACE1E	623	3	703
Second Edited Code	FRACE2E	626	3	706
Third Edited Code	FRACE3E	629	3	709
Fourth Edited Code	FRACE4E	632	3	712
Fifth Edited Code	FRACE5E	635	3	715
Sixth Edited Code	FRACE6E	638	3	718
Seventh Edited Code	FRACE7E	641	3	721
Eighth Edited Code	FRACE8E	644	3	724

Father's Race Codes for Literal Entries.

First Am. Ind Code	FRACE16C	647	3	727
Second Am. Ind Code	FRACE17C	650	3	730
First Other Asian Code	FRACE18C	653	3	733
Second Other Asian Code	FRACE19C	656	3	736
First Other PI Code	FRACE20C	659	3	739
Second Other Pi Code	FRACE21C	662	3	742
First Other Code	FRACE22C	665	3	745
Second Other Code	FRACE23C	668	3	748

Bridged Multiple Race

Mother's Race	MRACEBRG	683	2 *
Father's Race	FRACEBRG	685	2 *

Record Length 686 834 1000

* Not previously documented.
+ New for 2004

2003 Fetal Death Multiple Race Record Format

File name extension: FRE

Content	Field Name	Location	Length	Record Format	
				Old Standard	New Standard
Year of Event	IDOB_YR	1	4	200	1
State of Event (FIPS)	FSTATE	5	2	230	5
State of Event (NCHS)	FSTATEO	13	2	10	N/A
Certificate Number	FILENO	7	6	3	7
<u>Mother's Hispanic Origin</u>					
Hispanic Origin (Old std)	METHNICO	15	1	38	N/A
Mexican CB	METHNIC1	16	1	757 +	95
Puerto Rican CB	METHNIC2	17	1	758 +	96
Cuban Cb	METHNIC3	18	1	759 +	97
Other Hispanic CB	METHNIC4	19	1	760 +	98
Other Hispanic Literal	METHNIC5	20	20	761 +	99
Edited Hispanic Origin Code	METHNICE	671	3 *		
Hispanic Code for Literal	METHNIC5C	674	3 *		
<u>Mother's Race</u>					
White CheckBox (CB)	MRACE1	40	1	247	119
Black CB	MRACE2	41	1	248	120
Am Indian CB	MRACE3	42	1	249	121
Asian Indian CB	MRACE4	43	1	250	122
Chinese CB	MRACE5	44	1	251	123
Filipino CB	MRACE6	45	1	252	124
Japanese CB	MRACE7	46	1	253	125
Korean CB	MRACE8	47	1	254	126
Vietnamese CB	MRACE9	48	1	255	127
Other Asian CB	MRACE10	49	1	256	128
Native Hawaiian CB	MRACE11	50	1	257	129
Guamanian CB	MRACE12	51	1	258	130
Samoan Cb	MRACE13	52	1	259	131
Other Pacific Isl. CB	MRACE14	53	1	260	132
Other CB	MRACE15	54	1	261	133
First Am. Ind Literal	MRACE16	55	30	262	134
Second Am. Ind Literal	MRACE17	85	30	292	164
First Other Asian LiteralM	MRACE18	115	30	322	194
Second Other Asian Literal	MRACE19	145	30	352	224
First Other PI Literal	MRACE20	175	30	382	254
Second Other PI Literal	MRACE21	205	30	412	284
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Second Other Literal	MRACE23	265	30	472	344
<u>Mother's Race Codes After Coding and Editing</u>					
First Edited Code	MRACE1E	295	3		374
Second Edited Code	MRACE2E	298	3		377
Third Edited Code	MRACE3E	301	3		380
Fourth Edited Code	MRACE4E	304	3		383
Fifth Edited Code	MRACE5E	307	3		386
Sixth Edited Code	MRACE6E	310	3		389
Seventh Edited Code	MRACE7E	313	3		392
Eighth Edited Code	MRACE8E	316	3		395

Mother's Race Codes for Literal Entries.

