

## 1988 ANTHROPOMETRIC SURVEY U.S. ARMY - FEMALE WORKING DATA BASE

The 1988 Anthropometric Survey of the U.S. Army was conducted from August 1987 through July 1988. It was planned and conducted under the direction of Dr. Claire C. Gordon, head of the Anthropology Group of the Material Human Factors Branch, Behavioral Sciences Division, SATD, U.S. Army Natick Research Development and Engineering Center, Natick, MA. The contracting organization performing the work was Anthropology Research Project (ARP), Inc., of Yellow Springs, OH. The principal investigators for ARP were Dr. John T. McConville, Mr. Charles E. Clauser and Dr. Bruce Bradtmiller. The measuring was carried out at 11 U.S. Army posts throughout the continental U.S.

This survey contains 132 traditional two-dimensional anthropometric measurements, and biographical and headboard data for 2,208 female subjects. The headboard data was collected using a special automated headboard device that was designed specifically for measuring three-dimensional coordinates of landmark locations on the head and face. While this data remains in the data file, it is not included in the HSIAC Anthropometric Data Set report due to its uniqueness to other surveys; however, it is described in the documentation and can be accessed in the data file if needed. In addition, one body measurement (variable #108) has been omitted from this report due to inconsistencies with other surveys in the HSIAC collection.

This file is a subset of all individuals measured. The subset was created in such a way that the age/race profile of the sample is the same as the age/race profile of the U.S. Army as of June 1988. This file may be updated periodically when the demographic composition of the Army population changes. Details on how this sample was drawn can be found in the Final Report, 1988 Anthropometric Survey of U.S. Army Personnel: Methods and Summary Statistics, NATICK/TR-89/044.

The key documentation for this survey is divided into two reports. A description of landmarks and measuring techniques with photographs or diagrams are published in *Measurer's Handbook: U.S. Army Anthropometric Survey 1987-1988*, by Charles E. Clauser et al. The summary statistics (reported in both centimeters and inches) and a description of the survey are published in the report *1988 Anthropometric Survey of U.S. Army Personnel: Methods and Summary Statistics* by Claire C. Gordon, et al.

### REFERENCES

Clauser, Charles E., Ilse O. Tebbetts, Bruce Bradtmiller, John T. McConville, and Claire C. Gordon. *Measurer's Handbook: US Army Anthropometric Survey, 1987-1988*. Technical Report NATICK/TR-88/043, AD A202 721.

Gordon, Claire C., Bruce Bradtmiller, Thomas Churchill, Charles E. Clauser, John T. McConville, Ilse O. Tebbetts, and Robert A. Walker. *1988 Anthropometric Survey of US Army Personnel: Methods and Summary Statistics*. Technical Report NATICK/TR-89/044, AD A225 094.

### DOCUMENT ORDERING INSTRUCTIONS

The document(s) listed above can be obtained through the National Technical Information Center at 1-800-553-6847 or (703) 605-6000 (provide the DTIC "AD" document number). More information about NTIS can be obtained on the NTIS web site at URL <http://www.nits.gov>.

## FILE EXPLANATION

The following information provides the details needed to translate the ascii dataset (containing the survey data) into a statistical package for further analysis. **Var#** refers to the order in which the variables appear in the dataset. **Code** refers to the HSIAC standardized code that has been assigned to the corresponding **Variable Name**. The next four columns (**record**, **start**, **end**, and **format**) provide the descriptive information for the file format. **Record** refers to the line number on which the variable is located, **start** and **end** specify the column number of the variable on that line, and **format** refers to the variable format.

VAR #	CODE	VARIABLE NAME	RECORD	START	END	FORMAT
0	SUBJID	SUBJECT NUMBER	1	1	8	F8.0
1	11	ABDOMINAL-EXT-DEPTH-SIT	1	9	12	F4.0
2	23	ACROMION HT	1	13	16	F4.0
3	25	ACROMION HT - SITTING	1	17	20	F4.0
4	39	ACROMION-RADIALE LNTH	1	21	24	F4.0
5	58	ANKLE CIRC	1	25	28	F4.0
6	90	AXILLA HT	1	29	32	F4.0
7	70	ARM CIRC-AXILLARY	1	33	36	F4.0
8	358	FOOT CIRC	1	37	40	F4.0
9	496	INSTEP LNTH	1	41	44	F4.0
10	103	BIACROMIAL BRTH	1	45	48	F4.0
11	77	ARM CIRC-BICEPS FLEXED	1	49	52	F4.0
12	122	BIDELTOID BRTH	1	53	56	F4.0
13	134	BIMALLEOLAR BRTH	1	57	60	F4.0
14	140	BISPINOUS BRTH	1	61	64	F4.0
15	150	BITRAGION-MENTON ARC	1	65	68	F4.0
16	144	BITRAGION-CORONAL ARC	1	69	72	F4.0
17	146	BITRAGION-CRINION ARC	1	73	76	F4.0
18	152	BITRAGION-MINIMUM FRONTAL ARC	1	77	80	F4.0
19	156	BITRAGION-SUBMANDIBULAR ARC	1	81	84	F4.0
20	158	BITRAGION-SUBNASALE ARC	1	85	88	F4.0
21	165	BIZYGOMATIC BRTH	1	89	92	F4.0
22	172	BUSTPOINT TO BUSTPOINT BRTH	1	93	96	F4.0
23	178	BUTTOCK CIRC	1	97	100	F4.0
24	186	BUTTOCK DEPTH	1	101	104	F4.0
25	188	BUTTOCK HT	1	105	108	F4.0
26	194	BUTTOCK-KNEE LNTH	1	109	112	F4.0
27	200	BUTTOCK-POPLITEAL LNTH	1	113	116	F4.0
28	207	CALF CIRC	1	117	120	F4.0
29	215	CALF HT	1	121	124	F4.0
30	219	CERVICALE HT	1	125	128	F4.0
31	220	CERVICALE HT-SITTING	1	129	132	F4.0
32	223	CHEST BRTH	2	1	4	F4.0
33	230	CHEST CIRC	2	5	8	F4.0
34	231	CHEST CIRC-AT SCYE	2	9	12	F4.0
35	232	CHEST CIRC-BELOW BUST	2	13	16	F4.0
36	236	CHEST DEPTH	2	17	20	F4.0
37	237	CHEST HT	2	21	24	F4.0
38	249	CROTCH HT	2	25	28	F4.0
39	252	CROTCH LNTH-UMBILICUS	2	29	32	F4.0

