California Volume I: Appendices

Table Of Contents

Appendices: Volume 1 1

APPENDIX A 1

APPENDIX B 3

APPENDIX C 5

APPENDIX D.1 7

APPENDIX D.2 18

APPENDIX E 28

APPENDIX F 30

APPENDIX G.1 31

APPENDIX G.2 34

APPENDIX H 37

APPENDIX J 64

APPENDIX K 65

APPENDIX L.1 67

APPENDIX L.2 68

APPENDIX M.1 69

APPENDIX M.2 76

APPENDIX N 85

Appendix O: Spanish Surnames 87

Appendix Q: Surgery Codes 146

Appendix S: DSQC Memos 246

APPENDIX T 307

APPENDIX U 308

Appendix V: Brain and CNS Site/Histology Listing 315

Appendix W: Race and Nationality Descriptions 342

Appendices: Volume 1

APPENDIX A

NEW HISTOLOGY CODES FOR LYMPHOMAS AND LEUKEMIAS

NEW LYMPHOMA TERMS. *Effective for cases diagnosed January 1, 1995, and after.*

ICD-O Code	Term
9673/3	Mantle cell lymphoma (*)
9688/3	T-cell rich B-cell lymphoma
9708/3	Subcutaneous panniculitic T-cell lymphoma
9710/3	Marginal zone lymphoma, NOS
9714/3	Anaplastic large cell lymphoma (ALCL), CD30+ (*)
9715/3	Mucosal-Associated Lymphoid Tissue (MALT) lymphoma
9716/3	Hepatosplenic γδ (gamma - delta) cell lymphoma
9717/3	Intestinal T-cell lymphoma Enteropathy associated T-cell lymphoma

(*) new term(s) for an existing number

NEW LEUKEMIA TERMS. *Effective for cases diagnosed January 1, 1998, and after.*

The following rules are to be used. They are in priority order:

1. Code the FAB (French-American-British) classification. FAB is implied if the description includes "L" or "M" with a number such as "L2" or M5". If more than one FAB classification is listed, use the NOS code. Example:

   Path: "Acute myelogenous leukemia, probably M1 or M2...."

   Code to 9861/3, Acute myeloid leukemia, NOS

2. If the diagnostic statement lists a specific acute leukemia cell type, code that term. If more than one term is listed, use rules in ICD-O-2.

In addition to these rules, the following information will assist in assigning codes:

- "Maturation" and "differentiation" are synonymous.
- Code "acute non-lymphocytic leukemia" as 9861/3, acute myelogenous leukemia, NOS.
- Code "acute biphenotypic leukemia" or "mixed lineage leukemias" to 9801/3, acute leukemia, NOS.
- Terms equivalent to granulocytic are: myeloblastic, myelocytic, myelogenous, myeloid, non-lymphocytic.
- Terms equivalent to lymphocytic are: lymphoblastic, lymphoid, lymphatic.

ICD-O Code	Term
9821/3	Acute lymphoblastic leukemia, L1 type (*) Acute lymphocytic leukemia, L1 type (*) Acute lymphoid leukemia, L1 type (*) Acute lymphatic leukemia, L1 type (*)

	Lymphoblastic leukemia, L1 type (*) FAB L1 (*)
9826/3	FAB L3 (*)
9828/3	Acute lymphoblastic leukemia, L2 type Acute lymphocytic leukemia, L2 type Acute lymphoid leukemia, L2 type Acute lymphatic leukemia, L2 type Lymphoblastic leukemia, L2 type FAB L2
9840/3	FAB M6 (*)
9861/3	Acute myeloid leukemia, NOS (*) Acute myeloblastic leukemia, NOS (*) Acute granulocytic leukemia, NOS (*) Acute myelogenous leukemia, NOS (*) Acute myelocytic leukemia, NOS (*)
9866/3	FAB M3 (*)
9867/3	Acute myelomonocytic leukemia, NOS (*) FAB M4 (*)
9871/3	Acute myelomonocytic leukemia with eosinophils FAB M4E
9872/3	Acute myeloid leukemia, minimal differentiation Acute myeloblastic leukemia, minimal differentiation Acute granulocytic leukemia, minimal differentiation Acute myelogenous leukemia, minimal differentiation Acute myelocytic leukemia, minimal differentiation FAB M0
9873/3	Acute myeloid leukemia without maturation Acute myeloblastic leukemia without maturation Acute granulocytic leukemia, without maturation Acute myelogenous leukemia, without maturation Acute myelocytic leukemia, without maturation FAB M1
9874/3	Acute myeloid leukemia with maturation Acute myeloblastic leukemia with maturation Acute granulocytic leukemia, with maturation Acute myelogenous leukemia, with maturation Acute myelocytic leukemia, with maturation FAB M2
9891/3	FAB M5 (*) FAB M5A (*) FAB M5B (*)
9910/3	Megakaryoblastic leukemia, NOS (C42.1) FAB M7

(*) new term(s) for an existing number

APPENDIX B

POSTAL ABBREVIATIONS FOR STATES AND TERRITORIES OF THE UNITED STATES

AL	ALABAMA	NH	NEW HAMPSHIRE
AK	ALASKA	NJ	NEW JERSEY
AS	AMERICAN SAMOA	NM	NEW MEXICO
AZ	ARIZONA	NY	NEW YORK
AR	ARKANSAS	NC	NORTH CAROLINA
CA	CALIFORNIA	ND	NORTH DAKOTA
CO	COLORADO	MP	NORTHERN MARIANA ISLANDS
CT	CONNECTICUT	OH	OHIO
DE	DELAWARE	OK	OKLAHOMA
DC	DISTRICT OF COLUMBIA	OR	OREGON
FL	FLORIDA	PW	PALAU
GA	GEORGIA	PA	PENNSYLVANIA
GU	GUAM	PR	PUERTO RICO
HI	HAWAII	RI	RHODE ISLAND
ID	IDAHO	SC	SOUTH CAROLINA
IL	ILLINOIS	SD	SOUTH DAKOTA
IN	INDIANA	TN	TENNESSEE
IA	IOWA	TX	TEXAS
KS	KANSAS	TT	TRUST TERRITORIES
KY	KENTUCKY	***UM***	***US MINOR OUTLYING ISLANDS***
LA	LOUISIANA	UT	UTAH
ME	MAINE	VT	VERMONT
MD	MARYLAND	VA	VIRGINIA
MH	MARSHALL ISLANDS	VI	VIRGIN ISLANDS
MA	MASSACHUSETTS	DC	WASHINGTON, DISTRICT OF
MI	MICHIGAN	WA	WASHINGTON, STATE OF
FM	MICRONESIA, FEDERATED STATE OF	WV	WEST VIRGINIA
MN	MINNESOTA	WI	WISCONSIN
MS	MISSISSIPPI	WY	WYOMING
MO	MISSOURI	XX	***NOT U.S., U.S. TERRITORY, NOT CANADA, AND COUNTRY IS KNOWN***
MT	MONTANA	YY	***NOT U.S., U.S. TERRITORY, NOT CANADA, AND COUNTRY IS UNKNOWN***
NE	NEBRASKA	***ZZ***	***U.S, NOS, U.S. TERRITORY, NOS; CANADA, NOS, RESIDENCE IS UNKNOWN***
NV	NEVADA		

CANADIAN PROVINCE/ TERRITORY

AB	ALBERTA	NU	NUNAVUT
BC	BRITISH COLUMBIA	ON	ONTARIO
MB	MANITOBA	PE	PRINCE EDWARD ISLAND
NB	NEW BRUNSWICK	QB	QUEBEC
NL	NEWFOUNDLAND AND LABRADOR	SK	SASKATCHEWAN
NT	NORTHWEST TERRITORIES	YT	YUKON TERRITORIES
NS	NOVA SCOTIA	***ZZ***	CANADA, NOS

APPENDIX C

CODES FOR STATES AND TERRITORIES OF THE UNITED STATES AND PROVINCES AND TERRITORIES OF CANADA

US States/Territories

ALABAMA	037
ALASKA	091
AMERICAN SAMOA	121
ARIZONA	087
ARKANSAS	071
CALIFORNIA	097
COLORADO	083
CONNECTICUT	007
DELAWARE	017
DISTRICT OF COLUMBIA	022
FLORIDA	035
GEORGIA	033
GUAM	126
HAWAII	099
IDAHO	081
ILLINOIS	061
INDIANA	045
IOWA	053
KANSAS	065
KENTUCKY	047
LOUISIANA	073
MAINE	002
MARSHALL ISLANDS	131
MARYLAND	021
MASSACHUSETTS	005
MICRONESIA, FEDERATED STATES OF	123
MICHIGAN	041
MINNESOTA	052
MISSISSIPPI	039
MISSOURI	063
MONTANA	056
NEBRASKA	067
NEVADA	085
NEW HAMPSHIRE	003
NEW JERSEY	008
NEW MEXICO	086
NEW YORK	011
NORTH CAROLINA	025
NORTH DAKOTA	054
NORTHERN MARIANA ISLANDS	129
OHIO	043
OKLAHOMA	075
OREGON	095
PALAU	139
PENNSYLVANIA	014
PUERTO RICO	101
RHODE ISLAND	006
SOUTH CAROLINA	026
SOUTH DAKOTA	055
TENNESSEE	031
TEXAS	077
UTAH	084
VERMONT	004
VIRGINIA	023
VIRGIN ISLANDS	102

WASHINGTON, DISTRICT OF	022
WASHINGTON, STATE OF	093
WEST VIRGINIA	024
WISCONSIN	051
WYOMING	082
U.S.A., STATE UNKNOWN	000

CANADIAN PROVINCE/ TERRITORY

ALBERTA	224
BRITISH COLUMBIA	226
CANADA, NOS	220
MANITOBA	224
NEW BRUNSWICK	221
NEWFOUNDLAND AND LABRADOR	221
NORTHWEST TERRITORIES	225
NOVA SCOTIA	221
NUNAVUT	227
ONTARIO	223
PRINCE EDWARD ISLAND	221
QUEBEC	222
SASKATCHEWAN	224
YUKON TERRITORIES	225

APPENDIX D.1

CODES FOR COUNTRIES

(in alphabetical order,

includes codes for U.S. states and territories)

ABYSSINIA	585
ADEN	629
AFARS/ISSAS	583
AFGHANISTAN	638
AFRICA, NOS	500
AFRICA-CENTRAL (OTHER WEST)	539
AFRICA-SUDANESE COUNTRIES	520
AFRICAN COASTAL ISLANDS	580
ALABAMA	037
ALASKA	091
ALBANIA	481
ALBERTA	224
ALGERIA	513
AMERICA, NORTH	260
AMERICAN SAMOA	121
ANATOLIA	611
ANDAMAN ISLANDS	641
ANDORRA	443
ANGOLA	543
ANGUILLA	245
ANNAM	665
ANTARCTICA	750
ANTIGUA	245
ANTILLES	245
ARABIA	629
ARABIAN PENINSULA	629
ARGENTINA	365
ARIZONA	087
ARKANSAS	071
ARMENIA	633
ARMENIA TURKISH	611
ARUBA	245
ASIA MINOR, NOS	610
ASIA, NOS	600
ASIA-ARAB COUNTRIES, NOS	620
ASIA-EAST, NOS	680
ASIA-MID-EAST, NOS	640
ASIA-NEAR EAST, NOS	610
ASIA-SOUTHEAST, NOS	650
ASIAN REPUBLICS OF FORMER USSR	634
ATLAN/CARIB US OTHER	109
ATLANTIC/CARIBBEAN AREA, U.S. POSSESSIONS	100
AUSTRALIA/AUST NEW GUINEA	711
AUSTRIA	436
AZERBAIDZHAN SSR	633
AZERBAIJAN	633

AZORES	445
BAHAMAS	247
BAHRAIN	629
BALEARIC ISL	443
BALTIC REPUBLIC, NOS	463
BALTIC STATES, NOS	463
BANGLADESH	645
BARBADOS	245
BARBUDA	245
BASUTOLAND	545
BAVARIA	431
BECHUANALAND	545
BELARUS	457
BELGIUM	433
BELIZE	252
BENIN	539
BERMUDA	246
BESSARABIA	456
BHUTAN	643
BIOKO	539
BOHEMIA	452
BOLIVIA	355
BOPHUTHATSWANA	545
BORNEO	673
BOSNIA-HERZOGOVINA	453
BOTSWANA	545
BRAZIL	341
BRITISH COLUMBIA	226
BRITISH GUIANA	331
BRITISH HONDURAS	252
BRUNEI	671
BULGARIA	454
BURKINA FASO	520
BURMA	649
BURUNDI	579
BYELORUSSIA	457
CABINDA	543
CAICOS ISLANDS	245
CALIFORNIA	097
CAMBODIA	663
CAMEROON	539
CANADA, NOS	220
CANADA-MARITIME PROVINCE	221
CANADA-NUNAVUT	227
CANADA-NW TERR/YUKON	225
CANADA-PRAIRIE PROVIINCE	224
CANAL ZONE	110
CANARY ISL	443
CANTON/ENDERBURY ISL	122
CAPE COLONY	545
CAPE VERDE ISL	445
CARIBBEAN ISL NEC	245
CARIBBEAN, NOS	245
CAROLINE ISL (MICRONESA, FEDERATED STATES OF)	123
CARTIER ISLANDS	711
CAUCASIAN REPUBLICS OF FORMER USSR	633

CAYMAN ISLANDS	245
CENTRAL AFRICA, NOS	500
CENTRAL AFRICAN REPUBLIC	539
CENTRAL AMERICA, NOS	250
CEYLON	647
CHAD	520
CHANNEL ISL	401
CHILE	361
CHINA, NOS	681
CHINA, PEOPLE'S REPUBLIC	682
CHINA, REPUBLIC OF	684
CHRISTMAS ISLAND	723
CISKEL	545
COCHIN CHINA	665
COCOS ISLANDS	711
COLOMBIA	311
COLORADO	083
COMOROS	580
CONGO BELGIAN	541
CONGO BRAZZAVILLE	539
CONGO FRENCH	539
CONGO LEOPOLDVILLE	541
CONNECTICUT	007
COOK ISL (NEW ZEALAND)	124
CORSICA	441
COSTA RICA	256
COTE D'IVOIRE	539
CRETE	471
CROATIA	453
CUBA	241
CURACAO	245
CYPRUS	495
CYRENAICA	517
CZECH REPUBLIC	452
CZECHOSLOVAKIA	452
DAHOMEY	539
DALMATIA	453
DELAWARE	017
DENMARK	425
DJIBOUTI	583
DOBRUJA	449
DOMINICA	245
DOMINICAN REPUBLIC	243
DUTCH EAST INDIES	673
DUTCH GUIANA	332
EAST AFRICA, NOS	570
EAST GERMANY	431
ECUADOR	345
EGYPT	519
EIRE	410
EL SALVADOR	254
ELLICE ISL	125
ENDERBURY ISL	122
ENGLAND	401
EQUATORIAL AFRICA	500
EQUATORIAL GUINEA	539
ERITREA	585

ESTONIA	458
ESTONIAN S.S.R.	458
ETHIOPIA	585
EUROPE, NOS	499
EUROPE-CENTRAL, NOS	499
EUROPE-EASTERN, NOS	499
EUROPE-GERMANIC, NOS	430
EUROPE-MEDITER ILS NEC	490
EUROPE-OTHER MAINLAND, NOS	470
EUROPE-ROMANCE LANG, NOS	440
EUROPE-SLAVIC, NOS	450
FALKLAND ISLANDS	381
FAROE ISLANDS	425
FERNANDO PO	539
FIJI	721
FINLAND	429
FLORIDA	035
FORMOSA	684
FOTUNA	721
FRANCE/MONACO	441
FREE STATE	545
FRENCH GUIANA	333
FUTUNA ISLANDS	721
GABON	539
GALAPAGOS ISLANDS	345
GAMBIA	539
GAZA STRIP	631
GEORGIA	033
GEORGIA (USSR)	633
GERMAN DEMOCRATIC REPUBLIC	431
GERMANIC COUNTRIES	430
GERMANY	431
GERMANY, EAST	431
GERMANY, FEDERAL REPUBLIC OF	431
GERMANY, WEST	431
GHANA	539
GIBRALTAR	485
GILBERT ISLANDS	122
GREAT BRITAIN, NOS	400
GREECE	471
GREENLAND	210
GRENADA	245
GRENADINES	245
GUADALOUPE	245
GUAM	126
GUATAMALA	251
GUERNSEY	401
GUIANA BRITISH	331
GUIANA DUTCH	332
GUIANA FRENCH	333
GUINEA	539
GUINEA PORTUGUESE	539
GUINEA-BISSAU	539
GUYANA	331
HAITI	242
HAWAII	099
HOLLAND	432

HONDURAS	253
HONG KONG	683
HUNGARY	475
ICELAND	421
IDAHO	081
ILLINOIS	061
INDIA	641
INDIANA	045
INDO-CHINA, NOS	660
INDONESIA	673
IOWA	053
IRAN	637
IRAQ	627
IRAQ-SAUDI ARABIAN NEUTRAL ZONE	620
IRELAND	410
ISLE OF MAN	401
ISRAEL	631
ISSAS	583
ITALY/SAN MARINO	447
IVORY COAST (COTE D'IVOIRE)	539
JAMAICA	244
JAN MAYEN	423
JAPAN	693
JAVA	673
JERSEY	401
JOHNSTON ATOLL	127
JORDAN	625
KAMEROON	539
KAMPUCHEA	663
KANSAS	065
KAZAKH SSR	634
KAZAKHSTAN	634
KENTUCKY	047
KENYA	575
KIRGHIZ SSR	634
KIRIBATI	122
KOREA	695
KOREA, NORTH	695
KOREA, SOUTH	695
KUWAIT	629
KYRGYSTAN	634
KYRGYZ	634
LABRADOR	221
LAOS	661
LAPLAND, NOS	420
LATIN AMERICA, NOS	265
LATVIA	459
LATVIAN S.S.R.	459
LEBANON	623
LEEWARD ISL	245
LESOTHO	545
LIBERIA	539
LIBYA	517
LIECHTENSTEIN	437
LINE ISL SOUTHERN	122
LITHUANIA	461
LITHUANIAN S.S.R.	461

LOUISIANA	073
LUXEMBOURG	434
MACAO	686
MACAU	686
MACEDONIA	453
MADAGASCAR	555
MADEIRA ISL	445
MAINE	002
MALAGASY REPUBLIC	555
MALAWI	551
MALAY PENINSULA	671
MALAYSIA/SINGAPORE/BRUNEI	671
MALDIVES	640
MALI	520
MALTA	491
MANITOBA	224
MARSHALL ISL	131
MARTINIQUE	245
MARYLAND	021
MASSACHUSETTS	005
MAURITANIA	520
MAURITIUS	580
MAYOTTE	580
MEDITERRANEAN ISLANDS, OTHER	490
MELANESIA (MELANESIAN ISL)	721
MESOPOTAMIA	610
MEXICO	230
MICHIGAN	041
MICRONESIA	723
MICRONESIAN ISL	723
MIDWAY ISL	132
MINNESOTA	052
MIQUELON	249
MISSISSIPPI	039
MISSOURI	063
MOLDAVIA	456
MOLDAVIAN S.S.R.	456
MOLDOVA	456
MONACO	441
MONGOLIA	691
MONTANA	056
MONTENEGRO	453
MONTSERRAT	245
MORAVIA	452
MOROCCO	511
MOZAMBIQUE	553
MYANMAR	649
NAMIBIA	545
NAMPO SHOTO SOUTHERN	133
NATAL	545
NAURU	723
NEBRASKA	067
NEPAL/BHUTAN/SIKKIM	643
NETHERLANDS	432
NETHERLANDS ANTILLES	245
NEVADA	085
NEVIS	245

NEW BRUNSWICK	221
NEW CALEDONIA	725
NEW ENGLAND	001
NEW GUINEA AUSTRALIAN	711
NEW GUINEA NORTHEAST	711
NEW GUINEA PAPUA	711
NEW GUINEA, NOS	673
NEW HAMPSHIRE	003
NEW HEBRIDES	721
NEW JERSEY	008
NEW MEXICO	086
NEW YORK	011
NEW ZEALAND	715
NEWFOUNDLAND	221
NICARAGUA	255
NIGER	520
NIGERIA	531
NIUE	715
NORFOLK ISLANDS	711
NORTH AFRICA, NOS	510
NORTH AMERICA	260
NORTH AMERICAN ISL, NOS	240
NORTH CAROLINA	025
NORTH DAKOTA	054
NORTHERN IRELAND	404
NORTHWEST TERRITORY	225
NORWAY	423
NOT US, NOS	998
NOVA SCOTIA	221
NYASALAND	551
OCEANA, NOS	720
OHIO	043
OKINAWA	693
OKLAHOMA	075
OMAN AND MUSCAT	629
ONTARIO	223
ORANGE FREE STATE	545
OREGON	095
ORKNEY ISLANDS	403
PACIFIC ISL, NOS	720
PACIFIC ISLANDS, TRUST TERRITORY	123
PAKISTAN EAST	645
PAKISTAN WEST	639
PAKISTAN, NOS	639
PALAU	139
PALESTINE ARAB	625
PALESTINE JEWISH	631
PALESTINIAN NATIONAL AUTHORITY-PNA	631
PANAMA	257
PAPUA	711
PARAGUAY	371
PENNSYLVANIA	014
PERSIA	637
PERSIAN GULF STATES, NOS	629
PERU	351
PHILIPPINES	675
PHOENIX ISLANDS	122

PITCAIRN	725
POLAND	451
POLYNESIA	725
POLYNESIA, NOS	720
POLYNESIAN ISL	725
PORTUGAL	445
PORTUGUESE GUINEA	539
PRINCE EDWARD ISL	221
PRINCIPE	543
PUERTO RICO	101
QATAR	629
QUATAR	629
QUEBEC	222
REPUBLIC OF CHINA	684
REPUBLIC OF IRELAND	410
REPUBLIC OF SOUTH AFRICA	545
REUNION	580
RHODE ISLAND	006
RHODESIA	547
RHODESIA NORTHERN	549
RHODESIA SOUTHERN	547
RIO MUNI	539
ROMANIA	449
RUANDA	577
RUMANIA	449
RUSSIA, NOS	455
RUSSIAN FEDERATION (FORMER U.S.S.R.)	455
RUSSIAN S.F.S.R.	455
RWANDA	577
RYUKYU ISL (JAPAN)	134
SAHARA	520
SAMOA AMERICAN	121
SAMOA, WESTERN	725
SAN MARINO	447
SAO TOME	543
SARDINIA	447
SASKATCHEWAN	224
SAUDI ARABIA	629
SCANDANAVIA NOS	420
SCOTLAND	403
SENEGAL	539
SERBIA	453
SEYCHELLES	580
SHETLAND ISLANDS	403
SIAM	651
SICILY	447
SIERRA LEONE	539
SIKKIM	643
SINGAPORE	671
SLAVIC COUNTRIES	450
SLAVONIA	453
SLOVAK REPUBLIC	452
SLOVAKIA	452
SLOVENIA	453
SOLOMON ISLANDS	721
SOMALI REPUBLIC	581
SOMALIA	581

SOMALILAND FRENCH	583
SOMALILAND, NOS	581
SOUTH AFRICA, NOS	540
SOUTH AMERICA, NOS	300
SOUTH AMERICAN ISLANDS	380
SOUTH CAROLINA	026
SOUTH DAKOTA	055
SOUTH WEST AFRICA	545
SOUTHERN EUROPE, NOS	499
SOUTHERN LINE ISLANDS	122
SPAIN/ANDORRA	443
SPANISH SAHARA	520
SRI LANKA	647
ST. CHRISTOPHER-NEVIS	245
ST. HELENA	580
ST. KITTS	245
ST. LUCIA	249
ST. PIERRE	249
ST. VINCENT	245
SUDAN	520
SUMATRA	673
SURINAM	332
SVALBARD	423
SWAN ISL	135
SWAZILAND	545
SWEDEN	427
SWITZERLAND	435
SYRIA	621
TADZHIK SSR	634
TAIWAN	684
TAJIKISTAN	634
TANGANYIKA	571
TANZANIA	571
TANZANYIKA	571
TENNESSEE	031
TEXAS	077
THAILAND	651
TIBET	685
TOBAGO	245
TOGO	539
TOKELAU ISL (NEW ZEALAND)	136
TONGA	725
TONKIN	665
TRANS-JORDAN	625
TRANSKEI	545
TRANSVAAL	545
TRANSYLVANIA	449
TRINIDAD	245
TRIPOLI	517
TRIPOLITANIA	517
TRUCIAL STATES	629
TUNISIA	515
TURKEY	611
TURKMEN SSR	634
TURKMENISTAN	634
TURKS ISLANDS	245
TUVALU ISLANDS	125

UGANDA	573
UKRAINE/MOLDAVIA	456
UKRANIAN S.S.R.	456
ULSTER	404
UNION OF SOUTH AFRICA	545
UNITED ARAB EMIRATES	629
UNITED ARAB REPUBLIC	519
UNITED KINGDOM, NOS	400
UNITED STATES, NOS	000
UNKNOWN	999
UPPER VOLTA	520
URUGUAY	375
URUNDI	579
US POSS-ATL/CARIB, NOS	100
US POSS-PACIFIC	120
US, NOS	000
US-CENTRAL MIDWEST, NOS	060
US-MOUNTAIN STATES, NOS	080
US-NEW ENGLAND, NOS	001
US-NORTH ATLANTIC, NOS	010
US-NORTH CENTRAL, NOS	040
US-NORTH MIDWEST, NOS	050
US-PACIFIC STATES, NOS	090
US-SOUTH MID ATLANTIC, NOS	020
US-SOUTH MIDWEST, NOS	070
US-SOUTHEASTERN, NOS	030
USSR, NOS	455
UTAH	084
UZBECK SSR	634
UZBEKISTAN	634
VANUATU	721
VATICAN CITY	447
VENDA	545
VENEZUELA	321
VERMONT	004
VIET NAM	665
VIETNAM	665
VIRGIN ISL - US	102
VIRGIN ISLANDS, BRITISH	245
VIRGINIA	023
WAKE ISLAND	137
WALES	402
WALLACHIA	449
WALLIS ISLANDS	721
WASHINGTON	093
WASHINGTON DC	022
WEST AFRICA, FRENCH	530
WEST AFRICAN COUNTRIES, OTHER	539
WEST BANK	631
WEST GERMANY	431
WEST INDIES	245
WEST INDIES, NOS	245
WEST VIRGINIA	024
WESTERN SAHARA	520
WESTERN SAMOA	725
WHITE RUSSIA	457
WINDWARD ISLANDS	245

WISCONSIN	051
WYOMING	082
YEMEN	629
YEMEN, PEOPLE'S DEMOCRATIC REPUBLIC	629
YEMEN, SOUTHERN	629
YUGOSLAVIA	453
YUKON	225
ZAIRE	541
ZAMBIA	549
ZANZIBAR	571
ZIMBABWE	547

APPENDIX D.2

CODES FOR COUNTRIES

(In numerical order,
includes codes for U.S. states and territories)

000	UNITED STATES, NOS
000	US NOS
001	NEW ENGLAND
001	US-NEW ENGLAND, NOS
002	MAINE
003	NEW HAMPSHIRE
004	VERMONT
005	MASSACHUSETTS
006	RHODE ISLAND
007	CONNECTICUT
008	NEW JERSEY
010	US-NORTH ATLANTIC, NOS
011	NEW YORK
014	PENNSYLVANIA
017	DELAWARE
020	US-SOUTH MID ATLANTIC, NOS
021	MARYLAND
022	WASHINGTON DC
023	VIRGINIA
024	WEST VIRGINIA
025	NORTH CAROLINA
026	SOUTH CAROLINA
030	US-SOUTHEASTERN, NOS
031	TENNESSEE
033	GEORGIA
035	FLORIDA
037	ALABAMA
039	MISSISSIPPI
040	US-NORTH CENTRAL, NOS
041	MICHIGAN
043	OHIO
045	INDIANA
047	KENTUCKY
050	US-NORTH MIDWEST, NOS
051	WISCONSIN
052	MINNESOTA
053	IOWA
054	NORTH DAKOTA
055	SOUTH DAKOTA
056	MONTANA
060	US-CENTRAL MIDWEST, NOS
061	ILLINOIS
063	MISSOURI
065	KANSAS
067	NEBRASKA
070	US-SOUTH MIDWEST, NOS
071	ARKANSAS

073	LOUISIANA
075	OKLAHOMA
077	TEXAS
080	US-MOUNTAIN STATES, NOS
081	IDAHO
082	WYOMING
083	COLORADO
084	UTAH
085	NEVADA
086	NEW MEXICO
087	ARIZONA
090	US-PACIFIC STATES, NOS
091	ALASKA
093	WASHINGTON
095	OREGON
097	CALIFORNIA
099	HAWAII
100	US POSS-ATL/CARIB, NOS
101	PUERTO RICO
102	VIRGIN ISL - US
109	ATLAN/CARIB US OTHER
110	CANAL ZONE
120	US POSS-PACIFIC
121	AMERICAN SAMOA
121	SAMOA AMERICAN
122	CANTON/ENDERBURY ISL
122	ENDERBURY ISL
122	GILBERT ISLANDS
122	LINE ISLANDS, SOUTHERN
122	PHOENIX ISLANDS
122	SOUTHERN LINE ISLANDS
123	CAROLINE ISL, MICRONESIA (FEDERAL STATES OF)
124	COOK ISLAND (NEW ZEALAND)
125	TUVALU (ELLICE ISLANDS)
126	GUAM
127	JOHNSTON ATOLL
129	MARIANA ISL
131	MARSHALL ISL
132	MIDWAY ISL
133	NAMPO SHOTO SOUTHERN
134	RYUKYU ISLAND (JAPAN)
135	SWAN ISL
136	TOKELAU ISLAND (NEW ZEALAND)
137	WAKE ISLAND
139	PALAU
200	WESTERN HEMISPHERE, NOS
210	GREENLAND
220	CANADA, NOS
221	CANADA-MARITIME PROVINCE
221	LABRADOR
221	NEW BRUNSWICK
221	NEWFOUNDLAND
221	NOVA SCOTIA
221	PRINCE EDWARD ISL
222	QUEBEC
223	ONTARIO
224	ALBERTA

224	CANADA-PRAIRIE PROVINCE
224	MANITOBA
224	SASKATCHEWAN
225	CANADA-NW TERR/YUKON
225	NORTHWEST TERRITORY
225	YUKON
226	BRITISH COLUMBIA
227	CANADA- NUNAVUT
230	MEXICO
240	NORTH AMERICAN ISL, NOS
241	CUBA
242	HAITI
243	DOMINICAN REPUBLIC
244	JAMAICA
245	ANGUILLA
245	ANTIGUA
245	ANTILLES
245	ARUBA
245	BARBADOS
245	BARBUDA
245	CAICOS ISLANDS
245	CARIBBEAN ISL NEC
245	CAYMAN ISLANDS
245	CURACAO
245	DOMINICA
245	GRENADINES
245	GRENADA
245	GUADALOUPE
245	LEEWARD ISLANDS
245	MARTINIQUE
245	MONTSERRAT
245	NETHERLANDS ANTILLES
245	ST. CHRISTOPHER-NEVIS
245	ST. KITTS
245	ST. LUCIA
245	ST. VINCENT
245	TOBAGO
245	TRINIDAD
245	TURKS ISLANDS
245	VIRGIN ISLANDS, BRITISH
245	WEST INDIES, BRITISH
245	WEST INDIES, NOS
245	WINDWARD ISLANDS
246	BERMUDA
247	BAHAMAS
249	ST. PIERRE AND MIQUELON
250	CENTRAL AMERICA, NOS
251	GUATAMALA
252	BELIZE
252	BRITISH HONDURAS
253	HONDURAS
254	EL SALVADOR
255	NICARAGUA
256	COSTA RICA
257	PANAMA
260	AMERICA, NORTH
260	NORTH AMERICA, NOS

265	LATIN AMERICA, NOS
300	SOUTH AMERICA, NOS
311	COLOMBIA
321	VENEZUELA
331	BRITISH GUIANA
331	GUIANA BRITISH
331	GUYANA
332	DUTCH GUIANA
332	GUIANA DUTCH
332	SURINAM
333	FRENCH GUIANA
333	GUIANA FRENCH
341	BRAZIL
345	ECUADOR
345	GALAPAGOS ISLANDS
351	PERU
355	BOLIVIA
361	CHILE
365	ARGENTINA
371	PARAGUAY
375	URUGUAY
380	SOUTH AMERICAN ISLANDS
381	FALKLAND ISLANDS
400	GREAT BRITAIN, NOS
400	UNITED KINGDOM, NOS
401	CHANNEL ISL
401	ENGLAND
401	GUERNSEY
401	ISLE OF MAN
401	JERSEY
402	WALES
403	ORKNEY ISLANDS
403	SCOTLAND
403	SHETLAND ISLANDS
404	NORTHERN IRELAND
404	ULSTER
410	EIRE
410	IRELAND
410	REPUBLIC OF IRELAND
420	LAPLAND, NOS
420	SCANDANAVIA, NOS
421	ICELAND
423	JAN MAYEN
423	NORWAY
423	SVALBARD
425	DENMARK
425	FAROE ISLANDS
427	SWEDEN
429	FINLAND
430	EUROPE-GERMANIC, NOS
431	BAVARIA
431	GERMANY
432	HOLLAND
432	NETHERLANDS
433	BELGIUM
434	LUXEMBOURG
435	SWITZERLAND

436	AUSTRIA
437	LIECHTENSTEIN
440	EUROPE-ROMANCE LANG, NOS
441	CORSICA
441	FRANCE/MONACO
441	MONACO
443	ANDORRA
443	BALEARIC ISL
443	CANARY ISL
443	SPAIN/ANDORRA
445	AZORES
445	CAPE VERDE ISL
445	MADEIRA ISL
445	PORTUGAL
447	ITALY/SAN MARINO
447	SAN MARINO
447	SARDINIA
447	SICILY
447	VATICAN CITY
449	DOBRUJA
449	MOLDAVIA RUMANIA
449	ROMANIA
449	RUMANIA
449	TRANSYLVANIA
449	WALLACHIA
450	EUROPE-SLAVIC, NOS
451	POLAND
452	BOHEMIA
452	CZECH REPUBLIC
452	CZECHOSLOVAKIA
452	MORAVIA
452	SLOVAKIA
452	SLOVAK REPUBLIC
453	BOSNIA-HERZOGOVINA
453	CROATIA
453	DALMATIA
453	MACEDONIA
453	MONTENEGRO
453	SERBIA
453	SLAVONIA
453	SLOVENIA
453	YUGOSLAVIA (FORMER)
454	BULGARIA
455	RUSSIA, NOS (RUSSIAN S.F.S.R.)
455	RUSSIAN FEDERATION (FORMER) U.S.S.R
455	RUSSIA
455	USSR, NOS
456	BESSARABIA
456	MOLDAVIA
456	MOLDAVIAN SSR
456	UKRAINE/MOLDOVA
456	UKRANIAN SSR
457	BELARUS
457	BYELORUSSIA
457	WHITE RUSSIA
458	ESTONIA (ESTONIAN SSR)
459	LATVIA (LATVIAN SSR)

461	LITHUANIA (LITHUANIAN SSR)
463	BALTIC REPUBLIC(S), NOS
470	EUROPE-OTHER MAINLAND, NOS
471	CRETE
471	GREECE
475	HUNGARY
481	ALBANIA
485	GIBRALTAR
490	EUROPE-MEDITER ILS NEC
491	MALTA
495	CYPRUS
499	CENTRAL EUROPE, NOS
499	EASTERN EUROPE, NOS
499	EUROPE, NOS
499	NORTHERN EUROPE, NOS
499	SOUTHERN EUROPE, NOS
499	WESTERN EUROPE, NOS
500	EQUATORIAL AFRICA, NOS
500	AFRICA, NOS
500	CENTRAL AFRICA, NOS
510	NORTH AFRICA NOS
511	MOROCCO
513	ALGERIA
515	TUNISIA
517	CYRENAICA
517	LIBYA
517	TRIPOLITANIA
517	TRIPOLI
519	EGYPT
519	UNITED ARAB REPUBLIC
520	AFRICA-SUDANESE COUNTRIES
520	BURKINA FASO (UPPER VOLTA)
520	CHAD
520	MALI
520	MAURITANIA
520	NIGER
520	SAHARA
520	SUDAN
520	WESTERN (SPANISH) SAHARA
530	FRENCH WEST AFRICA, NOS
530	WEST AFRICA
531	NIGERIA
539	AFRICA-CENTRAL (OTHER WEST)
539	BENIN
539	CAMEROON
539	CENTRAL AFRICAN REPUBLIC
539	CONGO
539	CONGO FRENCH
539	CONGO BRAZZAVILLE
539	COTE D'IVOIRE (IVORY COAST)
539	DAHOMEY
539	EQUATORIAL GUINEA
539	FERNANDO PO
539	GABON
539	GAMBIA
539	GHANA
539	GUIANA BISSAU

539	GUIANA PORTUGUESE
539	GUINEA
539	KAMEROON
539	LIBERIA
539	PORTUGUESE GUINEA
539	RIO MUNI
539	SENEGAL
539	SIERRA LEONE
539	TOGO
540	SOUTH AFRICA, NOS
541	CONGO BELGIAN
541	CONGO LEOPOLDVILLE
541	CONGO/KINSHASA
541	ZAIRE
543	ANGOLA
543	CABINDA
543	PRINCIPE
543	SAO TOME
545	BASUTOLAND
545	BECHUANALAND
545	BOPHUTHATSWANA
545	BOTSWANA
545	CAPE COLONY
545	CISKEL
545	FREE STATE (ORANGE FREE STATE)
545	LESOTHO
545	NAMIBIA
545	NATAL
545	REPUBLIC OF SOUTH AFRICA
545	SOUTH WEST AFRICA
545	SWAZILAND
545	TRANSKEI
545	TRANSVAAL
545	UNION OF SOUTH AFRICA
545	VENDA
547	RHODESIA SOUTHERN
547	RHODESIA
547	ZIMBABWE
549	RHODESIA NORTHERN
549	ZAMBIA
551	MALAWI
551	NYASALAND
553	MOZAMBIQUE
555	MADAGASCAR
555	MALAGASY REPUBLIC
570	EAST AFRICA, NOS
571	TANGANYIKA
571	TANZANIA
571	TANZANYIKA
571	ZANZIBAR
573	UGANDA
575	KENYA
577	RUANDA
577	RWANDA
579	BURUNDI
579	URUNDI
580	AFRICAN COASTAL ISLANDS

580	COMOROS
580	MAURITIUS
580	MAYOTTE
580	REUNION
580	SEYCHELLES
580	ST. HELENA
581	SOMALIA
581	SOMALILAND, NOS
581	SOMALI REPUBLIC
583	AFARS/ISSAS
583	DJIBOUTI
583	ISSAS
583	SOMALILAND FRENCH
585	ABYSSINIA
585	ERITREA
585	ETHIOPIA
600	ASIA, NOS
610	ASIA-NEAR EAST, NOS
610	MESOPOTAMIA
611	ANATOLIA
611	ASIA MINOR, NOS
611	TURKEY
620	ASIA-ARAB COUNTRIES, NOS
620	IRAQ-SAUDI ARABIA NEUTRAL ZONE
621	SYRIA
623	LEBANON
625	JORDAN
625	PALESTINE ARAB
625	TRANS-JORDAN
627	IRAQ
629	ADEN
629	ARABIAN PENINSULA
629	ARABIA
629	BAHRAIN
629	KUWAIT
629	OMAN AND MUSCAT
629	PERSIAN GULF STATES, NOS
629	QATAR
629	QUATAR
629	SAUDI ARABIA
629	TRUCIAL STATES
629	UNITED ARAB EMIRATES
629	YEMEN
631	GAZA
631	ISRAEL
631	PALESTINE (PALESTINIAN NATIONAL AUTHORITY-PNA)
631	WEST BANK
633	ARMENIA
633	AZERBAIDZHAN SSR
633	AZERBAIJAN
633	CAUCASIAN REPUBLICS OF FORMER USSR
633	GEORGIA (USSR)
634	KAZAKHSTAN
634	KAZAKH SSR
634	KIRGHIZ SSR
634	KYRGYSTAN
634	OTHER ASIAN REPUBLICS OF FORMER USSR

634	TADZHIK SSR
634	TAJIKISTAN
634	TURKMEN SSR
634	TURMENISTAN
634	UZBECK SSR
634	UZBEKISTAN
637	IRAN
637	PERSIA
638	AFGHANISTAN
639	PAKISTAN NOS
639	PAKISTAN WEST
640	ASIA-MID-EAST, NOS
640	MALDIVES
641	ANDAMAN ISLANDS
641	INDIA
643	BHUTAN
643	NEPAL/BHUTAN/SIKKIM
643	SIKKIM
645	BANGLADESH
645	PAKISTAN EAST
647	CEYLON
647	SRI LANKA
649	BURMA
649	MYANMAR
650	ASIA-SOUTHEAST, NOS
651	SIAM
651	THAILAND
660	INDO-CHINA, NOS
661	LAOS
663	CAMBODIA
663	KAMPUCHEA
665	ANNAM
665	COCHIN CHINA
665	TONKIN
665	VIET NAM
665	VIETNAM
671	BRUNEI
671	MALAY PENINSULA
671	MALAYSIA/SINGAPORE/BRUNEI
671	SINGAPORE
673	BORNEO
673	DUTCH EAST INDIES
673	INDONESIA
673	JAVA
673	NEW GUINEA, NOS
673	SUMATRA
675	PHILIPPINES
680	ASIA-EAST, NOS
681	CHINA, NOS
682	CHINA, PEOPLE'S REPUBLIC
683	HONG KONG
684	CHINA, REPUBLIC OF
684	FORMOSA
684	REPUBLIC OF CHINA
684	TAIWAN
685	TIBET
686	MACAO

686	MACAU
691	MONGOLIA
693	JAPAN
693	OKINAWA
695	KOREA
695	NORTH KOREA
695	SOUTH KOREA
711	AUSTRALIA/AUST NEW GUINEA
711	CARTIER ISLANDS
711	COCOS ISLANDS
711	NEW GUINEA AUSTRALIAN
711	NEW GUINEA NORTHEAST
711	NEW GUINEA PAPUA
711	NORFOLK ISLANDS
711	PAPUA
715	NEW ZEALAND
715	NIUE
720	OCEANA, NOS
720	PACIFIC ISL, NOS
720	POLYNESIA, NOS
721	FIJI
721	FOTUNA
721	FUTUNA ISLANDS
721	MELANESIA (MELANESIA ISLANDS)
721	NEW HEBRIDES
721	SOLOMON ISLANDS
721	VANUATA
721	WALLIS ISLANDS
723	CHRISTMAS ISLAND
723	MICRONESIA (MICRONESIAN ISLANDS)
723	NAURU
725	NEW CALEDONIA
725	PITCAIRN
725	POLYNESIA (POLYNESIAN ISLANDS)
725	SAMOA, WESTERN
725	TONGA
725	WESTERN SAMOA
750	ANTARCTICA
998	NOT US NOS
999	UNKNOWN

APPENDIX E

RULES FOR DETERMINING RESIDENCY OF MILITARY PERSONNEL ASSIGNED TO SHIPS AND CREWS OF MERCHANT VESSELS

Cancer reporting facilities that serve patients in the U.S. Navy or Merchant Marine need detailed rules for determining whether their patients are residents of their region for purposes of cancer reporting. The rules for determining residency are the same as those used by the Census Bureau. The guidelines that follow were adapted from U.S. Department of Commerce publications.

NAVY PERSONNEL

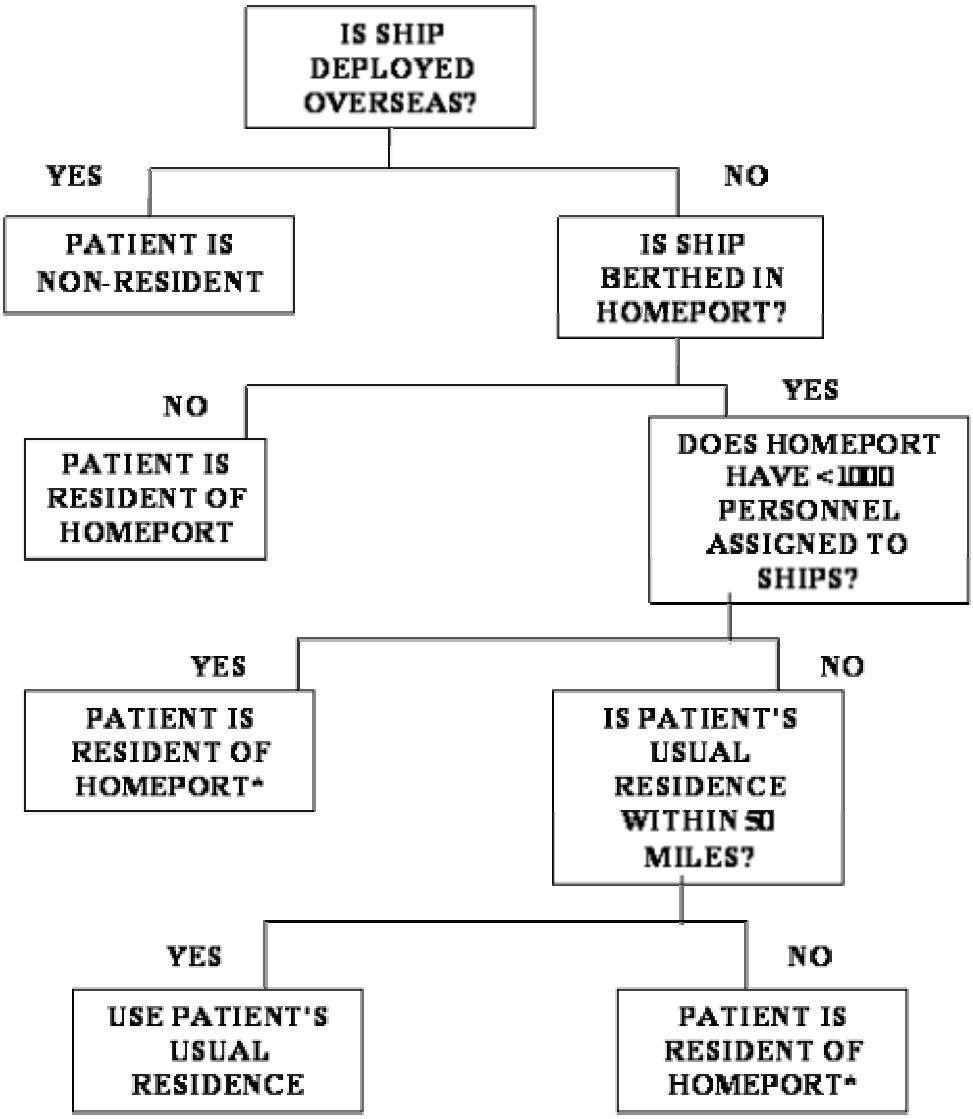
Patients diagnosed with cancer while their ships are deployed overseas are considered overseas residents for cancer-reporting purposes. For ships not deployed overseas, specific rules (shown in the chart below) apply. The Navy assigns a homeport to each of its ships. If a ship that is not deployed overseas is not berthed in its homeport, any crew member diagnosed with cancer is considered a resident of the homeport. If the ship is berthed in its homeport, and the homeport has fewer than 1000 naval personnel assigned to ships, a crew member diagnosed with cancer is considered a resident of the ship. If, however, the homeport has more than 1000 naval personnel assigned to ships and the cancer patient has a usual residence within 50 miles of the homeport, the person's residence is the home, not the ship itself. If the patient's usual residence is more than 50 miles from the homeport, he or she is considered to be a resident of the ship. For patients who are considered residents of a ship, code residence as the ship's homeport unless the homeport is contained in more than one municipality. In that case, code the patient's residence as the municipality immediately adjacent to the dock or pier where the ship is berthed.

