

2007

The Hispanic Origin Identification Algorithm (HOIA)

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CODE LIST

A =HISPANIC ORIGIN FROM THE CANCER REGISTRY DATABASE (NAACCR DATA ITEM 190)

SEE SPANISH HISPANIC/ORIGIN CODE LIST IN APPENDIX.

B= HISPANIC ORIGIN FROM THE DEATH CERTIFICATE

0=NOT HISPANIC
1=MEXICAN
2=PUERTO RICAN
3=CUBAN
4=SOUTH AND CENTRAL AMERICAN
5=OTHER AND UNKNOWN HISPANIC
6=HAITIAN
9=UNKNOWN OR MISSING

C= PLACE OF BIRTH FROM THE DEATH CERTIFICATE

SEE APPENDIX B –GEOCODES LIST IN APPENDIX

D= PLACE OF BIRTH FROM THE CANCER REGISTRY DATABASE (NAACCR DATA ITEM 250)

SEE APPENDIX B –GEOCODES LIST IN APPENDIX

H= HISPANIC NAME (H=1 means Hispanic name; H=0 means non-Hispanic name).

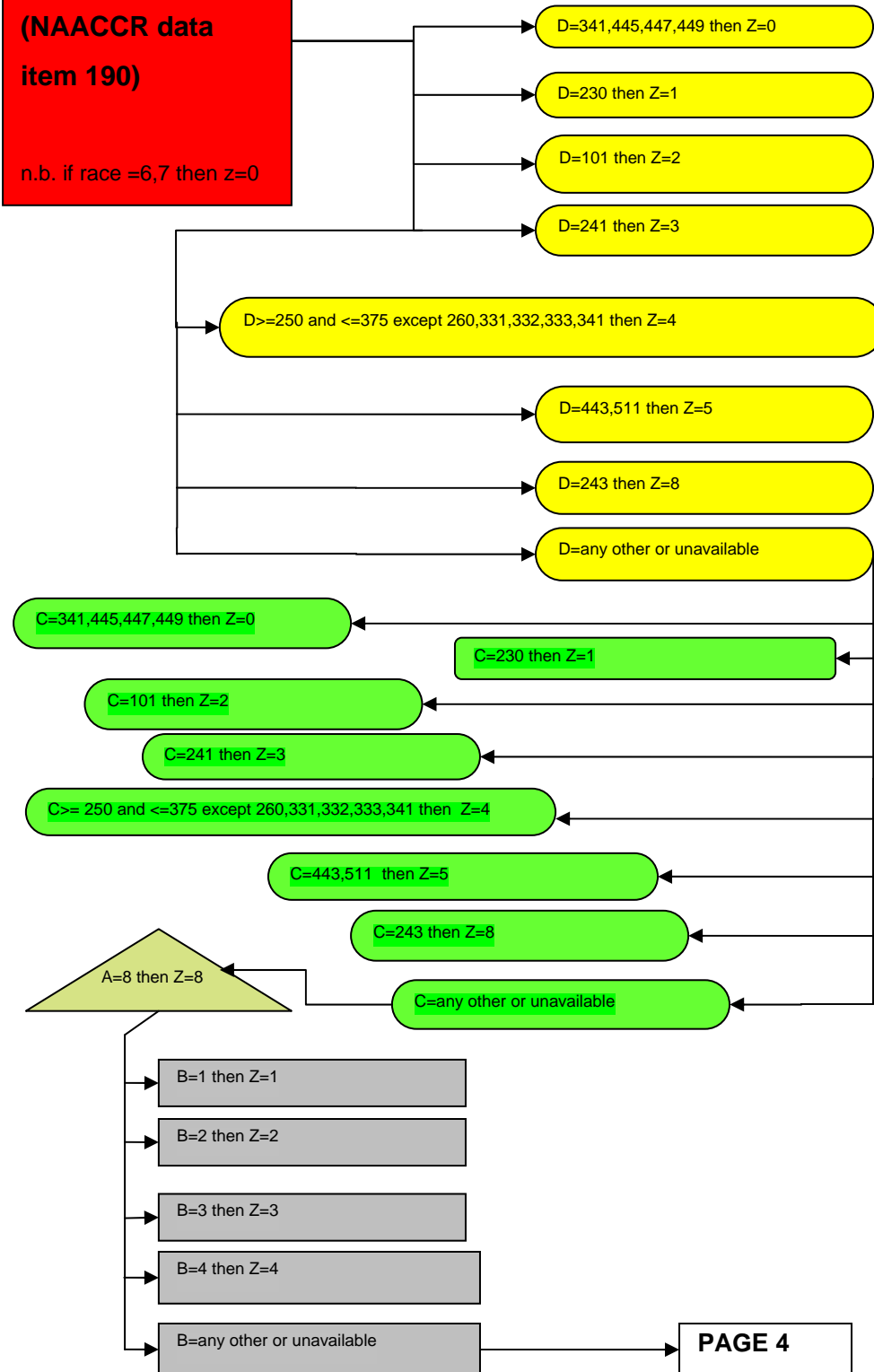
Z= HISPANIC ORIGIN AFTER RUNNING THE ALGORITHM

SEE SPANISH HISPANIC/ORIGIN CODE LIST BELOW (Z CODES ARE THE SAME AS NAACCR DATA ITEM 190). AFTER RUNNING THE PRESENT ALGORITHM ONLY CODES 0,1,2,3,4,5,6 AND 8 WILL BE POSSIBLE. CODES 7 AND 9 ARE NOT POSSIBLE RESULTS OF THE ALGORITHM

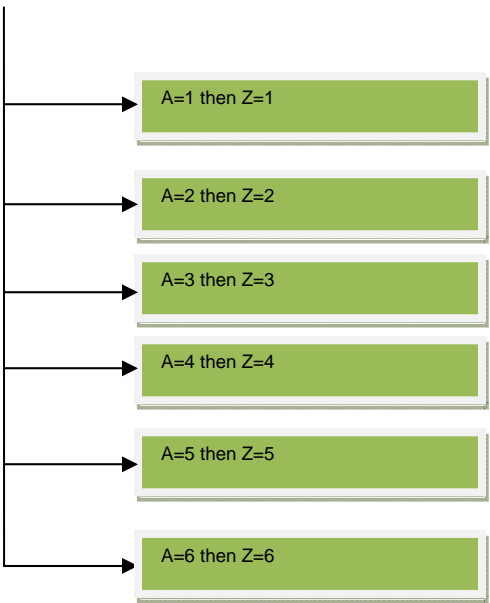
reference: NAACCR Latino Research Work Group. *NAACCR Guideline for Enhancing Hispanic/Latino Identification: Revised NAACCR Hispanic/Latino Identification Algorithm [NHIA v2]*. Springfield (IL):North American Association of Central Cancer Registries. September 2005.