VAR #	CODE	VARIABLE NAME	RECORD	START	END	FORMAT
40	251	CROTCH LNTH (NATURAL WAIST)	2	33	36	F4.0
41	253	CROTCH LNTH-POSTERIOR-NATURAL	2	37	40	F4.0
42	254	CROTCH LNTH-POSTERIOR-OMPHALION	2	41	44	F4.0
43	277	EAR BRTH	2	45	48	F4.0
44	280	EAR LNTH	2	49	52	F4.0
45	282	EAR LNTH-ABOVE TRAGION	2	53	56	F4.0
46	285	EAR PROTRUSION	2	57	60	F4.0
47	303	ELBOW CIRC-EXTENDED	2	61	64	F4.0
48	312	ELBOW REST HT	2	65	68	F4.0
49	330	EYE HT-SITTING	2	69	72	F4.0
50	356	FOOT BRTH	2	73	76	F4.0
51	362	FOOT LNTH	2	77	80	F4.0
52	371	FOREARM CIRC-FLEXED	2	81	84	F4.0
53	378	FOREARM TO FOREARM BRTH	2	85	88	F4.0
54	375	FOREARM-HAND LENTH	2	89	92	F4.0
55	386	FUNCTIONAL LEG LNTH	2	93	96	F4.0
56	398	GLUTEAL FURROW HT	2	97	100	F4.0
57	411	HAND BRTH AT METACARPALE	2	101	104	F4.0
58	416	HAND CIRC AT METACARPALE	2	105	108	F4.0
59	420	HAND LNTH	2	109	112	F4.0
60	427	HEAD BRTH	2	113	116	F4.0
61	430	HEAD CIRC	2	117	120	F4.0
62	441	HEAD LNTH	2	121	124	F4.0
63	445	HEEL ANKLE CIRC	2	125	128	F4.0
64	450	HEEL BRTH	2	129	132	F4.0
65	457	HIP BRTH	3	1	4	F4.0
66	459	HIP BRTH-SITTING	3	5	8	F4.0
67	489	ILIOCRISTALE HT	3	9	12	F4.0
68	503	INTERPUPILLARY DIST	3	13	16	F4.0
69	506	INTERSCYE DIST	3	17	20	F4.0
70	508	INTERSCYE DIST-MID	3	21	24	F4.0
71	515	KNEE CIRC	3	25	28	F4.0
72	665	PATELLA-MID HT	3	29	32	F4.0
73	529	KNEE HT - SITTING	3	33	36	F4.0
74	542	LATERAL FEMORAL EPICONDYLE HT	3	37	40	F4.0
75	543	LATERAL-MALLEOUS HT	3	41	44	F4.0
76	851	THIGH CIRC-DISTAL	3	45	48	F4.0
77	586	MENTON TO NASAL ROOT DEP LNTH	3	49	52	F4.0
78	612	MIDSHOULDER HT-SITTING	3	53	56	F4.0
79	648	NECK TO BUSTPOINT LNTH	3	57	60	F4.0
80	639	NECK CIRC-OVER LARYNX	3	61	64	F4.0
81	636	NECK CIRC-BASE	3	65	68	F4.0
82	641	NECK HT-LATERAL	3	69	72	F4.0
83	653	OVERHEAD REACH	3	73	76	F4.0
84	656	OVERHEAD REACH-EXTENDED	3	77	80	F4.0
85	654	OVERHEAD REACH SITTING	3	81	84	F4.0
86	678	POPLITEAL HT-SITTING	3	85	88	F4.0
87	698	RADIALE-STYLION LNTH	3	89	92	F4.0
88	732	SCYE CIRC-OVER ACROMION	3	93	96	F4.0

VAR #	CODE	VARIABLE NAME	RECORD	START	END	FORMAT
89	737	SCYE DEPTH	3	97	100	F4.0
90	747	SHOULDER CIRC	3	101	104	F4.0
91	751	SHOULDER-ELBOW LNTH	3	105	108	F4.0
92	754	SHOULDER LNTH	3	109	112	F4.0
93	758	SITTING HT	3	113	116	F4.0
94	802	SPINE TO ELBOW LNTH (SL)	3	117	120	F4.0
95	803	SPINE TO SCYE LNTH (SL)	3	121	124	F4.0
96	804	SPINE TO WRIST LNTH (SL)	3	125	128	F4.0
97	797	SLEEVE-OUTSEAM LNTH	3	129	132	F4.0
98	799	SPAN	4	1	4	F4.0
99	805	STATURE	4	5	8	F4.0
100	821	STRAP LNTH	4	9	12	F4.0
101	841	SUPRASTERNALE HT	4	13	16	F4.0
102	850	TENTH RIB	4	17	20	F4.0
103	852	THIGH CIRC-PROXIMAL	4	21	24	F4.0
104	856	THIGH CLEARANCE	4	25	28	F4.0
105	862	THUMB BRTH	4	29	32	F4.0
106	867	THUMB-TIP REACH	4	33	36	F4.0
107	894	TROCHANTERION HT	4	37	40	F4.0
109	916	VERTICAL TRUNK CIRC	4	45	48	F4.0
110	919	WAIST BACK LNTH-NATURAL	4	49	52	F4.0
111	921	WAIST BACK LNTH-OMPHALION	4	53	56	F4.0
112	928	WAIST BRTH-OMPHALION	4	57	60	F4.0
113	931	WAIST CIRC - NATURAL	4	61	64	F4.0
114	932	WAIST CIRC-OMPHALION	4	65	68	F4.0
115	943	WAIST DEPTH-OMPHALION	4	69	72	F4.0
116	945	WAIST FRONT LNTH-NATURAL	4	73	76	F4.0
117	946	WAIST FRONT LNTH-OMPHALION	4	77	80	F4.0
118	949	WAIST HT-NATURAL	4	81	84	F4.0
119	950	WAIST HT-OMPHALION	4	85	88	F4.0
120	951	WAIST HT-NATURAL-SITTING	4	89	92	F4.0
121	952	WAIST HT-UMBILICUS-SITTING	4	93	96	F4.0
122	947	WAIST HIP LNTH	4	97	100	F4.0
123	954	WAIST NATURAL TO WAIST UMBILICUS	4	101	104	F4.0
124	957	WEIGHT	4	105	108	F4.0
125	976	WRIST TO CENTER OF GRIP LNTH	4	109	112	F4.0
126	970	WRIST CIRC-STYLION	4	113	116	F4.0
127	973	WRIST HT	4	117	120	F4.0
128	974	WRIST HT-SITTING	4	121	124	F4.0
129	977	WRIST TO INDEX FINGER LNTH	4	125	128	F4.0
130	978	WRIST TO THUMBTIP LNTH	4	129	132	F4.0
131	979	WRIST TO WALL LNTH	5	1	4	F4.0
132	980	WRIST TO WALL LNTH-EXTENDED	5	5	8	F4.0
258	1239	MONTH MEASURED-ANSUR88	9	1	2	F2.0
259	1240	DAY MEASURED-ANSUR88	9	3	4	F2.0
260	1241	YEAR MEASURED-ANSUR88	9	5	6	F2.0
261	1242	UNIT-ANSUR88	9	7	12	F6.0
262	1243	WAS SUBJ MEASURED-ANSUR88	9	13	13	F1.0
263	1244	GENDER	9	14	14	F1.0