CREWS OF MERCHANT VESSELS

Crews of U.S. vessels outside the U.S., or crews of vessels flying a foreign flag, are considered non-residents. If a U.S. vessel is not berthed in a U.S. port but is in territorial waters, and the port of destination is inside the U.S., a crew member diagnosed with cancer is considered a resident of the port of destination. If the destination is outside the U.S., the homeport of the ship is considered the patient's residence. If a U.S. vessel is berthed in a U.S. port at the time of diagnosis, the patient is a resident of that port.

CHART

Summary of Rules for Determining Residency of Navy Personnel Assigned to Ships



* If homeport is maintained in more than municipality, code patient as resident of the municipality immediately adjacent to the dock or pier where the ship is berthed.

APPENDIX F

CALIFORNIA HOSPITAL CODE NUMBERS

Appendix F1 and F2 have been deleted from Volume I. California Hospital lists by facility code or facility name are now posted on the CCR web site at the following links:

http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf

http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf

APPENDIX G.1

CODES FOR RELIGIONS

(in numerical order)

01	NONE
02	AGNOSTIC
03	ATHEIST
04	*NONE, AGNOSTIC, ATHEIST (OLD)
05	*ROMAN CATHOLIC
05	CATHOLIC
06	CHRISTIAN, NOS
06	PROTESTANT, NOS

PROTESTANT DENOMINATIONS:

07	*AFRICAN METHODIST EPISCOPAL (AME)
08	ANGLICAN
08	CHURCH OF ENGLAND
09	BAPTIST
10	COMMUNITY
11	CONGREGATIONAL
12	EPISCOPALIAN
13	LUTHERAN
14	METHODIST
15	PRESBYTERIAN
16	UNITARIAN
17	*PROTESTANT DENOMINATION, OTHER
18	CHRISTIAN REFORMED
19	DISCIPLES OF CHRIST
20	*DUTCH REFORMED
21	FIRST CHRISTIAN
22	INTERDENOMINATIONAL
23	MORAVIAN
24	NON-DENOMINATIONAL
25	SEAMAN'S CHURCH
26	TRINITY
27	UNIVERSAL
28	PROTESTANT, OTHER

ORTHODOX:

29	ARMENIAN ORTHODOX
29	ORTHODOX, ARMENIAN
30	*COPTIC
31	GREEK ORTHODOX
31	ORTHODOX, GREEK
32	ORTHODOX, RUSSIAN
32	RUSSIAN ORTHODOX
33	SERBIAN ORTHODOX
33	ORTHODOX, SERBIAN
34	*LEBANESE MARONITE
34	*MARONITE
34	*ORTHODOX, CHRISTIAN, OTHER
34	*ORTHODOX, CHRISTIAN, NOS

CHRISTIAN SECTS:

35	JEHOVAH'S WITNESSES
36	CHRISTIAN SCIENCE
37	MORMON
37	LATTER DAY SAINTS
38	SEVENTH-DAY ADVENTIST
39	FRIENDS
39	QUAKER

CHRISTIAN SECTS-OTHER:

40	AMISH
41	MENNONITES
42	APOSTOLIC
43	ARMENIAN APOSTOLIC
44	ASSEMBLIES OF GOD
45	BRETHREN
45	BROTHERS
46	CHRISTIAN APOSTOLIC
47	CHURCH OF ARMEDIAN
48	CHURCH OF CHRIST
49	CHURCH OF GOD
50	CHURCH OF MESSIANITY
51	CHURCH OF THE DIVINE
52	CHURCH OF THE OPEN DOOR
53	CONGREGATIONAL HOLY
53	HOLY CONGREGATIONAL
54	COVENANT
55	DIVINE SCIENCE
56	EVANGELICAL
57	FUNDAMENTAL
58	FOURSQUARE
59	FULL GOSPEL
60	HOLINESS
61	HOLY INNOCENTS
62	NAZARENE
63	NEW APOSTOLIC
64	PENTECOSTAL
65	RELIGIOUS SCIENCE
66	SALVATION ARMY
67	SCIENCE OF MIND
68	UNITY
69	*CHRISTIAN SECTS, OTHER
70	JEWISH
71	*ORTHODOX JEWISH
71	*JEWISH ORTHODOX

WESTERN OTHER:

72	BAHA'I
73	CRICKORIAN
73	ETHICAL CULTURE
73	GREGORIAN
73	LAWSONIAN
73	MASON
73	METAPHYSICS
73	OCCULT

73	PEACE OF MIND
73	PEOPLE'S
73	SELF-REALIZATION
73	SOCIETY OF LIFE
73	SPIRITUALIST
73	THEOSOPHY
73	TRUTH SEEKER
74	MOLIKAN
74	MOLOKAN
75	*WESTERN RELIGION OR CREED, OTHER
75	*WESTERN RELIGION OR CREED, NOS
76	KO

EASTERN RELIGIONS:

77	BUDDHIST
77	*ZEN
77	*ZEN BUDDHISM
78	DROUZE
79	*CONFUCIANISM
79	*TAOISM
80	*JAIN
81	*NATION OF ISLAM
82	MOSLEM
82	MUSLIM
82	MOHAMMEDAN
83	HINDU
84	ISLAM
85	*PARSEE
85	ZOROASTRIAN
86	SHINTO
87	*SIKH
88	VEDANTA
89	ORIENTAL PHILOSOPHY
89	*EASTERN REGLIGION, OTHER
89	*EASTERN RELIGION, NOS
90	*AMERICAN INDIAN RELIGIONS
90	*NATIVE AMERICAN TRADITIONAL RELIGIONS
91	*HAITIAN/AFRICAN/BRAZILIAN RELIGIONS, OTHER
91	*SANTORIA
91	*VOODOO
92	*SHAMANISM
93	*OTHER TRADITIONAL OR NATIVE RELIGION
98	*OTHER
99	UNSPECIFIED, UNKNOWN

*NEW OR REVISED LABEL

APPENDIX G.2

CODES FOR RELIGIONS

(in alphabetical order)

AFRICAN METHODIST EPISCOPAL (AME)	07
AGNOSTIC	02
AMERICAN INDIAN RELIGIONS	90
AMISH	40
ANGLICAN	08
APOSTOLIC	42
ARMENIAN APOSTOLIC	43
ARMENIAN ORTHODOX	29
ASSEMBLIES OF GOD	44
ATHEIST	03
BAHA'I	72
BAPTIST	09
BRETHREN	45
BROTHERS	45
BUDDHIST	77
CATHOLIC	05
CHRISTIAN APOSTOLIC	46
CHRISTIAN REFORMED	18
CHRISTIAN SCIENCE	36
CHRISTIAN SECTS, OTHER	69
CHRISTIAN, NOS	06
CHURCH OF ARMEDIAN	47
CHURCH OF CHRIST	48
CHURCH OF ENGLAND	08
CHURCH OF GOD	49
CHURCH OF MESSIANITY	50
CHURCH OF THE DIVINE	51
CHURCH OF THE OPEN DOOR	52
COMMUNITY	10
CONFUCIANISM	79
CONGREGATIONAL HOLY	53
CONGREGATIONAL	11
COPTIC	30
COVENANT	54
CRICKORIAN	73
DISCIPLES OF CHRIST	19
DIVINE SCIENCE	55
DROUZE	78
DUTCH REFORMED	20
EASTERN RELIGION, NOS	89
EASTERN RELIGION, OTHER	89
EPISCOPALIAN	12
ETHICAL CULTURE	73
EVANGELICAL	56
FIRST CHRISTIAN	21
FOURSQUARE	58
FRIENDS	39
FULL GOSPEL	59

FUNDAMENTAL	57
GREEK ORTHODOX	31
GREGORIAN	73
HAITIAN/AFRICAN/BRAZILIAN RELIGIONS, OTHER	91
HINDU	83
HOLINESS	60
HOLY CONGREGATIONAL	53
HOLY INNOCENTS	61
INTERDENOMINATIONAL	22
ISLAM	84
JAIN	80
JEHOVAH'S WITNESS	35
JEWISH ORTHODOX	71
JEWISH	70
KO	76
LATTER DAY SAINTS	37
LAWSONIAN	73
LEBANESE MARONITE	34
LUTHERAN	13
MARONITE	34
MASON	73
MENNONITES	41
METAPHYSICS	73
METHODIST	14
MOHAMMEDAN	82
MOLIKAN	74
MOLOKAN	74
MORAVIAN	23
MORMON	37
MOSLEM	82
MUSLIM	82
NATION OF ISLAM	81
NATIVE AMERICAN TRADITIONAL RELIGIONS	90
NAZARENE	62
NEW APOSTOLIC	63
NON-DENOMINATIONAL	24
NONE, AGNOSTIC, ATHEIST (OLD)	04
NONE	01
OCCULT	73
ORIENTAL PHILOSOPHY	89
ORTHODOX, ARMENIAN	29
ORTHODOX, CHRISTIAN, NOS	34
ORTHODOX, CHRISTIAN, OTHER	34
ORTHODOX, GREEK	31
ORTHODOX, JEWISH	71
ORTHODOX, RUSSIAN	32
ORTHODOX, SERBIAN	33
OTHER TRADITIONAL OR NATIVE RELIGION	93
OTHER	98
PARSEE	85
PEACE OF MIND	73
PENTACOSTAL	64
PEOPLE'S	73
PRESBYTERIAN	15
PROTESTANT DENOMINATION, OTHER	17
PROTESTANT, NOS	06
PROTESTANT, OTHER	28

QUAKER	39
RELIGIOUS SCIENCE	65
ROMAN CATHOLIC	05
RUSSIAN ORTHODOX	32
SALVATION ARMY	66
SANTORIA	91
SCIENCE OF MIND	67
SEAMAN'S CHURCH	25
SELF-REALIZATION	73
SERBIAN ORTHODOX	33
SEVENTH-DAY ADVENTIST	38
SHAMANISM	92
SHINTO	86
SIKH	87
SOCIETY OF LIFE	73
SPIRITUALIST	73
TAOISM	79
THEOSOPHY	73
TRINITY	26
TRUTH SEEKER	73
UNITARIAN	16
UNITY	68
UNIVERSAL	27
UNSPECIFIED, UNKNOWN	99
VEDANTA	88
VOODOO	91
WESTERN RELIGION OR CREED, NOS	75
WESTERN RELIGION OR CREED, OTHER	75
ZEN BUDDHISM	77
ZEN	77
ZOROASTRIAN	85

APPENDIX H

SUMMARY OF CODES

The codes used for reporting cancer data to the CCR are summarized below. For explanations of the codes and status of data item reportability to the CCR, refer to the sections indicated. Only coded items, not text fields, are listed here.

Note: 2006 changes are indicated by ***boldface, italic, maroon text***.

SECTION	ITEM	CODE	
REGISTRY INFORMATION			
III.1.1	Abstractor	Three initials of abstractor; flush left, no spaces between initials XXX = unknown	
II.2.3	Accession Number	Nine-digit number assigned to patient by hospital tumor registry	
II.2.4	Sequence Number	00	ONE PRIMARY MALIGNANCY
		01	FIRST OF TWO OR MORE PRIMARIES
		02	SECOND OF TWO OR MORE PRIMARIES
		...	
		10	TENTH OF TEN OR MORE PRIMARIES
		11	ELEVENTH OF ELEVEN OR MORE PRIMARIES
		...	
		99	SEQUENCE UNKNOWN
II.2.1	Year First Seen	Four-digit number assigned by the hospital tumor registry to each registered case	
III.1.4	Reporting Hospital	Ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown	
III.1.6	ACoS Approved Flag	1	CANCER PROGRAM APPROVED
		2	CANCER PROGRAM NOT APPROVED
		Blank	CASES DIAGNOSED BEFORE 1999
PATIENT IDENTIFICATION			
III.2.1	Patient's Name	Uppercase alpha, except single hyphen allowed within last name; maximum of 25 characters for last name, 14 letters for first name, and 14 letters for middle name/initial; no spaces within name; middle name may be blank	

III.2.1.4	Maiden Name	Uppercase alpha, except hyphen; first 15 characters of maiden surname; no spaces within name; blank if not applicable
III.2.1.5	Alias Last Name	Uppercase alpha, except hyphen; first 15 characters of alias surname; no spaces within name; blank if not applicable
III.2.1.6	Alias First Name	Uppercase alpha, except hyphen, 15 characters, no spaces within name; blank if not applicable
III.2.1.8	Name Suffix	Alpha; 3 characters; may be left blank
III.2.1.9	Mother's First Name	Alpha; 14 characters; may be left blank
III.2.2	Medical Record No.	Maximum of 12 letters or numbers assigned to patient/admission by reporting hospital, flush left, without special characters or spaces within number; blank if none assigned
III.2.3	Social Security No.	Nine-digit number; up to two-character suffix;
	and Suffix	flush left; blank if unknown; valid suffixes determined by Social Security Administration
III.2.5.2	Number & Street	Maximum of 40 letters, numbers, spaces, and the special characters (#), (/), (-), (,), and (.), flush left; if unknown enter "UNKNOWN"
III.2.5.2	City	Maximum of 20 letters and spaces only; if unknown enter "UNKNOWN"
III.2.5.2	State	Two-letter postal abbreviation (see Appendix B) XX ***Resident of country other than the US or Canada and the country is known*** YY ***Resident of country other than the US or Canada, and country is unknown*** ***ZZ*** ***Resident of the US, NOS; Canada, NOS; residence unknown***
III.2.5.2	Zip	Nine-character field for five- or nine-digit postal code, flush left 8's NON-USA, NON-CANADIAN RESIDENT 9's UNKNOWN
III.2.5.2	County of Residence	Three-digit code for county at DX in California (see Appendix L); for non-USA or non-Canadian residents, three-digit code for country (see Appendix D) 000 NON-CALIFORNIA RESIDENT; USA, NOS; CALIFORNIA RESIDENT, COUNTY UNKNOWN 999 COUNTRY UNKNOWN
III.2.4 & VII.3.2	Phone	Ten-digit telephone number, including area code; no hyphens; may be blank; enter 0's for no phone
III.2.6	Marital Status	1 SINGLE 2 MARRIED

		3	SEPARATED
		4	DIVORCED
		5	WIDOWED
		9	UNKNOWN
III.2.7	Sex	1	MALE
		2	FEMALE
		3	HERMAPHRODITE***/INTERSEXED***
		4	TRANSSEXUAL***/TRANSGENDERED***
		9	UNKNOWN
III.2.8	Religion	Two-digit code (see Appendix G)	
III.2.9.1	Race 1	01	WHITE
		02	BLACK
		03	AMERICAN INDIAN, ALEUTIAN, OR ESKIMO
		04	CHINESE
		05	JAPANESE
		06	FILIPINO
		07	HAWAIIAN
		08	KOREAN
		09	ASIAN INDIAN, PAKISTANI
		10	VIETNAMESE
		11	LAOTIAN
		12	HMONG
		13	KAMPUCHEAN (CAMBODIAN)
		14	THAI
		20	MICRONESIAN, NOS
		21	CHAMORRO
		22	GUAMANIAN, NOS
		25	POLYNESIAN, NOS
		26	TAHITIAN
		27	SAMOAN
		28	TONGAN
		30	MELANESIAN, NOS
		31	FIJI ISLANDER
		32	NEW GUINEAN
		90	OTHER SOUTH ASIAN*, INCLUDING BANGLADESHI, BHUTANESE, NEPALESE, SIKKIMESE, SRI LANKAN (CEYLONESE)
		96	OTHER ASIAN, INCLUDING BURMESE, INDONESIAN, ASIAN, NOS AND ORIENTAL, NOS
		97	PACIFIC ISLANDER, NOS
		98	OTHER
		99	UNKNOWN

*__Note__: these races were previously coded 09 - Asian Indian. Per the new SEER guideline, these cases are coded as 96 Other Asian. For consistency in these codes over time, the CCR created a new code, code 90 for Other South Asian. These cases will be converted from 90 to 96 for calls for data.

III.2.9.1	Race 2-5	See Race 1, above, plus

		88	NO FURTHER RACE DOCUMENTED
III.2.9.2	Spanish Hispanic/Origin	0	NON-SPANISH, NON-HISPANIC
		1	MEXICAN (including CHICANO, NOS)
		2	PUERTO RICAN
		3	CUBAN
		4	SOUTH OR CENTRAL AMERICAN (except BRAZILIAN)
		5	OTHER SPECIFIED SPANISH ORIGIN (includes EUROPEAN***; excludes DOMINICAN REPUBLIC) (for cases diagnosed on or after January 1, 2005 forward***)
		6	SPANISH, NOS; HISPANIC, NOS, LATINO, NOS (evidence that Hispanic cannot be assigned to codes 1-5)
		7	SPANISH SURNAME ONLY (only evidence is surname or maiden name) *(* Use Appendix O to code this field*)
		8	***DOMINICAN REPUBLIC (for cases diagnosed on or after January 1, 2005)***
		9	UNKNOWN WHETHER SPANISH OR NOT
III.2.10	Birth Date		
	Month	01-12	for January - December
		99	UNKNOWN
	Day	01-31	
		99	UNKNOWN
	Year	Four-digit year of birth	
		9999	UNKNOWN
III.2.11	Age at Diagnosis	Three-digit age at diagnosis	
		000	LESS THAN ONE YEAR OLD
		999	UNKNOWN AGE
III.2.12	Birthplace	Three-digit code (see Appendix D)	
III.2.13	Occupation	Four-digit code, U.S. Bureau of the Census 1990 occupation and industry classification; leave blank because entered by regional or central registry	
III.2.13	Industry	Four-digit code (see Occupation, above); leave blank	
III.2.14	Patient No Research Contact Flag	0	NO FLAG
		1	HOSPITAL FIRST NOTIFIED
		2	REGION FIRST NOTIFIED
		3	CCR FIRST NOTIFIED
		4	OUT OF STATE CASE, NOT FOR RESEARCH

CASE IDENTIFICATION

III.3.1	Date of Admission	MMDDYYYY (unknown = 99 or 9999 for unknown year)

III.3.2	Dates of Inpatient Admission and Inpatient Discharge	MMDDYYYY (unknown = 99 or 9999 for unknown year); may be blank
III.3.3	Date of Diagnosis	MMDDYYYY (unknown = 99 or 9999 for unknown year)
III.3.5	Class of Case	ANALYTIC CODES 0, 1, and 2 0 FIRST DIAGNOSED AT REPORTING HOSPITAL SINCE ITS REFERENCE DATE, BUT ENTIRE FIRST COURSE OF THERAPY GIVEN ELSEWHERE 1 FIRST DIAGNOSED AT REPORTING HOSPITAL SINCE ITS REFERENCE DATE, AND EITHER (a) RECEIVED ALL OR PART OF FIRST COURSE OF THERAPY AT THE HOSPITAL, OR (b) WAS NEVER TREATED 2 FIRST DIAGNOSED AT ANOTHER HOSPITAL AND EITHER (a) RECEIVED ALL OR PART OF THE FIRST COURSE OF THERAPY AT THE REPORTING HOSPITAL AFTER ITS REFERENCE DATE, OR (b) PLANNING OF THE FIRST COURSE OF THERAPY WAS DONE PRIMARILY AT THE REPORTING HOSPITAL NON-ANALYTIC Codes 3-9 3 FIRST DIAGNOSED AT ANOTHER HOSPITAL AND EITHER (a) ENTIRE FIRST COURSE OF THERAPY* WAS GIVEN ELSEWHERE, (b) WAS NEVER TREATED, or (c) UNKNOWN IF TREATED 4 FIRST DIAGNOSED AT REPORTING HOSPITAL BEFORE ITS REFERENCE DATE 5 FIRST DIAGNOSED AT AUTOPSY 6 DIAGNOSED AND RECEIVED ALL OF THE FIRST COURSE OF TREATMENT IN A STAFF PHYSICIAN'S OFFICE. (PER THE AMERICAN COLLEGE OF SURGEONS, THESE CASES ARE NON-ANALYTIC AND REPORTABILITY IS OPTIONAL.) 7 PATHOLOGY REPORT ONLY. PATIENT DOES NOT ENTER THE REPORTING FACILITY AT ANY TIME FOR DIAGNOSIS OR TREATMENT. THIS CATEGORY EXCLUDES CASES DIAGNOSED AT AUTOPSY 8 DIAGNOSIS WAS ESTABLISHED BY DEATH CERTIFICATE ONLY. USED BY CENTRAL REGISTRIES ONLY. 9 PATIENT TREATED AT REPORTING HOSPITAL BUT DATE OF DIAGNOSIS IS UNKNOWN AND CANNOT BE REASONABLY ESTIMATED
III.3.6	Type of Reporting Source	1 HOSPITAL INPATIENT/OUTPATIENT OR CLINIC ***2 RADIATION TREATMENT CENTERS OR MEDICAL ONCOLOGY CENTERS*** 3 LABORATORY *4 PRIVATE MEDICAL PRACTITIONER *5 NURSING HOME, CONVALESCENT HOSPITAL, OR HOSPICE 6 AUTOPSY ONLY *7 DEATH CERTIFICATE ONLY ***8 OTHER HOSPITAL OUTPATIENT UNITS/SURGERY CENTERS*** **NOTE**: Code 2 (Clinic) will still be accepted. *Codes 4, 5, and 7 are not used by hospitals.
III.3.7	Type of Admission	1 INPATIENT ONLY

		2	OUTPATIENT ONLY
		3	TUMOR BOARD ONLY
		4	PATHOLOGY SPECIMEN ONLY
		5	INPATIENT AND OUTPATIENT
		6	INPATIENT AND TUMOR BOARD
		7	OUTPATIENT AND TUMOR BOARD
		8	INPATIENT, OUTPATIENT, AND TUMOR BOARD
		9	UNKNOWN (may appear in archival files but is not entered by hospitals)
III.3.8	Casefinding Source	Case first identified in cancer-reporting facility:	
		10	REPORTING HOSPITAL, NOS
		20	PATHOLOGY DEPARTMENT REVIEWS
		21	DAILY DISCHARGE REVIEW
		22	DISEASE INDEX REVIEW
		23	RADIATION THERAPY DEPARTMENT/CENTER
		24	LABORATORY REPORTS
		25	OUTPATIENT CHEMOTHERAPY
		26	DIAGNOSTIC IMAGING/RADIOLOGY
		27	TUMOR BOARD
		28	HOSPITAL REHABILITATION SERVICE OR CLINIC
		29	OTHER HOSPITAL SOURCE, INCL. CLINIC, NOS OR OPD, NOS
		Case first identified by source other than a cancer-reporting facility:	
		30	PHYSICIAN-INITIATED CASE
		40	CONSULTATION-ONLY OR PATHOLOGY-ONLY REPORT
		50	PRIVATE PATHOLOGY LABORATORY REPORT
		60	NURSING-HOME-INITIATED CASE
		70	CORONER'S-OFFICE RECORDS REVIEW
		75	***MANAGED CARE ORGANIZATION (MCO) OR INSURANCE RECORDS***
		80	DEATH CERTIFICATE FOLLOW-BACK
		85	OUT OF STATE CASE SHARING
		90	OTHER NON-REPORTING HOSPITAL SOURCE
		95	QUALITY CONTROL REVIEW
		99	UNKNOWN
III.3.9	Payment Source Primary and Secondary	01	NOT INSURED
		02	NOT INSURED, SELF-PAY
		10	INSURANCE, NOS
		20	***MANAGED CARE***
		21	***PRIVATE INSURANCE: FEE-FOR SERVICE***
		28	***HMO***
		29	***PPO***
		31	MEDICAID
		35	MEDICAID ADMINISTERED THROUGH A MANAGED CARE PLAN
		60	MEDICARE***/MEDICARE, NOS***
		61	MEDICARE WITH SUPPLEMENT***, NOS***
		62	***MEDICARE - ADMINISTERED THROUGH A MANAGED CARE PLAN***
		63	***MEDICARE WITH PRIVATE SUPPLEMENT***
		64	MEDICARE WITH MEDICAID ***ELIGIBILITY***
		65	TRICARE
		66	MILITARY
		67	VETERANS AFFAIRS

		68	INDIAN/PUBLIC HEALTH SERVICE
		89	COUNTY FUNDED, NOS
		99	INSURANCE STATUS UNKNOWN
III.3.10	Hospital Referred From	Ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown	
III.3.11	Hospital Referred To	Ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown	
III.3.12	Physicians	Eight-digit code based on physician's state license number (7 fields); may enter dentist's and osteopath's license number; may enter out-of-state license but first character must be an X; blank if not applicable; Attending Physician may not be blank. If there is no attending physician, or if it cannot be determined who the attending physician is, the code for unknown physician or license number not assigned (99999999) must be entered.	
III.3.13	Comorbidity/Complications 1-***10***	Enter the patient's preexisting medical conditions, factors influencing health status, and/or complications during the patient's hospital stay for the treatment of the cancer. These factors may affect treatment decisions and influence outcomes. Although data collection for these fields is not required by the CCR, Comorbidity/Complications 1-***10*** will be collected from CoC facilities. Refer to the FORDS Manual for instructions.	
III.3.14	***ICD Revision Comorbidities and Complications***	***0***	***No secondary diagnosis reported***
		1	***ICD - 10***
		9	***ICD - 9***
III.3.15	***Discovered By Screening***	***0***	***No (discovered by some other method such as symptomatic patient)***
		1	***Routine screening exam (e.g. routine screening mammogram in asymptomatic patient)***
		2	***Hospital screening program (targeted to a particular cancer)***
		3	***State-sponsored screening program***
		4	***Nationally-sponsored screening program***
		5	***Other type of screening (e.g. American Cancer Society screening project)***
		9	***Unknown if via screening default***

TUMOR DATA

IV.1.7.1	Pathology Report Number-Biopsy/FNA	Ten-character, alphanumeric, left justified. Special characters allowed. May be left blank.

IV.1.7.2	Pathology Report Number-Surgery	Ten-character, alpha numeric, left justified. Special characters allowed. May be left blank.
IV.2	Diagnostic Confirmation	1 POSITIVE HISTOLOGY 2 POSITIVE CYTOLOGY, NO POSITIVE HISTOLOGY 4 POSITIVE MICROSCOPIC CONFIRMATION, METHOD NOT SPECIFIED 5 POSITIVE LABORATORY TEST OR MARKER STUDY 6 DIRECT VISUALIZATION WITHOUT MICROSCOPIC CONFIRMATION 7 RADIOGRAPHY WITHOUT MICROSCOPIC CONFIRMATION 8 CLINICAL DIAGNOSIS ONLY 9 UNKNOWN WHETHER OR NOT MICROSCOPICALLY CONFIRMED
V.1	Primary Site	Four-digit ICD-O-3 code
V.2	Laterality	0 NOT A PAIRED SITE 1 RIGHT SIDE ORIGIN OF PRIMARY 2 LEFT SIDE ORIGIN OF PRIMARY 3 ONE SIDE ONLY INVOLVED, BUT RIGHT OR LEFT SIDE ORIGIN NOT SPECIFIED 4 BOTH SIDES INVOLVED, BUT ORIGIN UNKNOWN 9 PAIRED SITE, BUT NO INFORMATION AVAILABLE CONCERNING LATERALITY
V.3	HistologyType and Behavior	Five-digit ICD-O-3 code
V.3.5	Histology Grade/Diff.	One-digit ICD-O-3 code

Extent of Disease

V.4.1	Extent of Disease	EOD items may be blank if not abstracted prior to January 1, 1994. For cases diagnosed 1/1/94 and after, these fields must be coded. For SEER regions, the date is earlier (1/1/88 for Region 8, and 1/1/92 for Region 1 and Region 9). Please refer to SEER Extent of Disease - 1988 Codes and Coding Instructions - for codes. With the implementation of Collaborative Staging the Regional Nodes Positive and Examined fields are the same fields for CS and for EOD. However, effective with cases diagnosed January 1, 2004 forward, the codes for Regional Nodes Positive have changed. Cases diagnosed prior to January 1, 2004 will be converted. ***Note: Any cases entered after the conversion process should apply the new codes regardless of date of diagnosis.*** The new codes are as follows:

	Regional Nodes Positive	00	ALL NODES EXAMINED ARE NEGATIVE.
		01-89	1-89 NODES ARE POSITIVE. (CODE EXACT NUMBER OF NODES POSITIVE)
		90	90 OR MORE NODES ARE POSITIVE
		95	POSITIVE ASPIRATION OF LYMPH NODE(S) WAS PERFORMED
		97	POSITIVE NODES ARE DOCUMENTED, BUT THE NUMBER IS UNSPECIFIED
		98	NO NODES EXAMINED
		99	IT IS UNKNOWN WHETHER NODES ARE POSITIVE; NOT APPLICABLE; NOT STATED IN PATIENT RECORD

V.4.2 Collaborative Staging

Beginning with cases diagnosed January 1, 2004 forward and for cases with an unknown date of diagnosis first seen at your facility after January 1, 2004, the CCR requires the collection of Collaborative Staging (CS) data items necessary to derive AJCC T, N, M, Stage Group, Summary Stage 1977, and Summary Stage 2000 (Derived AJCC T, Derived AJCC N, Derived AJCC M, Derived AJCC Stage Group, Derived SS1977, Derived SS2000, Derived AJCC Flag, Derived SS2000 Flag, Derived 1977 Flag, CS Version 1st, and CS Version Latest) for all cases. These required data items include:

CS Tumor Size
CS Extension
CS Lymph Nodes
Regional Nodes Positive*
Regional Nodes Examined
CS Mets at Diagnosis
CS Site Specific Factor 1
CS Site Specific Factor 2
CS Site Specific Factor 3
CS Site Specific Factor 4
CS Site Specific Factor 5
CS Site Specific Factor 6

* Definition changes were made to codes 90-97. See Section V.4.1 for the table of new codes for the Regional Nodes Positive field.

The following Collaborative Staging data items are not required by the CCR, but are to be sent from CoC approved facilities:

CS Tumor Size/Extension Evaluation
CS Lymph Node Evaluation
CS Metastasis Evaluation
Derived AJCC T Descriptor
Derived AJCC N Descriptor
Derived AJCC M Descriptor

Please refer to the Collaborative Staging Manual for coding instructions.

Cases diagnosed prior to January 1, 2004 should continue to use the EOD fields with the exception of the Regional Nodes Positive field.

V.5.1	Stage at Diagnosis	Stage at Diagnosis is not required with cases diagnosed on or after January 1, 1994. Hospitals wishing to do so may continue its use. Cases diagnosed prior to January 1, 1994 must continue to be staged using SEER Summary Staging. 0 IN SITU 1 LOCALIZED 2 REGIONAL, DIRECT EXTENSIONS ONLY 3 REGIONAL, NODES ONLY 4 REGIONAL, DIRECT EXTENSION AND NODES 5 REGIONAL, NOS 7 DISTANT METASTASES OR SYSTEMIC DISEASE (REMOTE) 8 NOT APPLICABLE (for coding benign brain tumors, effective with cases diagnosed 1/1/2004 forward) 9 UNSTAGEABLE; UNKNOWN Blank NOT DONE
V.6.1	Tumor Marker 1	For breast cancer cases (C50.0-C50.9) diagnosed on or after 1/1/90 and prostate (C61.9) and testicular (C62.0-C62.9) cancer cases diagnosed on or after 1/1/98. For colorectal cancer cases - Carcinoembryonic Antigen (CEA). For ovarian cancer cases - Carbohydrate Antigen 125 (CA-125). Refer to Section V.6.1 for codes. ***For cases diagnosed January 1, 2004 forward, Tumor Markers 1-3 will be collected in the Collaborative Staging Site Specific Factor fields.***
V.6.2	Tumor Marker 2	For breast cancer cases (C50.0-C50.9) diagnosed on or after 1/1/90 and prostate (C61.9) and testicular (62.0-62.9) cancer cases diagnosed on or after 1/1/98. Refer to Section V.6.2 for codes. ***For cases diagnosed January 1, 2004 forward, Tumor Markers 1-3 will be collected in the Collaborative Staging Site Specific Factor fields.***
V.6.3	Tumor Marker 3	For testicular cancer cases diagnosed on or after 1/1/98. Refer to Section V.6.3 for codes. ***For cases diagnosed January 1, 2004 forward, Tumor Markers 1-3 will be collected in the Collaborative Staging Site Specific Factor fields.***
V.6.4	Tumor Marker-CA-1	Her 2/neu tumor marker for breast cancer. Refer to Section V.6.4 for codes.

ACoS Items

V.7.4	TNM-T Code Clinical	Site-specific code, one, two, or three characters (ACoS), flush left
	TNM-N Code Clinical	Site-specific code, one, two, or three characters (ACoS), flush left
	TNM-M Code Clinical	Site-specific code, two characters (ACoS)

	TNM-T Code Pathological	Site-specific code, one, two, or three characters (ACoS), flush left	
	TNM-N Code Pathological	Site-specific code, one, two, or three characters (ACoS), flush left	
	TNM-M Code Pathological	Site specific code, two characters (ACoS)	
V.7.5	TNM Stage-(Clinical & Pathological)	Site-specific code, one or two characters (ACoS), entered as Arabic (not Roman) numerals; flush left	
V.7.6	TNM Coder (Clinical) (Pathological), and (Other) (ACoS)	0	NOT STAGED
		1	MANAGING PHYSICIAN
		2	PATHOLOGIST
		3	OTHER PHYSICIAN
		4	ANY COMBINATION OF 1, 2 OR 3
		5	REGISTRAR
		6	ANY COMBINATION OF 5 WITH 1, 2 OR 3
		7	OTHER
		8	STAGED, INDIVIDUAL NOT SPECIFIED
		9	UNKNOWN IF STAGED
V.7.7	TNM Edition (ACoS)	May be left blank	
		00	NOT STAGED
		01	FIRST EDITION
		02	SECOND EDITION
		03	THIRD EDITION
		04	FOURTH EDITION
		05	FIFTH EDITION
		06	SIXTH EDITION
		88	NOT APPLICABLE (cases that do not have an AJCC staging scheme and staging was not done)
		99	UNKNOWN
V.7.8	Pediatric Stage	1	STAGE I
		1A	STAGE IA (RHABDOMYOSARCOMAS & RELATED SARCOMAS)
		1B	STAGE IB (RHABDOMYOSARCOMAS & RELATED SARCOMAS)
		2	STAGE II
		2A	STAGE IIA (RHABDOMYOSARCOMAS & RELATED SARCOMAS)
		2B	STAGE IIB (RHABDOMYOSARCOMAS & RELATED SARCOMAS)
		2C	STAGE IIC (RHABDOMYOSARCOMAS & RELATED SARCOMAS)
		3	STAGE III
		3A	STAGE IIIA (LIVER, RHABDO. & RELATED SARCOMAS, WILMS')
		3B	STAGE IIIB (LIVER, RHABDO. & RELATED SARCOMAS, WILMS')
		3C	STAGE IIIC (WILMS' TUMOR)
		3D	STAGE IIID (WILMS' TUMOR)
		3E	STAGE IIIE (WILMS' TUMOR)
		4	STAGE IV
		4A	STAGE IVA (BONE)

		4B	STAGE IVB (BONE)
		4S	STAGE IVS (NEUROBLASTOMA)
		5	STAGE V (WILMS' TUMOR/RETINOBLASTOMA)
		A	STAGE A (NEUROBLASTOMA)
		B	STAGE B (NEUROBLASTOMA)
		C	STAGE C (NEUROBLASTOMA)
		D	STAGE D (NEUROBLASTOMA)
		DS	STAGE DS (NEUROBLASTOMA)
		88	NOT APPLICABLE (NOT A PEDIATRIC CASE)
		99	UNSTAGED, UNKNOWN
V.7.9	Pediatric Stage System	00	NONE
		01	AMERICAN JOINT COMMITTEE ON CANCER
		02	ANN ARBOR
		03	CHILDRENS CANCER GROUP
		04	EVANS
		05	GENERAL SUMMARY
		06	INTERGROUP EWINGS
		07	INTERGROUP HEPATOBLASTOMA
		08	INTERGROUP RHABDOMYSARCOMA
		09	INTERNATIONAL SYSTEM
		10	MURPHY
		11	NATIONAL CANCER INSTITUTE
		12	NATIONAL WILMS TUMOR SURGERY
		13	PEDIATRIC ONCOLOGY GROUP (POG)
		14	REESE-ELLSWORTH
		15	SEER EXTENT OF DISEASE
		16	CHILDRENS ONCOLOGY GROUP
		88	NOT APPLICABLE
		97	OTHER
		99	UNKNOWN
V.7.10	Pediatric Stage Coder	0	NOT STAGED
		1	MANAGING PHYSICIAN
		2	PATHOLOGIST
		3	OTHER PHYSICIAN
		4	ANY COMBINATION OF 1, 2 OR 3
		5	REGISTRAR
		6	ANY COMBINATION OF 5 WITH 1, 2 OR 3
		7	OTHER
		8	STAGED, INDIVIDUAL NOT SPECIFIED
		9	UNKNOWN IF STAGED

FIRST COURSE OF TREATMENT--SUMMARY

VI.1.3.2	RX Date (start date for each of six treatment types)	MMDDYYYY (blank if none; unknown = 99 or 9999 for unknown year) for each of seven types: surgery, radiation, chemotherapy, hormone/steroid, immunotherapy, transplant/endocrine procedure, and other
VI.2.1	Surgery of the Primary Site Procedures 1-3	See Appendix Q-1 for site-specific codes for cases diagnosed prior to January 1, 2003. For cases diagnosed on or after January 1, 2003, see Appendix Q-2.
VI.2.2	Scope of Regional Lymph Node Surgery	Cases diagnosed prior to January 1, 2003 are to be coded in a new field, Scope of Regional LN 98-02. Refer to Appendix

	Procedures 1-3	Q-1 for these codes. For cases diagnosed on or after January 1, 2003, use the following codes: 0 None 1 Biopsy or aspiration of regional lymph node, NOS 2 Sentinel lymph node biopsy 3 Number of regional nodes removed unknown or not stated; regional lymph node removed, NOS 4 1-3 regional lymph nodes removed 5 4 or more regional lymph nodes removed 6 Sentinel node biopsy and code 3,4, or 5 at same time, or timing out not stated 7 Sentinel node biopsy and code 3,4, or 5 at different times 9 Unknown or not applicable
VI.2.3	Number of Regional Lymph Nodes Examined Procedures 1-3	See Appendix Q-1 for site-specific codes
VI.2 .4	Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Nodes Procedures 1-3	Cases diagnosed prior to January 1, 2003 are to be coded in a new field, Surgery Other 98-02. Refer to Appendix Q-1 for these codes. For cases diagnosed on or after January 1, 2003, use the following codes: 0 None 1 Non-primary surgical procedure performed 2 Non-primary surgical procedure to other regional sites 3 Non-primary surgical procedure to *distant lymph node(s)* 4 Non-primary surgical procedure to distant site 5 Combination of codes 9 Unknown This field is for all procedures that do not meet the definitions of Surgery of Primary Site or Scope of Regional Lymph Nodes.
VI.2.5	Date of Surgery Procedures 1-3	MMDDYYYY (blank if none; unknown = 99 or 9999 for unknown year)
VI.2.6	Treatment Hospital Number Procedures 1-3	Ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown
VI.2.7	Surgical Margins	See Appendix Q-1 for site-specific codes for cases diagnosed prior to January 1, 2003. For cases diagnosed on or after January 1, 2003, refer to the FORDS Manual
VI.2.8	Reconstructive Surgery Immediate	See Appendix Q-1 for site-specific codes for cases diagnosed prior to January 1, 2003. This field is no longer required by the CCR or the CoC beginning with cases diagnosed January 1, 2003. Information with regards to reconstruction has been incorporated into the Surgery of the Primary Site field. The old field has been retained and cases diagnosed prior to

		January 1, 2003 must continue to be coded. For these older cases, refer to Appendix Q-1.	
VI.2.9	Reason for No Surgery Of The Primary Site	For sites where "Surgery of the Primary Site" is coded to 00 or 98 (hematopoietic included) use code 1.	
		0	SURGERY OF THE PRIMARY SITE PERFORMED
		1	SURGERY OF THE PRIMARY SITE NOT PERFORMED BECAUSE IT WAS NOT PART OF THE PLANNED FIRST COURSE TREATMENT
		2	SURGERY OF THE PRIMARY SITE NOT PERFORMED BECAUSE OF CONTRAINDICATIONS DUE TO PATIENT RISK FACTORS (COMORBID CONDITIONS, ADVANCED AGE, ETC.)
		5	SURGERY OF THE PRIMARY SITE WAS NOT PERFORMED BECAUSE THE PATIENT DIED PRIOR TO PLANNED OR RECOMMENDED SURGERY
		6	SURGERY OF THE PRIMARY SITE WAS RECOMMENDED BUT NOT PERFORMED. NO REASON WAS NOTED IN THE PATIENT'S RECORD
		7	SURGERY OF THE PRIMARY SITE WAS RECOMMENDED BUT REFUSED BY THE PATIENT, FAMILY MEMBER OR GUARDIAN. THE REFUSAL IS NOTED IN THE PATIENT'S RECORD.
		8	SURGERY OF THE PRIMARY SITE WAS RECOMMENDED BUT UNKNOWN IF PERFORMED
		9	NOT KNOWN IF SURGERY OF THE PRIMARY SITE WAS RECOMMENDED OR PERFORMED; DEATH CERTIFICATE ONLY AND AUTOPSY ONLY CASES
VI.2.10.1	Diagnostic or Staging Procedure Codes	00	NO SURGICAL DIAGNOSTIC OR STAGING PROCEDURE
		01	INCISIONAL, NEEDLE, OR ASPIRATION BIOPSY OF OTHER THAN PRIMARY SITE
		02	INCISIONAL, NEEDLE, OR ASPIRATION BIOPSY OF PRIMARY SITE
		03	EXPLORATORY SURGERY ONLY (no biopsy)
		04	BYPASS SURGERY OR OSTOMY ONLY (no biopsy)
		05	COMBINATION OF 03 PLUS 01 OR 02
		06	COMBINATION OF 04 PLUS 01 OR 02
		07	DIAGNOSTIC OR STAGING PROCEDURE, NOS
		09	UNKNOWN IF DIAGNOSTIC OR STAGING PROCEDURE DONE
VI.2.10	Date Diagnostic and/or Staging Procedure		MMDDYYYY (blank if none; unknown = 99 or 9999 for unknown year)
VI.2.14	***Systemic Therapy With Surgery Sequence***	***0***	***NO SYSTEMIC THERAPY AND /OR SURGICAL PROCEDURES***
		2	***SYSTEMIC THERAPY BEFORE SURGERY***
		3	***SYSTEMIC THERAPY AFTER SURGERY***
		4	***SYSTEMIC THERAPY BOTH BEFORE AND AFTER SURGERY***
		5	***INTRAOPERATIVE SYSTEMIC THERAPY***

		6	***INTRAOPERATIVE SYSTEMIC THERAPY WITH OTHER THERAPY ADMINISTERED BEFORE OR AFTER SURGERY***
		9	***SEQUENCE UNKNOWN***
VI.3.2	Radiation (Generated field for cases diagnosed on or after January 1, 2003)	0	NONE
		1	BEAM RADIATION
		2	RADIOACTIVE IMPLANTS
		3	RADIOISOTOPES
		4	COMBINATION OF 1 WITH 2 OR 3
		5	RADIATION, NOS-METHOD OR SOURCE NOT SPECIFIED
		9	UNKNOWN IF RADIATION THERAPY RECOMMENDED OR GIVEN
		NOTE: Code 6 may appear in converted cases.	
VI.3.3	Radiation- Regional RX Modality	00	NO RADIATION TREATMENT***; DIAGNOSED AT AUTOPSY***
		20	EXTERNAL BEAM, NOS
		21	ORTHOVOLTAGE
		22	COBALT-60, CESIUM-137
		23	PHOTONS (2-5 MV)
		24	PHOTONS (6-10 MV)
		25	PHOTONS (11-19 MV)
		26	PHOTONS (>19 MV)
		27	PHOTONS (MIXED ENERGIES)
		28	ELECTRONS
		29	PHOTONS AND ELECTRONS MIXED
		30	NEUTRONS, WITH OR WITHOUT PHOTONS/ELECTRONS
		31	IMRT
		32	CONFORMAL OR 3-D THERAPY
		40	PROTONS
		41	STEREOTACTIC RADIOSURGERY, NOS
		42	LINAC RADIOSURGERY, NOS
		43	GAMMA KNIFE
		50	BRACHYTHERAPY, NOS
		51	BRACHYTHERAPY, INTRACAVIATARY, LDR
		52	BRACHYTHERAPY, INTRACAVIATARY, HDR
		53	BRACHYTHERAPY, INTERSTITIAL, LDR
		54	BRACHYTHERAPY, INTERSTITIAL, HDR
		55	RADIUM
		60	RADIOISOTOPES, NOS
		61	STRONTIUM-89
		62	STRONTIUM-90
		80	COMBINATION MODALITY, SPECIFIED*
		85	COMBINATION MODALITY, NOS
		98	OTHER, NOS
		99	UNKNOWN***; DEATH CERTIFICATE ONLY***
VI.3.4	Radiation- Boost RX Modality	00	NO BOOST TREATMENT***; DIAGNOSED AT AUTOPSY***
		20	EXTERNAL BEAM, NOS
		21	ORTHOVOLTAGE
		22	COBALT-60, CESIUM-137
		23	PHOTONS (2-5 MV)
		24	PHOTONS (6-10 MV)