FCDS ETHNICITY
=1,2,3,4,5,6,8
(NAACCR data
item 190)
 n.b. if race =6,7 then z=0

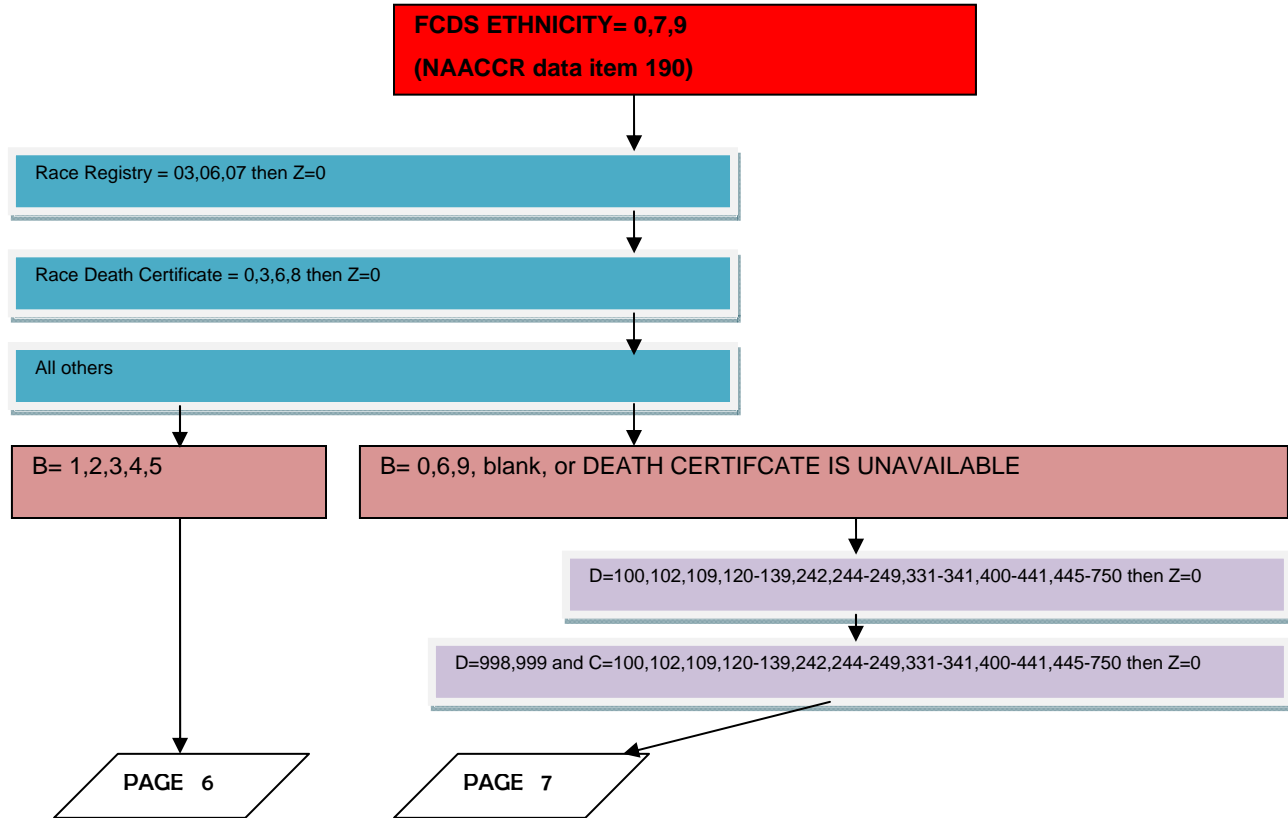
DIRECT IDENTIFICATION BRANCH

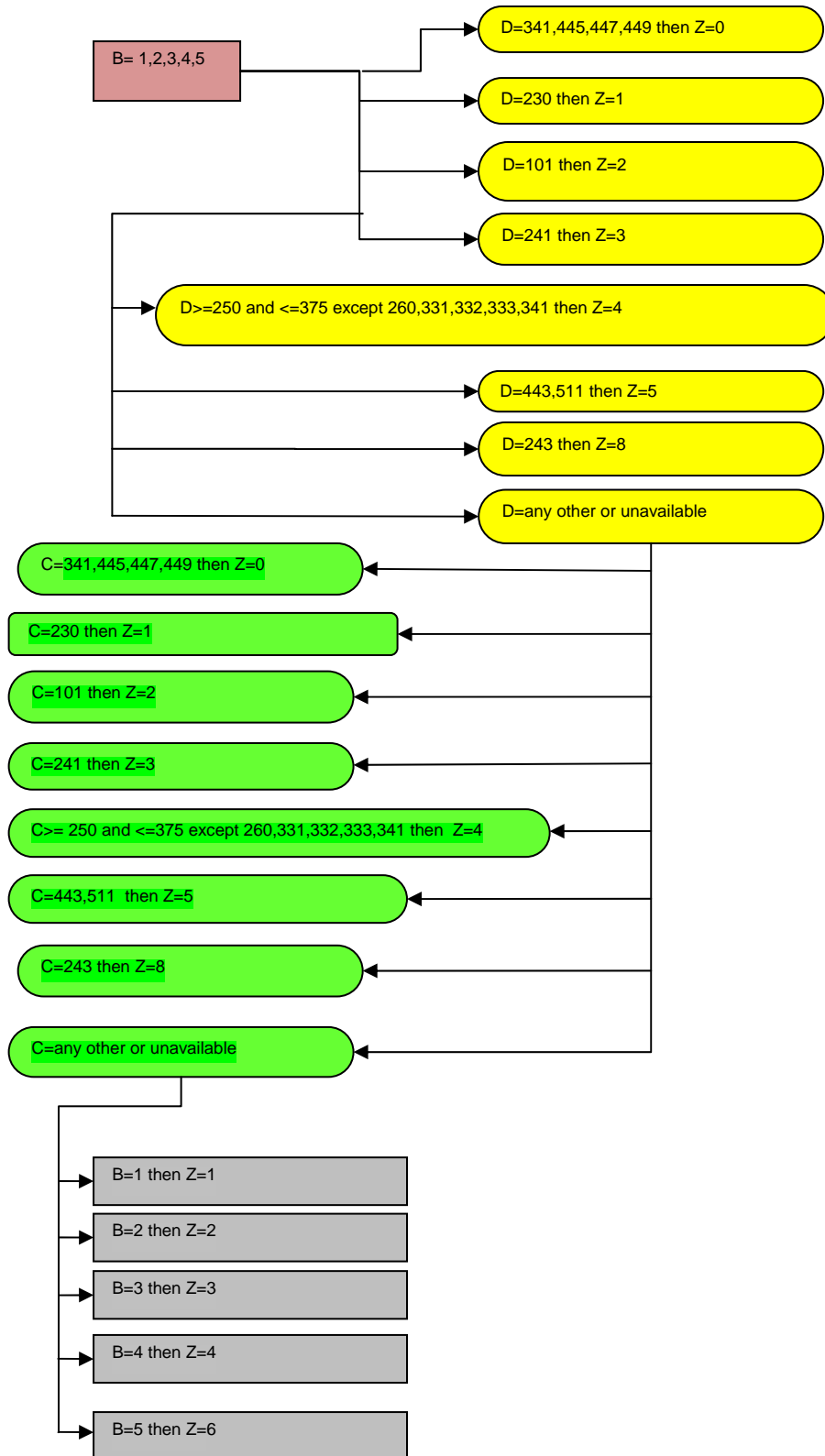


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INDIRECT IDENTIFICATION BRANCH







Note 1.

For females exclude Maiden names if:

- They are a single letter only

Or if they equal:

- NA
- NR
- NONE
- UNK
- NOS
- UNKNOWN
- JR
- MA
- UNKN
- ANA
- NS
- NAA
- MRS
- NA (with a blank space after a)
- UKNOWN
- SR
- MR
- UK
- UNKOWN
- REGISTER
- NOT LISTED
- MS
- BA
- UNKNWON
- UKN

APPENDIX TO THE HISPANIC ORIGIN IDENTIFICATION ALGORITHM

RACE 1, RACE 2, RACE 3, RACE 4, RACE 5

Alternate Name	NAACCR Item #	Length	Type	Source of Standard	Column #
Race 1	160	2	Numeric	SEER/COC	103-104
Race 2	161	2	Numeric	SEER/COC	105-106
Race 3	162	2	Numeric	SEER/COC	107-108
Race 4	163	2	Numeric	SEER/COC	109-110
Race 5	164	2	Numeric	SEER/COC	111-112

Refer to the Race Coding Instructions Supplement and to Appendix D (Race and Nationality Descriptions from the 2000 Census and Bureau of Vital Statistics) for guidance. Adopted from the SEER Coding and Staging Manual 2004.