VAR #	CODE	VARIABLE NAME	RECORD	START	END	FORMAT
264	1245	MILITARY COMPONENT	9	15	15	F1.0
265	1246	MILITARY PERSONNEL CLASS	9	16	16	F1.0
266	1247	HANDEDNESS,WEAPON-ANSUR88	9	17	17	F1.0
267	1248	WEAPON SITTING-ANSUR88	9	18	18	F1.0
268	1005	HANDEDNESS,WRITING-ANSUR88	9	19	19	F1.0
269	1250	GLASSES-ANSUR88	9	20	20	F1.0
270	1251	RANK-ANSUR88	9	21	22	F2.0
271	1252	GRADE-ANSUR88	9	23	24	F2.0
272	1253	YEARS SERVED-ANSUR88	9	25	26	F2.0
273	1254	MONTHS SERVED-ANSUR88	9	27	28	F2.0
274	1255	AGE-ANSUR88	9	29	30	F2.0
275	1256	BIRTH MONTH-ANSUR88	9	31	32	F2.0
276	1257	BIRTH DAY-ANSUR88	9	33	34	F2.0
277	1258	BIRTH YEAR-ANSUR88	9	35	36	F2.0
278	1259	ESTIMATED HT, FEET-ANSUR88	9	37	38	F2.0
279	1260	ESTIMATED HT, INCHES-ANSUR88	9	39	40	F2.0
280	1261	ESTIMATED WEIGHT, LBS-ANSUR88	9	41	43	F3.0
281	1262	RACE OF SUBJECT-ANSUR88	9	44	47	F4.0
282	1263	RACE OF MOTHER-ANSUR88	9	48	51	F4.0
283	1264	RACE OF FATHER-ANSUR88	9	52	55	F4.0
284	1265	ETHNICITY OF SUBJECT-ANSUR88	9	56	58	F3.0
285	1266	ETHNICITY OF MOTHER-ANSUR88	9	59	61	F3.0
286	1267	ETHNICITY OF FATHER-ANSUR88	9	62	64	F3.0
287	1268	BIRTH PLACE OF SUBJECT-ANSUR88	9	65	67	F3.0
288	1269	BIRTH PLACE OF MOTHER-ANSUR88	9	68	70	F3.0
289	1270	BIRTH PLACE OF FATHER-ANSUR88	9	71	73	F3.0
290	1271	PRIMARY MOS ANSUR88	9	74	83	A10
291	1272	SECONDARY MOS ANSUR88	9	84	93	A10

The variables contained in this file are as follows:

**DIRECTLY MEASURED ANTHROPOMETRIC VARIABLES ( 1 - 132 ).**

Measured in millimeters except variable 124 Weight measured in tenths of kilograms.

**BIOGRAPHICAL VARIABLES ( 258 - 291 )**

Missing estimated height have a value of -9 and missing estimate weight have a value of -99.

Headboard (133 - 183), Distance (184 - 197) and Derived (198 - 257) Variables have been omitted from this report.

Missing Anthropometric, Headboard and Derived Variables have a value of -999.

**CODED VARIABLES**

**1242 - UNIT/POST CODE**

UNIT = XX0000 / POST = 00XX00 / CODE = 0000XX

010000-INFANTRY / 020000-ARMOR / 030000-FIELD ARTILLERY / 040000-AIR DEFENSE ARTILLERY / 050000-AVIATION-PILOTS / 060000-AVIATION-OTHER / 070000-CHEMICAL / 080000-MP / 090000-ENGINEER / 100000-SIGNAL / 110000-MI / 120000-ORDNANCE / 130000-MEDICAL / 140000-MAINTENANCE / 150000-TRANSPORTATION / 160000-SUPPLY / 170000-SUPPLY AND SERVICE / 180000-SUPPLY AND TRANSPORTATION / 190000-GENERAL SUPPLY / 200000-AG / 210000-QUARTERMASTER / 220000-PSC / 230000-HEADQUARTERS AND REPLACEMENT & DETACHMENTS / 240000-MEDDAC / 250000-DENTAC / 260000-BAND / 270000-TENANT UNITS / 280000-FINANCE / 290000-USAG / 300000-DEFENSE LANGUAGE INSTITUTE

POST = 00XX00

01-FORT MCCLELLAN / 02-FORT CAMPBELL / 03-FORT BRAGG / 04-FORT STEWART / 05-FORT ORD / 06-FORT LEWIS / 07-FORT HOOD / 08-FORT GORDON / 09-FORT JACKSON / 10-FORT RUCKER / 11-FORT DIX