		25	PHOTONS (11-19 MV)
		26	PHOTONS (>19 MV)
		27	PHOTONS (MIXED ENERGIES)
		28	ELECTRONS
		29	PHOTONS AND ELECTRONS MIXED
		30	NEUTRONS, WITH OR WITHOUT PHOTONS/ELECTRONS
		31	MRT
		32	CONFORMAL OR 3-D THERAPY
		40	PROTONS
		41	STEREOTACTIC RADIOSURGERY, NOS
		42	LINAC RADIOSURGERY, NOS
		43	GAMMA KNIFE
		50	BRACHYTHERAPY, NOS
		51	BRACHYTHERAPY, INTRACAVIATARY, LDR
		52	BRACHYTHERAPY, INTRACAVIATARY, HDR
		53	BRACHYTHERAPY, INTERSTITIAL, LDR
		54	BRACHYTHERAPY, INTERSTITIAL, HDR
		55	RADIUM
		60	RADIOISOTOPES, NOS
		61	STONTIUM-89
		62	STONTIUM-90
		98	OTHER, NOS
		99	UNKNOWN***; DEATH CERTIFICATE ONLY***
VI. 3.5	Date of Radiation Therapy	00000000	NO RADIATION THERAPY ADMINISTERED; AUTOPSY-ONLY CASE
		88888888	WHEN RADIATION THERAPY IS PLANNED AS PART OF THE FIRST COURSE OF TREATMENT, BUT HAD NOT BEEN STARTED AT THE TIME OF THE MOST RECENT FOLLOW-UP. THE DATE SHOULD BE REVISED AT THE NEXT FOLLOW-UP.
		99999999	WHEN IT IS UNKNOWN WHETHER ANY RADIATION THERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.3.6	Reason for No Radiation	0	RADIATION TREATMENT PERFORMED
		1	RADIATION TREATMENT NOT PERFORMED BECAUSE IT WAS NOT A PART OF THE PLANNED FIRST COURSE TREATMENT
		2	RADIATION CONTRAINDICATED BECAUSE OF OTHER CONDITIONS OR OTHER PATIENT RISK FACTORS (CO-MORBID CONDITIONS, ADVANCED AGE, ETC)
		5	RADIATION TREATMENT NOT PERFORMED BECAUSE THE PATIENT DIED PRIOR TO PLANNED OR RECOMMENDED TREATMENT
		6	RADIATION TREATMENT WAS RECOMMENDED BUT NOT PERFORMED. NO REASON WAS NOTED IN THE PATIENT'S RECORD.
		7	RADIATION TREATMENT WAS RECOMMENDED BUT REFUSED BY THE PATIENT, FAMILY MEMBER OR GUARDIAN. THE REFUSAL IS NOTED IN THE PATIENT'S RECORD.
		8	RADIATION RECOMMENDED, UNKNOWN IF DONE
		9	UNKNOWN IF RADIATION RECOMMENDED

			OR PERFORMED; DEATH CERTIFICATE AND AUTOPSY ONLY CASES
VI.3.7	Radiation Sequence With Surgery	0	NOT APPLICABLE***; DIAGNOSED AT AUTOPSY***
		2	RADIATION BEFORE SURGERY
		3	RADIATION AFTER SURGERY
		4	RADIATION BOTH BEFORE AND AFTER SURGERY
		5	INTRAOPERATIVE RADIATION
		6	INTRAOPERATIVE RADIATION WITH OTHER RADIATION GIVEN BEFORE OR AFTER SURGERY
		9	SEQUENCE UNKNOWN, BUT BOTH SURGERY AND RADIATION WERE GIVEN
VI.4	Chemotherapy	00	NONE, CHEMOTHERAPY WAS NOT PART OF THE PLANNED FIRST COURSE OF THERAPY***; DIAGNOSED AT AUTOPSY***.
		01	CHEMOTHERAPY, NOS.
		02	SINGLE AGENT CHEMOTHERAPY
		03	MULTIAGENT CHEMOTHERAPY ADMINISTERED AS FIRST COURSE THERAPY
		82	CHEMOTHERAPY WAS NOT RECOMMENDED/ ADMINISTERED DUE TO CONTRAINDICATIONS.
		85	CHEMOTHERAPY NOT ADMINISTERED BECAUSE THE PATIENT DIED.
		86	CHEMOTHERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT WAS NOT ADMINISTERED AS PART OF THE FIRST COURSE OF THERAPY. NO REASON WAS STATED IN PATIENT RECORD.
		87	CHEMOTHERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT THIS TREATMENT WAS REFUSED BY THE PATIENT, A PATIENT'S FAMILY MEMBER, OR THE PATIENT'S GUARDIAN. THE REFUSAL WS NOTED IN PATIENT RECORD.
		88	CHEMOTHERAPY WAS RECOMMENDED, BUT IT IS UNKNOWN IF IT WAS ADMINISTERED.
		99	IT IS UNKNOWN WHETHER A CHEMOTHERAPEUTIC AGENT(S) WAS RECOMMENDED OR ADMINISTERED BECASUE IT IS NOT STATED IN PATIENT RECORD. DEATH CERTIFICATE ONLY.
VI.4.3	Date of Chemotherapy	00000000	NO CHEMOTHERAPY ADMINISTERED; AUTOPSY ONLY CASE
		88888888	WHEN CHEMOTHERAPY IS PLANNED AS PART OF THE FIRST COURSE OF TREATMENT, BUT HAD NOT BEEN STARTED AT THE TIME OF THE MOST RECENT FOLLOW-UP, THE DATE SHOULD BE REVISED AT THE NEXT FOLLOW UP.
		99999999	WHEN IT IS UNKNOWN WHETHER ANY CHEMOTHERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.5.4	Hormone Therapy	00	NONE, HORMONE THERAPY WAS NOT PART

			OF THE PLANNED FIRST COURSE THERAPY***; DIAGNOSED AT AUTOPSY***.
		01	HORMONE THERAPY ADMINISTERED AS FIRST COURSE THERAPY.
		82	HORMONE THERAPY WAS NOT RECOMMENDED/ ADMINISTERED BECAUSE IT WAS CONTRAINDICATED DUE TO PATIENT RISK FACTORS (IE, COMORBID CONDITIONS, ADVANCED AGE).
		85	HORMONE THERAPY WAS NOT ADMINISTERED BECAUSE THE PATIENT DIED PRIOR TO PLANNED OR RECOMMENDED THERAPY.
		86	HORMONE THERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT WAS NOT ADMINISTERED AS PART OF THE FIRST COURSE THERAPY. NO REASON WAS STATED IN PATIENT RECORD.
		87	HORMONE THERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT THIS TREATMENT WAS REFUSED BY THE PATIENT, A PATIENT'S FAMILY MEMBER, OR THE PATIENT'S GUARDIAN. THE REFUSAL WAS NOTED IN THE PATIENT RECORD. HORMONE THERAPY WAS RECOMMENDED, BUT IT IS UNKNOWN IF IT WAS ADMINISTERED.
		99	IT IS UNKNOWN WHETHER A HORMONAL AGENT(S) WAS RECOMMENDED OR ADMINISTERED BECAUSE IT IS NOT STATED IN PATIENT RECORD. DEATH CERTIFICATE ONLY.
VI.5.5	Date Of Hormone Therapy	00000000	NO HORMONE THERAPY ADMINISTERED; AUTOPSY-ONLY
		88888888	WHEN HORMONE THERAPY IS PLANNED AS PART OF THE FIRST COURSE OF TREATMENT, BUT HAD NOT BEEN STARTED AT THE TIME OF THE MOST RECENT FOLLOW-UP, THE DATE SHOULD BE REVISED AT THE NEXT FOLLOW UP.
		99999999	WHEN IT IS UNKNOWN WHETHER ANY HORMONE THERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.6	Immunotherapy (Biological Response Modifier)	00	NONE, IMMUNOTHERAPY WAS NOT PART OF PART OF THE PLANNED FIRST COURSE OF THERAPY***; DIAGNOSED AT AUTOPSY***
		01	IMMUNOTHERAPY ADMINISTERED AS FIRST COURSE THERAPY
		82	IMMUNOTHERAPY WAS NOT RECOMMENDED/ADMINISTERED BECAUSE IT WAS CONTRAINDICATED DUE TO PATIENT RISK FACTORS (i.e. COMORBID CONDITIONS, ADVANCED AGE).
		85	IMMUNOTHERAPY WAS NOT ADMINISTERED BECAUSE THE PATIENT DIED PRIOR TO PLANNED OR RECOMMENDED THERAPY.
		86	IMMUNOTHERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT WAS NOT ADMINISTERED AS PART OF THE FIRST COURSE OF

			THERAPY. NO REASON WAS STATED IN PATIENT RECORD.
		87	IMMUNOTHERAPY WAS NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT THIS TREATMENT WAS REFUSED BY THE PATIENT, A PATIENT'S FAMILY MEMBER, OR THE PATIENT'S GUARDIAN. THE REFUSAL WAS NOTED IN THE PATIENT RECORD.
		88	IMMUNOTHERAPY WAS RECOMMENDED, BUT IT IS UNKNOWN IF IT WAS ADMINISTERED.
		99	IT IS UNKNOWN WHETHER AN IMMUNOTHERAPEUTIC AGENT(S) WAS RECOMMENDED OR ADMINISTERED BECAUSE IT IS NOT STATED IN PATIENT RECORD. DEATH CERTIFICATE ONLY.
VI.6.3	Date of Immunotherapy	00000000	NO IMMUNOTHERAPY ADMINISTERED; AUTOPSY-ONLY CASE
		88888888	WHEN IMMUNOTHERAPY IS PLANNED AS PART OF THE FIRST COURSE OF TREATMENT, BUT HAD NOT BEEN STARTED AT THE TIME OF THE MOST RECENT FOLLOW-UP, THE DATE SHOULD BE REVISED AT THE NEXT FOLLOW UP.
		99999999	WHEN IT IS UNKNOWN WHETHER ANY IMMUNOTHERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.7	Transplant/ Endocrine Procedures	00	NO TRANSPLANT PROCEDURE OR ENDOCRINE THERAPY WAS ADMINISTERED AS PART OF THE FIRST COURSE THERAPY***; DIAGNOSED AT AUTOPSY***
		10	A BONE MARROW TRANSPLANT PROCEDURE WAS ADMINISTERED, BUT THE TYPE WAS NOT SPECIFIED
		11	BONE MARROW TRANSPLANT - AUTOLOGOUS
		12	BONE MARROW TRANSPLANT - ALLOGENEIC
		20	STEM CELL HARVEST
		30	ENDOCRINE SURGERY AND/OR ENDOCRINE RADIATION THERAPY
		40	COMBINATION OF ENDOCRINE SURGERY AND/OR RADIATION WITH A TRANSPLANT PROCEDURE. (COMBINATION OF CODES 30 AND 10, 11, 12, OR 20.)
		82	HEMATOLOGIC TRANSPLANT AND/OR ENDOCRINE SURGERY/RADIATION WERE NOT RECOMMENDED/ADMINISTERED BECAUSE IT WAS CONTRAINDICATED DUE TO PATIENT RISK FACTORS (i.e., COMORBID CONDITIONS, ADVANCED AGE).
		85	HEMATOLOGIC TRANSPLANT AND/OR ENDORCRINE SURGERY/RADIATION WERE NOT ADMINISTERED BECAUSE THE PATIENT DIED PRIOR TO PLANNED OR RECOMMENDED THERAPY.
		86	HEMATOLOGIC TRANSPLANT AND/OR ENDORCRINE SURGERY/RADIATION WERE NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT WAS NOT ADMINISTERED AS PART OF THE FIRST COURSE THERAPY. NO REASON WAS STATED IN PATIENT

			RECORD.
		87	HEMATOLOGIC TRANSPLANT AND/OR ENDORCRINE SURGERY/RADIATION WERE NOT ADMINISTERED. IT WAS RECOMMENDED BY THE PATIENT'S PHYSICIAN, BUT THIS TREATMENT WAS REFUSED BY THE PATIENT, A PATIENT'S FAMILY MEMBER, OR THE PATIENT'S GUARDIAN. THE REFUSAL WAS NOTED IN PATIENT RECORD.
		88	HEMATOLOGIC TRANSPLANT AND/OR ENDOCRINE SURGERY/RADIATION WAS RECOMMENDED, BUT IT IS UNKNOWN IF IT WAS ADMINISTERED.
		99	IT IS UNKNOWN WHETHER HEMATOLOGIC TRANSPLANT AND/OR ENDOCRINE SURGERY/ RADIATION WAS RECOMMENDED OR ADMINISTERED BECAUSE IT IS NOT STATED IN PATIENT RECORD. DEATH CERTIFICATE ONLY.
VI.7.2	Date of Transplant/Endocrine Procedure	00000000	NO TRANSPLANT OR ENDOCRINE THERAPY WAS PERFORMED; AUTOPSY-ONLY CASE
		88888888	WHEN TRANSPLANT/ENDOCRINE THERAPY IS PLANNED AS PART OF THE FIRST COURSE OF TREATMENT, BUT HAD NOT BEEN STARTED AT THE TIME OF THE MOST RECENT FOLLOW-UP, THE DATE SHOULD BE REVISED AT THE NEXT FOLLOW UP.
		99999999	WHEN IT IS UNKNOWN WHETHER ANY TRANSPLANT/ENDOCRINE THERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.8	Other Therapy	0	NO OTHER CANCER DIRECTED THERAPY EXCEPT AS CODED ELSEWHERE***; DIAGNOSED AT AUTOPSY***
		1	OTHER CANCER DIRECTED THERAPY
		2	OTHER EXPERIMENTAL CANCER DIRECTED THERAPY (not included elsewhere)
		3	DOUBLE BLIND CLINICAL TRIAL, CODE NOT YET BROKEN
		6	UNPROVEN THERAPY
		7	PATIENT OR PATIENT'S GUARDIAN REFUSED THERAPY WHICH WOULD HAVE BEEN CODED 1-3 ABOVE
		8	OTHER CANCER DIRECTED THERAPY RECOMMENDED, UNKNOWN IF ADMINISTERED
		9	UNKNOWN IF OTHER THERAPY RECOMMENDED OR ADMINISTERED***; DEATH CERTIFICATE ONLY***
VI.8.2	Date of Other Therapy	00000000	NO OTHER THERAPY ADMINISTERED; AUTOPSY ONLY CASE
		99999999	UNKNOWN IF ANY OTHER THERAPY WAS ADMINISTERED; THE DATE IS UNKNOWN, OR THE CASE WAS IDENTIFIED BY DEATH CERTIFICATE ONLY.
VI.9	Protocol Participation	00	Not Applicable
		National Protocols	

01	NSABP
02	GOG
03	RTOG
04	SWOG
05	ECOG
06	POG
07	CCG
08	CALGB
09	NCI
10	ACS
11	National Protocol, NOS
12	ACOS-OG
13	VA [Veterans Administration]
14	COG [Childrens Oncology Group]
15	CTSU [Clinical Trials Support Unit]
16-50	National Trials
51-79	Locally Defined
80	Pharmaceutical
81-84	Locally Defined
85	In-House Trial
86-88	Locally Defined
89	Other
90-98	Locally Defined
99	Unknown

FIRST COURSE OF TREATMENT GIVEN AT REPORTING HOSPITAL

Fields and codes are the same as for First Course of Treatment-Summary.

FOLLOW-UP

VII.2.1	Date of Last Contact	MMDDYYYY (do not leave blank or code year as unknown)	
VII.2.2	Vital Status	0	DEAD
		1	ALIVE
VII.2.3	Date of Last Tumor Status	MMDDYYYY (do not leave blank if patient alive; do not code year as unknown)	
VII.2.4	Tumor Status	1	FREE-NO EVIDENCE OF THIS PRIMARY CANCER
		2	NOT FREE-THIS PRIMARY CANCER STILL EXISTS
		9	UNKNOWN
VII.2.5	Quality of Survival	0	NORMAL ACTIVITY
		1	SYMPTOMATIC AND AMBULATORY
		2	AMBULATORY MORE THAN 50%, OCCASIONALLY NEEDS ASSISTANCE
		3	AMBULATORY LESS THAN 50%, NURSING CARE NEEDED
		4	BEDRIDDEN, MAY REQUIRE HOSPITALIZATION
		8	NOT APPLICABLE; DEAD
		9	UNKNOWN/UNSPECIFIED
VII.2.6.1	Last Type of Tumor Follow-Up	Follow-up obtained by hospital from:	
		00	ADMISSION BEING REPORTED
		01	READMISSION TO REPORTING HOSPITAL

02 FOLLOW-UP REPORT FROM PHYSICIAN
03 FOLLOW-UP REPORT FROM PATIENT
04 FOLLOW-UP REPORT FROM RELATIVE
05 OBITUARY
07 FOLLOW-UP REPORT FROM HOSPICE
08 FOLLOW-UP REPORT FROM OTHER HOSPITAL
09 OTHER SOURCE
11 TELEPHONE CALL TO ANY SOURCE
12 SPECIAL STUDIES
14 ARS (AIDS REGISTRY SYSTEM)
15 COMPUTER MATCH WITH DISCHARGE DATA

Follow-up obtained by regional registry from:

20 LETTER TO A PHYSICIAN
21 COMPUTER MATCH WITH DEPARTMENT OF MOTOR VEHICLES
22 COMPUTER MATCH WITH MEDICARE OR MEDICAID FILE
23 COMPUTER MATCH WITH HMO FILE
25 NATIONAL DEATH INDEX
26 COMPUTER MATCH WITH STATE DEATH TAPE
30 OTHER SOURCE
31 TELEPHONE CALL TO ANY SOURCE
32 SPECIAL STUDIES
34 ARS (AIDS REGISTRY SYSTEM)
35 COMPUTER MATCH WITH DISCHARGE DATA
36 OBITUARY
37 COMPUTER-MATCHING USING ADDRESS SERVICE
38 TRW CREDIT
39 REGIONAL REGISTRY FOLLOW-UP LISTING

Follow-up obtained by central (state) registry from:

40 LETTER TO A PHYSICIAN
41 TELEPHONE CALL TO ANY SOURCE
50 CMS (CENTER FOR MEDICARE AND MEDICAID SERVICES)
51 DEPARTMENT OF MOTOR VEHICLES
52 COMPUTER MATCH WITH MEDICARE OR MEDICAID FILE
53 COMPUTER MATCH WITH HMO FILE
55 NATIONAL DEATH INDEX
56 COMPUTER MATCH WITH STATE DEATH TAPE
57 MEDI-CAL ELIGIBILITY
58 SOCIAL SECURITY - DEATHS
59 COMPUTER MATCH, OTHER OR NOS
60 OTHER SOURCE
61 SOCIAL SECURITY - SSN
62 SPECIAL STUDIES
65 HOSPITAL DISCHARGE DATA - OSHPD
66 NATIONAL CHANGE OF ADDRESS (NCOA)
67 SOCIAL SECURITY ADMINISTRATION EPIDEMIOLOGICAL VITAL STATUS
68 PROPERTY TAX LINKAGE
69 STATE DEATH TAPE DEATH CLEARANCE (INCREMENTAL)

Follow-up obtained by hospitals or facilities usually done by the regional/central registry:

73 COMPUTER MATCH WITH HMO FILE
76 COMPUTER MATCH WITH STATE DEATH TAPE

Additional Codes:

		80 SOCIAL SECURITY ADMINISTRATION 81 PROPERTY TAX LINKAGE 82 PROBE360 83 SSDI - INTERNET 84 E-PATH 85 PATH LABS 86 PATIENT 87 RELATIVE 99 SOURCE UNKNOWN May be blank
VII.2.6.2	Last Type of Patient Follow-Up	Follow-up obtained by hospital from: 00 ADMISSION BEING REPORTED 01 READMISSION TO REPORTING HOSPITAL 02 FOLLOW-UP REPORT FROM PHYSICIAN 03 FOLLOW-UP REPORT FROM PATIENT 04 FOLLOW-UP REPORT FROM RELATIVE 05 OBITUARY 06 FOLLOW-UP REPORT FROM SOCIAL SECURITY ADMINISTRATION OR MEDICARE 07 FOLLOW-UP REPORT FROM HOSPICE 08 FOLLOW-UP REPORT FROM OTHER HOSPITAL 09 OTHER SOURCE 11 TELEPHONE CALL TO ANY SOURCE 12 SPECIAL STUDIES 13 EQUIFAX 14 ARS (AIDS REGISTRY SYSTEM) 15 COMPUTER MATCH WITH DISCHARGE DATA Follow-up obtained by regional registry from: 20 LETTER TO A PHYSICIAN 21 COMPUTER MATCH WITH DEPARTMENT OF MOTOR VEHICLES FILE 22 COMPUTER MATCH WITH MEDICARE OR MEDICAID FILE 23 COMPUTER MATCH WITH HMO FILE 24 COMPUTER MATCH WITH VOTER REGISTRATION FILE 25 NATIONAL DEATH INDEX 26 COMPUTER MATCH WITH STATE DEATH TAPE 27 DEATH MASTER FILE (SOCIAL SECURITY) 29 COMPUTER MATCH, OTHER OR NOS 30 OTHER SOURCE 31 TELEPHONE CALL TO ANY SOURCE 32 SPECIAL STUDIES 33 EQUIFAX 34 ARS (AIDS REGISTRY SYSTEM) 35 COMPUTER MATCH WITH DISCHARGE DATA 36 OBITUARY 37 COMPUTER MATCH WITH CHANGE OF ADDRESS SERVICE 38 TRW 39 REGIONAL REGISTRY FOLLOW-UP LIST Follow-up obtained by central (state) registry from: 40 LETTER TO A PHYSICIAN 41 TELEPHONE CALL TO ANY SOURCE

		50	***CMS (CENTER FOR MEDICAL AND MEDICAID SERVICES)***
		51	COMPUTER MATCH WITH DEPARTMENT OF MOTOR VEHICLES FILE
		52	COMPUTER MATCH WITH MEDICARE OR MEDICAID FILE
		53	COMPUTER MATCH WITH HMO FILE
		54	COMPUTER MATCH WITH VOTER REGISTRATION FILE
		55	NATIONAL DEATH INDEX
		56	COMPUTER MATCH WITH STATE DEATH TAPE
		57	COMPUTER MATCH WITH MEDI-CAL
		58	COMPUTER MATCH WITH SOCIAL SECURITY DEATH FILE
		59	COMPUTER MATCH, OTHER OR NOS
		60	OTHER SOURCE
		61	***SOCIAL SECURITY - SSN***
		62	SPECIAL STUDIES
		65	COMPUTER MATCH WITH OSHPD HOSPITAL DISCHARGE DATABASE
		66	COMPUTER MATCH WITH NATIONAL CHANGE OF ADDRESS FILE
		67	***SOCIAL SECURITY ADMINISTRATION EPIDEMIOLOGICAL VITAL STATUS***
		68	***PROPERTY TAX LINKAGE***
		69	***STATE DEATH TAPE DEATH CLEARANCE (INCREMENTAL)***
		Follow-up obtained by hospitals or facilities usually done by the regional/central registry:	
		73	COMPUTER MATCH WITH HMO FILE
		76	COMPUTER MATCH WITH STATE DEATH TAPE
		Additional Codes:	
		80	***SOCIAL SECURITY ADMINISTRATION***
		81	***PROPERTY TAX LINKAGE***
		82	***PROBE360***
		83	***SSDI - INTERNET***
		84	***E-PATH***
		85	***PATH LABS***
		86	***PATIENT***
		87	***RELATIVE***
		99	SOURCE UNKNOWN
VII.2.7	Last Follow-Up Hospital	Ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown	
VII.2.8	Next Type of Follow-Up	0	SUBMIT A REQUEST FOR THE PATIENT'S CHART TO THE REPORTING HOSPITAL'S MEDICAL RECORDS DEPARTMENT
		1	SEND A FOLLOW-UP LETTER TO THE PATIENT'S PHYSICIAN
		2	SEND A FOLLOW-UP LETTER TO THE PERSON DESIGNATED AS THE CONTACT FOR THE PATIENT
		3	CONTACT THE PATIENT OR DESIGNATED CONTACT BY TELEPHONE
		4	REQUEST FOLLOW-UP INFORMATION FROM

			ANOTHER HOSPITAL
		5	FOLLOW-UP BY A METHOD NOT DESCRIBED ABOVE
		6	SEND A FOLLOW-UP LETTER TO THE PATIENT
			May be blank
VII.2.9	Next Follow-Up Hosp.	A ten-digit number assigned by CCR (see code or alphabetic listing found on the CCR web site at: http://www.ccrcal.org/edits/CA_Hosp_Codes_by_code.pdf and http://www.ccrcal.org/edits/CA_Hosp_Codes_by_name.pdf); blank if unknown	

Recurrence Information

The fields may be blank if recurrence information is not collected.

VII.2.12.1	Recurrence Date	MMDDYY (99 = unknown 9999 for unknown year); leave blank if no recurrence or patient never free	
VII.2.12.2	Recurrence Type--1st	00	NONE, DISEASE FREE
		01	IN SITU
		06	RECURRENCE FOLLOWING DIAGNOSIS OF AN IN SITU LESION OF THE SAME SITE
		10	LOCAL
		11	TROCAR SITE
		15	COMBINATION OF 10 AND 11
		16	LOCAL RECURRENCE FOLLOWING AN IN SITU LESION OF THE SAME SITE
		17	COMBINATION OF 16 WITH 10, 11 AND/OR 15
		20	REGIONAL, NOS
		21	REGIONAL TISSUE
		22	REGIONAL LYMPH NODES
		25	COMBINATION OF 21 AND 22
		26	REGIONAL RECURRENCE FOLLOWING AN IN SITU LESION OF THE SAME SITE
		27	COMBINATION OF 26 WITH 21, 22, AND/OR 25
		30	ANY COMBINATION OF 10, 11, AND 20, 21 OR 22
		36	ANY COMBINATION OF RECURRENCE FOLLOWING AN IN SITU LESION OF THE SAME SITE WITH 10, 11, 20, 21 OR 22
		40	DISTANT RECURRENCE, AND THERE IS INSUFFICIENT INFORMATION AVAILABLE TO CODE TO 46-62
		46	DISTANT RECURRENCE OF AN IN SITU TUMOR
		51	DISTANT RECURRENCE OF INVASIVE TUMOR IN THE PERITONEUM ONLY. PERITONEUM INCLUDES PERITONEAL SURFACES OF ALL STRUCTURES WITHIN THE ABDOMINAL CAVITY AND/OR POSITIVE ASCITIC FLUID.
		52	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN THE LUNG ONLY. LUNG INCLUDES THE VISCERAL PLEURA.
		53	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN THE PLEURA ONLY. PLEURA

	INCLUDES THE PLEURAL SURFACE OF ALL STRUCTURES WITHIN THE THORACIC CAVITY AND/OR POSITIVE PLEURAL FLUID.
54	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN THE LIVER ONLY.
55	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN BONE ONLY. THIS INCLUDES BONES OTHER THAN THE PRIMARY SITE.
56	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN THE CNS ONLY. THIS INCLUDES THE BRAIN AND SPINAL CORD, BUT NOT THE EXTERNAL EYE.
57	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN THE SKIN ONLY. THIS INCLUDES SKIN OTHER THAN THE PRIMARY SITE.
58	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN LYMPH NODE ONLY. REFER TO THE STAGING SCHEME FOR A DESCRIPTION OF LYMPH NODES THAT ARE DISTANT FOR A PARTICULAR SITE.
59	DISTANT SYSTEMIC RECURRENCE OF AN INVASIVE TUMOR ONLY. THIS INCLUDES LEUKEMIA, BONE MARROW METASTASIS, CARCINOMATOSIS, GENERALIZED DISEASE.
60	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN A SINGLE DISTANT SITE (51-58) AND LOCAL, TROCAR AND/OR REGIONAL RECURRENCE (10-15, 20-25, OR 30).
62	DISTANT RECURRENCE OF AN INVASIVE TUMOR IN MULTIPLE SITES (RECURRENCES THAT CAN BE CODED TO MORE THAN ONE CATEGORY 51-59).
70	SINCE DIAGNOSIS, PATIENT HAS NEVER BEEN DISEASE-FREE. THIS INCLUDES CASES WITH DISTANT METASTASIS AT DIAGNOSIS, SYSTEMIC DISEASE, UNKNOWN PRIMARY, OR MINIMAL DISEASE THAT IS NOT TREATED.
88	DISEASE HAS RECURRED, BUT THE TYPE OF RECURRENCE IS UNKNOWN
99	IT IS UNKNOWN WHETHER THE DISEASE HAS RECURRED OR IF THE PATIENT WAS EVER DISEASE-FREE

NOTE: The Distant Recurrence Sites field has been removed and incorporated into the Type of First Recurrence field.

Death Information

VII.2.13 Place of Death

If the patient has died, enter the code for the state or country where the death occurred in the Place of Death field. (The code for California is 097. See Appendices C and D for other codes.)

		If the patient is still alive, use code 997.
VII.2.13	Cause of Death	Four-digit ICD code; not coded by hospitals
VII.2.13	DC State File Number	Six-digit number; not entered by hospital

APPENDIX J

PATIENT INFORMATION SHEET

CCR suggests the following statement be used by hospitals and physicians in notifying their patients that cancer is a reportable disease:

CALIFORNIA CANCER REPORTING SYSTEM

PATIENT INFORMATION SHEET

California Department of Health Services (CDHS) is mandated under state law (Health and Safety Code, Section 103885) to gather information on the amount and type of cancer occurring throughout the state. The purpose of the law is to help identify preventable causes of cancer.

For the system to be useful, it must obtain complete and accurate counts of all new cancers that occur. Therefore the new law requires hospitals and physicians to notify the appropriate regional registry of each new case of cancer.

The information collected is confidential under California Health and Safety Code Sections 100330 and 103885, Civil Code, Sections 56.05 and 1798, Government Code, Sections 6250-62-65, and Federal Law PL 104-191. CDHS has more than 50 years' experience in handling confidential records. Laws, regulations and programmatic safeguards are in place throughout the system to assure that the identities of patients are not revealed. Some cancer patients may, however, be contacted later by CDHS or the regional cancer registries as part of their ongoing investigations into the causes of cancer.

APPENDIX K

SCREENING LIST OF ICD-9-CM CODES FOR CASEFINDING

Certain ICD-9-CM* codes used by medical records departments for discharge diagnoses identify cases of malignant neoplasms that are reportable to the California Cancer Registry. Case finding procedures should include the review of medical records coded with the following numbers. Newly reportable diseases are followed by the ICD-O-3 morphology and behavior code in parentheses.

ICD-9-CM* CODE	
042	AIDS (review cases for AIDS-related malignancies)
140.0-208.9	Malignant neoplasms (primary and secondary)
203.1	Plasma cell leukemia (9733/3)
205.1	Chronic neutrophilic leukemia (9963/3)
225.0-227.4	Benign central nervous system neoplasms
230.0–234.9	Carcinoma in situ
235.0–238.9	Neoplasms of uncertain behavior
236.2	Ovarian neoplasms of uncertain behavior (8442/1, 8451/1, 8462/1, 8472/1, 8473/1)
237.0–237.9	Central nervous system neoplasms of uncertain behavior
238.4	Polycythemia vera (9950/3)
238.6	Solitary plasmacytoma (9731/3)
238.6	Extramedullary plasmacytoma (9734/3)
238.7	Chronic myeloproliferative disease (9960/3)
238.7	Myelosclerosis with myeloid metaplasia (9961/3)
238.7	Essential thrombocythemia (9962/3)
238.7	Refractory cytopenia with multilineage dysplasia (9985/3)
238.7	Myelodysplastic syndrome with 5q-syndrome (9986/3)
238.7	Therapy-related myelodysplastic syndrome (9987/3)
239.0–239.9	Neoplasms of unspecified nature
273.2	Gamma heavy chain disease
	Franklin's disease
273.3	Waldenstrom's macroglobulinemia
273.9	Unspecified disorder of plasma protein metabolism (screen for potential 273.3 miscodes)
284.9	Refractory anemia (9980/3)
285.0	Refractory anemia with ringed sideroblasts (9982/3)
285.0	Refractory anemia with excess blasts (9983/3)
285.0	Refractory anemia with excess blasts in transformation (9984/3)
288.3	Hypereosinophilic syndrome (9964/3)
289.8	Acute myelofibrosis (9932/3)
V07.3	Other prophylactic chemotherapy
V07.8	Other specified prophylactic measures
V10.0-V10.9	Personal history of malignant neoplasms
V58.0	Radiotherapy session
V58.1	Maintenance chemotherapy
V66.1	Convalescence following radiotherapy
V66.2	Convalescence following chemotherapy
V67.1	Follow-up exam following radiotherapy
V67.2	Follow-up exam following chemotherapy
V71.1	Observation for suspected malignant neoplasm
V76.0–V76.9	Special screening for malignant neoplasms

Please Note:

- Code 042 is not a combination code of AIDS with specified malignancies.
- Prostatic Intraepithelial Neoplasia (PIN III), morphology code 8148/2 is not reportable to the CCR.
- Pilocytic/juvenile astrocytoma, morphology code 9421, is reportable as a /3 behavior code and is assigned a regular tumor sequence number per SEER requirements, effective with cases diagnosed 1/1/2001 and forward.
- Ovarian borderline cystadenomas, morphology codes 8442/1, 8451/1, 8462/1, 8472/1 and 8473/1, which changed behavior codes from /3 to /1 will continue to be reportable to the CCR. These tumors are to be sequenced following the American College of Surgeons guideline for benign tumors.

* *International Classification of Diseases, 9th Revision, Clinical Modification, 4th ed.*

APPENDIX L.1

CODES FOR CALIFORNIA COUNTIES

(in alphabetical order)

ALAMEDA	001	ORANGE	030
ALPINE	002	PLACER	031
AMADOR	003	PLUMAS	032
BUTTE	004	RIVERSIDE	033
CALAVERAS	005	SACRAMENTO	034
CALIFORNIA NOS	000	SAN BENITO	035
COLUSA	006	SAN BERNARDINO	036
CONTRA COSTA	007	SAN DIEGO	037
DEL NORTE	008	SAN FRANCISCO	038
EL DORADO	009	SAN JOAQUIN	039
FRESNO	010	SAN LUIS OBISPO	040
GLENN	011	SAN MATEO	041
HUMBOLDT	012	SANTA BARBARA	042
IMPERIAL	013	SANTA CLARA	043
INYO	014	SANTA CRUZ	044
KERN	015	SHASTA	045
KINGS	016	SIERRA	046
LAKE	017	SISKIYOU	047
LASSEN	018	SOLANO	048
LOS ANGELES	019	SONOMA	049
MADERA	020	STANISLAUS	050
MARIN	021	SUTTER	051
MARIPOSA	022	TEHAMA	052
MENDOCINO	023	TRINITY	053
MERCED	024	TULARE	054
MODOC	025	TUOLUMNE	055
MONO	026	US NOT CALIF	000
MONTEREY	027	VENTURA	056
NAPA	028	YOLO	057
NEVADA	029	YUBA	058

APPENDIX L.2

CODES FOR CALIFORNIA COUNTIES

(in numerical order)

000	CALIFORNIA NOS	029	NEVADA
000	US NOT CALIF	030	ORANGE
001	ALAMEDA	031	PLACER
002	ALPINE	032	PLUMAS
003	AMADOR	033	RIVERSIDE
004	BUTTE	034	SACRAMENTO
005	CALAVERAS	035	SAN BENITO
006	COLUSA	036	SAN BERNARDINO
007	CONTRA COSTA	037	SAN DIEGO
008	DEL NORTE	038	SAN FRANCISCO
009	EL DORADO	039	SAN JOAQUIN
010	FRESNO	040	SAN LUIS OBISPO
011	GLENN	041	SAN MATEO
012	HUMBOLDT	042	SANTA BARBARA
013	IMPERIAL	043	SANTA CLARA
014	INYO	044	SANTA CRUZ
015	KERN	045	SHASTA
016	KINGS	046	SIERRA
017	LAKE	047	SISKIYOU
018	LASSEN	048	SOLANO
019	LOS ANGELES	049	SONOMA
020	MADERA	050	STANISLAUS
021	MARIN	051	SUTTER
022	MARIPOSA	052	TEHAMA
023	MENDOCINO	053	TRINITY
024	MERCED	054	TULARE
025	MODOC	055	TUOLUMNE
026	MONO	056	VENTURA
027	MONTEREY	057	YOLO
028	NAPA	058	YUBA

APPENDIX M.1

COMMON ACCEPTABLE ABBREVIATIONS

(in order of terms)

Do not use non-standard abbreviations in abstracts. When abbreviating words in an address, refer to the Address Abbreviations section of the *National Zip Code and Post Office Directory*, published by the U.S. Postal Service. For short names of antineoplastic drugs, consult the SEER Program *Self Instructional Manual for Tumor Registrars: Book 8-Antineoplastic Drugs, 3rd Edition*. Other accepted abbreviations are:

Abdomen	ABD
Abdominal Perineal	AP
Above Knee (Amputation)	AK(A)
Acid Phosphatase	ACID PHOS
Acquired Immunodeficiency Syndrome	AIDS
Acute Granulocytic Leukemia	AGL
Acute Lymphocytic Leukemia	ALL
Acute Myelogenous Leukemia	AML
Adenocarcinoma	ADENOCA
Adjacent	ADJ
Admission; Admit	ADM
Against Medical Advice	AMA
Aids Related Complex	ARC
Alcohol	ETOH
Alkaline Phosphatase	ALK PHOS
Alpha-fetoprotein	AFP
Also Known As	AKA
Ambulatory	AMB
Anal Intraepithelial Neoplasia	AIN
Anaplastic	ANAP
Angiography	ANGIO
Anterior	ANT
Anteroposterior	AP
Appendix	APP
Approximately	APPROX
Arteriovenous	AV
Aspiration	ASP
Auscultation & Percussion	A&P
Autopsy	AUT
Axilla(ry)	AX
Bacillus Calmette-Guerin	BCG
Barium	BA
Barium Enema	BE
Bartholin's, Urethral, & Skene's Glands	BUS
Below Knee (Amputation)	BK(A)
Benign Prostatic Hypertrophy/Hyperplasia	BPH
Bilateral	BIL
Bilateral Salpingo-oophorectomy	BSO
Bile Duct	BD
Biological Response Modifier	BRM
Biopsy	BX
Blood Urea Nitrogen	BUN

Bone Marrow	BM
Bone Scan	BSC
Bowel Movement	BM
Bowel Sounds	BS
Breath Sounds	BS, BRS
Bright Red Blood (per Rectum)	BRB(PR)
Calcium	CA
Carcinoembryonic Antigen	CEA
Carcinoma	CA
Carcinoma In Situ	CIS
CAT Scan	CT, CT SC
Centimeter	CM
Central Nervous System	CNS
Cerebrospinal Fluid	CSF
Cervical Intraepithelial Neoplasia	CIN
Cervical Vertebra	C1-C7
Cervix	CX
Cesium	CS
Chemotherapy	CHEMO
Chest Xray	CXR
Chief Complaint	CC
Chronic Granulocytic Leukemia	CGL
Chronic Lymphocytic Leukemia	CLL
Chronic Myeloid Leukemia	CML
Cigarettes	CIG
Clear	CLR
Colon	
Ascending	A-COLON
Descending	D-COLON
Sigmoid	S-COLON
Transverse	T-COLON
Common Bile Duct	CBD
Complaining of	C/O
Complete Blood Count	CBC
Computerized Axial Tomography Scan	CT, CAT SCAN
Consistent with	C/W
Continue	CONT
Costal Margin	CM
Cubic Centimeter	CC
Cystoscopy	CYSTO
Cytology	CYTO
Cytomegalovirus	CMV
Date of Birth	DOB
Dead on Arrival	DOA
Decreased	DECR (or <)
Dermatology	DERM
Diagnosis	DX
Diameter	DIAM
Differentiated	DIFF
Dilatation and Curettage	D&C
Discharge	DIS, DISCH, DS
Discontinued	DC
Disease	DZ, DIS
Doctor	PMD
Doctor	DR, MD
Ductal Carcinoma In Situ	DCIS
Ductal Intraepithelial Neoplasia	DIN

Ears, Nose, and Throat	ENT
Electroencephalogram	EEG
Electromyogram	EMG
Emergency Room	ER
Endoscopic Retrograde Cholangiopancreatography	ERCP
Enlarged	ENL
Esophagogastroduodenoscopy	EGD
Estrogen Receptor (Assay)	ER(A)
Evaluation	EVAL
Examination	EXAM
Examination under Anesthesia	EUA
Excision	EXC
Exploratory Laparotomy	EXP LAP
Extend	EXT
Extended Care Facility	ECF
Extension	EXT
External	EXT
Extremity	EXT
Eyes, Ears, Nose, and Throat	EENT
Family (Medical) History	F(M)H
Fever Unknown Origin	FUO
Fingerbreadth	FB
Floor of Mouth	FOM
Follow-up	FU
Fracture	FX
Frozen Section	FS
Gallbladder	GB
Gastroenterostomy	GE
Gastroesophageal	GE
Gastrointestinal	GI
Genitourinary	GU
Grade	GR
Gram	GM
Gynecology	GYN
Head, Eyes, Ears, Nose, Throat	HEENT
Hematocrit	HCT
Hemoglobin	HGB
Hepatosplenomegaly	HSM
History	HX
History and Physical	H&P
History of	HO
History of Present Illness	HPI
Hormone	HORM
Hospital	HOSP
Hour, Hours	HR, HRS
Human Chorionic Gonadotropin	HCG
Human Immunodeficiency Virus	HIV
Human Papilloma Virus	HPV
Human T-Lymphotrophic Virus Type III	HTLV-III
Hysterectomy	HYST
Immunoglobulin	IG
Impression	IMP
Includes, Including	INCL
Increase	INCR (or >)
Inferior Vena Cava	IVC
Infiltrating	INFILT
Inpatient	IP

Intercostal Margin	ICM
Internal Mammary Artery	IMA
Intrathecal	IT
Intravenous	IV
Intravenous Pyelogram	IVP
Iodine	I
Jugular Venous Distention	JVD
Kidneys, Ureters, Bladder	KUB
Kilogram	KG
Kilovolt	KV
Laparotomy	LAP
Large	LG
Laryngeal Intraepithelial Neoplasia	LIN
Last Menstrual Period	LMP
Lateral	LAT
Left	L, LT
Left Costal Margin	LCM
Left Lower Extremity	LLE
Left Lower Lobe	LLL
Left Lower Quadrant	LLQ
Left Salpingo-oophorectomy	LSO
Left Upper Extremity	LUE
Left Upper Lobe	LUL
Left Upper Quadrant	LUQ
Liter	L
Liver, Kidney, Spleen (Bladder)	LKS(B)
Lobular Carcinoma In Situ	LCIS
Local M.D.	LMD
Lower Extremity	LE
Lower Inner Quadrant	LIQ
Lower Outer Quadrant	LOQ
Lumbar Puncture	LP
Lumbar Vertebra	L1-L5
Lumbosacral	LS
Lymph Node(s)	LN, LN'S, LNS
Lymphadenopathy	LAD/LAN
Lymphadenopathy-Associated Virus	LAV
Magnetic Resonance Imaging	MRI
Malignant	MALIG, MAL
Mandible	MAND
Mastectomy	MAST
Maxilla(ry)	MAX
Maximum	MAX
Medicine	MED
Metastatic, Metastases	MET, METS
Microscopic	MICRO
Midclavicular Line	MCL
Middle Lobe	ML
Millicurie (hours)	MC(H)
Milligram (hours)	MG(H)
Milliliter	ML
Millimeter	MM
Million Electron Volts	MEV
Minimum	MIN
Moderate	MOD
Moderately Differentiated	MD, MOD DIFF
Modified Radical Mastectomy	MRM

Nausea and Vomiting	N&V
Neck Vein Distention	NVD
Negative	NEG (or -)
Neurology	NEURO
No Evidence of Disease	NED
No Significant Findings	NSF
Normal	NL
Not Applicable	NA
Not Otherwise Specified	NOS
Not Recorded	NR
Obstructed (-ing, -ion)	OBST
Operating Room	OR
Operation	OP
Operative Report	OP REPORT
Ounce	OZ
Outpatient	OP
Packs per Day	PPD
Palpated (-able)	PALP
Papanicolaou Smear	PAP
Papillary	PAP
Past Medical History	PMH
Pathology	PATH
Patient	PT
Pelvic Inflammatory Disease	PID
Percussion and Auscultation	P&A
Percutaneous	PERC
Personal (Primary) Medical Medical Doctor	DR, MD
Physical Examination	PE
Platelets	PLT
Poorly Differentiated	PD, POOR DIFF
Positive	POS (or +)
Positron Emission Tomography	PET
Possible	POSS
Posterior	POST
Posteroanterior	PA
Postmortem Examination	POST
Postoperative (-ly)	PO, POSTOP
Postoperative Day	POD
Preoperative (-ly)	PREOP
Present Illness	PI
Prior to Admission	PTA
Probable (-ly)	PROB
Progesterone Receptor (Assay)	PR(A)
Prostatic Intraepithelial Neoplasia	PIN
Pulmonary	PULM
Pulmonary Artery	PA
Radiation	RAD
Radiation Absorbed Dose	RAD
Radiation Therapy	RT/XRT
Radical	RAD
Radioimmunoassay	RIA
Radium	RA
Red Blood Cells	RBC
Resection	RESEC
Respiratory	RESPIR
Review of Outside Films	ROF
Review of Outside Slides	ROS

Review of Systems	ROS
Right	R, RT
Right Costal Margin	RCM
Right Lower Extremity	RLE
Right Lower Lobe	RLL
Right Lower Quadrant	RLQ
Right Middle Lobe	RML
Right Salpingo-oophorectomy	RSO
Right Upper Extremity	RUE
Right Upper Lobe	RUL
Right Upper Quadrant	RUQ
Rule Out	RO, R/O
Sacral Vertebra	S1-S5
Salpingo-oophorectomy	SO
Sentinel Lymph Node	SLN
Sequential Multiple Analysis (Biochem Profile)	SMA
Serum Glutamic Oxaloacetic Transaminase	SGOT
Serum Glutamic Pyruvic	SGPT
Shortness of Breath	SOB
Skilled Nursing Facility	SNF
Small	SM, SML
Small Bowel	SB, SML BWL
Specimen	SPEC
Spine	
Cervical	C-SPINE
Lumbar	L-SPINE
Sacral	S-SPINE
Thoracic	T-SPINE
Split Thickness Skin Graft	STSG
Squamous	SQ, SQUAM
Squamous Cell Carcinoma	SCC
Squamous Intraepithelial Lesion	SIL
Status Post	S/P
Subcutaneous	SUB-Q, SUBQ, SQ
Superior Vena Cava	SVC
Surgery, Surgical	SURG
Symptoms	SX
Thoracic	T
Thoracic Vertebra	T1-T12
Total Abdominal Hysterectomy-Bilateral Salpingo-oophorectomy	TAH-BSO
Total Parenteral Nutrition	TPN
Total Vaginal Hysterectomy	TVH
Transitional Cell Carcinoma	TCC
Transurethral Resection Bladder (Tumor)	TURB(T)
Transurethral Resection	TUR
Transurethral Resection Prostate	TURP
Treatment	RX, TX
Tumor Size	TS
Undifferentiated	UNDIFF
Upper Extremity	UE
Upper Gastrointestinal	UGI
Upper Inner Quadrant	UIQ
Upper Outer Quadrant	UOQ
Vagina, Vaginal	VAG
Vaginal Hysterectomy	VAG HYST
Vaginal Intraepithelial Neoplasia	VAIN
Vascular	VASC

Vulvar Intraepithelial Neoplasia	VIN
Well Differentiated	WD, WELL DIFF
White Blood Cells	WBC
With	W/ or C
Within Normal Limits	WNL
Without	W/O
Work-up	W/U
Xray	XR
Year	YR

Symbols	
At	@
Comparison	/
Decrease, less than	<
Equals	=
Increase, more than	>
Negative	-
Number*	#
Positive	+
Pounds**	#
Times	x

*If it appears before a numeral.