Code	Definition	Code	Definition
01	White	20	Micronesian, NOS
02	Black	21	Chamorroan
03	American Indian, Aleutian, Alaskan Native or Eskimo (includes all indigenous populations of the Western hemisphere)	22	Guamanian, NOS
04	Chinese	25	Polynesian, NOS
05	Japanese	26	Tahitian
06	Filipino	27	Samoaan
07	Hawaiian	28	Tongan
08	Korean	30	Melanesian, NOS
09	Asian Indian, Pakistani	31	Fiji Islanders
10	Vietnamese	32	New Guinean
11	Laotian	96	Other Asian, including Asian, NOS and Oriental, NOS
12	Hmong	97	Pacific Islander, NOS
13	Kampuchean	98	Other
14	Thai	99	Unknown

SPANISH/ HISPANIC ORIGIN

Alternate Name	NAACCR Item #	Length	Type	Source of Standard	Column #
Spanish Origin – All Sources (96 COC) Spanish Surname or Origin (SEER)	190	1	Numeric	SEER/COC	115-115

Enter the patient's designated Spanish or Hispanic origin. This term identifies persons of Spanish/Hispanic surname or ethnicity. (See Appendix E for a list of Spanish surnames and for instructions for using the list to determine ethnicity) Accurate determination of Hispanic ethnicity is important for purposes for calculating cancer rates for Hispanics. All records for a patient should contain the same code.