**1243 - WAS SUBJECT MEASURED**

1-YES / 2-NO

**1244 - GENDER**

1-MALE / 2-FEMALE

**1245 - MILITARY COMPONENT**

1-REGULAR ARMY / 2-ARMY RESERVE / 3-NATIONAL GUARD / 4-N/A

**1246 - MILITARY PERSONNEL CLASS**

1-ENLISTED / 2-WARRANT OFFICER / 3-COMMISSIONED OFFICER

**1247 - HANDEDNESS-WEAPON**

1-RIGHT / 2-LEFT / 3-EITHER HAND

**1248 - SIGHTING-WEAPON**

1-RIGHT / 2-LEFT / 3-EITHER EYE

**1005 - HANDEDNESS-WRITING**

1-RIGHT / 2-LEFT / 3-EITHER HAND

**1250 - GLASSES**

0-MISSING / 1-NEITHER / 2-PRESCRIPTION GLASSES / 3-PRESCRIPTION CONTACT LENSES / 4-BOTH

VAR #	CODE	VARIABLE NAME	RECORD	START	END	FORMAT
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**1251 - RANK**

1-PVT / 2-PV1 / 3-PV2 / 4-PFC / 5-SP4 / 6-CPL / 11-SGT / 12-SSG / 13-SFC / 14-PSG / 15-1SG / 16-MSG / 17-SGM / 18-CSM / 21-WO1 / 22-CW2 / 23-CW3 / 24-CW4 / 31-2LT / 32-1LT / 33-CPT / 34-MAJ / 35-LTC / 36-COL

**1252 - GRADE**

11-E1 / 12-E2 / 13-E3 / 14-E4 / 15-E5 / 16-E6 / 17-E7 / 18-E8 / 19-E9 / 21-WO1 / 22-WO2 / 23-WO3 / 24-WO4 / 31-O1 / 32-O2 / 33-O3 / 34-O4 / 35-O5 / 36-O6

**1262 - 1264 - RACE**

RACIAL GROUPS WERE ASSIGNED THE FOLLOWING NUMERICAL CODES:

1 - WHITE / 2 - BLACK / 3 - HISPANIC / 4 - ASIAN / PACIFIC ISLANDER / 5 - AMERICAN INDIAN / 6 - CARRIBEAN, INCLUDING: BERMUDAN, HAITIAN, JAMAICAN, AND WEST INDIAN / 7 - EAST INDIAN, INCLUDING: ASIAN INDIAN AND EAST INDIAN / 8- ARAB, INCLUDING: ARABIAN, EGYPTIAN, IRANIAN, AND IRAQIAN.

A CODE OF (9999) INDICATES N/A, MISSING OR ILLEGIBLE ENTRIES.

A ONE DIGIT CODE INDICATES A SINGLE RACE, E.G., (1) CORRESPONDS TO WHITE. A TWO TO FOUR DIGIT CODE INDICATES SUBJECT OF MIXED PARENTAGE, E.G., (127)

CORRESPONDS TO WHITE/BLACK/EAST INDIAN. IN ADDITION, THE ORDER OF THE DIGITS CORRESPONDS DIRECTLY TO THE ORDER IN WHICH THE SUBJECT INDICATED HIS OR HER MIXED PARENTAGE ON THE BIOGRAPHICAL DATA FORMS.

**1265 - 1266 - ETHNICITY**

The Ethnicity codes below are followed by their corresponding ethnicity:

1 BLANK	33 BRAZILIAN
2 AMERICAN	34 COLOMBIAN
3 AFRO-AMERICAN	35 HONDURAN
4 AFRICAN	36 GUYANESE
5 AFRICAN-AMERICAN	37 SALVADORAN
6 BLACK AMERICAN	38 BRITISH
7 NEGRO AMERICAN	39 CHINESE
8 AMERICAN INDIAN	40 JAPANESE
9 DUTCH	41 TAIWANESE
10 ENGLISH	42 THAI
11 FINNISH	43 LAOTIAN
12 FRENCH	44 VIETNAMESE
13 GERMAN	45 FILIPINO
14 IRISH	46 COSTA RICAN
15 ITALIAN	47 PUERTO RICAN
16 NORWEGIAN	48 HUNGARIAN
17 SCANDINAVIAN	49 GUATEMALAN
18 SCOTS	50 HAITIAN
19 SCOTS-IRISH	51 GUAMANIAN
20 SPANISH	52 SAMOAN
21 SWEDISH	53 CHAMORRO
22 FRENCH BLACK	54 WEST INDIAN
23 FRENCH CANADIAN	55 POLISH
24 ENGLISH CANADIAN	56 RUSSIAN
25 FRENCH HUGUENOT	57 HAWAIIAN
26 GREEK	58 YUGOSLAVIAN
27 BELIZEAN	59 SERBIAN
28 HISPANIC AMERICAN	60 CROATIAN
29 MEXICAN	61 PANAMANIAN
30 MEXICAN AMERICAN	62 JAMAICAN
31 ARGENTINEAN	63 SERBO-CROATIAN
32 BOLIVIAN	64 MACEDONIAN

65	CUBAN	123	BLACK CHOCTAW
66	CZECH	124	BLACK CREEK
67	BAHAMIAN	125	BLACK DUTCH
68	TRINIDADIAN	126	BLACK ENGLISH
69	MAORI	127	BLACK GERMAN
70	CREOLE	128	GRENADIAN
71	MULATTO	129	BLACK HISPANIC
72	DANISH	130	BLACK KOREAN
73	DOMINICAN	131	BLACK SIOUX
74	CAJUN	132	BLACK APACHE
75	ACOMA	133	BLACK CHINICOT
76	INUPIAT	137	BLACK FILIPINO
77	ALASKAN INDIAN	138	BLACK GREEK
78	ALASKAN NATIVE	139	BLACK KICKAPOO
79	ALBANIAN	140	BLACKFOOT CHEROKEE
80	ALSCASE LORRAINE	141	BLACKFOOT IRISH
81	ALEUT	142	BLACKFOOT SIOUX
82	OTTAWA	144	BLACKFOOT DUTCH
83	CANADIAN	145	BLACKFOOT ITALIAN
84	CHEROKEE	146	BLACKHAWK
85	AMERASIAN	147	BOHEMIAN
86	ATHABASCAN	148	BRITISH CANADIAN
87	BLACKFOOT	149	BULGARIAN
88	EUROPEAN	150	CADDO
89	ANGLO-SAXON	151	CAMBODIAN
90	ANGLO-AMERICAN	152	CAPE VERDEAN
91	ANGOLAN	153	CAROLINIAN
92	ANTIGUAN	154	CASTELLANO
93	APACHE	155	CASTILLIAN
94	APACHE SIOUX	156	CAYMAN ISLANDER
95	ARAB	157	CELTIC
96	ARAPAHO	158	CENTRAL AMERICAN
97	ARMENIAN	159	CHOCTAW
98	ARYAN	160	CHELIS
99	ASIAN	161	CHEROKEE WYANDOTTE
100	ASIAN AMERICAN	162	CHEROKEE CHOCTAW
101	ASIAN HISPANIC	163	CHEROKEE FILIPINO
102	EAST INDIAN	164	CHEROKEE FRENCH
103	ASSINIBOINE	165	CHEROKEE GERMAN
104	ASSYRIAN	166	CHEROKEE IRISH
105	AUSTRALIAN	167	CHEROKEE NAVAJO
106	AUSTRIAN	168	CHEROKEE SCOTTISH
107	AZOREAN	169	CHEYENNE
108	AZTEC	170	CHICANO
109	BLACK ASIAN	171	CHICKASAW
110	BLACK CZECH	172	CHICKASAW CHOCTAW
111	BLACK CANADIAN	173	CHIHUAHUA
112	BLACK CHEROKEE	174	CHILEAN
113	BLACK IRISH	175	CHINESE PORTUGUESE
114	BLACK JAPANESE	176	CHINESE RUSSIAN
115	MENOMINEE	177	CHIPPEWA
116	BALKAN	178	CHIPPEWA CHEROKEE
117	BARBADIAN	179	CHIPPEWA OTTAWA
118	BASQUE	180	CHIPPEWA CREEK
119	BELGIAN	181	CHIPPEWA SIOUX
120	BERMUDAN	182	CHITAMACHA
121	BLACK CARIB	183	CHUMASH
122	BLACK CHICKASAW	184	CHUMASH APACHE