**If it appears after a numeral.

APPENDIX M.2

COMMON ACCEPTABLE ABBREVIATIONS

(in order of abbreviations)

Do not use non-standard abbreviations in abstracts. When abbreviating words in an address, refer to the Address Abbreviations section of the *National Zip Code and Post Office Directory*, published by the U.S. Postal Service. For short names of antineoplastic drugs, consult the SEER Program *Self Instructional Manual for Tumor Registrars: Book 8-Antineoplastic Drugs, 3rd Edition*. Other accepted abbreviations are:

A&P	>Auscultation & Percussion
A-COLON	Ascending Colon
ABD	Abdomen
ACID PHOS	Acid Phosphatase
ADENOCA	Adenocarcinoma
ADJ	Adjacent
ADM	Admission; Admit
AFP	Alpha-fetoprotein
AGL	Acute Granulocytic Leukemia
AIDS	Acquired Immunodeficiency Syndrome
AIN	Anal Intraepithelial Neoplasia
AK(A)	Above Knee (Amputation)
AKA	Also Known As
ALK PHOS	Alkaline Phosphatase
ALL	Acute Lymphocytic Leukemia
AMA	Against Medical Advice
AMB	Ambulatory
AML	Acute Myelogenous Leukemia
ANAP	Anaplastic
ANGIO	Angiography
ANT	Anterior
APPROX	Approximately
APP	Appendix
AP	Abdominal Perineal
AP	Anteroposterior
ARC	Aids Related Complex
ASP	Aspiration
AUT	Autopsy
AV	Arteriovenous

AX	Axilla(ry)
BA	Barium
BCG	Bacillus Calmette-Guerin
BD	Bile Duct
BE	Barium Enema
BIL	Bilateral
BK(A)	Below Knee (Amputation)
BM	Bowel Movement
BM	Bone Marrow
BPH	Benign Prostatic Hypertrophy/Hyperplasia
BRB(PR)	Bright Red Blood (per Rectum)
BRM	Biological Response Modifier
BS, BRS	Breath Sounds
BSC	Bone Scan
BSO	Bilateral Salpingo-oophorectomy
BS	Bowel Sounds
BUN	Blood Urea Nitrogen
BUS	Bartholin's, Urethral, & Skene's Glands
BX	Biopsy
C-SPINE	Cervical Spine
C/O	Complaining of
C/W	Consistent with
C1-C7	Cervical Vertebra
CA	Carcinoma
CA	Calcium
CBC	Complete Blood Count
CBD	Common Bile Duct
CC	Cubic Centimeter
CC	Chief Complaint
CEA	Carcinoembryonic Antigen
CGL	Chronic Granulocytic Leukemia
CHEMO	Chemotherapy
CIG	Cigarettes
CIN	Cervical Intraepithelial Neoplasia
CIS	Carcinoma In Situ
CLL	Chronic Lymphocytic Leukemia
CLR	Clear
CML	Chronic Myeloid Leukemia
CMV	Cytomegalovirus
CM	Costal Margin
CM	Centimeter
CNS	Central Nervous System

CONT	Continue
CSF	Cerebrospinal Fluid
CS	Cesium
CT, CT SC	Computerized Axial Tomography Scan, CAT Scan
CXR	Chest Xray
CX	Cervix
CYSTO	Cystoscopy
CYTO	Cytology
C	With
D&C	Dilatation and Curettage
D-COLON	Descending Colon
DCIS	Ductal Carcinoma In Situ
DC	Discontinued
DECR (or <)	Decreased
DERM	Dermatology
DIAM	Diameter
DIFF	Differentiated
DIN	Ductal Intraepithelial Neoplasia
DIS, DISCH	Discharge
DIS	Disease
DOA	Dead on Arrival
DOB	Date of Birth
DR	(Medical) Doctor
DS	Discharge
DX	Diagnosis
DZ	Disease
ECF	Extended Care Facility
EEG	Electroencephalogram
EENT	Eyes, Ears, Nose, and Throat
EGD	Esophagogastroduodenoscopy
EMG	Electromyogram
ENL	Enlarged
ENT	Ears, Nose, and Throat
ER(A)	Estrogen Receptor (Assay)
ERCP	Endoscopic Retrograde Cholangiopancreatography
ER	Emergency Room
ETOH	Alcohol
EUA	Examination under Anesthesia
EVAL	Evaluation
EXAM	Examination
EXC	Excision
EXP LAP	Exploratory Laparotomy

EXT	Extension
EXT	Extremity
EXT	External
EXT	Extend
F(M)H	Family (Medical) History
FB	Fingerbreadth
FOM	Floor of Mouth
FS	Frozen Section
FUO	Fever Unknown Origin
FU	Follow-up
FX	Fracture
GB	Gallbladder
GE	Gastroenterostomy
GE	Gastroesophageal
GI	Gastrointestinal
GM	Gram
GR	Grade
GU	Genitourinary
GYN	Gynecology
H&P	History and Physical
HCG	Human Chorionic Gonadotropin
HCT	Hematocrit
HEENT	Head, Eyes, Ears, Nose, Throat
HGB	Hemoglobin
HIV	Human Immunodeficiency Virus
HORM	Hormone
HOSP	Hospital
HO	History of
HPI	History of Present Illness
HPV	Human Papilloma Virus
HR, HRS	Hour, Hours
HSM	Hepatosplenomegaly
HTLV-III	Human T-Lymphotrophic Virus Type III
HX	History
HYST	Hysterectomy
ICM	Intercostal Margin
IG	Immunoglobulin
IMA	Internal Mammary Artery
IMP	Impression
INCL	Includes, Including
INCR (or >)	Increase
INFILT	Infiltrating

IP	Inpatient
IT	Intrathecal
IVC	Inferior Vena Cava
IVP	Intravenous Pyelogram
IV	Intravenous
I	Iodine
JVD	Jugular Venous Distention
KG	Kilogram
KUB	Kidneys, Ureters, Bladder
KV	Kilovolt
L-SPINE	Lumbar Spine
L1-L5	Lumbar Vertebra
LAD/LAN	Lymphadenopathy
LAP	Laparotomy
LAT	Lateral
LAV	Lymphadenopathy-Associated Virus
LCIS	Laryngeal Intraepithelial Neoplasia
LCM	Left Costal Margin
LE	Lower Extremity
LG	Large
LIQ	Lower Inner Quadrant
LKS(B)	Liver, Kidney, Spleen (Bladder)
LLE	Left Lower Extremity
LLL	Left Lower Lobe
LLQ	Left Lower Quadrant
LMD	Local M.D.
LMP	Last Menstrual Period
LN, LN'S, LNS	Lymph Node(s)
LOQ	Lower Outer Quadrant
LP	Lumbar Puncture
LSO	Left Salpingo-oophorectomy
LS	Lumbosacral
LT	Left
LUE	Left Upper Extremity
LUL	Left Upper Lobe
LUQ	Left Upper Quadrant
L	Liter
L	Left
MAL, MALIG	Malignant
MAND	Mandible
MAST	Mastectomy
MAX	Maxilla(ry)

MAX	Maximum
MC(H)	Millicurie(hours)
MCL	Midclavicular Line
MD	Moderately Differentiated
MD	Medical Doctor
MED	Medicine
MET, METS	Metastatic, Metastases
MEV	Million Electron Volts
MG(H)	Milligram (hours)
MICRO	Microscopic
MIN	Minimum
ML	Middle Lobe
ML	Milliliter
MM	Millimeter
MOD DIFF	Moderately Differentiated
MOD	Moderate
MRI	Magnetic Resonance Imaging
MRM	Modified Radical Mastectomy
N&V	Nausea and Vomiting
NA	Not Applicable
NED	No Evidence of Disease
NEG (or -)	Negative
NEURO	Neurology
NL	Normal
NOS	Not Otherwise Specified
NR	Not Recorded
NSF	No Significant Findings
NVD	Neck Vein Distention
OBST	Obstructed (-ing, -ion)
OP REPORT	Operative Report
OP	Outpatient
OP	Operation
OR	Operating Room
OZ	Ounce
P&A	Percussion and Auscultation
PALP	Palpated (-able)
PAP	Papanicolaou Smear
PAP	Papillary
PATH	Pathology
PA	Pulmonary Artery
PA	Posteroanterior
PD	Poorly Differentiated

PERC	Percutaneous
PET	Positron Emission Tomography
PE	Physical Examination
PID	Pelvic Inflammatory Disease
PIN	Prostatic Intraepithelial Neoplasia
PI	Present Illness
PLT	Platelets
PMD	Personal (Primary) Medical Doctor
PMH	Past Medical History
POD	Postoperative Day
POOR DIFF	Poorly Differentiated
POS (or +)	Positive
POSS	Possible
POSTOP	Postoperative (-ly)
POST	Postmortem Examination
POST	Posterior
PO	Postoperative (-ly)
PPD	Packs per Day
PR(A)	Progesterone Receptor (Assay)
PREOP	Preoperative (-ly)
PROB	Probable (-ly)
PTA	Prior to Admission
PT	Patient
PULM	Pulmonary
RAD	Radiation Absorbed Dose
RAD	Radiation
RAD	Radical
RA	Radium
RBC	Red Blood Cells
RCM	Right Costal Margin
RESEC	Resection
RESPIR	Respiratory
RIA	Radioimmunoassay
RLE	Right Lower Extremity
RLL	Right Lower Lobe
RLQ	Right Lower Quadrant
RML	Right Middle Lobe
RO, R/O	Rule Out
ROF	Review of Outside Films
ROS	Review of Outside Slides
ROS	Review of Systems
RSO	Right Salpingo-oophorectomy

RT	Radiation Therapy
RT	Right
RUE	Right Upper Extremity
RUL	Right Upper Lobe
RUQ	Right Upper Quadrant
RX	Treatment
R	Right
S-COLON	Sigmoid Colon
S-SPINE	Sacral Spine
S/P	Status Post
S1-S5	Sacral Vertebra
SB	Small Bowel
SCC	Squamous Cell Carcinoma
SGOT	Serum Glutamic Oxaloacetic Transaminase
SGPT	Serum Glutamic Pyruvic Transaminase
SIL	Squamous Intraepithelial Lesion
SLN	Sentinel Lymph Node
SMA	Sequential Multiple Analysis (Biochem Profile)
SML BWL	Small Bowel
SML	Small
SM	Small
SNF	Skilled Nursing Facility
SOB	Shortness of Breath
SO	Salpingo-oophorectomy
SPEC	Specimen
SQ, SQUAM	Squamous
SQ	Subcutaneous
STSG	Split Thickness Skin Graft
SUB-Q, SUBQ	Subcutaneous
SURG	Surgery, Surgical
SVC	Superior Vena Cava
SX	Symptoms
T-COLON	Transverse Colon
T-SPINE	Thoracic Spine
T1-T12	Thoracic Vertebra
TAH-BSO	Total Abdominal HysterectomyBilateral Salpingo-oophorectomy
TCC	Transitional Cell Carcinoma
TPN	Total Parenteral Nutrition
TS	Tumor Size
TURB(T)	Transurethral Resection Bladder (Tumor)
TURP	Transurethral Resection Prostate
TUR	Transurethral Resection

TVH	Total Vaginal Hysterectomy
TX	Treatment
T	Thoracic
UE	Upper Extremity
UGI	Upper Gastrointestinal
UIQ	Upper Inner Quadrant
UNDIFF	Undifferentiated
UOQ	Upper Outer Quadrant
VAG HYST	Vaginal Hysterectomy
VAG	Vagina, Vaginal
VAIN	Vaginal Intraepithelial Neoplasia
VASC	Vascular
VIN	Vulvar Intraepithelial Neoplasia
W/	With
W/O	Without
W/U	Work-up
WBC	White Blood Cells
WD, WELL DIFF	Well Differentiated
WNL	Within Normal Limits
XRT	Radiation Therapy
XR	Xray
YR	Year

Symbols

@	At
/	Comparison
<	Decrease, less than
=	Equals
>	Increase, more than
-	Negative
#	Number*
#	Pounds**
+	Positive
x	Times

* If it appears before a numeral

** If it appears after a numeral

APPENDIX N

ICD-0-3 CODES TO BE CONSIDERED ONE PRIMARY SITE WHEN DETERMINING MULTIPLE PRIMARIES

ICD-0-3 Codes	Site Groupings
C01	Base of tongue
C02	Other and unspecified parts of tongue
C05	Palate
C06	Other and unspecified parts of mouth
C07	Parotid gland
C08	Other and unspecified major salivary glands
C09	Tonsil
C10	Oropharynx
C12	Pyriform sinus
C13	Hypopharynx
C19	Rectosigmoid junction
C20	Rectum
C23	Gallbladder
C24	Other and unspecified parts of biliary tract
C30	Nasal cavity and middle ear
C31	Accessory sinuses

C33	Trachea
C34	Bronchus and lung
C37	Thymus
C38.0-.3	Heart and mediastinum
C38.8	Overlapping lesion of heart, mediastinum, and pleura
C40	Bones, joints and articular cartilage of limbs
C41	Bones, joints and articular cartilage of other and unspec. sites
C51	Vulva
C52	Vagina
C57.7	Other specified female genital organs
C57.8-.9	Overlapping lesion and female genital tract, NOS
C60	Penis
C63	Other and unspecified male genital organs
C64	Kidney
C65	Renal pelvis
C66	Ureter
C68	Other and unspecified urinary organs
C74	Adrenal gland
C75	Other endocrine glands and related structures

Appendix O: Spanish Surnames

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

Instructions for Using 1980 Census List of Spanish Surnames

This list can be used to code last names in most areas of the United States.

- All names are listed alphabetically in upper-case letters without any blanks or spaces. For example, names such as "De Leon," "De la Torre," or "La Luz" are shown as "DELEON," DELATORRE," or "LALUZ."

- Spanish surnames often have accent marks (’) or a tilde (~) over the n (ñ). Disregard accent marks or tildes as these marks have been omitted from the list. For example, the names "Martínez" with an accent (’) and "Nuñez" with a tilde (~) are listed as "MARTINEZ" and "NUNEZ."

- If a surname consists of two names, separated by a dash or a space, code the person as Spanish if either name appears on the list. For example, for "Collins-Garcia," check "COLLINS" on the list. Since it does not appear, check for "GARCIA." If the name appeared as 'Garcia-Collins," then "GARCIA"" would be checked first.

- If the surname is of the form "Lopez R.," ignore the initial and look up the name, "LOPEZ."

- If the surname consists of two surnames separated by "de" such as "Perez de Seda," first look up the name written first, i.e., "PEREZ;" if it is not on the list, look up the final name including the word "de," i.e., "DESEDA;" if it is still not on the list, look up the final name without the word "de," i.e., "SEDA."

- Surnames written with spaces which begin "de," "de la," or "del," such as "de la Cruz," should be looked up with and without the prefix words, i.e., "CRUZ," "LACRUZ," and "DELACRUZ." If any of the combinations is listed, the surname should be considered Spanish.

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

ABA-AZU

ABAD
ABADIA
ABADIANO
ABADIAS
ABADILLA
ABADIN
ABAIGAR
ABAJO
ABALLE
ABALO
ABALOS
ABAONZA
ABARCA
ABARCO
ABAROA
ABARQUEZ
ABARTA
ABARZUA
ABASCAL
ABASTA
ABASTAS
ABASTO
ABAUNZA
ABAURREA
ABAY
ABAYA
ABBADIE
ABDALA
ABEA
ABEITA
ABEJA
ABELAIRAS
ABELAR
ABELDANO
ABELEDO
ABELLA
ABELLAN
ABELLEIRA
ABELLERA
ABENDANO
ABERASTURI
ABERASTURIA
ABERGEL
ABESADA
ABETE
ABEYTA
ABEYTIA
ABIEGA
ABILA
ABILES
ABILEZ
ABIN
ABINA
ABIO
ABIOL
ABISLAIMAN
ABITIA
ABITU
ALCEDO
ALCERRECA
ALCIBAR
ALCIVAR
ALCOBER
ALCOCER
ALCOCES
ALCOLA
ALCOLEA
ALCON
ALCONTAR
ALCORTA
ALCOSER
ALCOSET
ALCOVER
ALCOZAR
ALCOZER
ALCUDIA
ALDABA
ALDABE
ALDACO
ALDAHONDO
ALDAMA
ALDANA
ALDAPA
ALDAPE
ALDARONDO
ALDAS
ALDASORO
ALDAVA
ALDAVE
ALDAYA
ALDAZ
ALDAZABAL
ALDEBOT
ALDECOA
ALDECOCEA
ALDEIS
ALDEREGUIA
ALDERETE
ALDERETTE
ALDERTE
ALDRETE
ALDUEN
ALDUENDA
ALEANTAR
ALEBIS
ALEDO
ALEGADO
ALEGRE
ALEGRET
ALEGRIA
ALEJANDRE
ALEJANDRES
ALEJANDREZ
ALEJANDRO
ALEJO
ALEJOS
ANDUJAL
ANDUJAR
ANDUJO
ANDUYO
ANDUZE
ANEIRO
ANEIROS
ANEL
ANERO
ANGELES
ANGLADA
ANGLADE
ANGLERO
ANGOCO
ANGON
ANGUEIRA
ANGUERA
ANGUIANO
ANGUINO
ANGUITA
ANGULO
ANIAS
ANIBARRO
ANILLO
ANIZ
ANORGA
ANQUIANO
ANSALDUA
ANSALMO
ANSISO
ANSOATEGUI
ANSOLABEHERE
ANSURES
ANTA
ANTABLIN
ANTELO
ANTEQUERA
ANTIGUA
ANTILLON
ANTIMO
ANTOLIN
ANTOLINEZ
ANTOMARCHY
ANTONETTY
ANTOPIA
ANTRILLO
ANTU
ANTUNA
ANTUNANO
ANTUNEZ
ANZALDA
ANZALDO
ANZALDUA
ANZAR
ANZARA
ANZARDO
ANZELDE
ANZORENA
ARMADA
ARMADILLO
ARMADO
ARMAIZ
ARMANDARIZ
ARMARIO
ARMAS
ARMENDA
ARMENDARES
ARMENDAREZ
ARMENDARIS
ARMENDARIZ
ARMENDEZ
ARMENDIA
ARMENGOL
ARMENTA
ARMENTERO
ARMENTEROS
ARMERO
ARMESTO
ARMIENTA
ARMIGO
ARMIJO
ARMIJOS
ARMINAN
ARMINANA
ARMITO
ARMO
ARMOLA
ARMORA
ARNADO
ARNAEZ
ARNAIZ
ARNALDO
ARNAVAT
ARNEDO
ARNERO
ARNIELLA
AROCENA
AROCHA
AROCHE
AROCHI
AROCHO
AROIZA
AROS
AROSEMENA
AROSTEGUI
AROYA
AROYO
AROZ
AROZENA
ARPON
ARQUELLES
ARQUELLO
ARQUER
ARQUERO
ARQUES
ARQUETA

ABITUA
ABLANEDO
ABOGADO
ABOITE
ABOITES
ABOLILA
ABONCE
ABORLLEILE
ABOY
ABOYTES
ABRAHANTE
ABRAHANTES
ABRAJAN
ABRANTE
ABREA
ABREGO
ABREO
ABREU
ABREUS
ABREUT
ABREV
ABREW
ABREYO
ABRICA
ABRIGO
ABRIL
ABRIOL
ABUIN
ABUNDES
ABUNDEZ
ABUNDIS
ABUNDIZ
ABUNDO
ABURTO
ABUTIN
ACABA
ACABEO
ACARON
ACASTA
ACCOSTA
ACCUAR
ACEBAL
ACEBEDO
ACEBO
ACED
ACEDO
ACEITUNO
ACENCIO
ACENEDO
ACERA
ACEREDO
ACERETO
ACERO
ACETY
ACEUEDO
ACEVDO
ACEVEDA
ACEVEDO
ACEVES
ACEVEZ
ACEVIDO
ACHA
ACHEZ
ACHON
ACIDO
ACIN
ALELUNAS
ALEMAN
ALEMANIA
ALEMANY
ALEMAR
ALEN
ALENCASTRO
ALEQUIN
ALERS
ALERTE
ALEVEDO
ALEXANDRINO
ALFALLA
ALFARA
ALFARD
ALFARO
ALFASSA
ALFAU
ALFEREZ
ALFONSECA
ALFONSO
ALFONZO
ALFRIDO
ALGARA
ALGARIN
ALGARRA
ALGAVA
ALGEA
ALGECIRAS
ALGORA
ALGORRI
ALGORTA
ALGUACIL
ALGUESEVA
ALIAGA
ALICANTE
ALICCA
ALICEA
ALICIA
ALIJA
ALINAYA
ALIPAZ
ALIRE
ALIRES
ALIREZ
ALLADICE
ALLADO
ALLALA
ALLANDE
ALLARID
ALLEGRANZA
ALLEGUE
ALLEGUEZ
ALLENDE
ALLENEGUI
ALLESANDRO
ALLONGO
ALLOZA
ALMA
ALMADA
ALMADO
ALMADOVA
ALMAGER
ALMAGNER
ALMAGRO
ALMAGUER
ANZUA
ANZUALDA
ANZUETO
ANZULES
ANZURES
APABLASA
APADACA
APAEZ
APALATEGUI
APALATEQUI
APARICIO
APELLANIZ
APEZTEGUIA
APODACA
APODACO
APODOCA
APOLINAR
APONTE
APORTELA
APRATO
APRICIO
APUAN
AQUAYO
AQUERO
AQUEVEQUE
AQUIAR
AQUILAR
AQUILERA
AQUILES
AQUILLAR
AQUIN
AQUINAGA
AQUINES
AQUIRRE
ARA
ARABALO
ARABI
ARABITG
ARACENA
ARACHE
ARADILLAS
ARAGO
ARAGON
ARAGONES
ARAGONEZ
ARAGUAS
ARAGUNDI
ARAGUS
ARAGUZ
ARAICA
ARAIN
ARAIZ
ARAIZA
ARAMAYO
ARAMBEL
ARAMBUL
ARAMBULA
ARAMBULO
ARAMBURO
ARAMBURU
ARAMENDIA
ARAN
ARANA
ARANALDE
ARANAS
ARANAZ
ARQUIMBAU
ARQUIZA
ARRABAL
ARRACHE
ARRAIGA
ARRAIZA
ARRAMBIDE
ARRANAGA
ARRASTIA
ARRATIA
ARRAYA
ARRAZCAETA
ARRAZOLA
ARREA
ARREAGA
ARREALA
ARREAZOLA
ARREBOLA
ARRECHE
ARRECHEA
ARREDENDO
ARREDONDA
ARREDONDO
ARREGUI
ARREGUIN
ARREGUY
ARRELLANO
ARRELLIN
ARRENDO
ARRENDONDO
ARRENQUIN
ARREOLA
ARREQUIBE
ARREQUIN
ARRESTOY
ARRETCHE
ARREY
ARREYGUE
ARREZOLA
ARRIAGA
ARRIAGO
ARRIARAN
ARRIASOLA
ARRIAZA
ARRIAZOLA
ARRIBA
ARRIBAS
ARRIERA
ARRIERO
ARRIETA
ARRIETE
ARRIETTA
ARRIGA
ARRILLAGA
ARRIOLA
ARRIQUIDEZ
ARRISOLA
ARRITOLA
ARRIVILLAGA
ARRIZOLA
ARRIZON
ARROCENA
ARROJAS
ARROJO
ARROLLADO
ARROLLO

ACOBE
ACOSTA
ACOYA
ACUESTA
ACUNA
ACUSTA
ADAME
ADAMES
ADAMEZ
ADAN
ADANZA
ADARGO
ADAROS
ADAUTO
ADELO
ADONA
ADORNO
ADRIASOLA
ADROVER
ADROVET
ADUNA
ADVINCULA
AEDO
AFAN
AFANADOR
AFRE
AGADO
AGALA
AGANZA
AGAPITO
AGEITOS
AGIRRE
AGON
AGOSTO
AGRA
AGRAIT
AGRAMONTE
AGRAS
AGRAZ
AGREDA
AGREDANO
AGREGADO
AGRONT
AGUABELLA
AGUADO
AGUALLO
AGUANO
AGUARISTI
AGUAS
AGUASVIVAS
AGUAYA
AGUAYO
AGUDELO
AGUDO
AGUEDA
AGUELAR
AGUERA
AGUERO
AGUEROS
AGUERRE
AGUERREBERE
AGUERRIA
AGUET
AGUIGUI
AGUILA
AGUILAR

ALMANCE
ALMANDOZ
ALMANSA
ALMANZA
ALMANZAN
ALMANZAR
ALMANZO
ALMAQUER
ALMARAS
ALMARAZ
ALMARES
ALMAREZ
ALMARZA
ALMAZAN
ALMEDA
ALMEDINA
ALMEJO
ALMENA
ALMENAR
ALMENARA
ALMENARES
ALMENDARES
ALMENDAREZ
ALMENDARIZ
ALMENDRAL
ALMENDRAS
ALMENGER
ALMENGOR
ALMERA
ALMERAZ
ALMERIA
ALMESTICA
ALMEYDA
ALMEZQUITA
ALMIRALL
ALMIRUDIS
ALMODOBAR
ALMODOUAR
ALMODOVA
ALMODOVAR
ALMOGABAR
ALMOGUERA
ALMOINA
ALMONACID
ALMONDOVAR
ALMONTE
ALMONTES
ALMORA
ALMUINA
ALOMA
ALOMAR
ALONA
ALONSO
ALONZO
ALOY
ALOYO
ALPIZAR
ALPUCHE
ALPUIN
ALQUICIRA
ALSINA

ALTAGRACIA
ALTAMIRA
ALTAMIRANO
ALTARRIBA

ARANCIBIA
ARANDA
ARANDIA
ARANDO
ARANDULES
ARANEGUI
ARANETA
ARANGO
ARANGUA
ARANGUIZ
ARANGURE
ARANGUREN
ARANIBAR
ARANJON
ARANO
ARANZA
ARANZAZU
ARANZUBIA
ARAOZ
ARAQUE
ARATER
ARAUGO
ARAUS
ARAUSA
ARAUX
ARAUZ
ARAUZA
ARAVENA
ARAVJO
ARAYA
ARAYATA
ARBALLO
ARBELAEZ
ARBELBIDE
ARBELLO
ARBELO
ARBESU
ARBIDE
ARBISO
ARBIZO
ARBIZU
ARBOLAEZ
ARBOLAY
ARBOLEDA
ARBOLEYA
ARBONA
ARBUCIAS
ARBURUA
ARCA
ARCACHA
ARCADIA
ARCARAZO
ARCAS
ARCAUTE
ARCAY
ARCAYA
ARCE
ARCEGA
ARCELAY
ARCELO
ARCELONA
ARCENTALES
ARCEO
ARCHE
ARCHIBEQUE
ARCHILA

ARRONA
ARRONDO
ARRONGE
ARRONIZ
ARRONTE
ARROYA
ARROYAS
ARROYAVE
ARROYO
ARROYOS
ARROZ
ARRUE
ARRUFAT
ARSATE
ARSOLA
ARSUAGA
ARTACHE
ARTALEJO
ARTAU
ARTAUD
ARTAVIA
ARTAZA
ARTEA
ARTEAGA
ARTEAGO
ARTECHE
ARTECONA
ARTEGA
ARTEGO
ARTELLAN
ARTERO
ARTESONA
ARTETA
ARTIAGA
ARTIDIELLO
ARTIEDA
ARTIGA
ARTIGAS
ARTIGO
ARTILES
ARTIME
ARTIZ
ARTOLA
ARTOLOZAGA
ARTURET
ARTUZ
ARUCA
ARUFE
ARUIZU
ARUJO
ARUS
ARUZ
ARVALLO
ARVAYO
ARVELO
ARVISU
ARVIZA
ARVIZO
ARVIZU
ARZA
ARZABAL
ARZABALA
ARZAGA
ARZAGOITIA
ARZAMENDI
ARZAPALO

AGUILER
AGUILERA
AGUILES
AGUILLAR
AGUILLEN
AGUILLERA
AGUILLON
AGUILO
AGUILON
AGUILOR
AGUILOS
AGUILU
AGUILUZ
AGUINAGA
AGUINIGA
AGUINO
AGUINS
AGUIRE
AGUIRRA
AGUIRRE
AGUIRRECHU
AGUIRREGAVIRIA
AGUIRRES
AGUIRREZABAL
AGULAR
AGULIAR
AGULLES
AGULLO
AGUNDES
AGUNDEZ
AGUNDIS
AGUNDIZ
AGUON
AGURRIES
AGURTO
AGUSTI
AGVILAR
AHEDO
AHIN
AHUERO
AHUMADA
AIBAR
AINSA
AINZ
AINZA
AIRA
AISA
AISO
AISPURO
AIZPURU
AJUNTAS
AJURIA
ALABADO
ALACAN
ALACAR
ALADRO
ALAEZ
ALAFA
ALAFFA
ALAGA
ALAGO
ALAMAN
ALAMANO
ALAMANZA
ALAMARES
ALAMBAR
ALTENES
ALTIMIRANO
ALTONAGA
ALTOSINO
ALTRECHE
ALTUBE
ALTUNA
ALTUR
ALTURET
ALTUZARRA
ALUAREZ
ALUIZO
ALUSTIZA
ALUYON
ALVA
ALVANADO
ALVARA
ALVARADA
ALVARADO
ALVARAZ
ALVARDEZ
ALVARDO
ALVAREDO
ALVARENGA
ALVARES
ALVAREZ
ALVARIDO
ALVARINO
ALVARODO
ALVARRAN
ALVARY
ALVEAR
ALVELAIS
ALVELO
ALVERADO
ALVERANGA
ALVERES
ALVEREZ
ALVERIO
ALVERO
ALVEZ
ALVIAR
ALVIDRES
ALVIDREZ
ALVILLAR
ALVIRA
ALVIRDE
ALVIREZ
ALVISO
ALVITRE
ALVIZAR
ALVIZO
ALVIZU
ALVO
ALVORADO
ALZA
ALZAGA
ALZALDE
ALZATE
ALZINA
ALZOLA
ALZUGARAY
ALZURI
AMABISCA
AMADOR
AMAGO
ARCHILLA
ARCHULETA
ARCHULETO
ARCHULETTA
ARCHULTA
ARCHUNDE
ARCHUNDIA
ARCHUTETA
ARCHVLETA
ARCIA
ARCIAGA
ARCIBA
ARCIDES
ARCIGA
ARCILA
ARCINAS
ARCINIAGA
ARCINIEGA
ARCINO
ARCIZO
ARCOS
ARCOVERDE
ARCULETA
ARDAIZ
ARDANAZ
ARDANS
ARDANZ
ARDAVIN
ARDIGO
ARDILA
ARDILLA
ARDOIS
ARDON
AREA
AREAN
AREAS
AREBALO
AREBALOS
ARECES
ARECHAGA
ARECHAVALETA
ARECHE
ARECHIGA
ARECO
AREDONDO
AREGON
AREGULLIN
AREIZAGA
AREJULA
ARELANO
ARELLANA
ARELLAND
ARELLANDO
ARELLANES
ARELLANEZ
ARELLANO
ARELLANOS
ARELLIN
ARENAL
ARENAS
ARENAZ
ARENAZA
ARENCIBIA
ARENDAIN
ARENIBAS
ARENIVAR
ARZATE
ARZAVE
ARZENO
ARZOLA
ARZON
ARZU
ARZUAGA
ASAD
ASCANO
ASCAR
ASCARATE
ASCARRUNZ
ASCENCIO
ASCENCION
ASCENSIO
ASCUNCE
ASEBEDO
ASENCIO
ASENCION
ASENJO
ASENSIO
ASEO
ASEVEDO
ASEVES
ASIS
ASOMOZA
ASPEITIA
ASPERIN
ASPEYTIA
ASPIAZU
ASPILLAGA
ASPIRAS
ASPRA
ASPURIA
ASPURO
ASPURU
ASSEO
ASSIS
ASTACIO
ASTENCIO
ASTENGO
ASTIAZARAN
ASTIZ
ASTOL
ASTORGA
ASTRAN
ASTUDILLO
ASTURIAS
ASUA
ASUEGA
ASUNSOLO
ASURMENDI
ASUSTA
ATALA
ATANACIO
ATANCIO
ATAYDE
ATECA
ATEHORTUA
ATENCIO
ATIENZA
ATIENZO
ATILANO
ATILES
ATONDO
ATRA

ALAMEDA
ALAMIA
ALAMILLA
ALAMILLO
ALAMO
ALAMOS
ALANIS
ALANIZ
ALANSO
ALANZO
ALAQUINES
ALAQUINEZ
ALARCO
ALARCON
ALARD
ALARDE
ALARDIN
ALARI
ALARICO
ALARID
ALARY
ALAS
ALATORRE
ALATRISTE
ALAVA
ALAVARADO
ALAVARDO
ALAYA
ALAYETO
ALAYO
ALAYON
ALBA
ALBACETE
ALBALADEJO
ALBALATE
ALBALOS
ALBANA
ALBANDOZ
ALBANEZ
ALBAREDA
ALBARENGA
ALBAREZ
ALBARICO
ALBARRACIN
ALBARRAN
ALBEAR
ALBELO
ALBERCA
ALBERIO
ALBERRO
ALBERTORIO
ALBERU
ALBEZ
ALBIAR
ALBIDRES
ALBIDREZ
ALBILLAR
ALBINES
ALBIOL
ALBISO
ALBITRE
ALBIZO
ALBIZU
ALBO
ALBONIGA
ALBOR
AMALBERT
AMALLA
AMARGOS
AMARILLA
AMARILLAS
AMARO
AMAVISCA
AMAVIZCA
AMAYA
AMBE
AMBEGUIA
AMBERT
AMBIA
AMBRIS
AMBRIZ
AMEJORADO
AMELY
AMENABAR
AMENEDO
AMENGUAL
AMESCUA
AMESGUITA
AMESOLA
AMESQUA
AMESQUITA
AMESTI
AMESTOY
AMEZAGA
AMEZCUA
AMEZOLA
AMEZQUITA
AMEZUA
AMIAL
AMIEIRO
AMIEVA
AMIGO
AMILL
AMIRA
AMIRES
AMOR
AMORES
AMOROS
AMOROZ
AMOSTEGUI
AMOZURRUTIA
AMPARAN
AMPARANO
AMPARO
AMPUDIA
AMPUERO
ANADON
ANALCO
ANALLA
ANAMOSA
ANASAGASTI
ANAYA
ANAZAGASTY
ANCHANDO
ANCHIA
ANCHIETA
ANCHONDO
ANCHUNDIA
ANCIRA
ANCISO
ANDA
ANDABLO
ARENIVAS
ARES
ARESTEGUI
AREU
AREVALO
AREVALOS
AREYAN
AREYANO
ARFE
ARGAEZ
ARGAIN
ARGAIS
ARGANDA
ARGANDONA
ARGANZA
ARGEANAS
ARGEL
ARGENAL
ARGENTIN
ARGIBAY
ARGIL
ARGILAGOS
ARGIZ
ARGOMANIZ
ARGOTE
ARGUDIN
ARGUDO
ARGUELIES
ARGUELL
ARGUELLES
ARGUELLEZ
ARGUELLO
ARGUERA
ARGUESO
ARGUETA
ARGUEZ
ARGUIJO
ARGUILEZ
ARGUILLES
ARGUILLIN
ARGUINDEGUI
ARGUINZONI
ARGULA
ARGULLIN
ARGUMANIZ
ARGUMEDO
ARGUMOSA
ARIA
ARIAS
ARIAZ
ARIAZA
ARIBAS
ARICHETA
ARIEY
ARIGA
ARIGULLIN
ARILES
ARINEZ
ARINO
ARISMENDEZ
ARISMENDI
ARISOLA
ARISPE
ARISSO
ARISTA
ARISTE
ATRIO
ATTENCIO
ATUCHA
AUCES
AUDELO
AUFFANT
AUGILAR
AUILA
AUILES
AULET
AUMADA
AURIOLES
AURRECOECHEA
AUZA
AVALA
AVALO
AVALOS
AVALOZ
AVARCA
AVECHUCO
AVECILLAS
AVELAR
AVELLAN
AVELLANAL
AVELLANEDA
AVELLANET
AVENDANO
AVIGAEL
AVILA
AVILAS
AVILES
AVILEZ
AVILLAN
AVILUCEA
AVINA
AVITA
AVITEA
AVITIA
AVITUA
AYABARRENO
AYALA
AYALLA
AYALO
AYAN
AYARZAGOITIA
AYBAR
AYCART
AYENDE
AYERBE
AYERDI
AYERZA
AYES
AYESTARAN
AYLLON
AYMAT
AYMERICH
AYOLA
AYON
AYORA
AYOROA
AYUSO
AZA
AZARES
AZCANO
AZCARATE
AZCARRAGA

ALBORNOZ
ALBORS
ALBUERNE
ALBUJAR
ALBURQUERQUE
ALCADE
ALCAIDA
ALCAIDE
ALCALA
ALCALAN
ALCALDE
ALCANIZ
ALCANTA
ALCANTAR
ALCANTARA
ALCANTARO
ALCANTOR
ALCARAS
ALCARAZ
ALCAREZ
ALCASAS
ALCAYDE
ALCAZAR
ALCE
ANDALON
ANDALUZ
ANDASOLA
ANDAVAZO
ANDAVERDE
ANDAZOLA
ANDEREZ
ANDIARENA
ANDINA
ANDINO
ANDOLLO
ANDRACA
ANDRADA
ANDRADE
ANDRADES
ANDRADO
ANDREOLAS
ANDREU
ANDREZ
ANDRIAL
ANDRINO
ANDUAGA
ANDUEZA
ANDUIZA
ANDUJA
ARISTIZABAL
ARISTO
ARISTONDO
ARISTUD
ARISTY
ARIYASU
ARIZ
ARIZA
ARIZABAL
ARIZABALETA
ARIZAGA
ARIZALA
ARIZALETA
ARIZMENDEZ
ARIZMENDI
ARIZMENDIS
ARIZMENDIZ
ARIZOLA
ARIZON
ARIZPE
ARIZTIA
ARIZU
ARJON
ARJONA
AZCARRETA
AZCOITIA
AZCONA
AZCUE
AZCUI
AZCUY
AZIOS
AZNAR
AZNAREZ
AZOCA
AZOCAR
AZOFRA
AZOR
AZOY
AZPEITIA
AZPIAZU
AZPIRI
AZPIROZ
AZUA
AZUARA
AZUCENA
AZUELA
AZUETA
AZURDIA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

BAB-BUZ

BABARAN
BABIDA
BABILONIA
BABIO
BACA
BACALLAO
BACARDI
BACCA
BACELIS
BACERRA
BACHICHA
BACILIO
BACOS
BACOSA
BADA
BADAJOS
BADAJOSA
BADELLA
BADELLO
BADIA
BADIAL
BADIAS
BADILLA
BADILLO
BADIO
BADIOLA
BAELLA
BAELLO
BAENA
BAERGA
BAESA
BAEZ
BAEZA
BAEZCRUZ
BAGU
BAGUE
BAGUER
BAGUERO
BAGUES
BAGUEZ
BAHADUE
BAHAMON
BAHAMONDE
BAHAMONDES
BAHAMUNDI
BAHENA
BAIDA
BAIGEN
BAILEZ
BAILLERES
BAILON
BAIRES
BAISA
BAISDON
BAIZ
BAIZA
BAJADA
BAJANA
BARCON
BARCOS
BARDALES
BARDINAS
BARDISA
BAREA
BARED
BARELA
BARELAS
BARENCO
BARENO
BARETTO
BAREZ
BARGARA
BARGAS
BARGOS
BARGUIARENA
BARILLAS
BARIN
BARINAS
BARLOCO
BARNACHEA
BARO
BAROCIO
BAROJAS
BAROS
BAROSELA
BAROZ
BARQUERA
BARQUERO
BARQUET
BARQUEZ
BARQUIN
BARRAD
BARRAGAN
BARRAGAR
BARRAGON
BARRAJAS
BARRAL
BARRALES
BARRAMEDA
BARRANDEY
BARRANO
BARRANTES
BARRAQUE
BARRARA
BARRASA
BARRATACHEA
BARRAZ
BARRAZA
BARREDA
BARREDO
BARREGO
BARREIRO
BARRENA
BARRENECHE
BARRENECHEA
BARRENO
BELMUDEZ
BELNAS
BELOZ
BELTRA
BELTRAN
BELTRANENA
BELTRE
BELVADO
BENABE
BENABIDES
BENADO
BENALCAZAR
BENALLO
BENAUIDES
BENAVEDIZ
BENAVENT
BENAVENTE
BENAVIDAS
BENAVIDES
BENAVIDEZ
BENAVIDOS
BENCOMO
BENCOSME
BENDALIN
BENDAMIO
BENEGAS
BENEJAN
BENERO
BENESTANTE
BENETEZ
BENEVIDEZ
BENGOA
BENGOCHEA
BENIGUEZ
BENINE
BENIQUEZ
BENITES
BENITEZ
BENITO
BENITOA
BENOVIDEZ
BENTA
BENTANCOUR
BENTANCOURT
BENTANCUD
BENTANCUR
BENTURA
BENUDIZ
BENUN
BENZAQUEN
BEOVIDES
BEQUER
BERAIN
BERASATEGUI
BERAZA
BERBAN
BERBENA
BERBER
BOLIVAR
BOLOIX
BOLTARES
BOLUFE
BOMBALIER
BONACHEA
BONAFONT
BONAL
BONALES
BONEFONT
BONET
BONETA
BONICHE
BONILLA
BONILLAS
BONILLO
BONUZ
BORAD
BORBOA
BORBOLLA
BORBON
BORDAGARAY
BORDALLO
BORDANO
BORDAYO
BORDEGARAY
BORDENAVE
BORDOY
BOREGO
BORELA
BORERO
BORGUEZ
BORJA
BORJAS
BORJON
BORNIA
BORONDA
BORONDO
BOROVAY
BORQUEZ
BORRAJO
BORRAS
BORRAYO
BORREGO
BORRER
BORRERO
BORRICO
BORRIOS
BORROEL
BORROTO
BORRUEL
BORUNDA
BOSMENIER
BOSQUE
BOSQUES
BOSQUEZ
BOTANA
BOTARD

BAJANDAS
BAJE
BAJO
BALADES
BALADEZ
BALADO
BALADRON
BALAEZ
BALAGIA
BALAGOT
BALAGUE
BALAGUER
BALAGUERA
BALAIS
BALAJADIA
BALANDRA
BALANDRAN
BALANDRANO
BALANGA
BALANON
BALANZA
BALAREZO
BALARIN
BALART
BALASQUIDE
BALBANEDA
BALBAS
BALBASTRO
BALBIN
BALBINA
BALBOA
BALBONA
BALBONTIN
BALBUENA
BALCACER
BALCARCEL
BALCAZAR
BALCELLS
BALCORTA
BALDARAMOS
BALDARRAMA
BALDARRAMOS
BALDAZO
BALDELOMAR
BALDENEGRO
BALDEON
BALDERA
BALDERAMA
BALDERAMOS
BALDERAS
BALDERAZ
BALDEROS
BALDERRAMA
BALDERS
BALDEVARONA
BALDEZ
BALDILLEZ
BALDIT
BALDIVIA
BALDIVIEZ
BALDIZAN
BALDIZON
BALDOMERO
BALDONADO
BALDOQUIN
BALDOR
BARRERA
BARRERAGARCIA
BARRERAS
BARRERAZ
BARRERO
BARRETA
BARRETO
BARREZUETA
BARRIA
BARRIAGA
BARRIAL
BARRIAS
BARRIENTES
BARRIENTEZ
BARRIENTO
BARRIENTOS
BARRIERA
BARRIERO
BARRIGA
BARRILLAS
BARRIO
BARRIONUEVO
BARRIOS
BARRO
BARROCAS
BARRONA
BARROSA
BARROSO
BARROTERAN
BARROZA
BARROZO
BARRUECO
BARRUETA
BARSENAS
BARTOLOME
BARTOLOMEY
BARTUREN
BARZA
BARZAGA
BARZANA
BARZILLA
BARZIZA
BARZOLA
BAS
BASABE
BASADRE
BASAITES
BASALDO
BASALDU
BASALDUA
BASALDUE
BASALLO
BASALO
BASALOVA
BASANES
BASANEZ
BASANO
BASANTES
BASCON
BASCONCILLO
BASCOY
BASCUAS
BASDEO
BASILLA
BASOCO
BASORA
BERBERENA
BERCEDONIS
BERDEAL
BERDECIA
BERDEJA
BERDEJO
BERDUGO
BERDUSCO
BEREA
BEREAL
BERENGUER
BERENY
BERGADO
BERGARA
BERGEZ
BERGOLLA
BERICOCHEA
BERJAN
BERLANGA
BERLANGO
BERMEA
BERMEJILLO
BERMEJO
BERMEO
BERMUDA
BERMUDES
BERMUDEZ
BERMUNDEZ
BERNABE
BERNAL
BERNALDEZ
BERNALL
BERNARDEZ
BERNDES
BERNELL
BERNEZ
BERNUDEZ
BEROIZ
BERONDA
BERRAYARZA
BERRELES
BERRELEZ
BERRELLEZ
BERRELLEZA
BERRERA
BERREYESA
BERRIOS
BERRIOZABAL
BERRIZ
BERROA
BERROCAL
BERROCALES
BERRONES
BERROS
BERROSPE
BERROTERAN
BERRU
BERRUECO
BERRUECOS
BERSOSA
BERSOZA
BERTAINA
BERTOT
BERTRAN
BERUBEN
BERUMEN
BOTAS
BOTELL
BOTELLA
BOTELLO
BOTERO
BOTILLER
BOTILLO
BOUCOURT
BOULLON
BOUZA
BOUZAS
BOVADILLA
BOVEDA
BOVES
BRACAMONTE
BRACAMONTES
BRACAMONTEZ
BRACERO
BRACEROS
BRACHO
BRADOR
BRAMASCO
BRAMBILA
BRAMBILL
BRAN
BRANA
BRANCACHO
BRANCACIO
BRANDARIZ
BRANUELAS
BRASSELERO
BRASUEL
BRAULIO
BRAVO
BREA
BRECEDA
BREIJO
BREMA
BRENES
BRENLLA
BRETADO
BRETO
BRETOS
BRIALES
BRIANO
BRIAS
BRIBIESCA
BRIBIESCAS
BRICENO
BRIENO
BRIEVA
BRIGNONI
BRIJALBA
BRIJIL
BRILLANTES
BRINGAS
BRINGUEZ
BRIO
BRIONES
BRIONEZ
BRISENO
BRISITA
BRISO
BRISUELA
BRITO
BRIZ