First Am. Ind Code	MRACE16C	319	3		398
Second Am. Ind Code	MRACE17C	322	3		401
First Other Asian Code	MRACE18C	325	3		404
Second Other Asian Code	MRACE19C	328	3		407
First Other PI Code	MRACE20C	331	3		410
Second Other Pi Code	MRACE21C	334	3		413
First Other Code	MRACE22C	337	3		416
Second Other Code	MRACE23C	340	3		419

Father's Hispanic Origin

Hispanic Origin (Old std)	FETHNICO	343	1 **	39	N/A
Mexican CB	FETHNIC1	344	1 **	781 +	N/A
Puerto Rican CB	FETHNIC2	345	1 **	782 +	N/A
Cuban Cb	FETHNIC3	346	1 **	783 +	N/A
Other Hispanic CB	FETHNIC4	347	1 **	784 +	N/A
Other Hispanic Literal	FETHNIC5	348	20 **	785 +	N/A
Edited Hispanic Origin Code	FETHNICE	677	3 **		N/A
Hispanic Code for Literal	FETHNIC5C	680	3 **		N/A

Father's Race

White CheckBox (CB)	FRACE1	368	1 **	502	N/A
Black CB	FRACE2	369	1 **	503	N/A
Am Indian CB	FRACE3	370	1 **	504	N/A
Asian Indian CB	FRACE4	371	1 **	505	N/A
Chinese CB	FRACE5	372	1 **	506	N/A
Filipino CB	FRACE6	373	1 **	507	N/A
Japanese CB	FRACE7	374	1 **	508	N/A
Korean CB	FRACE8	375	1 **	509	N/A
Vietnamese CB	FRACE9	376	1 **	510	N/A
Other Asian CB	FRACE10	377	1 **	511	N/A
Native Hawaiian CB	FRACE11	378	1 **	512	N/A
Guamanian CB	FRACE12	379	1 **	513	N/A
Samoan Cb	FRACE13	380	1 **	514	N/A
Other Pacific Isl. CB	FRACE14	381	1 **	515	N/A
Other CB	FRACE15	382	1 **	516	N/A
First Am. Ind Literal	FRACE16	383	30 **	517	N/A
Second Am. Ind Literal	FRACE17	413	30 **	547	N/A
First Other Asian LiteralM	FRACE18	443	30 **	577	N/A
Second Other Asian Literal	FRACE19	473	30 **	607	N/A
First Other PI Literal	FRACE20	503	30 **	637	N/A
Second Other PI Literal	FRACE21	533	30 **	667	N/A
First Other Literal	FRACE22	563	30 **	697	N/A
Second Other Literal	FRACE23	593	30 **	727	N/A

Father's Race Codes After Coding and Editing

First Edited Code	FRACE1E	623	3 **	N/A
Second Edited Code	FRACE2E	626	3 **	N/A
Third Edited Code	FRACE3E	629	3 **	N/A
Fourth Edited Code	FRACE4E	632	3 **	N/A
Fifth Edited Code	FRACE5E	635	3 **	N/A
Sixth Edited Code	FRACE6E	638	3 **	N/A
Seventh Edited Code	FRACE7E	641	3 **	N/A
Eighth Edited Code	FRACE8E	644	3 **	N/A

Father's Race Codes for Literal Entries.

First Am. Ind Code	FRACE16C	647	3 **	N/A
Second Am. Ind Code	FRACE17C	650	3 **	N/A
First Other Asian Code	FRACE18C	653	3 **	N/A
Second Other Asian Code	FRACE19C	656	3 **	N/A
First Other PI Code	FRACE20C	659	3 **	N/A
Second Other Pi Code	FRACE21C	662	3 **	N/A
First Other Code	FRACE22C	665	3 **	N/A
Second Other Code	FRACE23C	668	3 **	N/A

Bridged Multiple Race

Mother's Race	MRACEBRG	683	2 *	
Father's Race	FRACEBRG	685	2 **	N/A

Record Length	686	804	2748
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* Not previously documented.
+ New for 2004