185	COHAIRE	245	HISPANIC ARAB
186	COMANCHE	246	HISPANIC GERMAN
187	CORNISH	247	HOPI
188	CREE	248	ICELANDIC
189	CREEK	249	INUIT
190	CREEK MEXICAN	250	IRANIAN
191	CROW	251	IRAQI
192	CROW CHEROKEE	252	IROQUOIS
193	CRUCIAN	253	IRISH COMANCHE
194	CUBAN ITALIAN	254	IRISH CREE
195	DANISH JAPANESE	255	IRISH APACHE
196	DELAWARE	256	IRISH JAPANESE
197	DUTCH APACHE	257	IRISH MEXICAN
198	DUTCH CHEROKEE	258	IRISH MOHAWK
199	DUTCH INDONESIAN	259	IRISH FILIPINO
201	SHAWNEE OSAGE	260	ISRAELI
202	ECUADORIAN	261	ITALIAN PORTUGUESE
203	EGYPTIAN	262	ITALIAN CHEROKEE
204	ELLICE ISLANDER	263	ITALIAN CHIPPEWA
205	ENGLISH PENOBSCOT	264	JAPANESE DUTCH
206	ENGLISH CHOCTAW	265	JAPANESE GERMAN
207	ENGLISH APACHE	266	JEWISH
208	ENGLISH CHEROKEE	267	JORDANIAN
209	ENGLISH KLAMATH	268	KAROK
210	ENGLISH LEBANESE	269	KIOWA
211	ESKIMO	270	KOREAN
212	ESTONIAN	271	LAGUMA
213	ETHIOPIAN	272	LUMBEE
214	EURASIAN	273	LATIN AMERICAN
215	EUROPEAN JEWISH	274	LATINO
216	FIJIAN	275	LATVIAN
217	FILIPINO MEXICAN	276	IRISH SHAWNEE
218	FILIPINO GERMAN	277	LEBANESE
219	FLEMISH	278	LIBERIAN
220	FRANCO-ITALIAN	279	LITHUANIAN
221	FRENCH HISPANIC	280	LUXEMBOURGIAN
222	FRENCH PORTUGUESE	281	MAIDU
223	FRENCH KOREAN	282	MALAYSIAN
224	FRENCH BLACKFOOT	283	MALTESE
225	FRENCH CHIPPEWA	284	MANX
226	FRENCH HAWAIIAN	285	MARSHALLESE
228	FRENCH MEXICAN	286	MAYAN
229	FRENCH NEZ PERCE	288	MENOMINEE WINNEBAGO
230	FRENCH PUERTO RICAN	289	MESCALERO APACHE
231	GERMAN APACHE	290	MEXICAN NAVAJO
232	GERMAN BLACKFOOT	291	MEXICAN APACHE
233	GERMAN MEXICAN	293	MEXICAN CHEROKEE
234	GERMAN NAVAJO	295	MEXICAN NORWEGIAN
235	GERMAN POLYNESIAN	296	MICMAC BLACKFOOT
236	GERMAN SAMOAN	297	MICRONESIAN
237	GHANAIAAN	298	MIDDLE EASTERN
238	GREEK PUERTO RICAN	299	MISSION
239	GROS VENTRES	300	MOHAWK
240	GUAMANIAN MEXICAN	301	MOHICAN
241	HAIDA	303	MUSLIM
242	HAUKPAPA SIOUX	304	NATCHEZ
243	HEBREW	305	NATIVE AMERICAN
244	HINDU	306	NAVAJO