Persons of Spanish or Hispanic origin may be of any race, but these categories are generally not used for Native American, Filipinos, etc., who may have Spanish names. The use of code 9 is discouraged. If the medical record does not indicate Hispanic ethnicity and the name does not appear in Appendix E, code 0 non-Hispanic.

If a patient has a Hispanic name but there is reason to believe they are not Hispanic (e.g. the patient is Filipino, or the patient is a woman known to be non-Hispanic who has a Hispanic married name) the code in this field should be 0, Non-Spanish, Non- Hispanic.

Code	Definition
0	Non-Spanish; non-Hispanic (including Portuguese and Brazilian)
1	Mexican (includes Chicano)
2	Puerto Rican
3	Cuban
4	South or Central American (except Brazil)
5	Other specified Spanish/Hispanic origin (includes European; excludes Dominican Republic)
6	Spanish, NOS; Hispanic, NOS; Latino, NOS (There is evidence other than surname or maiden name that the person is Hispanic, but he/she cannot be assigned to any category of 1-5.)
7	Spanish surname only (The only evidence of the person's Hispanic origin is surname or maiden name and there is no contrary evidence that the person is not Hispanic.)
8	Dominican Republic
9	Unknown whether Spanish or not

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

CONTINENTAL UNITED STATES AND HAWAII

000	United States	050	Northern Midwest States
001	New England and New Jersey	051	Wisconsin
002	Maine	052	Minnesota
003	New Hampshire	053	Iowa
004	Vermont	054	North Dakota
005	Massachusetts	055	South Dakota
006	Rhode Island	056	Montana
007	Connecticut	060	Central Midwest States
008	New Jersey	061	Illinois
010	North Mid-Atlantic States	063	Missouri
011	New York	065	Kansas
014	Pennsylvania	067	Nebraska
017	Delaware	070	Southern Midwest States
020	South Mid-Atlantic States	071	Arkansas
021	Maryland	073	Louisiana
022	District of Columbia	075	Oklahoma
023	Virginia	077	Texas
024	West Virginia	080	Mountain States
025	North Carolina	081	Idaho
026	South Carolina	082	Wyoming
030	Southeastern States	083	Colorado
031	Tennessee	084	Utah
033	Georgia	085	Nevada
035	Florida	086	New Mexico
037	Alabama	087	Arizona
039	Mississippi	090	Pacific Coast States
040	North Central States	091	Alaska
041	Michigan	093	Washington
043	Ohio	095	Oregon
045	Indiana	097	California
047	Kentucky	099	Hawaii

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

UNITED STATES POSSESSIONS

When SEER geocodes were originally assigned during the 1970s, the United States owned or controlled islands in the Pacific. Since then many of these islands have either been given their independence or had control turned over to another country. In order to maintain consistent information over time, these islands are still to be coded to the original codes. Earlier designations are listed in parentheses

100	Atlantic/Caribbean Area
101	Puerto Rico
102	U.S. Virgin Islands
109	Other Atlantic/Caribbean Area
110	Canal Zone
120	Pacific Area
121	American Samoa
122	Kiribati (Canton and Enderbury Islands, Gilbert Islands, Southern Line Islands, Phoenix Islands)
123	Micronesia [Federated States of] (Caroline Islands, Trust Territory of Pacific Islands)
124	Cook Islands (New Zealand)
125	Tuvalu (Ellice Islands)
126	Guam
127	Johnston Atoll
129	Mariana Islands (Trust Territory of Pacific Islands)
131	Marshall Islands (Trust Territory Pacific Islands)
132	Midway Islands
133	Nampo-Shoto, Southern
134	Ryukyu Islands (Japan)
135	Swan Islands
136	Tokelau Islands (New Zealand)
137	Wake Island
139	Palau (Trust Territory of Pacific Islands)