BALDOVINO
BALDOVINOS
BALDOZ
BALDRICHE
BALEME
BALENCIA
BALERIO
BALERO
BALESTERRI
BALGOS
BALIA
BALIDO
BALINA
BALIZAN
BALLADARES
BALLADAREZ
BALLAGAS
BALLARDO
BALLATE
BALLEJO
BALLEJOS
BALLERAS
BALLESTA
BALLESTAS
BALLESTE
BALLESTER
BALLESTERAS
BALLESTERO
BALLESTEROS
BALLESTROS
BALLEZ
BALLEZA
BALLI
BALLINA
BALLINAS
BALLOTE
BALMACEDA
BALMANA
BALMASEDA
BALMORES
BALOSSO
BALSA
BALSECA
BALSEIRO
BALSERA
BALSINDE
BALTAR
BALTASAR
BALTAZAR
BALTIERRA
BALTIERREZ
BALTODANO
BALUJA
BALVANEDA
BALVERDE
BALZOLA
BAMUELOS
BANA
BANAGA
BANAGAS
BANALES
BANANDO
BANARER
BANARES
BANCES
BANCIELLA
BASQUES
BASQUEZ
BASTANCHURY
BASTARDO
BASTERRECHEA
BASTIDA
BASTIDAS
BASTIDOS
BASUA
BASUALDO
BASULTO
BASURA
BASURCO
BASURTO
BATALLA
BATALLAN
BATAN
BATANIDES
BATILLA
BATINE
BATIST
BATISTA
BATIZ
BATIZA
BATLLE
BATLLIA
BATRES
BATREZ
BATRIZ
BATULE
BAUSA
BAUSTISTA
BAUTA
BAUTISTA
BAUZA
BAUZO
BAYANILLA
BAYARDO
BAYARENA
BAYAS
BAYCORA
BAYDES
BAYLINA
BAYLON
BAYO
BAYON
BAYONA
BAYRON
BAYUGA
BAZA
BAZAIN
BAZALDUA
BAZAMAN
BAZAN
BAZAURE
BAZUA
BAZURTO
BEADA
BEANES
BEAS
BEAZ
BECARIA
BECCERA
BECCERRA
BECEIRO
BECENA
BERUVIDES
BERZOZA
BESA
BESADA
BESARES
BESCOS
BESERRA
BESINAIZ
BESTARD
BESTEIRO
BESU
BETANCE
BETANCES
BETANCIS
BETANCOURT
BETANCOURTH
BETANCUR
BETANCURT
BETETA
BETHENCOURT
BETONCOURT
BETRAN
BEXAR
BEZA
BEZANILLA
BEZARES
BEZERRA
BIANE
BIANES
BIANGEL
BIAR
BIASCOECHEA
BIBIAN
BIBIANO
BIBILONI
BICHARA
BIDABE
BIDAL
BIDART
BIDET
BIDO
BIDOT
BIEDMA
BIELMA
BIENES
BIERA
BIGON
BILANO
BILBAO
BILBRAUT
BILLAFRANCO
BILLALBA
BILLALOBOS
BILLESCAS
BINAS
BINELO
BINGOCHEA
BINIMELIS
BIRBA
BIRONDO
BIRRIEL
BIRRUETA
BISA
BISBAL
BISCAILUZ
BISCAINO
BRIZAL
BRIZENO
BRIZO
BRIZUELA
BROCAS
BROCHE
BRONDO
BROTONS
BRUCELAS
BRUCIAGA
BRUGUERA
BRUGUERAS
BRUSUELAS
BRUZOS
BUANTELLO
BUBELA
BUCETA
BUCIO
BUELNA
BUENABAD
BUENAFE
BUENAVENTURA
BUENCONSEJO
BUENDEL
BUENDIA
BUENFIL
BUENO
BUENROSTRO
BUENRROSTRO
BUENSUCESO
BUENTELLO
BUENTEO
BUENTIEMPO
BUENTILLO
BUERAS
BUERES
BUERGO
BUFANDA
BUGALLO
BUGARIN
BUIGAS
BUIGUES
BUILES
BUILTRON
BUITRAGO
BUITRON
BUITUREIDA
BUITUREIRA
BUJAN
BUJANDA
BUJANOS
BUJOSA
BULERIN
BULLAS
BULNES
BULOS
BULTRON
BURBANO
BURBOA
BURCET
BURCIAGA
BURCIAGO
BURCOS
BURDEOS
BURGADO
BURGARA

BANDA
BANDERAS
BANDIN
BANDURRAGA
BANEGAS
BANEZ
BANIQUED
BANOS
BANREY
BANUELAS
BANUELOS
BANUET
BANVELOS
BAO
BAPTISTO
BAQUEDANO
BAQUERA
BAQUERIZO
BAQUERO
BAQUIRAN
BARAGAN
BARAGANA
BARAGAS
BARAHONA
BARAJAS
BARAJOS
BARALT
BARANDA
BARANDIARAN
BARASORDA
BARAY
BARAZ
BARBA
BARBACHANO
BARBARENA
BARBASA
BARBEITO
BARBERAN
BARBERENA
BARBOA
BARBOLA
BARBONTIN
BARBOSA
BARCALA
BARCELO
BARCELON
BARCENA
BARCENAS
BARCENES
BARCENEZ
BARCENILLA
BARCIA
BARCIGALUPIA
BARCIMO
BARCINAS
BECERA
BECERRA
BECERRIL
BECERRO
BECHARA
BECHO
BECUAR
BEDIA
BEDOLLA
BEDOY
BEDOYA
BEGA
BEGANO
BEGONA
BEGUIRISTAIN
BEIRO
BEISTEGUI
BEITIA
BEITRA
BEJAR
BEJARAN
BEJARANO
BEJERANO
BEJINES
BEJINEZ
BELA
BELANCOURT
BELANDRES
BELARDE
BELARDES
BELARDO
BELASQUEZ
BELASQUIDA
BELAUNDE
BELAUNZARAN
BELAUSTEGUI
BELAVAL
BELCHEZ
BELDEROL
BELEN
BELENDEZ
BELETTE
BELEZ
BELIO
BELLAFLORES
BELLEZ
BELLIARD
BELLIDO
BELLMAS
BELLOSO
BELMARES
BELMAREZ
BELMONTES
BELMONTEZ
BELMUDES
BISCAYART
BISTRAIN
BISUANO
BITELA
BITHORN
BITOLAS
BLADUELL
BLAJOS
BLANCARTE
BLANCAS
BLANCO
BLANCOCERDA
BLANES
BLANQUET
BLANQUEZ
BLANQUIZ
BLASQUEZ
BLAYA
BLAZQUEZ
BLEA
BLONDET
BOADA
BOADO
BOBADILLA
BOBADILLO
BOBE
BOBEA
BOBEDA
BOBELE
BOBIAN
BOBILLO
BOCACHICA
BOCANEGRA
BOCARDO
BOCHAS
BODERO
BODIROGA
BOERAS
BOEZ
BOFILL
BOGARIN
BOHORQUEZ
BOILES
BOITES
BOJORGES
BOJORGUEZ
BOJORQUES
BOJORQUEZ
BOLADERES
BOLADO
BOLANO
BOLANOS
BOLEDA
BOLET
BURGENO
BURGOA
BURGOS
BURGUAN
BURGUENO
BURGUETE
BURIEL
BURILLO
BURITICA
BURNEO
BURNIAS
BURQUEZ
BURRA
BURRIEL
BURRIOLA
BURROLA
BURRON
BURRUEL
BURSIAGA
BURUATO
BUSIGO
BUSQUET
BUSQUETS
BUSTABAD
BUSTABADE
BUSTAMANTE
BUSTAMANTES
BUSTAMANTEZ
BUSTAMARTE
BUSTAMENTE
BUSTAMONTE
BUSTANANTE
BUSTAS
BUSTED
BUSTELO
BUSTEMANTE
BUSTILLO
BUSTILLOS
BUSTINZA
BUSTIO
BUSTO
BUSTOS
BUSTOZ
BUSUTIL
BUTANDA
BUTERO
BUTRON
BUTTANDA
BUXEDA
BUXO
BUYON
BUZANI
BUZNEGO
BUZO

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

CAA-CUZ

CAAL
CAAMAL
CAAMANO
CAAMPUED
CABA
CABADA
CABAL
CABALEIRO
CABALLA
CABALLER
CABALLERO
CABALLEROS
CABALLES
CABALLO
CABAN
CABANAS
CABANELAS
CABANERO
CABANILLAS
CABANZON
CABARCAS
CABARCOS
CABARGA
CABASA
CABASIER
CABASOS
CABASSA
CABASSO
CABAZA
CABAZOS
CABEIRO
CABEJE
CABELLERO
CABELLO
CABERA
CABERERA
CABERRA
CABESUELA
CABEZA
CABEZADEBACA
CABEZAS
CABEZUDO
CABEZUELA
CABIAS
CABIDO
CABIEDES
CABIGAS
CABILLO
CABLA
CABRALES
CABRALEZ
CABRANES
CABRE
CABREJA
CABREJAS
CABREJOS
CABRER
CABRERA
CAPUCHIN
CAPUCHINA
CAPUCHINO
CAQUIAS
CARABA
CARABAJAL
CARABAL
CARABALLO
CARABALLOPEREZ
CARABANTES
CARABAY
CARABAZA
CARABELLA
CARABEO
CARABES
CARABEZ
CARACENA
CARACHEO
CARACOSA
CARACOZA
CARAJAL
CARALT
CARAMBOT
CARAMEROS
CARAMES
CARAMILLO
CARANTA
CARANZA
CARAPIA
CARARA
CARASA
CARASCO
CARATACHEA
CARATAN
CARATTINI
CARAVACA
CARAVAJAL
CARAVANTES
CARAVAYO
CARAVEO
CARAVES
CARAZA
CARAZO
CARBA
CARBAJAL
CARBAJALES
CARBAJO
CARBALLAR
CARBALLEA
CARBALLEIRA
CARBALLIDO
CARBALLO
CARBALLOSA
CARBELLIDO
CARBIA
CARBONEL
CARBONELL
CARBOT
CAVLA
CAVOS
CAVOZOS
CAYADO
CAYANAN
CAYCEDO
CAYERE
CAYEROS
CAYIAS
CAYON
CAYEULA
CAYUSO
CAZAMIAS
CAZANAS
CAZARES
CAZAREZ
CAZARIN
CAZON
CDEBACA
CDEVACA
CEBADA
CEBALLES
CEBALLO
CEBALLOS
CEBEY
CEBOLLERO
CEBRERO
CEBREROS
CEBRIAN
CECENA
CEDANO
CEDENO
CEDILLO
CEDILLOS
CEDINO
CEDO
CEGARRA
CEGUEDA
CEIDE
CEIJAS
CEJA
CEJAS
CEJO
CEJUDO
CELA
CELADA
CELADO
CELARDO
CELAYA
CELAYETA
CELEDON
CELEIRO
CELICEO
CELIS
CELIZ
CELORIO
CENA
CENDAN
COLET
COLIMA
COLINA
COLINDRES
COLIO
COLLADA
COLLADO
COLLANTES
COLLASO
COLLAZO
COLLOZO
COLLS
COLMENAR
COLMENARES
COLMENERO
COLOCHO
COLOCIO
COLODRO
COLOM
COLOMA
COLOMAR
COLOMBANA
COLOMBANI
COLOMBERO
COLOME
COLOMER
COLOMES
COLOMINAS
COLOMO
COLON
COLONDRES
COLONNETTA
COLONTORRES
COLORADO
COLORBIO
COLORE
COLORES
COLOROSO
COLSA
COLUDRO
COLUMBIE
COLUNGA
COMACHO
COMADURAN
COMAS
COMBARRO
COMELLAS
COMESANA
COMESANAS
COMON
COMORRE
COMPANIONI
COMPARAN
COMPARY
COMPEAN
COMPIAN
COMPITO
COMPOS

CABRERAS
CABRERIZO
CABRERO
CABRERRA
CABRET
CABREVA
CABRIALES
CABRIELES
CABRILES
CABRILLO
CABRILLOS
CABRISAS
CABRITO
CABRON
CABUENA
CABUTO
CACERAS
CACERES
CACEREZ
CACHARRON
CACHO
CACHON
CACHORA
CACHUA
CACICEDO
CADAHIA
CADAVA
CADAVAL
CADAVID
CADAVIECO
CADEMA
CADENA
CADENAS
CADENAZ
CADENGO
CADIERNO
CADILLA
CADILLO
CADIS
CADIZ
CADORNIGA
CADRIEL
CAGIGA
CAGIGAL
CAGIGAS
CAGUIAS
CAHUE
CAICEDO
CAIGOY
CAILLAU
CAINAS
CAINZOS
CAJAR
CAJAS
CAJEN
CAJERO
CAJIAO
CAJIDE
CAJIGA
CAJIGAL
CAJIGAS
CAJINA
CAJO
CAJUSTE
CALABAZA
CALAFAT
CARCACHE
CARCAMO
CARCANA
CARCANAQUES
CARCANO
CARCAS
CARCELLERO
CARDELLE
CARDELLES
CARDENA
CARDENAL
CARDENALES
CARDENAS
CARDENAZ
CARDENES
CARDENEZ
CARDENO
CARDENOS
CARDENOSA
CARDENTEY
CARDET
CARDEZA
CARDIEL
CARDINAS
CARDINEZ
CARDONA
CARDONAS
CARDOSA
CARDOVA
CAREAGA
CARELA
CARETA
CARIAS
CARIBE
CARIDE
CARIDES
CARIELO
CARIGA
CARILLO
CARINGAL
CARINHAS
CARIRE
CARISALEZ
CARLA
CARLETELLO
CARLOS
CARMENATE
CARMENATES
CARMENATY
CARMOEGA
CARMONA
CARNERA
CARNERO
CARNICER
CARNICERO
CARO
CARONADO
CAROPINO
CARPENA
CARPINTERO
CARPINTEYRO
CARPIO
CARPIZO
CARRABALLO
CARRACEDO
CARRADA
CENDEJAS
CENDOYA
CENICEROS
CENISEROS
CENISEROZ
CENOZ
CENTELLAS
CENTENO
CENTERO
CENTURION
CEPEDA
CEPEDES
CEPERO
CERABELLA
CERALDE
CERBANTES
CERBANTEZ
CERCADO
CERDA
CERDEIRA
CERDEIRAS
CERECEDA
CERECEDES
CERECEDO
CERECERES
CERECEREZ
CERECERO
CEREIJO
CEREZO
CERIN
CERMENO
CERNA
CERNAS
CERNO
CERNUDA
CERON
CERPA
CERRILLO
CERRILLOS
CERRITOS
CERROS
CERTEZA
CERUANTES
CERVANES
CERVANTE
CERVANTES
CERVANTEZ
CERVENTES
CERVERA
CESANI
CESENA
CESIN
CESPEDES
CESPEDEZ
CESTERO
CEVALLO
CEVALLOS
CEVILLA
CEYANES
CHABARRIA
CHABERA
CHABEZ
CHABOLLA
CHABOYA
CHABRIER
CHACA
COMPTIS
CONCEPCION
CONCEPTION
CONCHA
CONCHADO
CONCHAS
CONCHO
CONCHOLA
CONCHOS
CONDADO
CONDARCO
CONDE
CONDENSA
CONEJERO
CONEJO
CONESA
CONFORME
CONRADO
CONRERAS
CONRIQUE
CONRIQUEZ
CONS
CONSONERO
CONSTANCIO
CONSTANTE
CONSUEGRA
CONSUELO
CONTADOR
CONTEMPRATO
CONTERAS
CONTEREAS
CONTERO
CONTIVAL
CONTRARAS
CONTREAS
CONTRERA
CONTRERAS
CONTRERASS
CONTRERAZ
CONTRERES
CONTREROS
CONTRERRAS
CONTRESAS
CONTRESTANO
CONTREVAS
COPADO
COPETILLO
COPRIVIZA
COQUOZ
CORA
CORALES
CORANADO
CORAZON
CORBALA
CORBEA
CORBELLA
CORBERA
CORCES
CORCHADO
CORCHERO
CORCHETE
CORCHO
CORCINO
CORCOLES
CORCOVELOS
CORDENIZ

CALAFELL
CALAMA
CALAMACO
CALAMARS
CALAMON
CALANA
CALANCHE
CALANDRES
CALAS
CALATAYUD
CALBILLO
CALCADO
CALCANEO
CALCANO
CALCINES
CALDA
CALDARON
CALDAS
CALDELAS
CALDERA
CALDERAS
CALDERILLA
CALDERIN
CALDERO
CALDERON
CALDEVILLA
CALEJO
CALENZANI
CALERA
CALERO
CALEZ
CALIBO
CALIENES
CALIX
CALIXTO
CALIXTRO
CALIZ
CALLADO
CALLANTA
CALLAVA
CALLAZO
CALLE
CALLEIRO
CALLEJAS
CALLEJO
CALLEJON
CALLEJOS
CALLELLA
CALLEROS
CALLES
CALLEYRO
CALLINICOS
CALLISTRO
CALOCA
CALOMARDE
CALONGA
CALONGE
CALONJE
CALSADA
CALSADILLAS
CALVEIRO
CALVERA
CALVERO
CALVES
CALVET
CALVILLO
CARRADERO
CARRAL
CARRALEJO
CARRALERO
CARRALES
CARRALEZ
CARRAMAN
CARRANCA
CARRANCO
CARRANDI
CARRANSA
CARRANZA
CARRASCO
CARRASCOSA
CARRASGUILLO
CARRASO
CARRASQUILLA
CARRASQUILLO
CARRATALA
CARRAU
CARRAZANA
CARRAZCO
CARREAGA
CARREDO
CARREJO
CARRENO
CARREON
CARRERA
CARRERAS
CARRERO
CARRETE
CARRETERO
CARRETO
CARRIAGA
CARRIAZO
CARRICA
CARRICABURU
CARRICARTE
CARRIDO
CARRIEDO
CARRIJO
CARRIL
CARRILES
CARRILLA
CARRILLE
CARRILLO
CARRILO
CARRIO
CARRION
CARRIQUE
CARRISAL
CARRISALES
CARRISALEZ
CARRISOSA
CARRISOZA
CARRIZAL
CARRIZALES
CARRIZALEZ
CARRIZO
CARRIZOSA
CARRIZOZA
CARRODEGUAS
CARROLA
CARROSQUILLO
CARRSCO
CARRUESCO
CHACANACA
CHACON
CHADES
CHADEZ
CHAFFINO
CHAFINO
CHAGAS
CHAGOLLA
CHAGOLLAN
CHAGOY
CHAGOYA
CHAGOYAN
CHAGOYEN
CHAGRA
CHAGUACEDA
CHAIDES
CHAIDEZ
CHAIRA
CHAIREZ
CHALA
CHALAMBAGA
CHALDU
CHAMARTIN
CHAMIZO
CHAMORO
CHAMORRO
CHANDARLIS
CHANES
CHANEZ
CHANGALA
CHANO
CHANONA
CHANTACA
CHANTALA
CHANTRES
CHAPA
CHAPARRO
CHAPELA
CHAPERO
CHAPOY
CHAPPARO
CHAPRALIS
CHAPRON
CHARAFA
CHARANZA
CHARBA
CHARBULA
CHARCA
CHARCAS
CHARDON
CHARFAUROS
CHARNECO
CHARO
CHARRES
CHARRIA
CHARRIEZ
CHARRIN
CHARRIS
CHARRO
CHARVEZ
CHATON
CHAUARRIA
CHAVANA
CHAVANNA
CHAVARELA
CHAVARIA
CORDERO
CORDILLO
CORDOBA
CORDOBES
CORDOLA
CORDONA
CORDOSO
CORDOVA
CORDOVER
CORDOVES
CORDOVEZ
CORDOVI
CORDOZA
COREANO
CORELLA
CORENTE
CORIA
CORIANO
CORIAT
CORIZ
CORMALIS
CORNEJO
CORNEJOS
CORNIDE
CORNIELL
CORNIER
CORODOVA
COROMINAS
CORONA
CORONADA
CORONADO
CORONAS
CORONEL
CORPAS
CORPION
CORPORAN
CORPOS
CORPUS
CORRADA
CORRAL
CORRALEJO
CORRALES
CORRALEZ
CORRALIZA
CORRALLS
CORRCA
CORREA
CORREDERA
CORREDOR
CORREO
CORRES
CORRETJER
CORREU
CORRILLO
CORRIPIO
CORRIZ
CORROS
CORTADA
CORTAZA
CORTAZAR
CORTES
CORTEZ
CORTIJO
CORTINA
CORTINAS
CORTINAZ

CALVO
CALZADA
CALZADIAS
CALZADILLA
CALZADILLAS
CALZADO
CALZIA
CALZONCIN
CAMACH
CAMACHE
CAMACHO
CAMAMA
CAMANCHO
CAMANEZ
CAMANO
CAMARAZA
CAMARELLA
CAMARENA
CAMARENO
CAMARERO
CAMARGO
CAMARILLO
CAMARO
CAMARON
CAMARRILLO
CAMAYA
CAMAYD
CAMBA
CAMBALIZA
CAMBERO
CAMBEROS
CAMBIANICA
CAMBIS
CAMBLOR
CAMBO
CAMBON
CAMCHO
CAMEJO
CAMERENA
CAMERO
CAMEZ
CAMILO
CAMINA
CAMINAS
CAMINERO
CAMOCHO
CAMORODA
CAMPA
CAMPACOS
CAMPANERIA
CAMPANIONI
CAMPAS
CAMPAZ
CAMPERO
CAMPILLO
CAMPINS
CAMPIRANO
CAMPISTA
CAMPIZ
CAMPOAMOR
CAMPODONICA
CAMPOLLA
CAMPOMANES
CAMPORREDONDO
CAMPOS
CAMPOSAGRADO
CARTAGEN
CARTAGENA
CARTAGO
CARTANA
CARTAS
CARTAYA
CARUAJAL
CARVAJAL
CARVAJALES
CARVAJALINO
CASABLANCA
CASABO
CASADAS
CASADES
CASADO
CASADOS
CASAIS
CASAL
CASALES
CASALS
CASAMAYOR
CASANAS
CASANDRA
CASANOVA
CASANOVAS
CASANUEVA
CASARES
CASAREZ
CASARIEGO
CASARRUBIAS
CASAS
CASASNOVAS
CASASOLA
CASASUS
CASAUS
CASAVANTES
CASCANTE
CASCON
CASCOS
CASCUDO
CASELAS
CASELLAS
CASERAS
CASERES
CASERMA
CASERO
CASERZA
CASES
CASIA
CASIAN
CASIANO
CASIAS
CASICA
CASIELLES
CASILLA
CASILLAN
CASILLAS
CASILLOS
CASINES
CASIQUE
CASIQUITO
CASIS
CASMERO
CASORLA
CASPARIS
CASPILLO
CHAVARILLO
CHAVARIN
CHAVARRA
CHAVARRI
CHAVARRIA
CHAVARRIAGA
CHAVARRO
CHAVECO
CHAVERA
CHAVERO
CHAVEZ
CHAVIANO
CHAVIRA
CHAVIRO
CHAVOLLA
CHAVOYA
CHAYRA
CHAYRE
CHAYREZ
CHAZARO
CHAZARRETA
CHECA
CHECO
CHEDA
CHEMALI
CHENTE
CHERENA
CHERENE
CHERINO
CHERTA
CHESSANI
CHEVANNES
CHEVARRIA
CHEVAS
CHEVERES
CHEVEREZ
CHEVEZ
CHEVRES
CHIAGO
CHIAPA
CHICA
CHICAS
CHICO
CHICVARA
CHIDE
CHIFALO
CHIHUAHUA
CHILIMIDOS
CHIMAL
CHINANA
CHINCHILLA
CHINEA
CHINO
CHIONG
CHIONO
CHIOVARE
CHIPI
CHIPRES
CHIQUES
CHIQUETE
CHIQUITO
CHIRIBOGA
CHIRINO
CHIRINOS
CHOA
CHOLICO
CORTINES
CORTINEZ
CORTIZO
CORUGEDO
CORUJO
CORVAN
CORVERA
CORVISON
CORZA
CORZO
COS
COSCULLUELA
COSILLO
COSILLOS
COSIO
COSME
COSSIO
COSSO
COSTALES
COSTELON
COSTILLA
COSTILLO
COSTOSO
COSTRUBA
COTA
COTARELO
COTAYO
COTELO
COTERA
COTERILLO
COTERO
COTILLA
COTINOLA
COTITTA
COTO
COTRINA
COTTES
COTTO
COTULLA
COUARRUBIAS
COUCE
COUCEYRO
COUMPAROULES
COUSO
COUTIN
COUTINO
COUVERTIER
COVARRUBIA
COVARRUBIAS
COVARRUBIAZ
COVARRUBIO
COVARRUVIAS
COVARRYBIAS
COVARUBIAS
COVAS
COVIAN
COVILLO
COVIO
COVO
COVOS
COYA
COYAZO
CREITOFF
CREMAR
CREMATA
CRESPIN

CAMPOVERDE
CAMPOY
CAMPOZ
CAMPOZANO
CAMPUSANO
CAMPUZANO
CAMUEIRAS
CAMUNAS
CAMUNES
CAMUNEZ
CANA
CANABA
CANABAL
CANABATE
CANAHUATI
CANALDA
CANALEJO
CANALES
CANALEZ
CANALITA
CANALS
CANAMAR
CANAMERO
CANAS
CANAVA
CANAVATI
CANAVERAL
CANAVES
CANCEL
CANCELA
CANCELO
CANCHE
CANCHOLA
CANCINO
CANCINOS
CANCIO
CANDALES
CANDANEDO
CANDANO
CANDANOSA
CANDANOZA
CANDELARI
CANDELARIA
CANDELARIE
CANDELARIO
CANDELAS
CANDELERIA
CANDIA
CANDIAS
CANEDA
CANEDO
CANEGATA
CANEIRO
CANELA
CANELLAS
CANELLIS
CANELO
CANERO
CANES
CANET
CANETE
CANEZ
CANGA
CANGAS
CANION
CANISALES
CASSARES
CASSAS
CASSIAS
CASSILLAS
CASSINERIO
CASSO
CASTAIGNE
CASTAN
CASTANA
CASTANADA
CASTANARES
CASTANEADA
CASTANED
CASTANEDA
CASTANEDO
CASTANER
CASTANIETO
CASTANO
CASTANOLA
CASTANON
CASTANOS
CASTANUELA
CASTANY
CASTEJON
CASTELA
CASTELAN
CASTELANO
CASTELAO
CASTELAR
CASTELAZO
CASTELBLANCO
CASTELDEORO
CASTELEIRO
CASTELLANAS
CASTELLANES
CASTELLANOS
CASTELLANOZ
CASTELLAR
CASTELLON
CASTELLS
CASTELLVI
CASTELNAU
CASTELO
CASTENADA
CASTENEDA
CASTIBLANCO
CASTIEL
CASTILIO
CASTILL
CASTILLA
CASTILLANOS
CASTILLAS
CASTILLEJA
CASTILLEJO
CASTILLEJOS
CASTILLERO
CASTILLIO
CASTILLO
CASTILLON
CASTINEIRA
CASTINEIRAS
CASTINEYRA
CASTORENA
CASTORENO
CASTRA
CASTREJON
CHOMAT
CHOMORI
CHONO
CHOPERENA
CHORNA
CHOTO
CHOUZA
CHOZA
CHUCA
CHUDALLA
CHUMACERO
CHUMISO
CHUPE
CHURBE
CHURRUCA
CIBERAY
CIBRIAN
CICERON
CICILIA
CID
CIDDIO
CIEGO
CIENA
CIENEGA
CIENEGAS
CIENFUEGOS
CIERRA
CIFRE
CIFREDO
CIFUENTES
CIGAR
CIGARROA
CILLERO
CIMADEVILLA
CIMARRON
CIMENTAL
CINDO
CINEUS
CINTA
CINTAS
CINTORA
CINTRA
CINTRON
CIONCO
CIPRES
CIREROL
CIRES
CIRIA
CIRIECO
CIRILO
CIRIZA
CIRLOS
CIRULI
CISNER
CISNERAS
CISNERNOS
CISNERO
CISNEROS
CISNEROZ
CISTERNA
CIVEROLO
CLARA
CLARIT
CLARO
CLAROS
CLAROT
CRESPO
CRIADO
CRIBEIRO
CRIOLLO
CRIOYOS
CRISANTES
CRISANTO
CRISANTOS
CRISOSTO
CRISOSTOMO
CRISTALES
CRISTAN
CRISTANCHO
CRISTERNA
CRISTIA
CRISTIAN
CRISTIN
CRISTOBAL
CRISTOFOL
CRIXELL
CROSAS
CROZ
CRUANES
CRUANYAS
CRUCES
CRUCETA
CRUZ
CRUZADO
CRUZAT
CRUZATA
CRUZCOSA
CRUZCRUZ
CRUZON
CRUZRODRIGUEZ
CUADRA
CUADRADO
CUADRAS
CUADRAZ
CUADRO
CUADROS
CUAN
CUARA
CUARENTA
CUARON
CUARTAS
CUASCUT
CUATE
CUBANO
CUBAS
CUBENAS
CUBERO
CUBIAS
CUBILLAS
CUBILLO
CUBILLOS
CUBIO
CUBRIEL
CUCALON
CUCUTA
CUEBA
CUEBAS
CUELIAR
CUELLA
CUELLAR
CUELLER
CUELLO

CANIZAL
CANIZALES
CANIZALEZ
CANIZARES
CANIZAREZ
CANJURA
CANLAS
CANO
CANOVAS
CANSECO
CANSINO
CANTARERO
CANTERO
CANTILLO
CANTORAN
CANTOS
CANTOU
CANTOYA
CANTRE
CANTRES
CANTU
CANTUA
CANTUTIJERINA
CANUELAS
CANZONA
CAPABLANCA
CAPACETE
CAPARRA
CAPARROS
CAPAS
CAPATA
CAPDEVILA
CAPELES
CAPELLAN
CAPELO
CAPERON
CAPESTANY
CAPETILLO
CAPIFALI
CAPILLA
CAPIN
CAPIRO
CAPISTRAN
CAPLANO
CAPMANY
CAPOTE
CAPRILES
CAPRINE
CASTRELLON
CASTRESANA
CASTRILLO
CASTRILLON
CASTRIZ
CASTRO
CASTRODAD
CASTROMAN
CASTRON
CASTROVERDE
CASTRUITA
CASUL
CASUSO
CATA
CATACALOS
CATACHE
CATALA
CATALAN
CATALENA
CATANACH
CATANO
CATAQUET
CATASCA
CATASUS
CATEORA
CATETE
CATOLICO
CATZOELA
CAUAZOS
CAUCE
CAUDALES
CAUDILLO
CAULA
CAUNDER
CAUSO
CAVANAS
CAVASAS
CAVASOS
CAVAZ
CAVAZAS
CAVAZOS
CAVAZOZ
CAVEDA
CAVERO
CAVEZA
CAVIEDES
CAVIEL
CLAUDIO
CLAUSTRO
CLAVEL
CLAVELL
CLAVELO
CLAVERAN
CLAVERIA
CLAVERO
CLAVIJO
CLEMENA
CLERO
CLIMENT
COBA
COBALLES
COBAR
COBARRUBIA
COBARRUBIAS
COBARRUBIO
COBARRUVIAS
COBAS
COBELO
COBEO
COBIAN
COBIELLA
COBIO
COBO
COBOS
COBREIRO
COCA
COCIO
CODINA
CODON
CODORNIZ
COELLO
COFINO
COFRESI
COIRA
COLACION
COLACO
COLARTE
COLAS
COLATO
COLCA
COLCHADO
COLDERON
COLDIVAR
COLEGIO
CUEN
CUENCA
CUENCO
CUENTAS
CUENTO
CUERDO
CUERO
CUERVO
CUESTA
CUESTAS
CUETO
CUEVA
CUEVAS
CUEVAZ
CUEVOS
CUILAN
CUIN
CUIZON
CULEBRO
CULTRERI
CUMBA
CUMPIAN
CUMPIANO
CUNANAN
CUNES
CUNEZ
CUNI
CUNILL
CUNYUS
CUPELES
CUPRILL
CURA
CURBELLO
CURBELO
CURET
CURIEL
CURRAIS
CURRAS
CURREA
CURZ
CUSCO
CUSTODIA
CUSTODIO
CUTIE
CUYA
CUYAR
CUZA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

DAB-DUR

DABALOS
DABILA
DACUMOS
DAGNESSES
DAGO
DAGUERRE
DAGUILAR
DALAMA
DALBOSCO
DALIPE
DALMAU
DALMIDA
DANACHE
DANTUS
DAPENA
DARDANES
DARDIZ
DARDON
DARIAS
DARNAUD
DARQUEA
DARRIBA
DARUNA
DASTAS
DATIL
DAUBAR
DAUILA
DAUSA
DAUZ
DAVALOS
DAVILA
DAVILAS
DAVILLA
DAVILO
DAZA
DCRUZ
DEAGEN
DEAGUERO
DEAGUILAR
DEAGUIRRE
DEALBA
DEALCALA
DEALEJANDRO
DEALVA
DEALVAREZ
DEAMADOR
DEANDA
DEANDE
DEANDRES
DEAQUERO
DEARAGON
DEARCE
DEARCO
DEARCOS
DEARELLANO
DEARIAS
DEARMAS
DEARO
DEJESUS
DEJESUSGARCIA
DEJESUSORTIZ
DEJIMENEZ
DEJORIA
DEJUAN
DELAARENA
DELABARCA
DELABARCENA
DELABARRERA
DELABARZA
DELABRA
DELACABADA
DELACAL
DELACALLE
DELACAMARA
DELACAMPA
DELACANAL
DELACERDA
DELACHICA
DELACONCEPCION
DELACONCHA
DELACORTE
DELACOTERA
DELACRUZ
DELACUADRA
DELACUESTA
DELACUEVA
DELACURZ
DELAESPRIELLA
DELAFE
DELAFUENTE
DELAFUENTES
DELAFUNTE
DELAGADILLO
DELAGADO
DELAGARRIGUE
DELAGARZA
DELAGDO
DELAGRANA
DELAGUARDIA
DELAGUERRA
DELAGUILA
DELAHERA
DELAHERRAN
DELAHOYA
DELAHOZ
DELAHUERTA
DELAISLA
DELAJARA
DELALASTRA
DELALCAZAR
DELALLATA
DELALLAVE
DELALLERA
DELALOZA
DELALTO
DELALUZ
DELMERCADO
DELMORAL
DELMUNDO
DELMURO
DELNODAL
DELOA
DELOEN
DELOERA
DELOLMO
DELOPEZ
DELORA
DELORO
DELOSADA
DELOSANGELES
DELOSANTOS
DELOSCOBOS
DELOSMONTEROS
DELOSPRADOS
DELOSREYES
DELOSRIOS
DELOSSANT
DELOSSANTOS
DELOYA
DELOYOLA
DELOZA
DELOZADA
DELPALACIO
DELPARDO
DELPILAR
DELPIN
DELPINAL
DELPINO
DELPORTILLO
DELPOSO
DELPOZO
DELPRADO
DELPUERTO
DELRAZO
DELREAL
DELREY
DELRICO
DELRIEGO
DELRINCON
DELRIO
DELRISCO
DELRIVERO
DELROSAL
DELROSARIO
DELSALTO
DELSOL
DELTEJO
DELTIEMPO
DELTORO
DELUA
DELUAO
DELUJAN
DELUNA
DELVAL
DESEVILLA
DESIERRA
DESIGA
DESOCARRAS
DESOCARRAZ
DESOLO
DESOSA
DESOTO
DESOTOMAYOR
DESPANIA
DESPLANTES
DESPUES
DESRAVINES
DESSERO
DESTRADA
DESUACIDO
DETAPIA
DETEJADA
DETEVIS
DETOLEDO
DETORRES
DETRANALTES
DETRES
DETRINIDAD
DEULLOA
DEVACA
DEVALDEZ
DEVALENCIA
DEVALLE
DEVALON
DEVARA
DEVARGAS
DEVARONA
DEVASQUEZ
DEVAZQUEZ
DEVEGA
DEVELASCO
DEVELEZ
DEVENCENTY
DEVERA
DEVIA
DEVIAN
DEVICENTE
DEVICTORIA
DEVILA
DEVILLA
DEVILLAR
DEVILLEGAS
DEVOLIN
DEYA
DEYCAZA
DEYNES
DEZA
DEZAMORA
DEZARA
DEZARRAGA
DEZAYAS
DEZUNIGA

DEARRIBA
DEARRILLAGA
DEARROYO
DEARTEAGA
DEASES
DEAVILA
DEAYALA
DEAZEVEDO
DEBACA
DEBARE
DEBARRA
DEBATISTA
DEBATO
DEBAYONA
DEBESA
DEBONILLA
DEBRAS
DEBRAVO
DEBRUYAN
DEBUENO
DECABRAL
DECALDERON
DECALLE
DECAMACHO
DECANTU
DECAPRILES
DECARDENAS
DECASAS
DECASO
DECASTANEDA
DECASTILLO
DECASTRO
DECENA
DECERDA
DECERVANTES
DECESPEDES
DECHAVEZ
DECHOUDENS
DECIGA
DECLET
DECOLLADO
DECOLON
DECONTRERAS
DECORDOBA
DECORDOVA
DECORO
DECORONA
DECORONADO
DECORSE
DECORTEZ
DECOS
DECRISTINO
DECRUZ
DECUEVA
DECUEVAS
DEDELGADO
DEDIAZ
DEDIEGO
DEDIOS
DEDOMINGUEZ
DEDUARTE
DEESPARZA
DEESTRADA
DEFALCON
DEFALLA
DEFERIA
DELAMADRID
DELAMANCHA
DELAMATA
DELAMAZA
DELAMELLA
DELAMERCED
DELAMO
DELAMORA
DELAMORENA
DELAMOTA
DELANDA
DELANGEL
DELANOVAL
DELANUEZ
DELAO
DELAOSA
DELAOSSA
DELAPARRA
DELAPASS
DELAPAZ
DELAPENA
DELAPEZA
DELAPIEDRA
DELAPLATA
DELAPORTILLA
DELAPOZA
DELAPRIDA
DELAPUENTE
DELARA
DELAREA
DELAREZA
DELARIOS
DELARIVA
DELAROCA
DELAROCHA
DELAROSA
DELAROZA
DELARRA
DELARROYO
DELARUA
DELASANTOS
DELASCASAS
DELASCUEVAS
DELASERNA
DELASHERAS
DELASIERRA
DELATEJA
DELATEJERA
DELATOBA
DELATORRE
DELATORRES
DELATORRIENTE
DELATRINIDAD
DELAUZ
DELAVARA
DELAVEGA
DELAVELLANO
DELAVICTORIA
DELAVINA
DELAYA
DELAZERDA
DELBARRIO
DELBLANCO
DELBOSQUE
DELBOSQUEZ
DELBOZQUE
DELVALLE
DELVILLAR
DELVINO
DEMACIAS
DEMALADE
DEMARCHENA
DEMARIN
DEMARQUEZ
DEMARRERO
DEMARTINEZ
DEMATA
DEMATAS
DEMATEO
DEMEDINA
DEMEIRE
DEMENA
DEMENDEZ
DEMENDOZA
DEMERCADO
DEMESA
DEMIGUEL
DEMIRANDA
DEMOLINA
DEMONTEBELLO
DEMONTES
DEMONTEVERDE
DEMONTOYA
DEMORALES
DEMORENO
DEMOYA
DEMUNOZ
DEMURGA
DENA
DENAVA
DENAVARRO
DENAVAS
DENAVEJAR
DENECOCHEA
DENIEVES
DENINA
DENOGEAN
DENORIEGA
DENUNEZ
DEOCA
DEOCAMPO
DEOCHOA
DEOLEO
DEOLIVIERA
DEOLMO
DEORO
DEORTA
DEORTEGA
DEORTIZ
DEOSDADE
DEOSORIO
DEOTERIS
DEOTERO
DEPABLO
DEPACHECO
DEPACO
DEPADILLA
DEPARRA
DEPAZ
DEPEDRO
DEPENA
DEPEREZ
DIACOS
DIAGO
DIAMOS
DIASDELEON
DIAZ
DIAZACEVEDO
DIAZCOLON
DIAZCRUZ
DIAZDEARCE
DIAZDELCAMPO
DIAZDELCASTILLO
DIAZDELEON
DIAZDEVILLEGAS
DIAZMEDINA
DIAZPIEDRA
DIAZRIVERA
DIAZRODRIGUEZ
DIEGO
DIEGUEZ
DIEPPA
DIEZ
DIMAS
DIODONET
DIODOSIO
DIONES
DIOS
DIOSDADO
DIOSES
DIRECTO
DISARUFINO
DISLA
DISTABILE
DOBAL
DOBAO
DOBARGANES
DOBLADO
DOCAL
DOCAMPO
DOCE
DOJAQUEZ
DOLATRE
DOLMO
DOMENA
DOMENECH
DOMENGUEZ
DOMENO
DOMENZAIN
DOMIGUEZ
DOMINCO
DOMINGEZ
DOMINGNEZ
DOMINGUEZ
DOMINGUIZ
DOMINIGUEZ
DOMINQUEZ
DOMIO
DOMONDON
DONADO
DONATE
DONEIS
DONES
DONESTEVEZ
DONEZ
DONIAS
DONJUAN
DONLUCAS

DEFERNANDEZ
DEFEX
DEFIESTA
DEFIGUEROA
DEFILLO
DEFLORES
DEFRESE
DEFRISCO
DEFUENTES
DEGANI
DEGARAY
DEGARCIA
DEGARZA
DEGELIA
DEGOES
DEGOLLADO
DEGOMEZ
DEGONZALES
DEGONZALEZ
DEGRACIA
DEGUARA
DEGUARDIA
DEGUERRA
DEGUERRERO
DEGUEVARA
DEGUIMERA
DEGUTIERREZ
DEGUZMAN
DEHARO
DEHERNANDEZ
DEHERRERA
DEHESA
DEHOMBRE
DEHORTA
DEHOSTOS
DEHOYAS
DEHOYOS
DEIBARRA
DEIDA
DEIMES
DEIRO
DEISLA
DEITA
DEITURRONDO
DEJARA
DEJAUREGUI
DEJESU
DELBREY
DELBUSTO
DELCADO
DELCALVO
DELCAMPILLO
DELCAMPO
DELCASTILLO
DELCASTRO
DELCERRO
DELCID
DELCOLLADO
DELCORRAL
DELCORRO
DELCRISTO
DELCUETO
DELCURTO
DELDAGO
DELEGANIS
DELEIJA
DELEON
DELERIO
DELERME
DELESCAILLE
DELEZA
DELFANTE
DELFIERRO
DELFIN
DELFRANCIA
DELGADA
DELGADILL
DELGADILLO
DELGADO
DELGADODEORAMAS
DELGIORGIO
DELGODO
DELHARO
DELHIERRO
DELHOYO
DELIGANIS
DELIRA
DELISEO
DELIZ
DELJUNCO
DELLANO
DELLLANO
DELMARGO
DELMENDO
DEPLATA
DEPONCE
DEPORTILLO
DEPORTO
DEPORTOLA
DEPOZO
DEPRAD
DEPRADO
DEQUESADA
DEQUEVEDO
DEQUINTANA
DEQUIROZ
DERAMIREZ
DERAMOS
DERAS
DERENIA
DEREYES
DERIOS
DERIVAS
DERIVERA
DERMA
DEROBLES
DEROCA
DERODRIGUEZ
DERODRIQUEZ
DEROJAS
DEROMERO
DEROSARIO
DEROZA
DERRERA
DERUBIO
DERUEDA
DERUISA
DESABOTA
DESAENZ
DESALAS
DESALAZAR
DESALERNOS
DESALES
DESALINAS
DESANCHEZ
DESANTIAGO
DESANTIASGO
DESANTOS
DESARACHO
DESCALZO
DONOSO
DOPAZO
DOPICO
DOPORTO
DORADO
DORAME
DORANTES
DORREGO
DORTA
DORTICOS
DOSAL
DOSAMANTES
DOSELA
DOVAL
DOVALES
DOVALINA
DOVO
DOZAL
DSPAIN
DUARDO
DUARTE
DUARTES
DUBON
DUCOS
DUEN
DUENAS
DUENES
DUENEZ
DUENO
DUENOS
DUHAGON
DUHALDE
DULZAIDES
DUMAGUINDIN
DUMBRIGUE
DUME
DUMENG
DUMENIGO
DUQUE
DURAN
DURANGO
DURANONA
DURANZA
DURATE
DURAZO
DURON

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

ECH-EZR

ECHABARNE
ECHANDI
ECHANDIA
ECHANIZ
ECHARREN
ECHARRI
ECHARTEA
ECHAUARRIA
ECHAURI
ECHAVARIA
ECHAVARRI
ECHAVARRIA
ECHAVARRY
ECHAVE
ECHAVERIA
ECHAVES
ECHAVESTE
ECHAVEZ
ECHAZABAL
ECHAZARRETA
ECHEAGARAY
ECHEANDIA
ECHEBARRIA
ECHEGARAY
ECHEGOYEN
ECHEGUREN
ECHEMENDIA
ECHENIQUE
ECHERIVEL
ECHERRI
ECHEVARIA
ECHEVARRIA
ECHEVARRIETA
ECHEVARRIO
ECHEVERIA
ECHEVERRI
ECHEVERRIA
ECHEVERRY
ECHEVESTE
ECHEZABAL
ECHEZARRETA
ECHIRIBEL
ECHIVERRI
ECHIVESTER
EDERRA
EDESA
EDEZA
EDILLO
EDQUIVEL
EDREIRA
EDROSA
EDROSOLAN
EDROZO
EGANA
EGAS
EGEA
EGIPCIACO
EGLESIAS
ELORREAGA
ELORRIAGA
ELORZA
ELOSEGUI
ELOSUA
ELUGARDO
ELVIRA
ELYCIO
EMMANUELLI
EMMITE
EMPASIS
EMPERADOR
EMPLEO
ENAMORADO
ENCALADA
ENCALLADO
ENCARNACION
ENCERRADO
ENCHAUTEGUI
ENCHINTON
ENCINA
ENCINAS
ENCINIA
ENCINIAS
ENCINIOS
ENCINO
ENCINOSA
ENCISCO
ENCISO
ENCIZO
ENDARA
ENDAYA
ENDEMANO
ENDOSO
ENGRACIO
ENGUIDANOS
ENJADY
ENRIGUEZ
ENRIQUE
ENRIQUES
ENRIQUEZ
ENRRIQUEZ
ENSENAT
EPIDENDIO
EQUIA
EQUIHUA
ERAS
ERASO
ERAUSQUIN
ERAZO
ERCHED
ERCILLA
ERCILLO
ERDOZAIN
EREBIA
EREDIA
ERES
EREVIA
ESCARDA
ESCARENIO
ESCARENO
ESCARIZ
ESCARPIO
ESCARRA
ESCARRAMAN
ESCARREGA
ESCARSEGA
ESCARSIGA
ESCARTIN
ESCARZAGA
ESCARZEGA
ESCASENA
ESCATEL
ESCATELL
ESCATIOLA
ESCAURIZA
ESCOBADO
ESCOBAL
ESCOBALES
ESCOBAR
ESCOBARETE
ESCOBEBO
ESCOBEDA
ESCOBEDO
ESCOBER
ESCOBIDO
ESCOBIO
ESCOBOSA
ESCOBOZA
ESCOCHEA
ESCODEDO
ESCOJIDO
ESCOLAR
ESCOMILLA
ESCONTRIAS
ESCORCIA
ESCORIAZA
ESCORPISO
ESCORZA
ESCOTA
ESCOTO
ESCOVADO
ESCOVAR
ESCOVEDO
ESCOVER
ESGUERRA
ESPADA
ESPADAS
ESPAILLAT
ESPALIN
ESPANA
ESPANO
ESPANOL
ESPANOLA
ESPARAZA
ESPARRA
ESQUERO
ESQUERRA
ESQUERRE
ESQUEVEL
ESQUIBAL
ESQUIBEL
ESQUIBIAS
ESQUIERDO
ESQUIJAROSA
ESQUIJARROSA
ESQUILIANO
ESQUILIN
ESQUINCA
ESQUINEL
ESQUIVAL
ESQUIVEL
ESQUIVEZ
ESQUIVIAS
ESTABA
ESTABILLO
ESTADA
ESTADES
ESTALA
ESTAMPA
ESTANOL
ESTAPE
ESTAVILLA
ESTAVILLO
ESTEBAN
ESTEBANE
ESTEBANEZ
ESTEBES
ESTEBEZ
ESTEFAN
ESTEFANI
ESTELA
ESTENOZ
ESTEPA
ESTEPAN
ESTERAS
ESTERO
ESTEUES
ESTEVA
ESTEVAN
ESTEVANE
ESTEVANES
ESTEVANEZ
ESTEVES
ESTEVEZ
ESTEVIS
ESTEVIZ
ESTIEN
ESTIMBO
ESTOLANO
ESTOLAS
ESTOPELLAN
ESTOPINAN
ESTOQUE