307	NAVAJO ZUNI	366	SEYCHELLES ISLANDER
308	NEZ PERCE	367	SHASTA
309	NICARAGUAN	368	SHAWNEE
310	NIGERIAN	369	SHINICOCK
311	NONE	370	SHOSHONE
312	NORMAN FRENCH	371	SHOSHONE FRENCH
313	OSAGE IRISH	372	SIOUX
314	OSGALA SIOUX	373	SIOUX CHEROKEE
315	OJIBWA	374	SLAVIC
316	OKINAWAN	375	SLOVAK
317	OMAHA	376	GERMAN SIOUX
318	ONADAGA	377	ENGLISH SIOUX
319	ONEIDA	378	SOUTH AFRICAN
320	ONEIDA OTOE	379	HISPANIC ITALIAN
321	ORIENTAL AMERICAN	380	HISPANIC CHINESE
322	OSAGE SIOUX	382	APACHE NAVAJO
323	OTHER	383	HISPANIC ENGLISH
324	OTOE	384	HISPANIC GREEK
325	OTTAWA SIOUX	385	HISPANIC IRISH
327	PENNSYLVANIA DUTCH	386	HISPANIC SCOTS-IRISH
328	PACIFIC ISLANDER	387	STOCKBRIDGE INDIAN
329	PAIUTE	389	SUANEE
330	PAKISTANI	390	SUDANESE
331	PAPUAN	391	SURINAMESE
332	PALESTINIAN	392	SWEDISH CHEROKEE
333	PAPAGO	393	SWEDISH JAPANESE
334	PEQUOT CHEROKEE	394	SWISS
335	PERSIAN	395	SWISS CHEROKEE
336	PERUVIAN	396	SWISS HAWAIIAN
337	PENOBSCOT	397	ITALIAN SWISS
338	PIMA	398	SYRIAN
339	POLYNESIAN	399	TARASCAN
340	POMO	400	TILIMOOK IRISH
341	PORTUGUESE	401	TONGAN
342	PORTUGUESE ENGLISH	402	TURKISH
343	PORTUGUESE GERMAN	403	TUSCARAWA
344	PORTUGUESE HAWAIIAN	405	TYROLIAN
345	POTAWATANI	406	UKRANIAN
346	POWATAN	408	UTE
347	SWISS CHOCTAW	409	UTE PAIUTE
348	PRUSSIAN	410	VENEZUELAN
349	SAXON	411	VINCENTIAN
350	PUEBLO	412	VIRGIN ISLANDER
351	QUAKER	413	WELSH
352	QUINETENON	414	WASCO
353	ROMANIAN	415	WARM SPRINGS
354	ROSEBUD SIOUX	416	WEEHAW
355	SOUTH AMERICAN	417	WHITE AMERICAN
356	SAC AND FOX	418	WINNEBAGO
357	SAIPANESE	419	WYANDOTTE
358	SANTO DOMINICAN	420	YAKIMA
359	SAPONI	421	YAQUI
360	SICILIAN	422	YUROK
361	SCOTS COMANCHE	423	ZUNI
362	SEMITIC	424	SWEDISH IRISH
363	SEMINOLE	425	EURASIAN AMERICAN
364	SENECA	997	NOT APPLICABLE
365	SENECA CUYUGA	998	DONT KNOW

999 UNKNOWN

### **1268 - 1270 BIRTHPLACE**

For birthplace, the geographic locations taken from the biographical data forms were compiled, divided into regions, alphabetized and then assigned a sequence of codes from (1) through (999). Those born in the U.S. generally specified state, and those codes are 1 - 50, (51 = DC and 52 = U.S., no state specified). Those born outside the U.S. have a 3-digit code.

#### UNITED STATES (CODES 1 - 52)

1 - ALABAMA / 2 - ALASKA / 3 - ARIZONA / 4 - ARKANSAS / 5 - CALIFORNIA / 6 - COLORADO / 7 - CONNECTICUT / 8 - DELAWARE / 9 - FLORIDA / 10 - GEORGIA / 11 - HAWAII / 12 - IDAHO / 13 - ILLINOIS / 14 - INDIANA / 15 - IOWA / 16 - KANSAS / 17 - KENTUCKY / 18 - LOUISIANA / 19 - MAINE / 20 - MARYLAND / 21 - MASSACHUSETTS / 22 - MICHIGAN / 23 - MINNESOTA / 24 - MISSISSIPPI / 25 - MISSOURI / 26 - MONTANA / 27 - NEBRASKA / 28 - NEVADA / 29 - NEW HAMPSHIRE / 30 - NEW JERSEY / 31 - NEW MEXICO / 32 - NEW YORK / 33 - NORTH CAROLINA / 34 - NORTH DAKOTA / 35 - OHIO / 36 - OKLAHOMA / 37 - OREGON / 38 - PENNSYLVANIA / 39 - RHODE ISLAND / 40 - SOUTH CAROLINA / 41 - SOUTH DAKOTA / 42 - TENNESSEE / 43 - TEXAS / 44 - UTAH / 45 - VERMONT / 46 - VIRGINIA / 47 - WASHINGTON / 48 - WEST VIRGINIA / 49 - WISCONSIN / 50 - WYOMING / 51 - WASHINGTON DC / 52 - UNITED STATES

#### EUROPE (CODES 100 - 131)

100 - ALBANIA / 101 - AUSTRIA / 102 - AZORES ISLANDS / 103 - BELGIUM / 104 - CANARY ISLANDS / 105 - CZECHOSLOVAKIA / 106 - DENMARK / 107 - ENGLAND / 108 - EUROPE / 109 - FINLAND / 110 - FRANCE / 111 - GERMANY / 112 - GREECE / 113 - GREAT BRITAIN / 114 - HOLLAND / 115 - HUNGARY / 116 - ITALY / 117 - IRELAND / 118 - LUXEMBOURG / 119 - NETHERLANDS / 120 - NORWAY / 121 - POLAND / 122 - PORTUGAL / 123 - SCOTLAND / 124 - SICILY / 125 - SPAIN / 126 - SWEDEN / 127 - SWITZERLAND / 128 - WALES / 129 - WEST GERMANY / 130 - ROMANIA / 131 - YUGOSLAVIA

#### SOVIET UNION (CODES 150 - 154)

150 - ESTONIA / 151 - LATVIA / 152 - LITHUANIA / 153 - SOVIET UNION / 154 - UKRAINE

#### ASIA (CODES 200 - 211)

200 - CAMBODIA / 201 - CHINA / 202 - JAPAN / 203 - KOREA / 204 - LAOS / 205 - MALAYSIA / 206 - MONGOLIA / 207 - OKINAWA / 208 - TAIWAN / 209 - THAILAND / 210 - VIETNAM / 211 - SINGAPORE

220 - IRAN / 221 - IRAQ / 222 - ISRAEL / 223 - JORDAN / 224 - LEBANON / 225 - PALESTINE / 226 - SAUDI ARABIA / 227 - SYRIA / 228 - TURKEY / 230 - INDIA / 231 - PAKISTAN / 240 - PHILIPPINE ISLANDS / 250 - INDONESIA

#### WEST INDIES (CODES 300 - 317)

300 - ANTIGUA / 301 - BARBADOS / 302 - BERMUDA / 303 - BAHAMA ISLANDS / 304 - CAYMAN ISLANDS / 305 - CUBA / 306 - DOMINICAN REPUBLIC / 307 - GRENADA / 308 - HAITI / 309 - JAMAICA / 310 - PUERTO RICO / 311 - SANTO DOMINGO / 312 - ST KITTS / 313 - ST THOMAS / 314 - TOBAGO / 315 - TRINIDAD / 316 - VIRGIN ISLAND / 317 - WEST INDIES