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

**NORTH AND SOUTH AMERICA,
EXCLUSIVE OF THE UNITED STATES AND ITS POSSESSIONS**

210	Greenland		Trinidad and Tobago
			Turks and Caicos
220	Canada		Antilles, NOS
221	Labrador		British West Indies, NOS
	Maritime provinces		Caribbean, NOS
	New Brunswick		Leeward Islands, NOS
	Newfoundland and Labrador		West Indies, NOS
	Nova Scotia		Windward Islands, NOS
	Prince Edward Island	246	Bermuda
222	Quebec	247	Bahamas
		249	St. Pierre and Miquelon
223	Ontario		
224	Prairie provinces	250	Central America
	Alberta	251	Guatemala
	Manitoba	252	Belize (British Honduras)
	Saskatchewan	253	Honduras
225	Northwest Territories	254	El Salvador
	Yukon Territory	255	Nicaragua
226	British Columbia	256	Costa Rica
227	Nunavut (Nunavut became an official Territory of Canada on April 1, 1999)	257	Panama
230	Mexico	260	North America, NOS
240	North American Islands	265	Latin America, NOS
241	Cuba	300	South America, NOS
242	Haiti	311	Colombia
243	Dominican Republic	321	Venezuela
244	Jamaica	331	Guyana (British Guiana)
245	Other Caribbean Islands	332	Suriname (Dutch Guiana)
	Anguilla	333	French Guiana
	Antigua and Barbuda	341	Brazil
	Barbados	345	Ecuador
	British Virgin Islands	351	Peru
	Cayman Islands	355	Bolivia
	Dominica	361	Chile
	Grenada	365	Argentina
	Guadeloupe	371	Paraguay
	Martinique	375	Uruguay
	Montserrat		
	Netherlands Antilles	380	South American Islands
	St. Kitts and Nevis	381	Falkland Islands
	St. Lucia		
	St. Vincent and the Grenadines		

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

EUROPE

former or alternative names are in parentheses

Europe, NOS (See code 499) *

* *Effective cases diagnosed 1/1/92.*

<p>400 United Kingdom, NOS</p> <p>401 England Channel Islands Isle of Man</p> <p>402 Wales</p> <p>403 Scotland</p> <p>404 Northern Ireland (Ulster)</p> <p>410 Ireland (Eire) Ireland, NOS Republic of Ireland</p> <p>420 Scandinavia</p> <p>Lapland, NOS</p> <p>421 Iceland</p> <p>423 Norway Svalbard Jan Mayen</p> <p>425 Denmark Faroe Islands</p> <p>427 Sweden</p> <p>429 Finland</p> <p>430 Germanic countries</p> <p>431 Germany (East Germany including East Berlin) (West Germany including West Berlin)</p> <p>432 Netherlands</p> <p>433 Belgium</p> <p>434 Luxembourg</p> <p>435 Switzerland</p> <p>436 Austria</p> <p>437 Liechtenstein</p> <p>440 Romance-language countries</p> <p>441 France Corsica Monaco</p> <p>443 Spain Andorra Balearic Islands Canary Islands</p> <p>445 Portugal Azores Cape Verde Islands Madeira Islands</p>	<p>447 Italy San Marino Sardinia Sicily Vatican City (Holy See)</p> <p>449 Romania</p> <p>450 Slavic countries</p> <p>451 Poland</p> <p>452 (former) Czechoslovakia region Bohemia Czech Republic Moravia Slovak Republic Slovakia</p> <p>453 (former) Yugoslavia region Bosnia-Herzegovina Croatia Dalmatia Montenegro Macedonia Serbia Slavonia Slovenia</p> <p>454 Bulgaria</p> <p>455 Russia Russian Federation (former) U.S.S.R. Russia, NOS (Russian S.F.S.R.)</p> <p>456 Ukraine and Moldavia (Bessarabia) Moldavia (Moldavian S.S.R.) (Ukrainian S S R)</p> <p>457 Belarus (Byelorussian S.S.R.) (White Russia)</p> <p>458 Estonia (Estonian S.S.R.)</p> <p>459 Latvia (Latvian S.S.R.)</p> <p>461 Lithuania (Lithuanian S.S.R.)</p> <p>463 Baltic Republic(s), NOS (Baltic States, NOS)</p> <p>470 Other mainland Europe</p> <p>471 Greece</p>
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APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

EUROPE - Cont.