EGUED
EGUES
EGUEZ
EGUIA
EGUIGUREN
EGUILUZ
EGUINO
EGUIZABAL
EGURE
EGURROLA
EGUSQUIZA
EIRAS
EIRIZ
ELEBARIO
ELEGINO
ELEJALDE
ELEMEN
ELENA
ELENES
ELENEZ
ELEVARIO
ELEZONDO
ELGARRESTA
ELGO
ELGUEA
ELGUERA
ELGUESEBA
ELGUEZABAL
ELICIER
ELISALDA
ELISALDE
ELISALDEZ
ELISARRARAZ
ELISERIO
ELISONDO
ELIXAVIDE
ELIZADE
ELIZAGA
ELIZALDA
ELIZALDE
ELIZALDI
ELIZANDO
ELIZANDRO
ELIZARDE
ELIZARDI
ELIZARDO
ELIZARRARAS
ELIZARRARAZ
ELIZARRAS
ELIZONDA
ELIZONDO
ELJAUA
ELORDUY
ERIBES
ERIVES
ERIVEZ
EROLES
EROSA
ERREA
ERRECA
ERRISURIZ
ERRO
ERROA
ESCABAR
ESCABEDO
ESCABI
ESCABIA
ESCAJEDA
ESCALA
ESCALADA
ESCALANTE
ESCALENTE
ESCALERA
ESCALET
ESCALLE
ESCALLON
ESCALON
ESCALONA
ESCALONTE
ESCAMILLA
ESCAMILLAS
ESCAMILLO
ESCANAME
ESCANDELL
ESCANDON
ESCANES
ESCANIO
ESCANO
ESCANUELA
ESCANUELAS
ESCAPA
ESCAPITA
ESCAPULE
ESCAR
ESCARCEGA
ESCARCIDA
ESCARCIGA
ESCRIBA
ESCRIBANO
ESCRICHE
ESCUADRA
ESCUDER
ESCUDERO
ESCUETA
ESCUJURI
ESCUTIA
ESPARSA
ESPARSEN
ESPARZ
ESPARZA
ESPEJEL
ESPEJO
ESPELETA
ESPENDEZ
ESPENOSA
ESPENOZA
ESPERA
ESPERANZA
ESPERAS
ESPERICUETA
ESPERIQUETA
ESPERO
ESPERON
ESPIGUL
ESPINA
ESPINAL
ESPINALES
ESPINAR
ESPINDOLA
ESPINDULA
ESPINEIRA
ESPINEL
ESPINELL
ESPINET
ESPINO
ESPINOR
ESPINOSA
ESPINOZ
ESPINOZA
ESPIRICUETA
ESPIRITI
ESPIRITU
ESPITALETA
ESPITIA
ESPLANA
ESPONDA
ESPRIU
ESPRONCEDA
ESPUDO
ESPURVOA
ESQUEA
ESQUEDA
ESQUEDO
ESQUELL
ESQUENAZI
ESQUER
ESQUERA
ESQUERDO
ESTORGA
ESTRACA
ESTRAD
ESTRADA
ESTRADAS
ESTRADE
ESTRADO
ESTRALLA
ESTRANY
ESTRELLA
ESTRELLAS
ESTRELLO
ESTREMERA
ESTREMO
ESTRINGEL
ESTRONZA
ESTUDILLO
ESTUPINAN
ETCHEBARREN
ETCHEBEHERE
ETCHECHURY
ETCHEGARAY
ETCHEPARE
ETCHEVERRIA
ETCHEVERRY
EUDAVE
EUFRACIO
EULATE
EURESTE
EURESTI
EURIOSTE
EUSEBIO
EUSTAQUIO
EUZARRAGA
EVANGEL
EVANGELATOS
EVARO
EVIA
EXIGA
EXINIA
EXPARZA
EXPOSITO
EYLICIO
EYZAGUIRRE
EZCURRA
EZETA
EZQUEDA
EZQUER
EZQUERRA
EZQUERRO
EZRATTY
EZRRE

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

FAB-FUS

FABAL
FABELA
FABELO
FABILA
FABRA
FABREGAS
FABREGAT
FABROS
FABRYGEL
FACIO
FACUNDO
FADRIQUE
FAGET
FAGOAGA
FAGUNDO
FAILA
FAILDE
FAJARDO
FALCHE
FALCON
FALERO
FALLEJO
FALOMIR
FALQUEZ
FALTO
FALU
FAMANIA
FAMILIA
FANDINO
FANEGO
FANGON
FANGONILO
FANJUL
FARACH
FARAGOZA
FARFAN
FARGA
FARGAS
FARIAS
FARILLAS
FARINAS
FARINOS
FARIOS
FARPELLA
FARRALES
FARRAY
FARRERA
FARRIAS
FARROS
FARRULLA
FAS
FAUDOA
FAUELA
FAUNI
FAURA
FAURIA
FAUSTINOS
FAUSTO
FELUMERO
FEMAT
FEMATH
FEMATT
FENTANES
FENTE
FEO
FERAMISCO
FERDIN
FEREZ
FERIA
FERMANDEZ
FERMIN
FERNADEZ
FERNANDE
FERNANDEZ
FERNANDEZCUETO
FERNANDEZDECASTRO
FERNANDEZDELARA
FERNANDO
FERNENDEZ
FERNIZ
FERNIZA
FERRADAS
FERRADAZ
FERRAEZ
FERRAIZ
FERRALES
FERRALEZ
FERRANDES
FERRANDIZ
FERRAS
FERRE
FERREGUR
FERREIRAS
FERREIRO
FERRER
FERRERAS
FERRERIS
FERREYRA
FERREYRO
FERREZ
FERRUA
FERRUSCA
FESTEJO
FEYJOO
FIALLO
FIALLOS
FIDEL
FIEROVA
FIERRO
FIERROS
FIERROZ
FIESTAL
FIGAL
FIGAREDO
FIGARELLA
FIGAROLA
FIOL
FIQUEROA
FIRA
FIRPI
FIUZA
FLACO
FLAMENCO
FLANDES
FLANDEZ
FLAQUER
FLECHA
FLECHES
FLEITAS
FLEITES
FLEMATE
FLETE
FLETES
FLOPES
FLORATOS
FLORENCIA
FLORENCIO
FLORES
FLORESDELGADO
FLOREZ
FLORIDO
FLORIT
FLORITA
FLUXA
FOJO
FOLGAR
FOLGUEIRA
FOLGUEIRAS
FONALLEDAS
FONCERRADA
FONNEGRA
FONSECA
FONT
FONTAN
FONTANES
FONTANET
FONTANEY
FONTANEZ
FONTANILLS
FONTANOZA
FONTEBOA
FONTECHA
FONTELA
FONTENO
FONTICIELLA
FONTICOBA
FORCELLEDO
FORCEN
FORDIS
FORERO
FORMANO
FORMENT
FORMEZA
FORNARIS
FRAIRE
FRAMIL
FRANCA
FRANCISCA
FRANCO
FRANCOS
FRANGUI
FRANJUL
FRANQUERO
FRANQUEZ
FRANQUI
FRANQUIZ
FRANSUA
FRANZOY
FRAQUA
FRASES
FRASQUILLO
FRATICELLI
FRAU
FRAUSTO
FRAUSTRO
FRAXEDAS
FRAYO
FRAYRE
FREDELUCES
FREGOSA
FREGOSO
FREGOZO
FREIJO
FREIRE
FREIRIA
FREIXAS
FRENES
FRES
FRESCAS
FRESCAZ
FRESNEDA
FRESNEDO
FRESNILLO
FRESNO
FRESQUES
FRESQUEZ
FREYRE
FREYTA
FREYTES
FRIAS
FRIAZ
FRIETZE
FRIGOLA
FRISAN
FROMETA
FRONDARINA
FRONTADO
FRONTELLA
FRONTERAS
FROSTO
FRUGIA
FRUTOS

FAVELA
FAVELLA
FAVELO
FAVILA
FAYA
FAZ
FEAL
FEBLES
FEBRE
FEBRES
FEIGA
FEIJOO
FEITO
FELAN
FELANDO
FELIBERTY
FELICANO
FELICIANO
FELICITAS
FELICO
FELIPE
FELISCIAN
FELIU
FELIX
FELIZ
FELPETO
FIGEROA
FIGIROVA
FIGOROA
FIGUEIRAS
FIGUERA
FIGUERAS
FIGUERDA
FIGUEREDO
FIGUEREO
FIGUERIA
FIGUERO
FIGUEROA
FIGUEROLA
FIGUERON
FIGUERORA
FIGUEROSA
FIGUERRA
FIGUROA
FIGVEROA
FILGUEIRAS
FILIZOLA
FILLAS
FILOTEO
FIMBRES
FIMBREZ
FINALES
FORNASERO
FORNOS
FORNS
FORTANEL
FORTEZ
FORTEZA
FORTIZ
FORTUNO
FOYO
FRACISCO
FRADEJAS
FRADERA
FRAGA
FRAGINALS
FRAGO
FRAGOMENO
FRAGOSA
FRAGOSO
FRAGOZO
FRAGUA
FRAGUADA
FRAGUAS
FRAGUELA
FRAGUIO
FRAIDE
FRAIJO
FRUTOZ
FUENMAYOR
FUENTAS
FUENTE
FUENTECILLA
FUENTEFRIA
FUENTES
FUENTEZ
FUENZALIDA
FUERO
FUERTE
FUERTES
FUERTEZ
FUEYO
FULGENCIO
FULGUEIRA
FUMERO
FUNCIA
FUNDORA
FUNES
FUNEZ
FUNO
FUSANO
FUSTE
FUSTER

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

GAB-GUZ

GABALDEN
GABALDON
GABANCHO
GABASAN
GABELA
GABILONDO
GABINA
GABINO
GABRILES
GABRILLO
GACHARNA
GACHUPIN
GADAL
GADEA
GADIA
GAETAN
GAFARE
GAGO
GAHONA
GAINZA
GAITAN
GAITERO
GAIVAN
GAJARDO
GAJATE
GALABEAS
GALACHE
GALAGARZA
GALAN
GALARCE
GALARRAGA
GALARRETA
GALARSA
GALARTE
GALARZA
GALARZE
GALAVEZ
GALAVIS
GALAVIZ
GALAZ
GALBAN
GALCERAN
GALDAMES
GALDAMEZ
GALDEANO
GALDOS
GALDUROZ
GALEANA
GALEANO
GALENDEZ
GALERA
GALERIA
GALGUERA
GALI
GALIANA
GALICIA
GALINANES
GALIND
GARCIAV
GARCIDUENAS
GARCIGA
GARCILASO
GARCILAZO
GARCIO
GARDEA
GARDIA
GARDUNIO
GARDUNO
GARDUQUE
GAREIA
GARFIAS
GARFIO
GARGUENA
GARI
GARIA
GARIB
GARIBALDO
GARIBAY
GARIBY
GARICA
GARIFE
GARISPE
GARITA
GARITE
GARIVAY
GARMENDIA
GARMENDIZ
GARMISA
GARNICA
GARRANDES
GARRASTAZU
GARRIDO
GARRIGA
GARRIGAS
GARRIGO
GARRIGOS
GARRIO
GARROBO
GARROCHO
GARROTE
GARSA
GARSES
GARTICA
GARVISO
GARZA
GARZACANTU
GARZAGARCIA
GARZAGONGORA
GARZAMARTINEZ
GARZAPENA
GARZARO
GARZES
GARZON
GARZONA
GARZORIA
GASCA
GIRELA
GIRION
GIRO
GIRON
GIRONA
GIRONELLA
GISBERT
GISPERT
GIZ
GLORIA
GOBEA
GOCHEZ
GOCHICOA
GODINA
GODINES
GODINET
GODINEZ
GODOY
GOENA
GOENAGA
GOICOCHEA
GOICOURIA
GOICURIA
GOIRICELAYA
GOITIA
GOLDEROS
GOMAR
GOME
GOMEZ
GOMEZDEMOLINA
GOMEZTORRES
GOMEZTREJO
GOMZALEZ
GONALEZ
GONAZLEZ
GONDAR
GONDREZ
GONEZ
GONGALES
GONGALEZ
GONGORA
GONI
GONSALE
GONSALES
GONSALEZ
GONZABA
GONZAES
GONZAGUE
GONZAL
GONZALAS
GONZALE
GONZALEA
GONZALES
GONZALEX
GONZALEZ
GONZALEZDIAZ
GONZALEZHERNANDEZ
GONZALEZLEON
GUADAGNIN
GUADALAJARA
GUADALUPE
GUADAMUZ
GUADARAMA
GUADARRAMA
GUADERRAMA
GUADIAN
GUADIANA
GUADIANO
GUADRON
GUAIDA
GUAJACA
GUAJARDO
GUAL
GUALDARRAMA
GUAMAN
GUANA
GUANAJUATO
GUANCHE
GUANGORENA
GUANILL
GUANTE
GUANTES
GUANTEZ
GUAPO
GUARA
GUARACHA
GUARCH
GUARDADO
GUARDAMONDO
GUARDARRAMA
GUARDARRAMOS
GUARDERAS
GUARDIAN
GUARDIAS
GUARDIOLA
GUARENO
GUARIS
GUARJARDO
GUARNERO
GUARNEROS
GUARTUCHE
GUAS
GUASCH
GUASH
GUASP
GUAYANTE
GUAYDACAN
GUDIEL
GUDINO
GUEBARA
GUECHO
GUEDE
GUEDEA
GUEDES
GUEDIN
GUEIMUNDE

GALINDA
GALINDEZ
GALINDO
GALINDRO
GALINZOGA
GALIZ
GALLAGA
GALLAGOS
GALLANES
GALLARD
GALLARDE
GALLARDO
GALLARETO
GALLART
GALLARZA
GALLARZO
GALLASTEGUI
GALLEG
GALLEGAS
GALLEGO
GALLEGOES
GALLEGOS
GALLEGOZ
GALLEGUS
GALLENO
GALLERAN
GALLERITO
GALLINAL
GALLINAR
GALLOR
GALLOSA
GALMES
GALOFRE
GALORZA
GALVAN
GALVE
GALVES
GALVEZ
GAMA
GAMALLO
GAMARRA
GAMAZA
GAMAZO
GAMBOA
GAMERO
GAMEROS
GAMEROZ
GAMEY
GAMEZ
GAMINO
GAMIO
GAMIZ
GAMONEDA
GANADONEGRO
GANAN
GANCEDO
GANCERES
GANDAR
GANDARA
GANDARIA
GANDARILLA
GANDARILLAS
GANDIA
GANDON
GANDORA
GANIVET
GASCOT
GASERO
GASIO
GASPARDEALBA
GASPORRA
GASTELLO
GASTELLUM
GASTELO
GASTELUM
GASU
GATAN
GATELL
GATICA
GATO
GATSEOS
GATTORNO
GAUBA
GAUCHAS
GAUCIN
GAUD
GAUDIER
GAUNA
GAUZENS
GAVALDON
GAVALES
GAVAY
GAVIA
GAVICA
GAVIDIA
GAVILA
GAVILAN
GAVILANES
GAVILLA
GAVILLAN
GAVINA
GAVINO
GAVIRA
GAVIRIA
GAVITO
GAXIOLA
GAYA
GAYARRE
GAYO
GAYOL
GAYOSO
GAYOSSO
GAYTAN
GAZCA
GAZIVODA
GAZOLAS
GAZTAMBIDE
GAZTELU
GEA
GEADA
GEAGA
GEBARA
GEIGEL
GELABERT
GELACIO
GELERA
GELI
GELISTA
GELY
GENAO
GENDES
GENEL
GONZALEZSOTO
GONZALO
GONZALVEZ
GONZALVO
GONZALZ
GONZAQUE
GONZELEZ
GONZELL
GONZLAES
GONZLAEZ
GONZLES
GONZLEZ
GONZOLES
GONZOLEZ
GORBEA
GORDIANY
GORDILLO
GORDILS
GORDO
GORDOA
GORENA
GOROSAVE
GOROSTIETA
GOROSTIZA
GOROZA
GORRAIZ
GORRICHO
GORRINDO
GORRITA
GORRITZ
GORRIZ
GORTAREZ
GORZELA
GOSALVEZ
GOTANDA
GOTAY
GOTERA
GOTIERREZ
GOTOR
GOVANTES
GOVEA
GOVELLA
GOYANES
GOYCO
GOYCOCHEA
GOYCOECHEA
GOYCOOLEA
GOYENECHE
GOYOS
GOYTIA
GOYZUETA
GOZMAN
GRACIA
GRACIAN
GRACIANI
GRACIANO
GRACIDA
GRADIAS
GRADILLA
GRADILLAS
GRADISAR
GRADO
GRAFALS
GRAGEDA
GRAIBE
GRAJALES
GUEITS
GUEL
GUELBENZU
GUELMES
GUEMES
GUEMEZ
GUERA
GUERARA
GUERECA
GUERENA
GUERENO
GUEREQUE
GUERERO
GUERERRO
GUERNICA
GUERRA
GUERREO
GUERRER
GUERRERO
GUERRIDO
GUERRIOS
GUERRO
GUERRRA
GUEVARA
GUEVAREZ
GUEVARRA
GUEVERA
GUEVERRA
GUEZ
GUIA
GUIBOA
GUICHO
GUIDERO
GUIJARRO
GUIJOSA
GUILARTE
GUILBE
GUILEZ
GUILLAMA
GUILLEMARD
GUILLEN
GUILLENA
GUILLERMETY
GUILLERMO
GUINA
GUIRADO
GUIRALES
GUIREMAND
GUIROLA
GUISA
GUISADO
GUISAO
GUISAR
GUITANO
GUITERREZ
GUITIAN
GUITIERREZ
GUITRON
GUITTEREZ
GUITTERREZ
GUITY
GUIU
GUIVAS
GUIZA
GUIZADO
GUIZAR

GANUELAS
GANUZA
GANZALEZ
GAONA
GARABAY
GARABITO
GARACOCHEA
GARAICOECHEA
GARALDE
GARAMENDI
GARAMILLO
GARANA
GARANSUAY
GARANZUAY
GARAT
GARATE
GARATEIX
GARAVITO
GARAY
GARAYALDE
GARAYGORDOBIL
GARAYUA
GARAYZAR
GARAZA
GARBANI
GARBAYO
GARBISO
GARBIZO
GARCA
GARCED
GARCEL
GARCELL
GARCEO
GARCERA
GARCERAN
GARCES
GARCEZ
GARCIA
GARCIACARDENAS
GARCIAGONZALEZ
GARCIAGUERRERO
GARCIAGUZMAN
GARCIALOPEZ
GARCIAMARTINEZ
GARCIAPENA
GARCIARIOS
GARCIAS
GENER
GENERA
GENESTA
GENINO
GENIZ
GENOVES
GERALDES
GERALDINO
GERALDO
GERARDO
GERENA
GEREZ
GERMENIS
GERMES
GERMONO
GEROLAGA
GERONES
GERRO
GERUSA
GHIGLIOTTY
GIJON
GIL
GILAS
GILBES
GILBUENA
GILDELAMADRID
GIMENEZ
GIMENO
GIMINEZ
GINART
GINARTE
GINDRO
GINER
GINET
GINEZ
GINORI
GINORIO
GINORIS
GINORY
GIRADO
GIRALD
GIRALDES
GIRALDEZ
GIRALDO
GIRALT
GIRAU
GIRAUDO
GRAJEDA
GRAJERA
GRAJIOLA
GRAMAJO
GRANADA
GRANADAS
GRANADINO
GRANADO
GRANADOS
GRANADOZ
GRANAS
GRANDA
GRANDEZ
GRANDIO
GRANDOS
GRANELA
GRANERO
GRANIELA
GRANILLO
GRANIS
GRANIZO
GRANJA
GRATACOS
GRAULAU
GRAUPERA
GRAVERAN
GRAZA
GREIGO
GRES
GRIEGO
GRIHALVA
GRIJALBA
GRIJALUA
GRIJALVA
GRILLASCA
GRILLIAS
GRIMALDO
GRISALES
GROLON
GRONA
GROSO
GROVAS
GRUESO
GRULLON
GRUSMAN
GUABA
GUADA
GUJARDO
GULARTE
GULBAS
GULDRIS
GULDRIZ
GULIERREZ
GUMA
GUNDIN
GURARO
GURELL
GURIDES
GUROLA
GURRERO
GURRIA
GURRIES
GURROLA
GURRUCHAGA
GURULE
GURVLE
GURZI
GUSMAN
GUSME
GUSTAMANTE
GUSTAMENTE
GUSTO
GUTERREZ
GUTIERES
GUTIEREZ
GUTIERIEZ
GUTIERR
GUTIERRE
GUTIERREA
GUTIERRER
GUTIERRES
GUTIERREZ
GUTIERREZGARCIA
GUTIERREZRIOS
GUTIERRZ
GUTIRREZ
GUTTEREZ
GUTTERREZ
GUTTIEREZ
GUTTIERREZ
GUZMAN
GUZMELI
GUZMON

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

HAC-HYS

HACES
HAEDO
HANONO
HARGITA
HARISPURU
HARO
HAROS
HARVIER
HAYOS
HECHANOVA
HECHAVARRIA
HECHEVARRIA
HEGUY
HELGUERA
HELGUERO
HELGUEROS
HENANDEZ
HENAO
HENARES
HENOJOSA
HENRIGUEZ
HENRIQUEZ
HERALDEZ
HERANDEZ
HERAS
HERAZ
HERBELLO
HEREBIA
HEREDERO
HEREDIA
HEREIDA
HERENA
HERERA
HERERRA
HERETER
HERIA
HERIDIA
HERMANDEZ
HERMIDA
HERMIDAS
HERMIS
HERMOCILLO
HERMOGENO
HERMOSA
HERMOSILLO
HERMOSO
HERNADEZ
HERNAEZ
HERNAIZ
HERNAND
HERNANDE
HERNANDEL
HERNANDER
HERNANDES
HERNANDEZ
HERNANDEZCANTU
HERNANDEZORTIZ
HERNANDO
HERNANDORENA
HERNANDZ
HERNANEZ
HERNDEZ
HERNENDEZ
HERONEMA
HERRADA
HERRADOR
HERRAN
HERRANZ
HERRARA
HERRARTE
HERREA
HERREJON
HERRENA
HERRER
HERRERA
HERRERAS
HERRERIA
HERRERIAS
HERRERO
HERREROS
HERRERRA
HERROZ
HERVAS
HERVELLA
HERVIS
HEVIA
HEYSQUIERDO
HIBARRA
HIDALGA
HIDALGO
HIDALGOGATO
HIDAS
HIDROGO
HIERREZUELO
HIERRO
HIGADERA
HIGAREDA
HIGARES
HIGNOJOS
HIGNOJOZ
HIGUERA
HIGUERAS
HIGUERO
HIGUEROS
HIJAR
HILARIO
HILERIO
HINAJOSA
HINESTROSA
HINOJAS
HINOJO
HINOJOS
HINOJOSA
HINOJOSE
HINOJOSO
HINOJOZA
HINOSTRO
HINOSTROSA
HINOSTROZA
HINZO
HIPOLITO
HIRALDO
HIRALES
HIRALEZ
HIRIGOYEN
HIRTADO
HISQUIERDO
HITA
HOGEDA
HOJAS
HOLGIN
HOLGUIN
HOLQUIN
HOMAR
HOMS
HONESTO
HONGOLA
HONORIO
HONRADA
HORABUENA
HORACIO
HORCASITAS
HORELICA
HORMACHEA
HORMAZA
HORMAZABAL
HORMILLA
HORNEDO
HORRUITINER
HORTA
HOSTAS
HOSTOS
HOYO
HOYOS
HOYUELA
HUACUJA
HUALDE
HUAMAN
HUANTE
HUANTES
HUAPE
HUARACHA
HUARTE
HUEDA
HUERECA
HUERENA
HUEREQUE
HUERGAS
HUERGO
HUERTA
HUERTAS
HUERTAZ
HUERTERO
HUERTO
HUERTOS
HUESCA
HUESO
HUETE
HUEZO
HUGUEZ
HUICI
HUICOCHEA
HUIDOR
HUIPE
HUISAR
HUITRON
HUIZAR
HUMADA
HUMILDAD
HURADO
HURBINA
HURIEGA
HURON
HURRIEGA
HURTADA
HURTADO
HURTARTE
HYSQUIERDO

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

IAN-JUV

IANEZ
IANOS
IBANES
IBANEZ
IBAR
IBARBO
IBARGUENGOITIA
IBARLUCEA
IBARRA
IBARRIA
IBARRONDO
IBAVE
IBAVEN
IBERRA
IBERRI
IBINARRIAGA
IBOS
IBUADO
ICAMEN
ICARDO
ICASIANO
ICAZA
ICEDO
ICHINAGA
IDARRAGA
IDIAQUEZ
IDIGORAS
IDOY
IDROGO
IDROVO
IGARAVIDEZ
IGARTUA
IGLECIAS
IGLESIA
IGLESIAS
IGNACIO
IGOA
IGUALADA
IGUINA
ILARRAZA
ILDEFONSO
ILHARREGUY
ILIZALITURRI
ILLAN
ILLANES
ILLAS
ILLERA
ILLESCAS
IMAS
IMAZ
INCHAURREGUI
INCHAUSTEGUI
INCHAUSTI
INCLAN
INDART
INSULAR
INSUNZA
INSURRIAGA
INTERIAN
INTRIAGO
INURRIGARRO
INZUNZA
IPARRAGUIRRE
IPINA
IQUINA
IRACHETA
IRAGUI
IRAHETA
IRALA
IRAOLA
IRASTORZA
IRAZABAL
IRAZOQUI
IRIART
IRIARTE
IRIBARREN
IRIBE
IRIGARAY
IRIGONEGARAY
IRIGOYEN
IRIMIA
IRINEO
IRIONDO
IRIQUI
IRISARRI
IRIYE
IRIZAR
IRIZARRI
IRIZARRY
IRIZARY
IRIZZARY
IRLAS
IROZ
IRRIBARREN
IRRIZARRI
IRRIZARRY
IRRIZARY
IRROBALI
IRUEGAS
IRUNGARAY
IRURETAGOYENA
IRVEGAS
ISAGUIRRE
ISAIS
ISAIZ
ISALES
ISARRARAS
ISAS
ISASSI
ISERN
ITURRIOZ
IVANEZ
IVARRA
IXTA
IZA
IZABAL
IZAGUIRRE
IZAQUIRRE
IZAR
IZNAGA
IZQUIERDO
IZURIETA

JACAS
JACINTO
JACOBO
JACOME
JACOMINO
JACOVO
JACQUEZ
JACUINDE
JAIDAR
JAILE
JAIME
JAIMERENA
JAIMES
JAIMEZ
JAIRALA
JALAMO
JALLEO
JALOMA
JALOMO
JALTECO
JANER
JANERO
JAQUEZ
JAQUIAS
JARA
JARABA
JARAMILIO
JARAMILLA
JARAMILLO
JARDINES
JARDINEZ
JARERO
JARMILLO
JAROMILLO
JARQUEZ
JARQUIN
JARRIN
JARRO
JASO
JASSO
JATIVA
JAUMA
JIMAREZ
JIMEMEZ
JIMENA
JIMENE
JIMENES
JIMENEZ
JIMENIZ
JIMENO
JIMENZ
JIMINEZ
JINETE
JINEZ
JINZO
JIRAU
JIRON
JOFRE
JOJOLA
JOMARRON
JORAMILLO
JORDANA
JORGANES
JORGE
JORNACION
JORQUERA
JORQUEZ
JORRIN
JOVE
JOVELLANOS
JOVER
JOVET
JOYA
JUACHON
JUAN
JUANCHO
JUANERO
JUANES
JUANEZ
JUANEZA
JUANICO
JUANITAS
JUANO
JUARA
JUARBE
JUARDO
JUARE
JUAREGUI
JUARES
JUAREZ
JUARISTI
JUARRERO
JUARROS
JUBELA
JUELLE
JUEZ
JUFIAR

INESTA
INESTROZA
INEZ
INFANTE
INFANTES
INFANZON
INFIESTA
INGELMO
INGRANDE
INGUANZO
INGUITO
INIGO
INIGUES
INIGUEZ
INIQUEZ
INOA
INOCENCIO
INOSTROS
INOSTROSA
INOSTROZA
INSAUSTI
INSERNI
INSIGNARES
INSUA
ISIAS
ISIDRON
ISLA
ISLAS
ISLAVA
ISONA
ISORDIA
ISQUIERDO
ISUNZA
ITHIER
ITUARTE
ITULE
ITURBE
ITURBI
ITURBIDE
ITURMENDI
ITURRALDE
ITURRASPE
ITURREGUI
ITURRI
ITURRIA
ITURRIAGA
ITURRINO
JAUME
JAUNARENA
JAUNES
JAURE
JAUREGUI
JAUREGUIBERRY
JAUREGUY
JAURENA
JAUREQUI
JAUREZ
JAURGUI
JAURIGI
JAURIGUE
JAURIGUI
JAURIQUE
JAURIQUI
JAURQUI
JAURRIETA
JAVIER
JAVIERRE
JEMENTE
JEREZ
JESUS
JULBE
JULIA
JUNCADELLA
JUNCAL
JUNCO
JUNCOSA
JUNEZ
JUNGUERA
JUNQUERA
JURADO
JURAEZ
JURAHUI
JURDI
JURE
JURI
JURREZ
JUSAINO
JUSINO
JUSTINIANI
JUSTINIANO
JUSTIZ
JUVER
JUVERA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

LAB-LUZ

LABADOR
LABADY
LABANDEIRA
LABARGA
LABARTA
LABASTIDA
LABASTILLA
LABIO
LABIOSA
LABISTE
LABOCA
LABORDA
LABORI
LABORICO
LABORIN
LABOY
LABRA
LABRADA
LABRADO
LABRADOR
LABUZAN
LACA
LACALLE
LACARRA
LACASA
LACASELLA
LACAYO
LACEBAL
LACEDONIA
LACERA
LACHAPPA
LACHICA
LACHICO
LACOMBA
LACOME
LACONCHA
LACRET
LACRUE
LACRUZ
LACSAMANA
LADAGA
LAFARGA
LAFEBRE
LAFFONT
LAFORTEZA
LAFUENTE
LAFUENTES
LAGAR
LAGARDA
LAGARES
LAGEYRE
LAGO
LAGOA
LAGOMASINO
LAGRANA
LAGUER
LAGUERUELA
LAGUILLO
LARRONDE
LARRONDO
LARROSA
LARROY
LARRUA
LARRUBIA
LARTUNDO
LARZABAL
LAPADURA
LAPARRA
LAPAZ
LAPENA
LAPICA
LAPIZ
LAPUERTA
LAPUZ
LARA
LARACUENTA
LARACUENTE
LARALDE
LARAN
LARAS
LARDIZABAL
LAREDO
LARENA
LARENAS
LARES
LAREZ
LARIOS
LARIVA
LARIZ
LARRA
LARRACHE
LARRAGA
LARRAGOITE
LARRAGOITY
LARRAINZAR
LARRALDE
LARRAMENDI
LARRAN
LARRANAGA
LARRANGA
LARRASQUITO
LARRASQUITU
LARRAURI
LARRAYA
LARRAZ
LARRAZABAL
LARRAZOLA
LARRAZOLO
LARREA
LARREGUI
LARRETA
LARREYNAGA
LARRIBA
LARRIBAS
LARRINAGA
LARRINUA
LEJARZAR
LELEVIER
LEMES
LEMUS
LEMUZ
LENERO
LENTE
LEODORO
LEON
LEONES
LEONGUERRERO
LEONIS
LEONOR
LEOS
LEOZ
LEPE
LERA
LERDO
LERENA
LERET
LERMA
LERMO
LERNO
LERO
LESA
LESCANO
LESMES
LESPIER
LESPRON
LETAMENDI
LETONA
LETRIZ
LEURA
LEVALDO
LEVARIO
LEYBA
LEYBAS
LEYJA
LEYRA
LEYRO
LEYUA
LEYVA
LEYVAS
LEZA
LEZAJA
LEZAMA
LEZANA
LEZCANO
LIANO
LIANOZ
LIANZA
LIBOY
LIBRAN
LIBREROS
LICANO
LICEA
LICEAGA
LICERIO
LLOREDA
LLORENS
LLORENTE
LLORET
LLORIN
LLOSA
LLOVERA
LLOVERAS
LLOVET
LLOVIO
LLUBERES
LLUCH
LLUIS
LLURIA
LLUVERAS
LOA
LOAIZA
LOARTE
LOAYZA
LOBAINA
LOBATO
LOBATOS
LOBATOZ
LOBERA
LODEIRO
LODEVICO
LODOS
LODOZA
LOERA
LOEZA
LOGOLUSO
LOGRONO
LOINAZ
LOIRA
LOJA
LOJERO
LOJO
LOMANA
LOMAYESVA
LOMBANA
LOMBARDIA
LOMBERA
LOMBRANA
LOMBRANO
LOMELI
LOMELIN
LOMELLIN
LOMELY
LONA
LONDONO
LONGORIA
LONGORIO
LONGOVIA
LONGUEVAN
LONVELIN
LOPATEGUI
LOPE
LOPENA

LAGUNA
LAGUNAS
LAGUNES
LAHOZ
LAIJA
LAIJAS
LAILES
LAINEZ
LAISECA
LAIZ
LAJARA
LAJES
LALLAVE
LALOMA
LALUEZA
LALUZ
LAMADRID
LAMADRIZ
LAMAS
LAMASA
LAMATA
LAMAZARES
LAMBARDIA
LAMBAREN
LAMBARENA
LAMBARIA
LAMBARRI
LAMBOY
LAMEIRA
LAMELA
LAMELAS
LAMIGUEIRO
LAMORENA
LAMOSA
LAMOSO
LAMOURT
LAMOUTTE
LAMPARELLO
LAMPEDUSA
LAMPON
LANAS
LANCARA
LANCHA
LANDA
LANDAVASO
LANDAVAZO
LANDAVERDE
LANDAZURI
LANDEIRA
LANDERO
LANDEROS
LANDESTOY
LANDETA
LANDEZ
LANDIN
LANDIVAR
LANDOL
LANDRAU
LANDRIAN
LANDRON
LANET
LANFRANCO
LANGARA
LANGARCIA
LANGARICA
LANTIGUA
LARRIVA
LARRONDE
LARRONDO
LARROSA
LARROY
LARRUA
LARRUBIA
LARTUNDO
LARZABAL
LASA
LASAGA
LASALDE
LASANTA
LASAS
LASAVIO
LASCANO
LASCOR
LASCURAIN
LASERNA
LASES
LASHERAS
LASO
LASOS
LASSOS
LASTRA
LASTRE
LASTRES
LATASA
LATIGO
LATONI
LATORRES
LAUGIER
LAUREAN
LAUREANO
LAUREDO
LAUREIRO
LAUREL
LAURELES
LAURIANO
LAURIAS
LAURIDO
LAUSELL
LAUTERIO
LAUZARDO
LAUZURIQUE
LAVANDEIRA
LAVANDERA
LAVANDERO
LAVARS
LAVASTIDA
LAVAYEN
LAVEA
LAVEAGA
LAVEGA
LAVENDERA
LAVERGATA
LAVERNIA
LAVIADA
LAVILLA
LAVIOS
LAVORICO
LAVORIN
LAYANA
LAYNA
LAZA
LAZAGA
LICON
LICONA
LICOR
LICUDINE
LIENDO
LIERA
LIERAS
LIERRA
LIEVANO
LIEVANOS
LIGUES
LIGUEZ
LIMARDO
LIMAS
LIMIA
LIMON
LIMONES
LIMONEZ
LIMONTA
LIMONTORRES
LIMOSNERO
LIMUEL
LINAJE
LINAN
LINARES
LINAREZ
LINEIRO
LINERA
LINERO
LINEROS
LIQUET
LIQUEZ
LIRA
LIRAALVARADO
LIRANZO
LIRES
LIRIANO
LIRIO
LISALDA
LISALDE
LISAMA
LISARDO
LISBOA
LISCANO
LISEA
LISERA
LISERIO
LISOJO
LIZA
LIZALDA
LIZALDE
LIZAMA
LIZAN
LIZANO
LIZAOLA
LIZARAGA
LIZARDE
LIZARDI
LIZARDO
LIZARRAGA
LIZARRAGO
LIZARRALDE
LIZARRARAS
LIZARZABURU
LIZASO
LIZASUAIN
LOPERA
LOPERENA
LOPETEGUI
LOPEZ
LOPEZCASTRO
LOPEZMENDOZA
LOPEZRODRIGUEZ
LOPEZSANCHEZ
LOPEZVEGA
LOPOZ
LOQUET
LORA
LORANCA
LORCA
LOREDO
LORENCES
LORENTE
LORENZANA
LORERA
LORETDEMOLA
LOREZ
LORIDO
LORIEGA
LORIGA
LORIGO
LORONA
LORONO
LORTA
LORZA
LOSA
LOSADA
LOSADO
LOSANA
LOSOYA
LOSTAUNAU
LOUATO
LOUBRIEL
LOURIDO
LOUSTAUNAU
LOVATO
LOVATON
LOVEIRA
LOVERA
LOVERAS
LOVILLE
LOVIO
LOYA
LOYNAZ
LOYO
LOYOLA
LOZA
LOZADA
LOZADO
LOZANA
LOZANO
LOZEZ
LOZOLLA
LOZOYA
LUA
LUACES
LUAN
LUAS
LUBE
LUBERTA
LUBIAN
LUCARIO

LANUEZ
LANUZA
LANZISERO
LANZOT
LAO
LAOS
LAOSA
LAPADURA
LAPARRA
LAPAZ
LAPENA
LAPICA
LAPIZ
LAPUERTA
LAPUZ
LARA
LARACUENTA
LARACUENTE
LARALDE
LARAN
LARAS
LARDIZABAL
LAREDO
LARENA
LARENAS
LARES
LAREZ
LARIOS
LARIVA
LARIZ
LARRA
LARRACHE
LARRAGA
LARRAGOITE
LARRAGOITY
LARRAINZAR
LARRALDE
LARRAMENDI
LARRAN
LARRANAGA
LARRANGA
LARRASQUITO
LARRASQUITU
LARRAURI
LARRAYA
LARRAZ
LARRAZABAL
LARRAZOLA
LARRAZOLO
LARREA
LARREGUI
LARRETA
LARREYNAGA
LARRIBA
LARRIBAS
LARRINAGA
LARRINUA
LARRIVA
LAZALA
LAZALDE
LAZANO
LAZARIN
LAZARINE
LAZARO
LAZARTE
LAZCANO
LAZCOS
LAZES
LAZO
LAZODELAVEGA
LAZOS
LAZRINE
LAZU
LAZURTEGUI
LEAL
LEANOS
LEBARIO
LEBRIJA
LEBRON
LECARO
LECAROS
LECEA
LECHON
LECHUGA
LECTORA
LECUMBERRI
LECUSAY
LEDESMA
LEDEZMA
LEDO
LEDON
LEGARDA
LEGARRA
LEGARRETA
LEGARRETTA
LEGASPE
LEGASPI
LEGORRETA
LEGOZA
LEGRA
LEGUINA
LEIBA
LEIBAS
LEIGON
LEIJA
LEIMON
LEIRA
LEIRO
LEISA
LEISECA
LEITA
LEITES
LEIVA
LEIVAS
LEIZAN
LEJARZA
LIZCANO
LLABRES
LLACA
LLACER
LLADO
LLAGOSTERA
LLAGUNO
LLAMA
LLAMAS
LLAMAZARES
LLAMBES
LLAMEDO
LLAMES
LLAMOSA
LLANA
LLANAS
LLANERA
LLANERAS
LLANES
LLANEZ
LLANIO
LLANO
LLANOS
LLANTADA
LLANTIN
LLANUSA
LLAPUR
LLARENA
LLATA
LLAUGER
LLAURADO
LLAURADOR
LLAUSAS
LLAVE
LLAVERIAS
LLAVET
LLAVONA
LLENIN
LLENZA
LLEO
LLEONART
LLERA
LLERANDI
LLERAS
LLERENA
LLERENAS
LLEVERINO
LLIBRE
LLINAS
LLITERAS
LLIZO
LLOBERA
LLOBET
LLOMPART
LLONA
LLOPIS
LLOPIZ
LLORCA
LUCATERO
LUCATORTA
LUCENA
LUCER
LUCERO
LUCIO
LUCO
LUCOS
LUCRET
LUEBANO
LUENGAS
LUENGO
LUERA
LUERAS
LUEVANO
LUEVANOS
LUEZA
LUGARDO
LUGARO
LUGO
LUGON
LUGONES
LUINA
LUIS
LUITIN
LUJAN
LUJANO
LUJARDO
LUJO
LUJON
LUMBRERA
LUMBRERAS
LUNA
LUNARES
LUPERCIO
LUPEZ
LUPIAN
LUPIANEZ
LUPIBA
LUPIO
LUQUE
LUQUEZ
LUQUIN
LUQUIS
LURAS
LUVIANO
LUYANDA
LUYANDO
LUZA
LUZANIA
LUZANILLA
LUZANO
LUZARDO
LUZARRAGA
LUZBET
LUZUNARIS
LUZURIAGA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

MAC-MUZ

MACARAIG
MACARDICAN
MACARENO
MACARON
MACAVINTA
MACAYA
MACAYAN
MACDONADO
MACEDA
MACEIRA
MACEN
MACENA
MACEO
MACEYRA
MACHICHE
MACHIN
MACHORRO
MACHUCA
MACIA
MACIAL
MACIAS
MACIAZ
MACIEL
MACOTELA
MADA
MADALA
MADARIAGA
MADERA
MADERIS
MADERO
MADIEDO
MADOZ
MADRAZO
MADRIA
MADRID
MADRIGAL
MADRIGALES
MADRIGUAL
MADRIL
MADRILES
MADRILL
MADRIZ
MADRONA
MADRUENO
MADRUGA
MADUANO
MADUELL
MADUENA
MADUENO
MADURO
MAELIA
MAES
MAESE
MAESO
MAESTAS
MAESTAZ
MARGARITO
MARGUEZ
MARIANES
MARIANS
MARICHAL
MARICHALAR
MARIDUENA
MARIN
MARINAS
MARINELARENA
MARINERO
MARINES
MARINEZ
MARIONA
MARISCAL
MARISTANY
MARISY
MARITNEZ
MARLANO
MARMOL
MARMOLEJO
MARMOLEJOS
MARONES
MARQUEZ
MARQUINA
MARQUIZ
MARRASQUIN
MARRENO
MARRERO
MARRIAGA
MARRIETTA
MARRODAN
MARROGUIN
MARROQUIN
MARRORO
MARROZOS
MARRUFFO
MARRUFO
MARRUGO
MARRUJO
MARSACH
MARSALIA
MARSELLOS
MARTE
MARTELON
MARTENEZ
MARTES
MARTEZ
MARTIARENA
MARTICORENA
MARTINDELCAMPO
MARTINES
MARTINETS
MARTINEX
MARTINEZ
MARTINEZDECASTRO
MENDOZA
MENDOZO
MENDRE
MENDRIN
MENEDEZ
MENENDEZ
MENES
MENESES
MENEZ
MENJARES
MENJIVAR
MENJUGA
MENOCAL
MENOSCAL
MENOUD
MENOYO
MERA
MERANCIO
MERAS
MERAZ
MERCAD
MERCADA
MERCADAL
MERCADE
MERCADER
MERCADO
MERCARDO
MERCED
MERCEDES
MERCHAIN
MERCHAN
MERCODO
MERCOLA
MERCONCHINI
MERELES
MERENDON
MEREZ
MERGIL
MERINO
MERIZALDE
MERJIL
MERLA
MERLOS
MERMEA
MERMEJO
MERMELLA
MERODIO
MERONO
MERU
MERUELO
MESA
MESEGUER
MESIA
MESIAS
MESILLAS
MESINAS
MONSIBAIS
MONSIBAIZ
MONSISVAIS
MONSIVAIS
MONSIVAIZ
MONTAIVO
MONTALBAN
MONTALBO
MONTALUO
MONTALVAN
MONTALVO
MONTAN
MONTANE
MONTANER
MONTANES
MONTANEZ
MONTANIO
MONTANO
MONTANTES
MONTAYA
MONTAZ
MONTEAGUDO
MONTEALEGRE
MONTEAVARO
MONTECELO
MONTECINO
MONTEDEOCA
MONTEFALCON
MONTEJANO
MONTEJO
MONTELLANO
MONTELONGO
MONTEMAJOR
MONTEMAYOR
MONTENEGRO
MONTEON
MONTERA
MONTERDE
MONTEREY
MONTERO
MONTEROLA
MONTEROS
MONTERREY
MONTERROSA
MONTERROSO
MONTERROZA
MONTERRUBIO
MONTES
MONTESDEOCA
MONTESINO
MONTESINOS
MONTEVERDE
MONTEZ
MONTEZUMA
MONTIEL
MONTIJO