#### SOUTH AMERICA (CODES 400 - 413)

400 - ARGENTINA / 401 - ARUBA / 402 - BOLIVIA / 403 - BRAZIL / 404 - CHILE / 405 - COLUMBIA / 406 - CURACAO / 407 - ECUADOR / 408 - GUYANA / 409 - NETHERLAND ANTILLES / 410 - PERU / 411 - SOUTH AMERICA / 412 - SURINAME / 413 - VENEZUELA

#### AFRICA (CODES 500 - 514)

500 - AFRICA / 501 - ANGOLA / 502 - CAPE VERDE / 503 - CONGO / 504 - EQYPT / 505 - ETHIOPIA / 506 - GHANA / 507 - LIBERIA / 508 - MOROCCO / 509 - NIGERIA / 510 - SEYCHELLES / 511 - SIERRA LEONE / 512 - SOUTH AFRICA / 513 - SUDAN / 514 - TUNISIA

#### CENTRAL AMERICA (CODES 600 - 608)

600 - BELIZE / 601 - CENTRAL AMERICA / 602 - COSTA RICA / 603 - EL SALVADOR / 604 - GUATEMALA / 605 - HONDURAS / 606 - MEXICO / 607 - NICARAGUA / 608 PANAMA

PACIFIC ISLANDS (CODES 700 - 713)

700 - AMERICAN SAMOA / 701 - CAROLINA ISLANDS / 702 - FIJI ISLANDS / 703 - GUAM / 704 - MARIANA ISLANDS / 705 - MARSHALL ISLANDS / 706 - MICRONESIA / 707 - PALAU / 708 - PONAPE / 709 - SAIPAN / 710 - TOKELAU ISLANDS / 711 - TONGA ISLANDS / 712 -WESTERN SAMOA / 713 - ELLICE ISLANDS

CANADA (CODES 800 - 807)

800 - BRITISH COLUMBIA / 801 - CANADA / 802 - NEWFOUNDLAND / 803 - NOVA SCOTIA / 804 - ONTARIO / 805 - QUEBEC / 806 - SASKATCHEWAN

AUSTRALIA AND NEW ZEALAND

900 - AUSTRALIA / 901 - NEW ZEALAND

999 NOT AVAILABLE

**1271 - 1272 MOS PRIMARY AND SECONDARY**

The MOS codes follow Army Regulation AR 611-201 for Enlisted Personnel, Army Regulation AR 611-112 for Warrant Officers, and AR 611-101 for Commissioned Officers.

## EXPLANATION OF TERMINOLOGY

Since these surveys were conducted over such a wide period of time, many of the variable names are not consistent across surveys. Those variables which have names that are unique to this survey are listed in the column labeled "ALIAS" as they appear in the documentation. If there is no difference in the terminology, the space is left blank.

VAR #	CODE	VARIABLE NAME	ALIAS
0	SUBJID	SUBJECT NUMBER	
1	11	ABDOMINAL-EXT-DEPTH-SIT	
2	23	ACROMION HT	ACROMIAL HEIGHT
3	25	ACROMION HT - SITTING	ACROMIAL HEIGHT, SIT
4	39	ACROMION-RADIALE LNTH	
5	58	ANKLE CIRC	
6	90	AXILLA HT	
7	70	ARM CIRC-AXILLARY	AXILLARY ARM CIRC
8	358	FOOT CIRC	BALL OF FOOT CIRC
9	496	INSTEP LNTH	BALL OF FOOT LENGTH
10	103	BIACROMIAL BRTH	
11	77	ARM CIRC-BICEPS FLEXED	BICEPS CIRC, FLEXED
12	122	BIDELTOID BRTH	
13	134	BIMALLEOLAR BRTH	
14	140	BISPINOUS BRTH	
15	150	BITRAGION-MENTON ARC	BITRAGION CHIN ARC
16	144	BITRAGION-CORONAL ARC	
17	146	BITRAGION-CRINION ARC	
18	152	BITRAGION-MINIMUM FRONTAL ARC	BITRAGION-FRONTAL ARC
19	156	BITRAGION-SUBMANDIBULAR ARC	
20	158	BITRAGION-SUBNASALE ARC	
21	165	BIZYGOMATIC BRTH	
22	172	BUSTPOINT TO BUSTPOINT BRTH	BUSTPOINT/THELION TO BUSTPOINT/THELION BRTH
23	178	BUTTOCK CIRC	
24	186	BUTTOCK DEPTH	
25	188	BUTTOCK HT	
26	194	BUTTOCK-KNEE LNTH	
27	200	BUTTOCK-POPLITEAL LNTH	
28	207	CALF CIRC	
29	215	CALF HT	
30	219	CERVICALE HT	
31	220	CERVICALE HT-SITTING	
32	223	CHEST BRTH	
33	230	CHEST CIRC	
34	231	CHEST CIRC-AT SCYE	
35	232	CHEST CIRC-BELOW BUST	
36	236	CHEST DEPTH	
37	237	CHEST HT	
38	249	CROTCH HT	