475	Hungary
481	Albania
485	Gibraltar
490	Other Mediterranean islands
491	Malta
495	Cyprus
499	Europe, NOS*
	Central Europe, NOS
	Eastern Europe, NOS
	Northern Europe, NOS
	Southern Europe, NOS
	Western Europe, NOS

* Effective cases diagnosed 1/1/92.

AFRICA

500	Africa, NOS
	Central Africa, NOS
	Equatorial Africa, NOS
510	North Africa, NOS
511	Morocco
513	Algeria
515	Tunisia
517	Libya
	(Cyrenaica)
	(Tripoli)
	(Tripolitania)
519	Egypt (United Arab Republic)
520	Sudanese countries
	Burkina Faso (Upper Volta)
	Chad
	Mali
	Mauritania
	Niger
	Sudan (Anglo-Egyptian Sudan)
	Western (Spanish) Sahara
530	West Africa, NOS
	French West Africa, NOS
531	Nigeria
539	Other West African Countries
	Benin (Dahomey)
	Cameroon (Kameroun)
	Central African Republic
	(French Equatorial Africa)
	Cote d'Ivoire (Ivory Coast)

AFRICA- Cont.

	Congo (Congo-Brazzaville,
	French
	Congo)
	Equatorial Guinea (Spanish
	Guinea) (Bioko {Fernando
	Poo}, Rio Muni)
	Gambia
	Gabon
	Ghana
	Guinea
	Guinea Bissau (Portuguese
	Guinea)
	Liberia
	Senegal
	Sierra Leone
	Togo
540	South Africa, NOS
541	Zaire (Congo-Lecpoldville,
	Belgian Congo, Congo/
	Kinshasa)
543	Angole (Sao Tome, Principe,
	Cabinda)
545	Republic of South Africa
	(Bophuthatswana, Cape
	Colony, Ciskei, Natal, Free
	State {Orange Free State},
	Transkei, Transvaal, Venda),
	Botswana (Bechuanaland)
	Lesotho (Basutoland), Namibia
	(South West Africa)
	Swaziland
547	Zimbabwe (Rhodesia, Southern
	Rhodesia)
549	Zambia (Northern Rhodesia)
551	Malawi (Nyasaland)
553	Mozambique
555	Madagascar (Malagasy
	Republic)
570	East Africa
571	Tanzania (Tanganyika,
	Tanzanyika, Zanzibar)
573	Uganda
575	Kenya
577	Rwanda (Ruanda)
579	Burundi (Urundi)
581	Somalia (Somali Republic,
	Somaliland)
583	Djibouti (French Territory of the
	Afars and Issas, French
	Somaliland)
585	Ethiopia (Abyssinia)Eritrea

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

AFRICA- Cont.

- 580 African Coastal Islands (previously included in 540)
 Comoros
 Mauritius
 Mayotte
 Reunion
 Seychelles

** Effective cases diagnosed 1/1/92*

ASIA

- 600 Asia, NOS*
- 610 Near East
 Mesopotamia, NOS
- 611 Turkey
 Anatolia
 Asia Minor, NOS
- 620 Asian Arab Countries
 Iraq-Saudi Arabia Neutral Zone
- 621 Syria
 623 Lebanon
 625 Jordan (Transjordan, former Arab Palestine)
- 627 Iraq
 629 Arabian Peninsula
 Bahrain
 Kuwait
 Oman and Muscat
 Persian Gulf States, NOS
 Qatar
 Saudi Arabia
 United Arab Emirates (Trucial States)
 Yemen (Aden, People's Democratic Republic of Yemen, Southern Yemen)
- 631 Israel and former Jewish Palestine
 Gaza
 Palestine, NOS
 Palestine (Palestinian National Authority--PNA)
 West Bank
- 633 Caucasian Republics of the former U.S.S.R.
 Armenia
 Azerbaijan (Nagorno-Karabakh)
 Georgia

ASIA – Cont.