MAESTES
MAESTOS
MAESTRE
MAESTREY
MAESTU
MAEVA
MAEZ
MAGALDE
MAGALLAN
MAGALLANES
MAGALLANEZ
MAGALLON
MAGALONA
MAGANA
MAGANTE
MAGARINO
MAGAZ
MAGDAEL
MAGDALANO
MAGDALENA
MAGDALENO
MAGDIRILA
MAGENO
MAGLICA
MAGLUTA
MAGPAYO
MAGPURI
MAGRINA
MAGSOMBOL
MAGUREGUI
MAIMES
MAIMO
MAINEGRA
MAINERO
MAINEZ
MAIQUEZ
MAIRENA
MAISONAVE
MAISONET
MAISTERRA
MAITIA
MAITO
MAIZ
MAJALCA
MAJANO
MAJARUCON
MAJENO
MAJIA
MAJUL
MAJUTA
MALABANAN
MALABE
MALABEHAR
MALACARA
MALAGON
MALANA
MALANCHE
MALANDRIS
MALARIN
MALAUE
MALAVE
MALAVES
MALAVET
MALAVEZ
MALBAEZ
MALBAS
MARTINEZGARCIA
MARTINEZGONZALEZ
MARTINEZORTIZ
MARTINEZRODRIGUEZ
MARTINIZ
MARTIR
MARTIRENA
MARTIZ
MARTLARO
MARTNEZ
MARTORELL
MARTOS
MARUFFO
MARUFO
MARULANDA
MARUNO
MARURI
MARVEZ
MARXUACH
MARZAN
MARZOA
MARZOL
MARZOVILLA
MAS
MASCARDO
MASCARENA
MASCARENAS
MASCARENAZ
MASCARENO
MASCARINAS
MASCARRO
MASCORRO
MASDEO
MASDEU
MASEDA
MASERO
MASFERRER
MASIAS
MASIEL
MASJUAN
MASPERO
MASPONS
MASQUIDA
MASSANA
MASSANET
MASSAS
MASSIATTE
MASTACHE
MASTRAPA
MASVIDAL
MATA
MATAIYA
MATALLANA
MATALOBOS
MATAMOROS
MATANZO
MATEAS
MATEO
MATEOS
MATEU
MATIAS
MATIENZO
MATILLA
MATOS
MATOSO
MATOZA
MESONERO
MESORANA
MESQUIAS
MESQUIT
MESQUITA
MESQUITE
MESQUITI
MESSARRA
MESSEGUER
MESTA
MESTAS
MESTAZ
MESTRE
MESTRES
MESTRIL
MEXIA
MEXICANO
MEZA
MEZQUITA
MICAN
MICHACA
MICHELENA
MICHELTORENA
MIEDES
MIELES
MIELGO
MIERA
MIERES
MIEREZ
MIESES
MIGNARDOT
MIGOYA
MIGUEL
MIGUELES
MIGUELEZ
MIGUELIZ
MIGURA
MIJANGOS
MIJARES
MIJAREZ
MIJENES
MILA
MILANES
MILANEZ
MILARA
MILERA
MILIAN
MILINA
MILLAN
MILLAND
MILLANES
MILLANEZ
MILLANPONCE
MILLARES
MILLAYES
MIMIAGA
MINABE
MINAGA
MINAGORRI
MINAMIDE
MINATRE
MINAYA
MINCHACA
MINDIETA
MINDIOLA
MINERA
MONTILLA
MONTION
MONTMAYOR
MONTOLLA
MONTONO
MONTOTO
MONTOVA
MONTOY
MONTOYA
MONTOYO
MONTUFAR
MONTUYA
MONZON
MOQUETE
MOQUINO
MORA
MORADO
MORAGA
MORAGO
MORAGUEZ
MORAIDA
MORAILA
MORAL
MORALE
MORALEJO
MORALES
MORALESGONZALEZ
MORALESLOPEZ
MORALESRAMOS
MORALESTORRES
MORALEZ
MORANDA
MORANTES
MORATA
MORATALLA
MORATAYA
MORATO
MORAZA
MORCATE
MORCIEGO
MORCIGLIO
MORCOS
MOREDA
MOREDO
MOREIDA
MOREIRAS
MOREJON
MORELES
MORELION
MORELLON
MORELO
MORELOS
MORENO
MORENTIN
MORERA
MORERO
MORETA
MOREYRA
MORFA
MORFFI
MORFI
MORFIN
MORGA
MORGALO
MORGAS
MORHAR

MALDANADO
MALDENADO
MALDOMADO
MALDONA
MALDONADA
MALDONADO
MALDONALDO
MALDONDO
MALDONODO
MALENDEZ
MALFAVON
MALIAROS
MALIBRAN
MALICAY
MALLANO
MALLEA
MALLOQUE
MALLORCA
MALONADO
MALONCON
MALOVE
MALPICA
MALTES
MALTOS
MALUIA
MALVAEZ
MALVAREZ
MALVIDO
MAMARADLO
MANCEBO
MANCERA
MANCERO
MANCHA
MANCHACA
MANCHAN
MANCHEGO
MANCIAS
MANCILLA
MANCILLAS
MANCINAS
MANCITO
MANDADO
MANDONADO
MANDUGARO
MANDUJAN
MANDUJANO
MANGOME
MANGUAL
MANGUIA
MANICOM
MANIQUIS
MANITO
MANJARES
MANJAREZ
MANJARRES
MANJARREZ
MANOSA
MANQUERO
MANQUEROS
MANRESA
MANRIGUEZ
MANRIQUE
MANRIQUES
MANRIQUEZ
MANRRIQUE
MANRRIQUEZ
MATTILLO
MATURANA
MATURINO
MATUTE
MAULEON
MAUNA
MAUPOME
MAURAS
MAUREL
MAURICIO
MAURIES
MAURIZ
MAUROSA
MAUROZA
MAYA
MAYAGOITIA
MAYANS
MAYAS
MAYATE
MAYDON
MAYEN
MAYMI
MAYNEZ
MAYOL
MAYORA
MAYORAL
MAYORCA
MAYORDOMO
MAYORGA
MAYORQUIN
MAYSONET
MAYTIN
MAYTORENA
MAZA
MAZARA
MAZARIEGO
MAZARIEGOS
MAZON
MAZORRA
MAZPULE
MAZQUIARAN
MAZUCA
MAZUELOS
MEASTAS
MEAVE
MECADO
MECARTEA
MECENAS
MECHOSO
MEDEL
MEDELES
MEDELEZ
MEDELLIN
MEDERO
MEDEROS
MEDIANO
MEDIAVILLA
MEDINA
MEDINAS
MEDINILLA
MEDIO
MEDIZ
MEDOLA
MEDRAN
MEDRANO
MEGARIZ
MINERO
MINGUELA
MINGURA
MINIAREZ
MINICA
MINITREZ
MINJARES
MINJAREZ
MINOBE
MINONDO
MINOSO
MINSAL
MIQUEO
MIR
MIRABAL
MIRABEL
MIRABENT
MIRADA
MIRAFLORES
MIRALES
MIRALLA
MIRALLES
MIRAMON
MIRAMONTES
MIRAMONTEZ
MIRANA
MIRANDA
MIRANO
MIRASOL
MIRAVAL
MIRAYA
MIRAZ
MIRAZO
MIRDITA
MIRELES
MIRELEZ
MIRET
MIRILES
MIRO
MIROLLA
MISAS
MISLA
MISQUEZ
MIYAR
MIYARES
MOCEGA
MOCETE
MOCHO
MOCTEZUMA
MODERO
MODIA
MODRONO
MOGAS
MOGOLLON
MOGRO
MOGUEL
MOHEDANO
MOIZA
MOJADO
MOJARRO
MOJEDA
MOJENA
MOJICA
MOLANO
MOLDES
MOLDONADO
MORIEL
MORILLA
MORILLAS
MORILLO
MORILLON
MORILLOS
MORIONES
MORIYON
MORLA
MORLES
MORLET
MORLOTE
MOROCHO
MORODO
MOROLES
MOROLEZ
MORON
MORONES
MORONEZ
MOROYOQUI
MORQUECHO
MORQUEZ
MORRAS
MORRAZ
MORRERO
MORRINA
MORTEO
MORTERA
MORUA
MORVA
MOSCOSO
MOSINO
MOSQUEA
MOSQUEDA
MOSQUEDO
MOSQUERA
MOTA
MOTAL
MOTILLA
MOURE
MOUREN
MOURINO
MOURIZ
MOYA
MOYADO
MOYANO
MOYEDA
MOYENO
MOYET
MOYRON
MOZAS
MOZQUEDA
MUCALA
MUCINO
MUDAFORT
MUELA
MUELAS
MUENTES
MUGA
MUGARTEGUI
MUGERZA
MUGICA
MUGUERCIA
MUGUERZA
MUGUIRO
MUIL

MANSANALES
MANSANALEZ
MANSANARES
MANSANAREZ
MANSILLA
MANSILLAS
MANSITO
MANSO
MANTECA
MANTECON
MANTEROLA
MANTILLA
MANTINEZ
MANUZ
MANZANA
MANZANAL
MANZANARES
MANZANAREZ
MANZANEDO
MANZANERA
MANZANERES
MANZANERO
MANZANET
MANZANILLA
MANZANO
MANZUR
MAPALO
MAPULA
MAQUEDA
MAQUEIRA
MAQUINALEZ
MAQUIVAR
MARABOTTO
MARADIAGA
MARALES
MARANAN
MARANON
MARANTE
MARANTOS
MARASCOLA
MARATAS
MARAVEZ
MARAVILLA
MARAVILLAS
MARAVILLO
MARBAN
MARCADIS
MARCANO
MARCELENO
MARCELIN
MARCHA
MARCHAN
MARCHANTE
MARCHANY
MARCHECO
MARCHENA
MARCHIONDO
MARCIAL
MARCILLA
MARCILLO
MARCOR
MARCOS
MARDOMINGO
MARDUENO
MAREINA
MARENCO
MEGUI
MEIJA
MEIRELES
MEIZOSO
MEJA
MEJIA
MEJIAS
MEJICO
MEJIDO
MEJILLA
MEJILLAS
MEJORADA
MEJORADO
MELANDEZ
MELANO
MELCHOR
MELCON
MELECIO
MELENA
MELENCIANO
MELENDE
MELENDES
MELENDEZ
MELENDRES
MELENDREZ
MELENEDEZ
MELENEZ
MELENUDO
MELERO
MELGAR
MELGAREJO
MELGARES
MELGOSA
MELGOZA
MELIAN
MELIAS
MELINDEZ
MELIOTA
MELLADO
MELOCOTON
MEMBRENO
MEMBRILA
MENA
MENACHE
MENACHO
MENCHACA
MENCHAEA
MENCHAVEZ
MENCHEGO
MENCIA
MENCIO
MENCOS
MENDANA
MENDAROS
MENDEOLA
MENDEZ
MENDIA
MENDIAS
MENDIAZ
MENDIBLES
MENDIBURO
MENDIBURU
MENDIETA
MENDIETTA
MENDIGUTIA
MENDINE
MOLEDO
MOLENA
MOLENDEZ
MOLERA
MOLERES
MOLERIO
MOLGADO
MOLINA
MOLINAR
MOLINARES
MOLINARY
MOLINAS
MOLINER
MOLINEROS
MOLINET
MOLLEDA
MOLLES
MOLLINDO
MOLLINEDO
MONAGAS
MONARCO
MONARES
MONAREZ
MONARQUE
MONARRES
MONARREZ
MONCADA
MONCADO
MONCAYO
MONCEVAIS
MONCEVAIZ
MONCEVIAS
MONCIBAIS
MONCIBAIZ
MONCIVAIS
MONCIVAIZ
MONCIVALLES
MONCLOVA
MONDACA
MONDEJAR
MONDELO
MONDONA
MONDOZA
MONDRAGON
MONEDA
MONEDERO
MONEGRO
MONEO
MONGE
MONGES
MONGUIA
MONITA
MONJARAS
MONJARAZ
MONJARDIN
MONJE
MONJES
MONLEON
MONLLOR
MONNAR
MONOZ
MONRAZ
MONREAL
MONRIAL
MONROIG
MONROY
MUINA
MUINAS
MUINO
MUINOS
MUIRRAGUI
MUIS
MUJICA
MULERO
MULET
MULGADO
MUNA
MUNANA
MUNARRIZ
MUNDO
MUNECAS
MUNERA
MUNERO
MUNET
MUNETON
MUNEZ
MUNGARAY
MUNGARRO
MUNGIA
MUNGUIA
MUNILLA
MUNIVE
MUNIVEZ
MUNIZ
MUNNE
MUNOA
MUNOS
MUNOZ
MUNOZCANO
MUNQUIA
MUNTANER
MURADAS
MURADAZ
MURADO
MURAIDA
MURAIRA
MURALLES
MURANE
MURATALLA
MURAVEZ
MURCIA
MURCIANO
MURCIO
MURGA
MURGADO
MURGUIA
MURIAS
MURIEDAS
MURIEL
MURIENTE
MURIETTA
MURILLO
MURO
MUROLAS
MUROS
MUROYA
MURRIETA
MURRIETTA
MURRILLO
MURSULI
MURUA
MURUAGA

MARENTES
MARENTEZ
MAREQUE
MARERO
MARES
MARESMA
MAREZ
MARFIL
MARFILENO
MARGAILLAN
MENDIOLA
MENDIOLEA
MENDIONDO
MENDITA
MENDIVEL
MENDIVIL
MENDIZ
MENDIZABAL
MENDOSA
MENDOZ
MONRREAL
MONRRIAL
MONSALVE
MONSALVO
MONSEBAIS
MONSEGUR
MONSERRAT
MONSERRATE
MONSEVAIS
MONSEVALLES
MURUATO
MUSQUEZ
MUSQUIZ
MUSTELIER
MUTIO
MUXART
MUXO
MUZAURIETA
MUZQUIZ

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

NAB-OZU

NABA
NABARRETE
NABARRETTE
NABAYAN
NABETA
NACER
NACHON
NACIANCENO
NADAL
NAFARRATE
NAFARRETE
NAGORE
NAJAR
NAJARA
NAJARES
NAJARRO
NAJERA
NALDA
NANDIN
NANDINO
NANEZ
NAPOLES
NARANJO
NARAVEZ
NARBAIZ
NARCHO
NARCIA
NAREDO
NARES
NAREZ
NAREZO
NARINO
NARIO
NARONJO
NARRANJO
NARRO
NARVAES
NARVAEZ
NARVAIS
NARVAIZ
NARVAREZ
NARVARTE
NATAL
NATERA
NATERAS
NATIVIDAD
NAVA
NAVAIRA
NAVAJAR
NAVAL
NAVALES
NAVALLO
NAVANJO
NAVAR
NAVARETE
NAVARETTE
NAVAREZ
NAVARIA
NIZ
NOA
NOBARA
NOBIDA
NOBOA
NOBREGAS
NOCAS
NOCEDA
NOCEDAL
NOCHE
NOCHERA
NODAL
NODAR
NODARSE
NOGALES
NOGARE
NOGUE
NOGUEDA
NOGUEIRAS
NOGUELLES
NOGUER
NOGUERA
NOGUERAS
NOGUES
NOGUEZ
NOLASCO
NOLINE
NOLLA
NOMBRANA
NOMBRANO
NOPERI
NORALES
NORALEZ
NORAT
NORDA
NORDELLA
NORDELO
NOREIGA
NORENA
NORERO
NORIA
NORIEGA
NORIEGO
NORIZ
NORMANDIA
NORONA
NORTE
NORZAGARAY
NOVALES
NOVAS
NOVELA
NOVELO
NOVEMBRE
NOVIAN
NOVILLO
NOVO
NOVOA
NOYA
OLAIZ
OLALDE
OLALLA
OLAQUE
OLAQUEZ
OLARTE
OLASCOAGA
OLASCUAGA
OLAVARRI
OLAVARRIA
OLAVARRIETA
OLAVE
OLAYA
OLAYO
OLAZABA
OLAZABAL
OLAZAGASTI
OLAZARAN
OLBA
OLBERA
OLBES
OLDRATE
OLEA
OLEAS
OLETA
OLGIN
OLGUIN
OLIBARES
OLIBAREZ
OLIBARRIA
OLIDE
OLIU
OLIVA
OLIVAN
OLIVAR
OLIVARE
OLIVARES
OLIVAREZ
OLIVAROS
OLIVARRI
OLIVARRIA
OLIVAS
OLIVENCIA
OLIVERA
OLIVERAS
OLIVERAZ
OLIVERES
OLIVEREZ
OLIVERO
OLIVEROS
OLIVES
OLIVIAS
OLIVIS
OLIVO
OLIVOS
OLLACA
OLLERBIDEZ
OLLERVIDES
ORGANISTA
ORGE
ORIA
ORIBA
ORIBE
ORIGEL
ORIGINALES
ORIHUELA
ORIJEL
ORIQUE
ORISIO
ORITIZ
ORITZ
ORIVE
ORIZAGA
ORJALES
ORJUELA
ORNELAS
ORNELAZ
ORNELES
OROBIO
OROL
ORONA
ORONOZ
OROPESA
OROPEZA
OROSA
OROSCO
OROZ
OROZCO
OROZEO
ORPILLA
ORPINEL
ORQUIZ
ORRACA
ORRADRE
ORRANTE
ORRANTIA
ORREGO
ORRIOLA
ORRIOLS
ORSABA
ORSUA
ORTA
ORTAL
ORTAS
ORTEG
ORTEGA
ORTEGAS
ORTEGON
ORTES
ORTEZ
ORTIGAS
ORTIGOSA
ORTIGOZA
ORTIVEZ
ORTIVIZ
ORTIZ

NAVARIJO
NAVARR
NAVARRETE
NAVARRETTE
NAVARRO
NAVAS
NAVEDA
NAVEDO
NAVEIRA
NAVEIRAS
NAVEJA
NAVEJAR
NAVEJAS
NAVERAN
NAVIA
NAVIDAD
NAVO
NAVODA
NAYA
NAYARES
NAZABAL
NAZARIO
NAZCO
NAZUR
NEBLINA
NEBREDA
NEBRIDA
NECO
NECOCHEA
NECOECHEA
NECUZE
NEGRE
NEGREIRA
NEGRET
NEGRETE
NEGRETTE
NEGRIN
NEGRON
NEGRONCOLON
NEGRONI
NEGUERUELA
NEIRA
NEITO
NEIVES
NEJAR
NERADA
NEREY
NERIA
NERIO
NERIOS
NERIS
NERVAIS
NEVARES
NEVAREZ
NEVARREZ
NEYRA
NIALS
NIAVE
NIAVES
NIAVEZ
NICACIO
NICASIO
NICOT
NIDEZ
NIDO
NIEBLA
NOYAS
NOYOLA
NUANES
NUANEZ
NUCHE
NUEVO
NUEZ
NUIN
NUMEZ
NUNCIO
NUNEZ
NUNGARAY
NUNO
NUNTEZ

OAXACA
OBALLE
OBALLES
OBANDO
OBARRIO
OBAS
OBAYA
OBERA
OBESO
OBEZO
OBIEDO
OBISPO
OBLEA
OBLEDO
OBLIGACION
OBRADOR
OBREGON
OCA
OCACIO
OCADIZ
OCAMPO
OCAMPOS
OCANA
OCANAS
OCANO
OCANTO
OCARANZA
OCARIZ
OCARIZA
OCASIO
OCEGUEDA
OCEGUERA
OCEJO
OCEQUEDA
OCHEA
OCHINERO
OCHIPA
OCHOA
OCHOS
OCHOTERENA
OCHOTORENA
OCON
ODAMA
ODIO
ODRIOZOLA
OFARRILL
OFERRAL
OGALDEZ
OGANDO
OGARRIO
OGARRO
OLLERVIDEZ
OLLIVARES
OLLOQUE
OLLOQUI
OLME
OLMEDA
OLMEDO
OLMO
OLMOS
OLMOZ
OLONA
OLONIA
OLONO
OLORTEGUI
OLQUIN
OLTIVERO
OLVEDA
OLVEDO
OLVEIRA
OLVERA
OLVEZ
OMAECHEVARRIA
OMANA
OMS
ONATE
ONDARO
ONDARZA
ONDOY
ONDREAS
ONDRIAS
ONGANIA
ONGAY
ONOFRE
ONOZ
ONSUREZ
ONTANEDA
ONTIBEROZ
ONTIVERAS
ONTIVERO
ONTIVEROS
ONTIVEROZ
OPIO
OPORTO
OQUENDO
OQUITA
ORABUENA
ORACION
ORAMA
ORAMAS
ORANA
ORANDAY
ORANTE
ORANTES
ORANTEZ
ORATE
ORBAY
ORBEA
ORBEGOZO
ORCA
ORCASITAS
ORDAZ
ORDENANA
ORDENER
ORDENES
ORDENEZ
ORDIALES
ORTIZYPINO
ORTOLAZA
ORTUNIO
ORTUNO
ORTUZAR
ORUE
ORUNA
ORVANANOS
ORZA
ORZABAL
ORZO
OSA
OSANO
OSCOS
OSCOY
OSEDA
OSEGUEDA
OSEGUERA
OSEJO
OSELIO
OSEQUERA
OSES
OSETE
OSIO
OSLE
OSNAYA
OSO
OSOLLO
OSONA
OSORIA
OSORIO
OSORNIA
OSORNIO
OSORNO
OSPINA
OSPINO
OSPITAL
OSSA
OSSORGIN
OSSORIO
OSTEGUIN
OSTIGUIN
OSTIQUIN
OSTOLAZA
OSTOS
OSUNA
OTANEZ
OTANO
OTAZO
OTEGUI
OTEIZA
OTEO
OTERA
OTERO
OTHON
OTI
OTONDO
OVADIA
OVALLE
OVALLES
OVALLEZ
OVANDO
OVARES
OVIEDA
OVIEDO
OXIOS

NIEBLAS
NIEGO
NIELES
NIETO
NIEVA
NIEVE
NIEVES
NIEVEZ
NIEZ
NIGAGLIONI
NIGOS
NILA
NIN
NINA
NINO
NIRA
NISPEROS
NISTAL
NIVAL
NIVAR
NIVES
OGAS
OGAZ
OGUENDO
OGUETE
OHIGGINS
OJEDA
OJINAGA
OJITO
OLABARRIA
OLABARRIETA
OLACHEA
OLAECHEA
OLAETA
OLAEZ
OLAGE
OLAGUE
OLAGUES
OLAGUEZ
OLAGUIBEL
OLAIS
ORDINARIO
ORDONES
ORDONEZ
ORDONO
ORDOQUI
ORDORICA
ORDOVER
ORDUNA
ORDUNEZ
ORDUNO
OREGEL
OREJEL
ORELLANA
ORELLANO
ORENDAIN
ORENGO
ORENSE
ORETEGA
ORETGA
ORFILA
OYACA
OYAGUE
OYANGUREN
OYARBIDE
OYARZABAL
OYARZUN
OYAS
OYERBIDES
OYERVIDES
OYERVIDEZ
OYOLA
OYOQUE
OYUELA
OZAETA
OZETA
OZORES
OZORIA
OZORNIA
OZUNA
OZUNIGA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

PAB-PUY

PABEY
PABLICO
PABLO
PABLOS
PABON
PABROS
PACHARZINA
PACHEC
PACHECANO
PACHECO
PACHELO
PACHEO
PACHERO
PACHICANO
PACHO
PACHON
PACHUCA
PACIAS
PACIFICAR
PACILLAS
PACIN
PACINA
PACO
PADDILLA
PADER
PADIA
PADIAL
PADIAS
PADIERNA
PADILL
PADILLA
PADILLIA
PADILLO
PADIN
PADOR
PADRES
PADRINO
PADRO
PADRON
PADUA
PAEZ
PAGAN
PAGANRIVERA
PAGES
PAGOLA
PAGON
PAGUAGA
PAGUIO
PAHISSA
PAIACIOS
PAIRADA
PAIRIS
PAIZ
PAJARITO
PAJARO
PAJUELO
PALACIES
PALACIO
PAREIRA
PAREJA
PARELLADA
PARERA
PARES
PARETS
PAREYA
PAREZ
PARGA
PARGAS
PARIZ
PAROCUA
PARQUE
PARRA
PARRADO
PARRAGA
PARRAL
PARRALES
PARRAS
PARRAZ
PARRENO
PARRIERA
PARRILLA
PARRONDO
PARTAGAS
PARTIDA
PARTIDO
PASADA
PASAMONTE
PASANTES
PASARELL
PASARET
PASARIN
PASCACIO
PASCUAL
PASCUALI
PASENA
PASILLAS
PASOLS
PASOS
PASSAPERA
PASTORA
PASTORIZA
PASTRAN
PASTRANA
PASTRANO
PATINA
PATINO
PATLAN
PATRANELLA
PATRON
PAUDA
PAULA
PAULLADA
PAVEDES
PAVILA
PAVON
PAYAN
PERELES
PERERA
PERES
PEREYDA
PEREYO
PEREYRA
PEREZ
PEREZA
PEREZCANO
PEREZCHICA
PEREZCOLON
PEREZDEALEJO
PEREZDELRIO
PEREZDIAZ
PEREZGONZALEZ
PEREZJIMENEZ
PEREZLOPEZ
PEREZMENDEZ
PEREZMONTES
PEREZRAMOS
PERFECTO
PERFINO
PERICAS
PERLAS
PERMUY
PERNAS
PEROLDO
PEROZO
PERRES
PERRIRAZ
PERTIERRA
PERU
PERUMEAN
PERUSINA
PERUSQUIA
PERUYERA
PERUYERO
PERVEZ
PERYATEL
PESANTE
PESANTES
PESANTEZ
PESCADO
PESCADOR
PESINA
PESQUEDA
PESQUEIRA
PESQUERA
PESQUIERA
PEYDRO
PEYNADO
PEYRO
PEZA
PEZEZ
PEZINA
PIARD
PICALLO
PICAR
POBAR
POBLANO
POBLETE
POBRE
PODILLA
POEY
POGAN
POLA
POLACO
POLANCO
POLENDO
POLIDURA
POLINA
POLITRON
POLLERANA
POLLORENO
POLVADO
POMALE
POMALES
POMARES
POMAREZ
POMBROL
POMELEO
POMPA
PONCABARE
PONCE
PONCEDELEON
PONCHO
PONCIANO
PONCIO
PONSDOMENECH
PONZOA
PORATA
PORCAYO
PORCHAS
PORCHO
PORDIA
PORFIL
PORLAS
PORRAS
PORRATA
PORRAZ
PORRERO
PORRES
PORROS
PORTAL
PORTALATIN
PORTALES
PORTALEZ
PORTELA
PORTELLES
PORTES
PORTIELES
PORTILLA
PORTILLO
PORTILLOS
PORTOCARRERO
PORTOLAN

PALACIOS
PALADINES
PALAFOS
PALAFOX
PALAGANAS
PALAMO
PALASOTA
PALATO
PALAU
PALAZON
PALAZUELOS
PALENCIA
PALENZUELA
PALEO
PALGON
PALICIO
PALITOS
PALIZO
PALLAIS
PALLAN
PALLANES
PALLANEZ
PALLARES
PALLAREZ
PALLEJA
PALLENS
PALLOT
PALMARES
PALMAREZ
PALMARIN
PALMAS
PALMEIRO
PALMERIN
PALMEROS
PALOMA
PALOMAR
PALOMARES
PALOMAREZ
PALOMEQUE
PALOMERA
PALOMIN
PALOMINO
PALOMINOS
PALOMO
PALOP
PALOS
PALOU
PAMANES
PAMARAN
PAMBLANCO
PAMIAS
PAMINTUAN
PAMPIN
PAMPLONA
PANALES
PANALEZ
PANAMA
PANAMENO
PANARISO
PANCEGRAN
PANCHANA
PANCHO
PANCORBO
PANDAL
PANDAS
PANDES
PAYANO
PAYARES
PAYAS
PAYEN
PAYERO
PAZ
PAZMINO
PAZOS
PECARO
PECELUNAS
PECERO
PECHERO
PECINA
PECOS
PEDEVILLA
PEDRAJA
PEDRAS
PEDRAYES
PEDRAZ
PEDRAZA
PEDRE
PEDREGAL
PEDREGO
PEDREGON
PEDREGUERA
PEDREIRA
PEDREIRO
PEDRERA
PEDRERO
PEDRIANES
PEDRINO
PEDROCHE
PEDROGO
PEDROLA
PEDROSA
PEDROSO
PEDROZA
PEGO
PEGODA
PEGUERO
PEGUEROS
PEINADO
PEIRO
PELACHE
PELAEZ
PELAIZ
PELALLO
PELATA
PELAYO
PELEGRINA
PELLECER
PELLERANO
PELLICIER
PELLOT
PELUFFO
PENA
PENABAD
PENADO
PENAFIEL
PENAFLOR
PENAFLORIDA
PENAGARZA
PENAHERRERA
PENALBA
PENALES
PENALO
PICART
PICASCIA
PICASO
PICAZO
PICENO
PICHARDO
PICO
PICON
PICOS
PIEDAD
PIEDRA
PIEDRAHITA
PIEDRAS
PIELAGO
PIERAS
PIJUAN
PILA
PILAR
PILARTE
PILLADO
PILOTO
PIMIENTA
PIMIENTO
PIMINTEL
PINA
PINADEARCOS
PINAL
PINALES
PINALEZ
PINARES
PINCAY
PINEDA
PINEDO
PINEIRA
PINEIRO
PINELA
PINELO
PINERA
PINERO
PINEROS
PINEY
PINEYRO
PINGARRON
PINIELLA
PINILLA
PINILLO
PINILLOS
PINO
PINOL
PINON
PINONES
PINTADO
PINTOR
PINTOS
PINUELA
PINUELAS
PINZON
PIOQUINTO
PIQUERO
PIREZ
PIRINEA
PIRIS
PIRIZ
PIS
PISANA
PISENO
PORTORREAL
PORTUGAL
PORTUGUES
PORTUGUEZ
PORTUONDO
POSADA
POSADAS
POSAS
POSO
POSOS
POSTIGO
POSTIL
POTESTAD
POUGES
POUSA
POVEDA
POVENTUD
POVIONES
POYORENA
POZA
POZAS
POZERO
POZO
POZOS
POZUELOS
PRADAS
PRADERE
PRADIA
PRADO
PRAT
PRATS
PRATTS
PRECIADO
PRELLEZO
PRENDES
PRENDEZ
PRENDIZ
PRESA
PRESAS
PRESIADO
PRESNO
PRESTAMO
PREZAS
PRIDA
PRIEDE
PRIEGO
PRIEGUEZ
PRIETO
PRIMELLES
PRIMERA
PRIMERO
PRIO
PROA
PROANO
PROCEL
PROCELA
PROCSAL
PROENZA
PROHIAS
PROO
PROVENCIO
PROVEYER
PRUDENCIO
PRUNA
PRUNEDA
PRUNES

PANDO
PANDURO
PANELO
PANENO
PANEQUE
PANERO
PANETO
PANIAGUA
PANIAQUA
PANIZ
PANOPIO
PANTA
PANTAJA
PANTALEON
PANTIGA
PANTIN
PANTLEO
PANTOJA
PANTOJAS
PANTOYA
PANTUSA
PANUCO
PANZARDI
PANZIERA
PARACHE
PARADA
PARADEDA
PARADELA
PARADELO
PARADES
PARADEZ
PARAMO
PARAPAR
PARAYNO
PARAYUELOS
PARAZO
PARCES
PARDAVE
PARDILLO
PARDINAS
PARDO
PARDOS
PARDUCHO
PAREDES
PAREDEZ
PENALOSA
PENALOZA
PENALVER
PENALVERT
PENANO
PENARANDA
PENATE
PENDAS
PENEZ
PENICHE
PENICHET
PENILLA
PENON
PENSADO
PENUELA
PENUELAS
PENUELAZ
PENUNURI
PEON
PEPERAS
PEPITO
PEQUENO
PEQUERO
PERAL
PERALES
PERALEZ
PERALTA
PERALTO
PERATIS
PERAZA
PERCHES
PERCHEZ
PERDICES
PERDIDO
PERDIGON
PERDOMO
PEREA
PEREDA
PEREDIA
PEREDO
PEREGRINA
PEREGRINO
PEREIDA
PEREIRO
PISONERO
PITA
PITALUGA
PITARCH
PITONES
PITRONES
PIZANA
PIZANO
PIZARO
PIZARRA
PIZARRO
PIZULA
PLA
PLACENCIA
PLACENCIO
PLACENSIA
PLACENTIA
PLACERES
PLAJA
PLANA
PLANAS
PLANCARTE
PLANCENCIA
PLANELL
PLANELLAS
PLANES
PLANOS
PLANTILLAS
PLANTO
PLASCENCIA
PLASENCIA
PLASENCIO
PLATA
PLATAMONE
PLATAS
PLATERO
PLAZA
PLAZAS
PLAZOLA
PLIEGO
PLUMA
PLUMAS
PLUMEDA
PLUMEY
PUBILL
PUBILLONES
PUCHADES
PUEBLA
PUELLA
PUELLO
PUENTE
PUENTES
PUENTEZ
PUERTA
PUERTAS
PUERTO
PUERTOS
PUEYO
PUGA
PUGEDA
PUIG
PUJADAS
PUJAL
PUJALS
PUJOL
PUJOLS
PULGAR
PULGARIN
PULIDA
PULIDO
PULOMENA
PUMAR
PUMARADA
PUMAREJO
PUMARES
PUMARIEGA
PUMAROL
PUNALES
PUNNARA
PUNO
PUNTA
PUNTIEL
PUPO
PURA
PURCELLA
PURISIMA
PUYADA
PUYOL

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

QUA-RUZ

QUADRENY
QUALIA
QUASADA
QUECLAS
QUEIPO
QUEIRO
QUEIRUGA
QUELLAR
QUEMADA
QUERALT
QUERDO
QUERIDO
QUERO
QUERT
QUESADA
QUESADO
QUETEL
QUETGLAS
QUEVEDO
QUEZADA
QUIALA
QUIAN
QUIBUYEN
QUICENO
QUICHOCHO
QUIDERA
QUIHUIS
QUIHUIZ
QUIJADA
QUIJALVO
QUIJANO
QUIJAS
QUILALA
QUILANTAN
QUILENDERINO
QUILES
QUILEZ
QUILIMACO
QUIMBAR
QUIMIRO
QUINAL
QUINCOCES
QUINDE
QUINDNEZ
QUINENES
QUINES
QUINI
QUINIONES
QUINOA
QUINONE
QUINONES
QUINONEZ
QUINONOS
QUINORES
QUINTAMA
QUINTANA
QUINTANAL
QUINTANAR
RAYAS
RAYGOSA
RAYGOZA
RAYMOS
RAYMUNDO
RAYNA
RAYONEZ
RAYOR
RAYOS
RAZATOS
RAZO
REALES
REALIVASQUEZ
REALME
REALYVASQUEZ
REANO
REATEGUI
REAZA
REAZOLA
REBELES
REBELEZ
REBELLON
REBETERANO
REBOLLAR
REBOLLEDO
REBOLLO
REBOLLOSO
REBOREDO
REBOSO
REBOYRAS
REBOZO
REBUSTILLO
RECALDE
RECAREY
RECARTE
RECENDES
RECENDEZ
RECHANI
RECHANY
RECHY
RECILLAS
RECINOS
RECIO
RECLUSADO
RECOVO
RECUSET
REDE
REDERO
REDONA
REDONDO
REDRUELLO
REFUERZO
REGALADO
REGALDO
REGALES
REGALO
REGALOS
REGATO
RIANDA
RIAVE
RIAZA
RIBADENEIRA
RIBAL
RIBALTA
RIBAS
RIBERA
RIBERAL
RIBERAS
RIBOT
RIBOTA
RICABAL
RICALDE
RICANO
RICARDEZ
RICARDO
RICART
RICARTE
RICHARTE
RICHIEZ
RICHINA
RICO
RICONDO
RIDRIGUEZ
RIEDO
RIEGA
RIEGO
RIEGOS
RIERA
RIERAS
RIESCO
RIESGO
RIESTRA
RIGAL
RIGALES
RIGAU
RIGUAL
RIGUERA
RIGUERO
RIJO
RIJOS
RIMBLAS
RINAURO
RINCHE
RINCON
RINCONENO
RINCONES
RINGLERO
RIOBO
RIOCABO
RIOFRIO
RIOJA
RIOJAS
RIOJAZ
RIOJOS
RIOLLANO
RIONDA
RODROGUEZ
RODRUGUEZ
RODRUQUEZ
RODUGUEZ
RODULFO
RODZ
ROEL
ROGANS
ROGERIO
ROGES
ROGRIGUEZ
ROGUE
ROHENA
ROIBAL
ROIDE
ROIG
ROIS
ROIZ
ROJA
ROJANO
ROJAS
ROJEL
ROJERO
ROJES
ROJO
ROJOS
ROLDAN
ROLDON
ROLDOS
ROLON
ROMAGOSA
ROMAGUERA
ROMANDIA
ROMANES
ROMANEZ
ROMANILLOS
ROMAY
ROMAYOR
ROMERA
ROMERO
ROMEROS
ROMEU
ROMEZ
ROMIREZ
ROMIRO
ROMO
ROMOS
ROMPAL
RON
RONCES
RONDA
RONDAN
RONDERO
RONDEZ
RONDON
RONGAVILLA
RONJE
RONQUILLO

QUINTANILLA
QUINTANS
QUINTARO
QUINTAS
QUINTEIRO
QUINTELA
QUINTENILLA
QUINTERA
QUINTERO
QUINTEROS
QUINTINO
QUINTONA
QUINTONES
QUINTONEZ
QUINTOS
QUIONES
QUIRARTE
QUIRCH
QUIRENO
QUIRINDONGO
QUIRINO
QUIRO
QUIROA
QUIROBA
QUIROGA
QUIROL
QUIROLA
QUIROS
QUIROZ
QUITA
QUITANIA
QUITOS
QUITUGUA
QUIZ

RABADE
RABAGO
RABAJA
RABANO
RABASA
RABASSA
RABAZA
RABEIRO
RABELL
RABELO
RABIA
RABIELA
RABINA
RABINO
RABOS
RADAVERO
RADILLA
RADILLO
RADRIGUEZ
RAEL
RAEZ
RAFAEL
RAFALIN
RAFULS
RAICES
RAIGOSA
RAIGOZA
RAIMUNDEZ
RAIMUNDI
RAISOLA
RAJOY

REGINO
REGOJO
REGOS
REGRUTTO
REGUA
REGUEIRA
REGUEIRO
REGUERA
REGUERO
REGULES
REGUSA
REICEN
REICES
REIGOSA
REINA
REINAGA
REINALDO
REINAT
REINERO
REINOSA
REINOSO
REINUS
REJAS
REJINO
REJO
REJON
REL
RELLES
RELLEZ
RELUCIO
REMACHE
REMEDIOS
REMIGIO
REMIJIO
REMOS
RENDEROS
RENDON
RENEDO
RENGE
RENOBATO
RENOVA
RENOVALES
RENOVATO
RENTA
RENTAS
RENTERIA
RENTERIAS
REORDA
REOYO
REPOLLET
REPREZA
REQUEJO
REQUENA
REQUENES
REQUENEZ
REQUENO
REQUIRO
RESCHMAN
RESENDEZ
RESENDIS
RESENDIZ
RESERVA
RESINA
RESMA
RESON
RESPETO

RIOPEDRE
RIOS
RIOSECO
RIOSESPINOZA
RIOSFLORES
RIOSMARTINEZ
RIOSPEREZ
RIOZ
RIPALDA
RIPES
RIPOL
RIPOLL
RIPOLLES
RIQUELME
RIQUERO
RISQUET
RISUENO
RIUS
RIUSECH
RIVADA
RIVADENEIRA
RIVADENEYRA
RIVADULLA
RIVALE
RIVALI
RIVARES
RIVAROLA
RIVAS
RIVAZ
RIVEIRA
RIVEIRO
RIVERA
RIVERACOLON
RIVERACRUZ
RIVERADIAZ
RIVERALUGO
RIVERAPEREZ
RIVERARIVERA
RIVERAS
RIVERIA
RIVERO
RIVEROL
RIVEROLL
RIVERON
RIVEROS
RIVERRA
RIVIERO
RIZO
ROA
ROACHO
ROANO
ROBAINA
ROBALI
ROBALIN
ROBALINO
ROBAU
ROBAYNA
ROBAYO
ROBEDA
ROBELDO
ROBELO
ROBLAS
ROBLEDA
ROBLEDO
ROBLEJO
ROBLERO

ROQUE
ROQUENI
ROQUERO
ROQUETA
ROS
ROSA
ROSABAL
ROSADA
ROSADO
ROSAL
ROSALES
ROSALESDELRIO
ROSALEZ
ROSALY
ROSARIA
ROSARIO
ROSARIODIAZ
ROSARO
ROSAS
ROSELI
ROSELLO
ROSELLON
ROSENDO
ROSENEY
ROSERO
ROSES
ROSETE
ROSILES
ROSILEZ
ROSILLO
ROSITAS
ROSQUETE
ROSTRO
ROTEA
ROTELA
ROTGER
ROUCO
ROURA
ROURE
ROVAYO
ROVERA
ROVIRA
ROVIROSA
ROXAS
ROYBAL
ROYBALL
ROYBOL
ROYERO
ROYO
ROYOS
ROYVAL
ROZADA
ROZALES
ROZO
RUACHO
RUALES
RUALO
RUAN
RUANO
RUAS
RUBALACA
RUBALCABA
RUBALCADA
RUBALCADO
RUBALCAUA
RUBALCAVA

RALDIRIS
RAMALLO
RAMARIZ
RAMAS
RAMBES
RAMBLAS
RAMBONGA
RAMENTOL
RAMEREZ
RAMERIZ
RAMERO
RAMERY
RAMIEREZ
RAMIERZ
RAMIEZ
RAMIL
RAMINEZ
RAMIR
RAMIRE
RAMIRES
RAMIREZ
RAMIRIZ
RAMIRO
RAMIS
RAMON
RAMONEDA
RAMONES
RAMOS
RAMOSGONZALEZ
RAMOSMEDINA
RAMOSRIVERA
RAMOSRODRIGUEZ
RAMOZ
RAMUDO
RAMUZ
RANCANO
RANDEZ
RANERO
RANESES
RANGEL
RANGELL
RANGELLOPEZ
RANJEL
RANSOLA
RAQUENIO
RAQUENO
RAQUEPO
RASALES
RASCOM
RASCON
RASPALDO
RASURA
RATON
RAUDA
RAVAGO
RAVARD
RAVELO
RAVENTOS
RAXACH
RAYA
RESSY
RESTO
RESTOY
RESTREDO
RESTREPO
RESUREZ
RETA
RETAMAL
RETAMALES
RETAMAR
RETAMOSA
RETAMOZA
RETANA
RETANO
RETES
RETEZ
RETIZ
RETTA
RETURETA
REVADA
REVADO
REVELES
REVELEZ
REVELLES
REVERON
REVILLA
REVILLAS
REVOLLAR
REVOLLEDO
REVOREDO
REVUELTA
REVUELTAS
REXACH
REY
REYEROS
REYERS
REYES
REYESPEREZ
REYESRODRIGUEZ
REYEZ
REYGADAS
REYNA
REYNADO
REYNAGA
REYNALDO
REYNALDOS
REYNERO
REYNEROS
REYNOS
REYNOSA
REYNOSO
REYNOZA
REYNOZO
REYO
REYOS
REZA
REZENDEZ
RIALI
RIANCHO
ROBLES
ROBLETO
ROBLEZ
ROBREDO
ROCA
ROCAFORT
ROCAFUERTE
ROCAMONTES
ROCAMONTEZ
ROCERO
ROCES
ROCHA
ROCHAS
ROCHES
ROCHIN
ROCHOA
ROCIO
RODADO
RODALLEGAS
RODARTE
RODAS
RODEA
RODELA
RODELAS
RODELO
RODENA
RODENAS
RODERO
RODEZ
RODGRIGUEZ
RODICIO
RODIGUEZ
RODIL
RODILES
RODIQUEZ
RODIRGUEZ
RODREGUEZ
RODRGUEZ
RODRIG
RODRIGEUZ
RODRIGEZ
RODRIGIEZ
RODRIGNEZ
RODRIGOEZ
RODRIGS
RODRIGU
RODRIGUEA
RODRIGUERA
RODRIGUEZ
RODRIGUEZMARTINEZ
RODRIGUEZS
RODRIGUIEZ
RODRIGUIZ
RODRIGUZ
RODRIQUEZ
RODRIQUIZ
RODRIUEZ
RODRIUGEZ
RODRIZUEZ
RUBERO
RUBERTE
RUBI
RUBIA
RUBIALES
RUBIANES
RUBIANO
RUBIDO
RUBIELLA
RUBIERA
RUBILDO
RUBINOS
RUBIO
RUBIOLA
RUCIO
RUCOBO
RUEDA
RUEDAFLORES
RUEDAS
RUELAS
RUELAZ
RUELOS
RUEMPEL
RUENES
RUESGA
RUEZGA
RUFAT
RUFFENO
RUFIN
RUGAMA
RUGARCIA
RUGERIO
RUIBAL
RUIDAS
RUIDIAZ
RUILOBA
RUISANCHEZ
RUISECO
RUIZ
RUIZCALDERON
RUIZCASTANEDA
RUIZDEESPARZA
RUIZDELVIZO
RUIZE
RUIZESPARZA
RUIZZ
RUL
RULLAN
RUMAYOR
RUMBAUT
RUTIAGA
RUTIZ
RUVALCABA
RUVALCAVA
RUVIRA
RUYBAL
RUYBALID
RUYBOL
RUZ

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

SAA-SWA

SAA
SAABEDRA
SAAUEDRA
SAAVEDRA
SABALA
SABALLOS
SABALZA
SABANDO
SABATER
SABATES
SABEDRA
SABI
SABICER
SABIDO
SABINES
SABLATURA
SABOGAL
SABORI
SABORIDO
SABORIO
SABORIT
SABOYA
SABRES
SABROSO
SABUGO
SACA
SACARELLO
SACASAS
SACERIO
SACOS
SACRISTAN
SADA
SADES
SADULE
SAEDA
SAENS
SAENZ
SAETA
SAEZ
SAFADY
SAFILLE
SAFONT
SAGARA
SAGARDIA
SAGARDOY
SAGARIBAY
SAGARNAGA
SAGARO
SAGARRA
SAGAS
SAGASTA
SAGASTEGUI
SAGASTUME
SAGRADO
SAGREDO
SAGRERO
SANCHIZ
SANCHO
SANCHOYERTO
SANCHZ
SANCIPRIAN
SANDATE
SANDAVAL
SANDAVOL
SANDEZ
SANDIA
SANDIEGO
SANDIGO
SANDOBAL
SANDOMINGO
SANDOUAL
SANDOVA
SANDOVAL
SANDOZ
SANEMETERIO
SANETO
SANEZ
SANFELIPE
SANFELIX
SANFELIZ
SANFIEL
SANFIORENZO
SANGABRIEL
SANGRE
SANGUESA
SANGUILY
SANGUINO
SANIN
SANINOCENCIO
SANJENIS
SANJORGE
SANJORJO
SANJOSE
SANJUAN
SANJURJO
SANLUCAS
SANMARTIN
SANMIGUEL
SANMILLAN
SANNICOLAS
SANOGUET
SANORA
SANPEDRO
SANQUICHE
SANROMAN
SANSERINO
SANSORES
SANTAANA
SANTAANNA
SANTACOLOMA
SANTACRUZ
SANTAELLA
SECATERO
SECO
SEDA
SEDANO
SEDENO
SEDILLA
SEDILLIO
SEDILLO
SEDILLOS
SEGANA
SEGARRA
SEGOBIA
SEGONIA
SEGORIA
SEGOVIA
SEGOVIANO
SEGRERA
SEGUERA
SEGUI
SEGUNDO
SEGURA
SEGURE
SEGUROLA
SEGUY
SEIJAS
SEIJO
SEIN
SEISDEDOS
SEJA
SEJAS
SELAYA
SELAYANDIA
SELEM
SELESTINO
SELGADO
SELGAS
SELLES
SELVERA
SEMAYA
SEMBERA
SEMBRANO
SEMEXANT
SEMEY
SEMIDAY
SEMIDEI
SEMIDEY
SEMINARIO
SEMPERTEGUI
SEMPRE
SENA
SENCION
SENDEJAR
SENDEJAS
SENDEJO
SENDIS
SENDON
SIQUEIRO
SIQUEIROS
SIQUEROS
SIQUIEROS
SIRA
SIRET
SIRIAS
SIRIO
SIROS
SISNERO
SISNEROS
SISNEROZ
SISNIEGAS
SISTOS
SITAL
SITJAR
SIURANO
SIVA
SIVERIO
SIXTO
SIXTOS
SOBA
SOBALVARRO
SOBERAL
SOBERANES
SOBERANEZ
SOBERANIS
SOBERON
SOBRADO
SOBREMONTE
SOBRERO
SOBREVILLA
SOBRIN
SOBRINO
SOCA
SOCARRAS
SOCAS
SOCIAS
SOCORRO
SODOY
SOEGAARD
SOJO
SOL
SOLACHE
SOLANILLA
SOLANO
SOLARES
SOLAREZ
SOLARIO
SOLARZANO
SOLAUN
SOLDEVILA
SOLDEVILLA
SOLED
SOLEDAD
SOLENO