VAR #	CODE	VARIABLE NAME	ALIAS
39	252	CROTCH LNTH-UMBILICUS	CROTCH LENGTH, OMPHALION
40	251	CROTCH LNTH (NATURAL WAIST)	CROTCH LENGTH, NATURAL IND
41	253	CROTCH LNTH-POSTERIOR-NATURAL	
42	254	CROTCH LNTH-POSTERIOR-OMPHALION	
43	277	EAR BRTH	
44	280	EAR LNTH	
45	282	EAR LNTH-ABOVE TRAGION	
46	285	EAR PROTRUSION	
47	303	ELBOW CIRC-EXTENDED	ELBOW CIRC
48	312	ELBOW REST HT	
49	330	EYE HT-SITTING	
50	356	FOOT BRTH	FOOT BREADTH HORIZONTAL
51	362	FOOT LNTH	
52	371	FOREARM CIRC-FLEXED	
53	378	FOREARM TO FOREARM BRTH	
54	375	FOREARM-HAND LENTH	
55	386	FUNCTIONAL LEG LNTH	
56	398	GLUTEAL FURROW HT	
57	411	HAND BRTH AT METACARPALE	HAND BREADTH
58	416	HAND CIRC AT METACARPALE	HAND CIRC
59	420	HAND LNTH	
60	427	HEAD BRTH	
61	430	HEAD CIRC	
62	441	HEAD LNTH	
63	445	HEEL ANKLE CIRC	
64	450	HEEL BRTH	
65	457	HIP BRTH	
66	459	HIP BRTH-SITTING	
67	489	ILOCRISTALE HT	
68	503	INTERPUPILLARY DIST	
69	506	INTERSCYE DIST	INTERSCYE 1
70	508	INTERSCYE DIST-MID	INTERSCYE 2
71	515	KNEE CIRC	
72	665	PATELLA-MID HT	KNEE HEIGHT MIDPATELLA
73	529	KNEE HT - SITTING	
74	542	LATERAL FEMORAL EPICONDYLE HT	
75	543	LATERAL-MALLEOUS HT	
76	851	THIGH CIRC-DISTAL	LOWER THIGH CIRC
77	586	MENTON TO NASAL ROOT DEP LNTH	MENTON-SELLION LENGTH
78	612	MIDSHOULDER HT-SITTING	
79	648	NECK TO BUSTPOINT LNTH	NECK-BUSTPOINT/THELLION LGT
80	639	NECK CIRC-OVER LARYNX	NECK CIRC
81	636	NECK CIRC-BASE	
82	641	NECK HT-LATERAL	
83	653	OVERHEAD REACH	OVERHEAD FINGERTIP REACH
84	656	OVERHEAD REACH-EXTENDED	OVERHEAD FINGERTIP RCH, EXT

VAR #	CODE	VARIABLE NAME	ALIAS
85	654	OVERHEAD REACH SITTING	OVERHEAD FINGERTIP RCH, SIT
86	678	POPLITEAL HT-SITTING	POPLITEAL HEIGHT
87	698	RADIALE-STYLION LNTH	
88	732	SCYE CIRC-OVER ACROMION	SCYE CIRC
89	737	SCYE DEPTH	
90	747	SHOULDER CIRC	
91	751	SHOULDER-ELBOW LNTH	
92	754	SHOULDER LNTH	
93	758	SITTING HT	
94	802	SPINE TO ELBOW LNTH (SL)	SLEEVE LENGTH SPINE-ELBOW
95	803	SPINE TO SCYE LNTH (SL)	SLEEVE LENGTH SPINE-SCYE
96	804	SPINE TO WRIST LNTH (SL)	SLEEVE LENGTH SPINE-WRIST
97	797	SLEEVE-OUTSEAM LNTH	
98	799	SPAN	
99	805	STATURE	
100	821	STRAP LNTH	
101	841	SUPRASTERNALE HT	
102	850	TENTH RIB	
103	852	THIGH CIRC-PROXIMAL	THIGH CIRC
104	856	THIGH CLEARANCE	
105	862	THUMB BRTH	
106	867	THUMB-TIP REACH	
107	894	TROCHANTERION HT	
109	916	VERTICAL TRUNK CIRC	VERTICAL TRUNK CIRC (USA)
110	919	WAIST BACK LNTH-NATURAL	
111	921	WAIST BACK LNTH-OMPHALION	
112	928	WAIST BRTH-OMPHALION	WAIST BREADTH
113	931	WAIST CIRC - NATURAL	
114	932	WAIST CIRC-OMPHALION	
115	943	WAIST DEPTH-OMPHALION	WAIST DEPTH
116	945	WAIST FRONT LNTH-NATURAL	
117	946	WAIST FRONT LNTH-OMPHALION	
118	949	WAIST HT-NATURAL	
119	950	WAIST HT-OMPHALION	
120	951	WAIST HT-NATURAL-SITTING	WAIST HEIGHT SITTING, NI
121	952	WAIST HT-UMBILICUS-SITTING	WAIST HEIGHT SITTING, OM
122	947	WAIST HIP LNTH	
123	954	WAIST NATURAL TO WAIST UMBILICUS	
124	957	WEIGHT	
125	976	WRIST TO CENTER OF GRIP LNTH	
126	970	WRIST CIRC-STYLION	WRIST CIRC
127	973	WRIST HT	
128	974	WRIST HT-SITTING	
129	977	WRIST TO INDEX FINGER LNTH	
130	978	WRIST TO THUMB TIP LNTH	
131	979	WRIST TO WALL LNTH	

VAR #	CODE	VARIABLE NAME	ALIAS
132	980	WRIST TO WALL LNTH-EXTENDED	
258	1239	MONTH MEASURED-ANSUR88	
259	1240	DAY MEASURED-ANSUR88	
260	1241	YEAR MEASURED-ANSUR88	
261	1242	UNIT-ANSUR88	
262	1243	WAS SUBJ MEASURED-ANSUR88	
263	1244	GENDER	SEX
264	1245	MILITARY COMPONENT	
265	1246	MILITARY PERSONNEL CLASS	MILPER CLASS
266	1247	HANDEDNESS, WEAPON-ANSUR88	
267	1248	WEAPON SITTING-ANSUR88	
268	1005	HANDEDNESS	HANDEDNESS, WRITING
269	1250	GLASSES-ANSUR88	
270	1251	RANK-ANSUR88	
271	1252	GRADE-ANSUR88	
272	1253	YEARS SERVED-ANSUR88	
273	1254	MONTHS SERVED-ANSUR88	
274	1255	AGE-ANSUR88	
275	1256	BIRTH MONTH-ANSUR88	
276	1257	BIRTH DAY-ANSUR88	
277	1258	BIRTH YEAR-ANSUR88	
278	1259	ESTIMATED HT, FEET-ANSUR88	
279	1260	ESTIMATED HT, INCHES-ANSUR88	
280	1261	ESTIMATED WEIGHT, LBS-ANSUR88	
281	1262	RACE OF SUBJECT-ANSUR88	
282	1263	RACE OF MOTHER-ANSUR88	
283	1264	RACE OF FATHER-ANSUR88	
284	1265	ETHNICITY OF SUBJECT-ANSUR88	
285	1266	ETHNICITY OF MOTHER-ANSUR88	
286	1267	ETHNICITY OF FATHER-ANSUR88	
287	1268	BIRTH PLACE OF SUBJECT-ANSUR88	
288	1269	BIRTH PLACE OF MOTHER-ANSUR88	
289	1270	BIRTH PLACE OF FATHER-ANSUR88	
290	1271	PRIMARY MOS - ANSUR88	
291	1272	SECONDARY MOS - ANSUR88	