- 634 Other Asian Republics of the former U.S.S.R.
 Kazakhstan (Kazakh S.S.R.)
 Kyrgyzstan (Kirghiz S.S.R.,
 Kyrgyz)
 Tajikistan (Tadzhik S.S.R.)
 Turkmenistan (Turkmen S.S.R.)
 Uzbekistan (Uzbek S.S.R.)
- 637 Iran (Persia)
 638 Afghanistan
 639 Pakistan (West Pakistan)
 640 Mid-East Asia, NOS
 Maldives
- 641 India, Andaman Islands
 643 Nepal, Bhutan, Sikkim
 645 Bangladesh (East Pakistan)
 647 Sri Lanka (Ceylon)
 649 Myanmar (Burma)
- 650 Southeast Asia
 651 Thailand (Siam)
- 660 Indochina
 661 Laos
 663 Cambodia, Kampuchea
 665 Vietnam (Tonkin, Annam, Cochinchina)
- 671 Malaysia, Singapore, Brunei
 673 Indonesia (Dutch East Indies)
 675 Philippines (Philippine Islands)
- 680 East Asia
 681 China, NOS
 682 China (People's Republic of China)
 683 Hong Kong
 684 Taiwan (Formosa, Republic of China)
 685 Tibet
 686 Macao (Macau)
 691 Mongolia
 693 Japan
 695 Korea
 North Korea
 South Korea

**Effective cases diagnosed 1/1/92.*

AUSTRALIA AND OCEANIA

- 711 Australia and Australian New Guinea
 715 New Zealand
 Niue
 720 Pacific Islands

APPENDIX B
SEER GEOCODES FOR CODING PLACE OF BIRTH AND RESIDENCE

AUSTRALIA AND OCEANIA- Cont.

Oceania, NOS
Polynesia, NOS
721 Melanesian Islands
Solomon Islands
Fiji
Fotuna
New Hebrides
Vanuatu
Wallis
723 Micronesian Islands
725 Polynesian Islands
750 Antarctica

~ Except possessions of the U.S.A.

PLACE OF BIRTH UNKNOWN

998 Place of Birth stated not to be in United States, but no other information available
999 Place of Birth unknown

References: *CIA World Factbook*, 1995. U.S. Bureau of the Census Place of Birth Technical Documentation, 1997

ALPHABETICAL LISTING

* Effective cases diagnosed 1/1/92.

A

585 Abyssinia
629 Aden
583 Afars and Issas
638 Afghanistan
500 Africa
570 Africa, East
510 Africa, North
540 Africa, South
545 Africa, South West
530 Africa, West
580 African Coastal Islands (previously included in 540)
037 Alabama
091 Alaska
481 Albania
224 Alberta
513 Algeria250 America, Central
260 America, North
(see also North America)
300 America, South
121 American Samoa
611 Anatolia
641 Andaman Islands
443 Andorra
543 Angola

245 Anguilla
665 Annam
750 Antarctica
245 Antigua
245 Antilles, NOS
245 Antilles, Netherlands
625 Arab Palestine
629 Arabia, Saudi
629 Arabian Peninsula
365 Argentina
087 Arizona
071 Arkansas
633 Armenia (U.S.S.R.)
611 Armenia (Turkey)
750 Antarctica
245 Aruba
600 Asia, NOS*
680 Asia, East
640 Asia, Mid-East
610 Asia Minor, NOS
610 Asia, Near-East
650 Asia, Southeast
634 Asian Republics of the former U.S.S.R.
620 Asian Arab countries
100 Atlantic/Caribbean area, U.S. possessions
109 Atlantic/Caribbean area, other U.S. possessions
711 Australia
711 Australian New Guinea
436 Austria
633 Azerbaijan
633 Azerbaizhan S.S.R.
445 Azores

B

247 Bahamas
629 Bahrain
443 Balearic islands
463 Baltic Republic, NOS
463 Baltic States, NOS
645 Bangladesh
245 Barbados
245 Barbuda
431 Bavaria
545 Basutoland
545 Bechuanaland
457 Belarus
541 Belgian Congo
433 Belgium
252 Belize
539 Benin
246 Bermuda
456 Bessarabia
643 Bhutan
539 Bioko (Fernando Poo)
452 Bohemia
355 Bolivia