SAGUN
SAHAGUN
SAIJO
SAILAS
SAINA
SAINEZ
SAINZ
SAIS
SAIZ
SAIZA
SALABARRIA
SALABERRIOS
SALACAN
SALADO
SALAETS
SALAICES
SALAIS
SALAISES
SALAIZ
SALAMANCA
SALANAS
SALANO
SALARS
SALAS
SALASAR
SALAVARIA
SALAVARRIA
SALAVARRIETA
SALAVERRIA
SALAYA
SALAYANDIA
SALAZ
SALAZA
SALAZAN
SALAZAR
SALBATO
SALCEDA
SALCEDO
SALCIDA
SALCIDO
SALCINES
SALDAMA
SALDAMANDO
SALDANA
SALDANO
SALDARRIAGA
SALDATE
SALDEZ
SALDIERNA
SALDIVAR
SALDONA
SALDUA
SALEGUI
SALGADO
SALGADOLUNA
SALGUEIRO
SALGUERA
SALGUERO
SALHUANA
SALIAS
SALIDO
SALINAS
SALINASGARCIA
SALINASRAMIREZ
SALINAZ
SALINOS
SANTAGO
SANTALIZ
SANTALLA
SANTALO
SANTAMARINA
SANTAMATO
SANTANA
SANTANDER
SANTANDREU
SANTANO
SANTAPAU
SANTAROSA
SANTARRIAGA
SANTEIRO
SANTELICES
SANTELISES
SANTELLAN
SANTELLANA
SANTELLANES
SANTELLANO
SANTESTEBAN
SANTEYAN
SANTIAG
SANTIAGO
SANTIANA
SANTIBANES
SANTIBANEZ
SANTIESTEBAN
SANTIESTEVAN
SANTILLAN
SANTILLANA
SANTILLANES
SANTILLANEZ
SANTILLANO
SANTILLIAN
SANTISTEBAN
SANTISTEVAN
SANTISTEVEN
SANTIVANEZ
SANTIZO
SANTODOMINGO
SANTORINIOS
SANTOS
SANTOSCOY
SANTOVENA
SANTOVENIA
SANTOY
SANTOYA
SANTOYO
SANTURIO
SANUDO
SANVICENTE
SANZ
SAPATA
SAPEDA
SAPENA
SAPIEN
SAPIENS
SAPINOSO
SARABIA
SARACHAGA
SARACHO
SARAGOSA
SARAGOZA
SARAGUETA
SARALEGUI
SENDRAL
SENERIZ
SENJUDO
SENOSIAIN
SENQUIZ
SENTENA
SENTENO
SENTMANAT
SEOANE
SEOANES
SEPEDA
SEPIAN
SEPTIEN
SEPULBEDA
SEPULUEDA
SEPULVEDA
SEPULVEDO
SEPULVIDA
SEQUEIDA
SEQUEIRO
SEQUERA
SEQUERRA
SEQURA
SERABALLS
SERABIA
SERALENA
SERANTES
SERASIO
SERAYDAR
SERBANTES
SERBANTEZ
SERDA
SERDAS
SERENIL
SERMENO
SERMINO
SERNA
SERNAS
SERRACINO
SERRADELL
SERRADO
SERRALLES
SERRALTA
SERRAND
SERRANIA
SERRANO
SERRANTES
SERRAT
SERRATA
SERRATE
SERRATO
SERRATOS
SERRAVILLO
SERRAVO
SERRET
SERRITOS
SERRONO
SERROS
SERTUCHE
SERVANTES
SERVANTEZ
SERVERA
SERVILLA
SERVILLO
SERVIN
SESANTO
SOLER
SOLERA
SOLERO
SOLIS
SOLISGARZA
SOLIVA
SOLIVAN
SOLIZ
SOLONO
SOLORIO
SOLORSANO
SOLORZA
SOLORZANO
SOLOZABAL
SOLSONA
SOLTERO
SOMANO
SOMARRIBA
SOMAVIA
SOMBRA
SOMOANO
SOMODEVILLA
SOMOHANO
SOMONTE
SOMOZA
SONABRIA
SONCHAR
SONCHEZ
SONERA
SONICO
SONOQUI
SONORA
SOPENA
SOQUI
SOR
SORATOS
SORBA
SORDIA
SORDO
SORIA
SORIANO
SORIENO
SORIO
SORNOSO
SOROA
SOROLA
SORONDO
SORRANO
SORROCHE
SORTILLON
SORZANO
SOSA
SOSAPAVON
SOSAYA
SOSIAS
SOSTRE
SOTA
SOTELLO
SOTELO
SOTERAS
SOTERO
SOTILLO
SOTO
SOTOLONGO
SOTOMAYER
SOTOMAYOR

SALIVA
SALIVAS
SALIZ
SALIZAR
SALLES
SALMERON
SALMINA
SALMONES
SALORT
SALOS
SALSA
SALSAMEDA
SALSEDO
SALSIDO
SALTARES
SALTERO
SALTOS
SALUDES
SALUMBIDES
SALVACION
SALVARIA
SALVARREY
SALVAT
SALVATIERRA
SALVIDE
SAMADA
SAMALA
SAMALOT
SAMANEGO
SAMANIEGO
SAMANO
SAMARIO
SAMARIPA
SAMARO
SAMARRIPA
SAMARRIPAS
SAMARRON
SAMAYOA
SAMBADO
SAMBOLIN
SAMBRANO
SAMBUESO
SAMBULA
SAMILPA
SAMONIEGO
SAMORA
SAMORANO
SAMOT
SAMPAYAN
SAMPAYO
SAMPEDRO
SAMPERA
SAMPERIO
SAMTOS
SAMUDIA
SAMUDIO
SANABIA
SANABRIA
SANAGUSTIN
SANAME
SANANDRES
SANBARTOLOME
SANBRANO
SANCEDO
SANCEN
SANCHA
SARANTE
SARATE
SARAVIA
SARCEDA
SARDANETA
SARDINAS
SARDUY
SARELLANO
SARENANA
SARIA
SARIEGO
SARINA
SARINANA
SARINAS
SARIOL
SARMENTERO
SARMIENTA
SARMIENTO
SARMIENTOFLORES
SARMIENTOS
SAROZA
SARQUIS
SARQUIZ
SARRACINO
SARRAGA
SARRARAZ
SARRATEA
SARREAL
SARRIA
SARRIERA
SARTUCHE
SARZO
SARZOZA
SASPE
SASTRE
SASTURAIN
SATARAIN
SATARAY
SATURNINO
SAUCEDA
SAUCEDO
SAUCIDO
SAUCILLO
SAUDIA
SAUEDRA
SAULEDA
SAUMA
SAUMELL
SAURA
SAUREZ
SAURI
SAUSAMEDA
SAUSEDA
SAUSEDO
SAUZA
SAVALA
SAVALZA
SAVEDRA
SAVELLANO
SAVINON
SAVORILLO
SAYAGO
SAYAVEDRA
SAYGIDIA
SEANEZ
SEARA
SESATE
SESE
SESMA
SESMAS
SESTEAGA
SESTIAGA
SEVA
SEVALLOS
SEVILLA
SEVILLANO
SEVILLO
SEXTO
SEZATE
SEZUMAGA
SIACA
SIADOR
SIANEZ
SIAZ
SIBAJA
SIBERIO
SIBERON
SIBRIAN
SICAIROS
SICARDO
SICRE
SIDA
SIEDO
SIERRA
SIERRAS
SIERRO
SIERZE
SIFONTE
SIFONTES
SIFRE
SIFUENTES
SIFUENTEZ
SIFVENTES
SIGALA
SIGALES
SIGARAN
SIGARROA
SIGUA
SIGUEIROS
SIGUENZA
SILBAS
SILERIO
SILGERO
SILGUERO
SILIEZAR
SILLANO
SILLART
SILLAS
SILLEN
SILLER
SILLERO
SILOS
SILOT
SILQUERO
SILVARREY
SILVAS
SILVERIO
SILVESTRE
SILVESTRY
SILVEYRA
SIMENTAL
SIMENTEL
SOTORRIO
SOTRO
SOTTO
SOTTOSANTO
SOTURA
SOTUYO
SOUCHET
SOUFFRONT
SOURINA
SOVERANEZ
SOZA
SPINDOLA
SUARE
SUARES
SUAREZ
SUASTE
SUASTEGUI
SUAVEZ
SUAZO
SUBEALDEA
SUBEDAR
SUBEGA
SUBELDIA
SUBES
SUBIA
SUBIAS
SUBIDO
SUBIRANA
SUBIRIAS
SUCO
SUDARIA
SUEIRAS
SUEIRO
SUELA
SUELTO
SUENGAS
SUERA
SUEREZ
SUERO
SUESCUN
SUEYRAS
SUGRANES
SUINA
SULAICA
SULIVERES
SULLANO
SULPACIO
SULSONA
SUMALLA
SUMAYA
SUMBERA
SUMBERAZ
SUNE
SUNER
SUNICA
SUNIGA
SUQUET
SUREDA
SURIA
SURILLO
SURINACH
SURIS
SURITA
SURO
SUROS
SUSANA

SANCHE
SANCHEN
SANCHES
SANCHEZ
SANCHEZDETAGLE
SANCHEZPEREZ
SANCHIDRIAN
SEAVELLO
SEBALLOS
SEBEO
SECA
SECADA
SECADES
SIMIANO
SINTAS
SIORDIA
SIPRIAN
SIPULA
SIQUEIDO
SUSTACHE
SUSTAETA
SUSTAITA
SUSTAYTA
SUSURAS
SWAZO

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

TAB-UZU

TABADA
TABALDO
TABALES
TABANA
TABANICO
TABARES
TABAREZ
TABBADA
TABERA
TABERAS
TABERNERO
TABIO
TABIZON
TABLADA
TABLADO
TABOADA
TABOAS
TABORA
TABORDA
TABRAUE
TABUENA
TABUENCA
TABULLO
TACHIAS
TACHIQUIN
TACORDA
TACORONTE
TADEO
TAFFOLLA
TAFOLA
TAFOLLA
TAFORO
TAFOYA
TAGABAN
TAGANAS
TAGLE
TAGUDAR
TAJES
TALABERA
TALACHE
TALAMANTE
TALAMANTES
TALAMANTEZ
TALAMAS
TALAMENTE
TALAMENTES
TALAMENTEZ
TALANA
TALANCON
TALAVERA
TALLABAS
TALLAVAS
TALLEDA
TALLEDO
TALLERINO
TAMAME
TAMARES
TAMAREZ
TEMBRAS
TEMER
TEMORES
TEMPO
TEMPRANA
TENA
TENARIO
TENAS
TENERIAS
TENERIO
TENES
TENEYUCA
TENEYUQUE
TENIENTE
TENORIA
TENORIO
TEPERA
TEPEZANO
TEPOSTE
TEQUIDA
TERAN
TERCERO
TERCEROS
TERCILLA
TERMINEL
TERON
TERRADO
TERRASA
TERRASAS
TERRASAZ
TERRAZA
TERRAZAS
TERRERO
TERREROS
TERRIGUEZ
TERRIQUEZ
TERROBA
TERRON
TERRONES
TERSERO
TERUEL
TERUSA
TERVINO
TERZADO
TESILLO
TEVERE
TEXCAHUA
TEXIDOR
TEYECHEA
TEZCUCANO
TEZINO
THILLET
TIA
TIBALDEO
TIBLJAS
TIBON
TIBURCIO
TICO
TORROELLA
TORRON
TORROS
TORRUELLA
TORRUELLAS
TORTALITA
TORTES
TORTILLA
TORUGA
TORUNO
TOSA
TOSADO
TOSAR
TOSSAS
TOSTA
TOSTADO
TOVA
TOVALIN
TOVANCHE
TOVAR
TOVARES
TOVAREZ
TOVIAS
TOYA
TOYENS
TOYMIL
TOYOS
TRABA
TRABAL
TRABANCO
TRABAZO
TRACONIS
TRANCOSA
TRANQUADA
TRAPAGA
TRASLAVINA
TRASOBARES
TRASPENA
TRASVINA
TRAVAL
TRAVASO
TRAVERZO
TRAVIESO
TREBIZO
TREFILIO
TREGARO
TREJO
TREJOS
TRELLES
TREMILLO
TRENZADO
TRES
TRESPALACIOS
TRETO
TREVILLA
TREVINA
TREVINIO
TREVINO
UBILES
UBILLA
UBINA
UBINAS
UCEDA
UCETA
UCHA
UCHITA
UCHIZONO
UDABE
UDAETA
UDAVE
UDERO
UFRACIO
UFRET
UGALDE
UGARRIZA
UGARTE
UGARTECHEA
UGUES
UJUETA
ULACIA
ULATE
ULIBARI
ULIBARRI
ULIVARRI
ULLIVARRI
ULLOA
ULTRERAS
UMANA
UMANZOR
UMARAN
UMPIERRE
UNALE
UNAMUNO
UNANUE
UNATE
UNEDA
UNGO
UNZALU
UNZUETA
URAGA
URAINE
URANDAY
URANGA
URANGO
URBAEZ
URBALEJO
URBAY
URBIETA
URBINA
URBINO
URBISTONDO
URBIZU
URCADEZ
URCELAY
URCIEL
URDANETA

TAMARGO
TAMARIT
TAMARIZ
TAMAYA
TAMAYO
TAMBARA
TAMBUNGA
TAMERON
TAMEZ
TAMGUMA
TANCHEZ
TANCO
TANDA
TANFORAN
TANGUMA
TANON
TANORI
TANTAO
TANUZ
TAPANES
TAPETILLO
TAPIA
TAPIAS
TAPICERIA
TAPIZ
TAPORCO
TARABINO
TARACENA
TARAFA
TARAGON
TARAILO
TARAJANO
TARAMASCO
TARANCO
TARANGO
TARAZON
TARAZONA
TARBES
TARGA
TARIN
TARNAVA
TARRAGO
TARRANGO
TARRATS
TARRAU
TARRAZA
TARRIDE
TARULA
TASABIA
TATIS
TAVALES
TAVAR
TAVAREZ
TAVERA
TAVERAS
TAVIRA
TAVISON
TAVITAS
TAVIZON
TAVORA
TAYABAS
TEBA
TEBAQUI
TEBAR
TEHAS
TEIJEIRO
TIENDA
TIJERINA
TIJERINO
TIJERO
TINAJERO
TINAZA
TINEO
TINERELLA
TINOCO
TIO
TIRADO
TIRADOR
TIRAN
TIRRE
TIRRES
TIRREZ
TIRSE
TISCARENO
TISINO
TISNADO
TIXIER
TIZNADO
TIZOL
TOBAL
TOBAR
TOBARES
TOBAS
TOBILLA
TOBON
TOCA
TOFOYA
TOGAR
TOGORES
TOIMIL
TOJEIRA
TOJEIRO
TOLANO
TOLEDANO
TOLEDO
TOLENTINO
TOLLARDO
TOLOSA
TOLOZA
TOLSA
TOMADA
TOMAYO
TOMELLOSO
TOMEU
TOMINES
TOPETE
TOPIA
TOQUERO
TORAL
TORALBA
TORALES
TORANO
TORANS
TORANZO
TORDESILLAS
TORENO
TORIBIO
TORICES
TORIJANO
TORIZ
TORMES
TORMOS
TREVISO
TREVIZO
TREVIZU
TRIANA
TRIAS
TRIAY
TRICOCHE
TRIGO
TRIGOS
TRIGOURA
TRIGUERO
TRIGUEROS
TRIJILLO
TRILLA
TRILLANES
TRILLAS
TRILLAYES
TRILLES
TRILLO
TRILLOS
TRIMINO
TRINCADO
TRINCHET
TRINIDAD
TRIPIS
TRISTAN
TRISTE
TRIUNFO
TRIVISO
TRIVIZ
TRIVIZO
TROCHE
TROCHEZ
TROJILLO
TRONCOSA
TRONCOSO
TRONCOZA
TRONCOZO
TROYA
TROZERA
TRUCIOS
TRUEBA
TRUIJILLO
TRUILLO
TRUJANO
TRUJEQUE
TRUJILLA
TRUJILLIO
TRUJILLO
TRUYOL
TUALLA
TUANDO
TUASON
TUAZON
TUBENS
TUBON
TUDELA
TUDON
TUEME
TUERO
TUFARES
TULIER
TUNCHES
TUNCHEZ
TUNDIDOR
TUNON
URDANIVIA
URDAZ
URDIALES
URDIALEZ
URENA
URENDA
URENIA
URENO
URESTE
URESTI
URETA
URGELL
URGELLES
URGILES
URGUIDI
URIA
URIARTE
URIAS
URIAZ
URIBARRI
URIBE
URIBES
URIBURU
URIEGA
URIEGAS
URIEL
URIETA
URIOLA
URIONAGUENA
URIOSTE
URIOSTEGUI
URISTA
URITA
URIVE
URIZ
URIZA
URIZAR
UROZA
URQUIA
URQUIAGA
URQUIDES
URQUIDEZ
URQUIDI
URQUIETA
URQUIJO
URQUILLA
URQUIOLA
URQUIZA
URQUIZO
URQUIZU
URRA
URRABAS
URRABAZ
URRABAZO
URRACA
URREA
URRECHAGA
URREGO
URRETA
URRIETA
URRIZA
URROZ
URRUCHUA
URRUTIA
URSUA
URSULO

TEIJIZ
TEIJO
TEISSONNIERE
TEIXIDOR
TEJADA
TEJAS
TEJEDA
TEJEDAS
TEJEDO
TEJEDOR
TEJEIRO
TEJERA
TEJERAS
TEJERINA
TEJERO
TEJIDOR
TEJO
TELAS
TELAVERA
TELLADO
TELLAECHE
TELLECHEA
TELLERIA
TELLES
TELLEZ
TELLO
TELLOS
TELON
TEMBLADOR
TORNEL
TORNERO
TORO
TORQUEMADA
TORRADO
TORRALBA
TORRALBAS
TORRALES
TORRALVA
TORRANO
TORREBLANCA
TORRECH
TORRECILLA
TORRECILLAS
TORREGROSA
TORRELLAS
TORRENTERA
TORRES
TORRESCANO
TORRESDIAZ
TORRESMARTINEZ
TORRESOLA
TORRESRODRIGUEZ
TORRESS
TORREZ
TORRICELLA
TORRIENTE
TORRIJOS
TORRIO
TUR
TURBAY
TURBE
TURCIOS
TURIACE
TURINCIO
TURIZO
TURREY
TURRIETA
TURRIETTA
TURRUBIARTES
TURRUBIATE
TURRUBIATES
TURULL
TUYA

UBALDE
UBALLE
UBALLEZ
UBALS
UBANDO
UBARRI
UBAY
UBEDA
UBIAS
UBIDES
UBIERA
UBIETA
URTADO
URTASUN
URTEAGA
URTEZ
URTIAGA
URTUSUASTEGUI
URTUZUASTEGUI
URUBURU
URUCHURTU
URUENA
URUETA
URVANEJO
URVINA
URZO
URZUA
USALLAN
USATORRES
USCANGA
USEDA
USON
UTRIA
UTRILLA
UTSET
UVALLE
UVALLES
UVIEDO
UZETA
UZUETA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

VAC-VUE

VACA
VACIO
VADELL
VADI
VADIA
VADILLO
VADIZ
VAELL
VAELLO
VAEZ
VAEZA
VAIO
VAISA
VAIZ
VAIZA
VAL
VALADEZ
VALADON
VALAGUE
VALARDE
VALAREZO
VALASQUEZ
VALAZQUEZ
VALBUENA
VALCARCE
VALCARCEL
VALCAZAR
VALDASO
VALDEMAR
VALDENEGRO
VALDEPENA
VALDERAMA
VALDERAS
VALDERAZ
VALDEREZ
VALDERRAIN
VALDERRAMA
VALDES
VALDESPINO
VALDESRODRIGUEZ
VALDESUSO
VALDEZ
VALDEZATE
VALDILLES
VALDILLEZ
VALDIVA
VALDIVIA
VALDIVIESO
VALDIVIEZ
VALDIVIEZO
VALDO
VALDONADO
VALDOVIN
VALDOVINO
VALDOVINOS
VALDRIZ
VALEA
VALEDON
VAZQUETELLES
VAZQUEZ
VAZQUEZRIVERA
VEALSQUEZ
VEAS
VECIN
VECINO
VEDARTE
VEDIA
VEGA
VEGARA
VEGATORRES
VEGAZO
VEGERANO
VEGES
VEGO
VEGOS
VEGUE
VEGUEZ
VEGUILLA
VEIGUELA
VEINTIDOS
VEITIA
VEJAR
VEJARA
VEJARANO
VEJIL
VEJO
VELA
VELAARCE
VELACUELLAR
VELADO
VELADOR
VELAQUEZ
VELAR
VELARDE
VELARDES
VELARDEZ
VELASCO
VELASGUEZ
VELASQUES
VELASQUEZ
VELASTEGUI
VELAZCO
VELAZGUEZ
VELAZQUES
VELAZQUEZ
VELDERRAIN
VELENZUELA
VELES
VELESQUEZ
VELEZ
VELEZPEREZ
VELEZROMAN
VELILLA
VELIS
VELIZ
VELLAS
VICENT
VICENTE
VICENTY
VICHOT
VICIEDO
VICINAIZ
VICIOSO
VICTORERO
VICTORES
VICUNA
VIDACA
VIDAL
VIDALES
VIDALEZ
VIDANA
VIDANO
VIDAURE
VIDAURI
VIDAURRAZAGA
VIDAURRE
VIDAURRETA
VIDAURRI
VIDAURRY
VIDENA
VIDES
VIDOT
VIDRIALES
VIDRIO
VIDRIOS
VIDUYA
VIEGO
VIEITES
VIEJO
VIELMA
VIELMAN
VIELMAS
VIENTOS
VIERA
VIERAS
VIESCA
VIESCAS
VIETA
VIETTY
VIEYRA
VIEZCAS
VIGIL
VIGILIA
VIGNAU
VIGO
VIGOA
VIGON
VIGUERA
VIGUERAS
VIGUERIA
VIGUES
VIJARRO
VIJIL
VILA
VILLAPONDO
VILLAPUDUA
VILLAQUIRAN
VILLAR
VILLARAN
VILLARAOS
VILLARAUS
VILLAREAL
VILLAREJO
VILLARES
VILLARICO
VILLARINO
VILLARINY
VILLARIZA
VILLAROEL
VILLARONGA
VILLAROS
VILLARRE
VILLARREAL
VILLARRIAL
VILLARROEL
VILLARRUBIA
VILLARRUEL
VILLARRUZ
VILLARTA
VILLARUBIA
VILLARUZ
VILLAS
VILLASAIZ
VILLASANA
VILLASANO
VILLASANTE
VILLASECA
VILLASENOR
VILLASIS
VILLASTRIGO
VILLASUSO
VILLATE
VILLATORO
VILLAVA
VILLAVERDE
VILLAVICENCIO
VILLAVISENCIO
VILLAZANA
VILLAZON
VILLEDA
VILLEGA
VILLEGAS
VILLEGES
VILLEGOS
VILLEJO
VILLELA
VILLENA
VILLEREAL
VILLERREAL
VILLESCA
VILLESCAS
VILLESCAZ

VALENCIA
VALENCIANA
VALENCIANO
VALENEUELA
VALENQUELA
VALENSUELA
VALENTIN
VALENZUELA
VALENZULA
VALENZVELA
VALERA
VALERIOS
VALERO
VALESQUEZ
VALEZ
VALGAS
VALHUERDI
VALIDO
VALIENTE
VALIGURA
VALINA
VALINAS
VALINO
VALLADARES
VALLADAREZ
VALLADO
VALLADOLID
VALLARTA
VALLDEPERAS
VALLE
VALLECILLA
VALLECILLO
VALLECILLOS
VALLEDOR
VALLEGOS
VALLEJA
VALLEJO
VALLEJOS
VALLELLANES
VALLENS
VALLERINO
VALLES
VALLEZ
VALLIN
VALLS
VALMANA
VALMORES
VALQUEZ
VALTERZA
VALTIER
VALTIERRA
VALTIERREZ
VALVERDE
VANDO
VANEGAS
VANGA
VANUELOS
VANZURA
VAQUE
VAQUER
VAQUERA
VAQUERO
VAQUILAR
VARA
VARADA
VARAJAS
VELLIDO
VELLON
VELO
VELOS
VELOSO
VELOZ
VELOZQUEZ
VELUNZA
VELUZ
VENCES
VENDRELL
VENECIA
VENEGAS
VENERACION
VENEREO
VENEZUELA
VENSOR
VENTA
VENTOSO
VENZAL
VENZOR
VENZUELA
VERA
VERACRUZ
VERAMENDI
VERANDAS
VERAS
VERASTEGUI
VERASTEQUI
VERASTIGUI
VERASTIQUE
VERASTIQUI
VERAY
VERAZ
VERAZA
VERBERA
VERCELES
VERDAGUER
VERDECANNA
VERDECIA
VERDEGUEZ
VERDEJA
VERDEJO
VERDERA
VERDESCA
VERDESE
VERDESOTO
VERDIA
VERDOZA
VERDUGA
VERDUGO
VERDUSCO
VERDUZCO
VERDUZEO
VEREA
VERELA
VEREZ
VERGARA
VERGARO
VERGEL
VERGUIZAS
VERINO
VERJIL
VERNENGO
VERONIN
VERQUER
VILABOY
VILADROSA
VILANO
VILANOVA
VILAR
VILARCHAO
VILARDELL
VILARINO
VILARO
VILAS
VILASQUEZ
VILATO
VILAUBI
VILCHES
VILCHEZ
VILCHIS
VILDOSOLA
VILLA
VILLABLANCA
VILLACAMPA
VILLACANA
VILLACARLOS
VILLACIS
VILLACORTA
VILLACORTE
VILLACRES
VILLACRESES
VILLADA
VILLADO
VILLADONIGA
VILLAERREAL
VILLAESCUSA
VILLAFAN
VILLAFANA
VILLAFANE
VILLAFLORES
VILLAFRANCA
VILLAFRANCO
VILLAFUERTE
VILLAGAS
VILLAGOMES
VILLAGOMEZ
VILLAGRAMA
VILLAGRAN
VILLAGRANA
VILLAHERMOSA
VILLALABOS
VILLALBA
VILLALBAZO
VILLALBOS
VILLALOBAS
VILLALOBO
VILLALOBOS
VILLALOBOZ
VILLALOHOS
VILLALON
VILLALONA
VILLALONGA
VILLALONGIN
VILLALONGO
VILLALOVAS
VILLALOVOS
VILLALOVOZ
VILLALPANDO
VILLALTA
VILLALUA
VILLETE
VILLEZCAS
VILLICANA
VILLICANO
VILLIEGAS
VILLIS
VILLOCH
VILLODAS
VILLOLDO
VILLORIA
VILLORIN
VILLORO
VILLOT
VILLOTA
VILORIO
VILTRE
VINA
VINAGERAS
VINAIXA
VINAJA
VINAJERAS
VINALES
VINALS
VINAS
VINAT
VINCENTY
VINCIONI
VINDIOLA
VINEGRA
VINENT
VINFRIDO
VINGOCHEA
VINIEGRA
VINUELA
VINUELAS
VINZON
VIOLETA
VIORATO
VIOTA
VIQUEZ
VIRADIA
VIRAMONTE
VIRAMONTES
VIRAMONTEZ
VIRATA
VIRAY
VIRCHIS
VIRELLA
VIRGEN
VIRJAN
VIROLA
VIRREY
VIRRUETA
VIRUEGAS
VIRUET
VIRUETE
VIRUZO
VISARRAGA
VISARRIAGAS
VISCAINA
VISCAINO
VISCARRA
VISCASILLAS
VISCAYA
VISERTO
VISOSO

VARAS
VARCARCEL
VARCOS
VARELA
VARELAS
VARGAS
VARGAZ
VARGUEZ
VARIA
VARONA
VARONIN
VAROS
VAROZ
VARQUEZ
VASALDUA
VASALLO
VASCONES
VASCONEZ
VASCOS
VASGUEZ
VASQUE
VASQUES
VASQUEZ
VASSQUEZ
VASTI
VAZGUEZ
VAZQUE
VAZQUEL
VAZQUES
VERTIZ
VERVER
VETA
VEVE
VEYNA
VEYTIA
VIACAVA
VIACOBO
VIADA
VIADAS
VIADE
VIADERO
VIADES
VIADO
VIAGRAN
VIALES
VIALIZ
VIALPANDO
VIAMONTE
VIANA
VIANES
VIAPANDO
VIARREAL
VIARRIAL
VIAYRA
VICARIA
VICEDO
VICENCIO
VICENS
VILLALUNA
VILLALUZ
VILLALVA
VILLALVASO
VILLALVAZO
VILLAMAN
VILLAMAR
VILLAMARIN
VILLAMAYOR
VILLAMIA
VILLAMIL
VILLAMOR
VILLAN
VILLANEDA
VILLANES
VILLANEUVA
VILLANEVA
VILLANEZ
VILLANNEVA
VILLANUEBA
VILLANUERA
VILLANUEVA
VILLANUEVO
VILLANVEVA
VILLAO
VILLAPADIERNA
VILLAPANDO
VILLAPLANA
VILLAPOL
VISPERAS
VISSEPO
VISTRO
VITAL
VITAR
VITELA
VITIER
VIVANCO
VIVANCOS
VIVAR
VIVAS
VIVERO
VIVEROS
VIVES
VIVO
VIZCAINO
VIZCARRA
VIZCARRO
VIZCARRONDO
VIZCAYA
VIZCON
VIZOSO
VIZUET
VIZUETA
VOLBEDA
VOSQUEZ
VOZQUEZ
VUELTA

APPENDIX O

1980 CENSUS LIST OF SPANISH SURNAMES

XIM-ZUZ

XIMENES
XIMENEZ
XIMINEZ
XIQUES
XOCHICALE
XUAREZ

YABUT
YANAS
YANES
YANEZ
YANEZA
YANIZ
YANOSO
YAQUES
YARA
YARRITO
YARRITU
YARTE
YBABEN
YBANEZ
YBARA
YBARBO
YBARRA
YBARROLA
YBARRONDO
YBERA
YBERRA
YCAZA
YCEDO
YCIANO
YDROGO
YEBARA
YEBRA
YEDO
YEDOR
YEDRA
YEPA
YEPES
YEPEZ
YEPIS
YEPIZ
YERA
YERAS
YERENA
YERO
YESCAS
YESETA
YESTE
YEVERINO
YGLECIAS
YGLESIAS
YGNACIO
YGUADO
YGUERABIDE
YORBA
YORDAN
YPARRAGUIRRE
YPARREA
YPINA
YRACEBURU
YRACHETA
YRASTORZA
YRIARTE
YRIBARREN
YRIBE
YRIGOLLA
YRIGOLLEN
YRIGOYEN
YRINEO
YRIQUE
YRIQUI
YRISARRI
YRIZARRY
YROZ
YRUEGAS
YRUNGARAY
YRURETAGOYENA
YSAGUIRRE
YSAIS
YSAQUIRRE
YSASAGA
YSASI
YSASSI
YSER
YSERN
YSET
YSLA
YSLAS
YSLAVA
YSQUIERDO
YTUARTE
YTURBE
YTURRALDE
YTURRI
YTURRIA
YTURRIAGA
YUBETA
YUCUPICIO
YUDESIS
YUDICE
YUDICO
YULAN
YULFO
YURIAR
YUSTE
YVANEZ
YVARRA
YZABAL
YZAGUIRRE
ZALAZAR
ZALDANA
ZALDIVAR
ZALDUA
ZALDUMBIDE
ZALDUONDO
ZALVIDEA
ZAMACONA
ZAMAGO
ZAMANIEGO
ZAMANILLO
ZAMANO
ZAMAR
ZAMARIPA
ZAMARIPPA
ZAMARO
ZAMARRI
ZAMARRIPA
ZAMARRIPAS
ZAMARRON
ZAMAYOA
ZAMAZAL
ZAMBADA
ZAMBRANA
ZAMBRANO
ZAMILPA
ZAMORA
ZAMORANO
ZAMORES
ZAMOREZ
ZAMOT
ZAMUDIO
ZANABRIA
ZANDATE
ZANDONA
ZANGRONIZ
ZANUDO
ZAPARA
ZAPATA
ZAPATER
ZAPATERO
ZAPEDA
ZAPIAIN
ZAPIEN
ZARABOZO
ZARAGOSA
ZARAGOZ
ZARAGOZA
ZARAGOZI
ZARATE
ZARAZUA
ZARCO
ZARCOS
ZARDENETA
ZARDENETTA
ZAVALA
ZAVALETA
ZAVALETTA
ZAVALLA
ZAVALZA
ZAVAT
ZAYAS
ZAYASBAZAN
ZAYAZ
ZAZUETA
ZAZUETTA
ZEBALLOS
ZEDENO
ZEDILLO
ZEGARRA
ZELADA
ZELAYA
ZELEDON
ZEMEN
ZENDEJAS
ZENGOTITA
ZENIZO
ZENOZ
ZENTELLA
ZENTENO
ZEPADA
ZEPEDA
ZEQUEIRA
ZERDA
ZERIN
ZERMENO
ZERPA
ZERQUERA
ZERTUCHE
ZERVIGON
ZETINA
ZETINO
ZEVALLOS
ZILBAR
ZILLAS
ZOLETA
ZOMORA
ZOROLA
ZORRILLA
ZOZAYA
ZUAZNABAR
ZUAZO
ZUAZUA
ZUBELDIA
ZUBIA
ZUBIATE
ZUBIETA
ZUBILLAGA
ZUBIRAN
ZUBIRI

YLARREGUI
YLIZALITURRI
YLLA
YLLADA
YLLANES
YLLESCAS
YNCERA
YNCLAN
YNDA
YNEGAS
YNEGES
YNFANTE
YNIGO
YNIGUEZ
YNIQUEZ
YNOA
YNOCENCIO
YNOSENCIO
YNOSTROSA
YNOSTROZA
YNZUNZA
YOGUEZ
YZNAGA
YZQUIERDO

ZABAL
ZABALA
ZABALETA
ZABALLA
ZABALO
ZABALZA
ZACARIAS
ZACUTO
ZADRIMA
ZAERA
ZAFEREO
ZAFRA
ZAGALA
ZAGALES
ZAGONA
ZALACAIN
ZALACE
ZALAMEA
ZALAPA
ZARDO
ZARDON
ZARDOYA
ZAROGOZA
ZARRAGA
ZARRAGOITIA
ZARRAGOZA
ZARRIA
ZARUBICA
ZARZANA
ZARZOSA
ZARZOZA
ZARZUELA
ZASUETA
ZATARAIN
ZATARAY
ZATARIAN
ZATOREN
ZAUALA
ZAUL
ZAUZA
ZUBIRIA
ZUBIZARRETA
ZUGASTI
ZULAICA
ZULETA
ZULOAGA
ZULUAGA
ZULUETA
ZUMARRAGA
ZUMAYA
ZUNIGA
ZUNIZA
ZUNO
ZUNZUNEGUI
ZURBANO
ZURBARAN
ZURITA
ZURRICA
ZUVIA
ZUVIETA
ZUZUARREGUI

Appendix Q: Surgery Codes

Appendix Q: Surgery Codes

Q1. See ROADS Surgery Codes *(For Cases Diagnosed Prior to January 1, 2003)*

Q2. See FORDS Surgery Codes *(For Cases Diagnosed on or after January 1, 2003)*

Appendix Q-1 Surgery Codes
(For Cases Diagnosed prior to January 1, 2003)

Table of Contents

Oral Cavity
Parotid & Other Unspecified Glands
Pharynx
Esophagus
Stomach
Colon
Rectosigmoid
Rectum
Anus
Liver & Intrahepatic Bile Ducts
Pancreas
Larynx
Lung
Bones, Joints & Articular Cartilage/ Peripheral Nerves/ Connective & Soft Tissue
Spleen and Lymph Nodes
Skin
Breast
Cervix Uteri
Corpus Uteri
Ovary
Prostate
Testis
Kidney, Renal Pelvis & Ureter
Bladder
Brain & Other Parts of Central Nervous System
Thyroid Gland
All Other Sites

ORAL CAVITY
Lip C00.0-C00.9, Base of Tongue C01.9, Other Parts of Tongue C02.0-C09.9, Gum C03.0-C03.9, Floor of Mouth C04.0-C04.9, Palate C05.0-C05.9,

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
2 Not image guided
3 Image guided
4 Open, NOS
5 Not assisted by endoscopy
6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
- 11 Photodynamic therapy (PDT)

  PDT: Exposing photo-sensitive drugs to specific wave lengths of light in the presence of oxygen causing drug to become cytotoxic.

- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

  No specimen sent to pathology from this surgical event.

Procedures in codes 20-27 include, but are not limited to: Shave; Wedge resection

20 Local tumor excision, NOS (**with pathology specimen**)
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision
- 26 Polypectomy
- 27 Excisional biopsy

  Specimen sent to pathology from this surgical event.

Procedures in code 30 include, but are not limited to: Hemiglossectomy; Partial glossectomy

30 Wide excision, NOS

Procedures in codes 40-43 include, but are not limited to: Radical glossectomy

40 Radical excision of tumor, NOS
- 41 Radical excision of tumor **only**
- 42 Combination of 41 **with** en bloc mandibulectomy (marginal, segmental, hemi , or total)
- 43 Combination of 41 **with** en bloc maxillectomy (partial, subtotal, total)

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional cervical lymph nodes are:
Caudal jugular (deep cervical)
Cranial jugular (deep cervical)
Dorsal cervical (superficial cervical)
Medial jugular (deep cervical)
Occipital
Paratracheal (anterior cervical)
Prelaryngeal (anterior cervical)
Retroauricular (mastoid, posterior auricular)
Submandibular (submaxillary)
Submental
Supraclavicular

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
  2 Neck dissection, NOS
    3 Selective, limited; nodal sampling; "berry picking"
    4 Modified/modified radical
    5 Radical
9 Unknown; not stated; death certificate **only**

Terminology of neck dissection (Robbins et al. 1991): A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle. In a modified radical neck dissection the same lymph nodes are removed as in a radical neck dissection; however, one or more non lymphatic structures are preserved. A selective neck dissection preserves one or more lymph node groups routinely removed in radical neck dissection.

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
    3 Mandibulectomy (marginal, segmental, hemi , or total)
    4 Maxillectomy (partial, subtotal, or total)

Code a mandibulectomy or a maxillectomy in this field only if the procedure is **not** a part of an en bloc resection of the primary tumor. If the mandibulectomy or maxillectomy **is** a part of an en bloc resection of the primary tumor, code under Surgery of Primary Site.

  5 Distant lymph node(s)
  6 Distant site(s)
  7 Combination of 6 **with** 2, 3, 4, or 5
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Flaps, grafts, or any type of "plasty," NOS
  2 **without** implant/prosthesis
  3 **with** implant/prosthesis
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

PAROTID AND OTHER UNSPECIFIED GLANDS
Parotid Gland C07.9, Major Salivary Glands C08.0-C08.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open
9 Death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)

PDT: Exposing photo-sensitive drugs to specific wave lengths of light in the presence of oxygen causing drug to become cytotoxic.

  12 Electrocautery; fulguration (includes use of hot forceps for tumor

destruction)
13 Cryosurgery
14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy

Specimen sent to pathology from this surgical event.

30 Less than total parotidectomy, NOS
31 Facial nerve spared
32 Facial nerve sacrificed
33 Superficial lobe **only**
34 Facial nerve spared
35 Facial nerve sacrificed
36 Deep lobe (**with** or **without** superficial lobe)
37 Facial nerve spared
38 Facial nerve sacrificed
40 Total parotidectomy, NOS
41 Facial nerve spared
42 Facial nerve sacrificed
50 Radical parotidectomy, NOS
51 **without** removal of temporal bone
52 **with** removal of temporal bone
80 Parotidectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement
5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional cervical lymph nodes are:
Buccal (facial) Caudal jugular (deep cervical) Cranial jugular (deep cervical) Dorsal cervical (superficial cervical) Medial jugular (deep cervical) Occipital

Paratracheal (anterior cervical)
Parotid
Prelaryngeal (anterior cervical)
Retroauricular (mastoid, posterior auricular)
Retropharyngeal
Submandibular (submaxillary)
Submental
Supraclavicular

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
  2 Neck dissection, NOS
    3 Selective, limited; nodal sampling; "berry picking"
    4 Modified/modified radical
    5 Radical
9 Unknown; not stated; death certificate **only**

Terminology of neck dissection (Robbins et al. 1991): A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle. In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more nonlymphatic structures are preserved. A selective neck dissection preserves one or more lymph node groups routinely removed in radical neck dissection.

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3

9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Flaps, grafts, or any type of "plasty," NOS
  2 **without** implant/prosthesis
  3 **with** implant/prosthesis
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

PHARYNX

Tonsil C09.0-C09.9, Oropharynx C10.0-C10.9, Nasopharynx C11.0-C11.9, Pyriform Sinus C12.9, Hypopharynx C13.0-C13.9, Pharynx C14.0

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open
9 Death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)

PDT: Exposing photo-sensitive drugs to specific wave lengths of light in the presence of oxygen causing drug to become cytotoxic.

  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
  14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy

27 Excisional biopsy

Specimen sent to pathology from this surgical event.

30 Less than total parotidectomy, NOS
- 31 Facial nerve spared
- 32 Facial nerve sacrificed
- 33 Superficial lobe **only**
  - 34 Facial nerve spared
  - 35 Facial nerve sacrificed
- 36 Deep lobe (**with** or **without** superficial lobe)
  - 37 Facial nerve spared
  - 38 Facial nerve sacrificed

40 Total parotidectomy, NOS
- 41 Facial nerve spared
- 42 Facial nerve sacrificed

50 Radical parotidectomy, NOS
- 51 **without** removal of temporal bone
- 52 **with** removal of temporal bone

80 Parotidectomy, NOS

90 Surgery, NOS

99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative

1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented

8 No cancer-directed surgery of primary site

9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional cervical lymph nodes are:
Buccal (facial) Caudal jugular (deep cervical) Cranial jugular (deep cervical) Dorsal cervical (superficial cervical) Medial jugular (deep cervical) Occipital Paratracheal (anterior cervical) Parotid Prelaryngeal (anterior cervical) Retroauricular (mastoid, posterior auricular) Retropharyngeal Submandibular (submaxillary) Submental Supraclavicular

Codes

0 No regional lymph nodes removed

1 Regional lymph node(s) removed, NOS
- 2 Neck dissection, NOS

3 Selective, limited; nodal sampling; "berry picking"
4 Modified/modified radical
5 Radical
9 Unknown; not stated; death certificate **only**

Terminology of neck dissection (Robbins et al. 1991): A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle. In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more nonlymphatic structures are preserved. A selective neck dissection preserves one or more lymph node groups routinely removed in radical neck dissection.

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
2 Other regional sites
3 Distant lymph node(s)
4 Distant site(s)
5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Flaps, grafts, or any type of "plasty," NOS
2 **without** implant/prosthesis
3 **with** implant/prosthesis
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

ESOPHAGUS
C15.0-C15.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site

Endoscopy procedures include: Esophagoscopy; Mediastinoscopy; Thoracoscopy

1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Trans-hiatal
  6 Thoracotomy (includes split sternum)
  7 Laparotomy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)

    PDT: Exposing photo-sensitive drugs to specific wave lengths of light in the presence of oxygen causing drug to become cytotoxic.

  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
    Laser
    No specimen sent to pathology from this surgical event.
20 Local tumor excision, NOS (**with pathology specimen**)
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy
  27 Excisional biopsy

    Specimen sent to pathology from this surgical event.

30 Partial esophagectomy
40 Total esophagectomy
50 Partial esophagectomy **with** laryngectomy and/or gastrectomy, NOS

51 **with** laryngectomy
52 **with** gastrectomy, NOS
53 Partial gastrectomy
54 Total gastrectomy
55 Combination of 51 **with** any of 52-54
60 Total esophagectomy, NOS **with** laryngectomy and/or gastrectomy, NOS
61 **with** laryngectomy
62 **with** gastrectomy, NOS
63 Partial gastrectomy
64 Total gastrectomy
65 Combination of 61 **with** any of 62-64
70 Esophagectomy, NOS **with** pharyngectomy and laryngectomy
80 Esophagectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate only

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement
5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional lymph nodes are different for each anatomical subsite. The following list identifies nodes classified as regional for each subsite:	
Cervical esophagus:	Cervical, NOS Internal jugular Periesophageal Scalene Supraclavicular Upper cervical
Intrathoracic esophagus (upper, middle, lower):	Carinal Hilar (pulmonary roots) Internal jugular Mediastinal, NOS Paracardial Periesophageal Perigastric Peritracheal Superior mediastinal Tracheobronchial

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

Celiac nodes are distant for intrathoracic esophagus. Code removal of celiac nodes in the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Code only the following reconstructive procedures:
Myocutaneous flaps (pectoralis major, trapezius) Reconstruction of mandible Regional flaps

Codes

0 No reconstruction/restoration
1 Reconstruction/restoration, NOS
  2 **without** implant/prosthesis
  3 **with** implant/prosthesis
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

STOMACH
C16.0-C16.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site

Endoscopy procedures include: Esophago-/gastro-/duodeno-/jejuno-scopy; Gastroscopy; Laparoscopy.

1 Endoscopy, NOS
- 2 Not image guided
- 3 Image guided

4 Open, NOS
- 5 Not assisted by endoscopy
- 6 Assisted by endoscopy

9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site

10 Local tumor destruction, NOS (**without pathology specimen**)
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision
- 26 Polypectomy
- 27 Excisional biopsy

Specimen sent to pathology from this surgical event.

Code 30, partial gastrectomy, includes a sleeve resection of the stomach: Billroth I: anastomosis to duodenum (duodenostomy); Billroth II: anastomosis to jejunum (jejunostomy)

30 Gastrectomy, NOS (partial, subtotal, hemi-)
- 31 Antrectomy, lower (distal)

Resection of less than 40% of stomach

- 32 Lower (distal) gastrectomy (partial, subtotal, hemi-)
- 33 Upper (proximal) gastrectomy (partial, subtotal, hemi-)

40 Near total or total gastrectomy

A total gastrectomy may follow a previous partial resection of the stomach.

50 Gastrectomy, NOS **with** removal of a portion of esophagus
- 51 Partial or subtotal gastrectomy
- 52 Near total or total gastrectomy

60 Gastrectomy **with** en bloc resection of other organs, NOS
- 61 Partial or subtotal gastrectomy **with** en bloc resection
- 62 Near total or total gastrectomy **with** en bloc resection (near total = 80% resection)
- 63 Radical gastrectomy **with** en bloc resection

En bloc resection is the removal of organs in one piece at one time and may include an omentectomy.

80 Gastrectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:	
Greater Curvature of Stomach	Gastroduodenal Gastroepiploic, left Gastroepiploic, right or NOS Greater omental Greater curvature Pancreaticoduodenal (anteriorly along the first part of duodenum) Pyloric, including subpyloric and infrapyloric
Pancreatic and Splenic Area:	Pancreaticolienal Peripancreatic Splenic hilum
Lesser Curvature of Stomach:	Cardioesophageal Celiac Common hepatic Hepatoduodenal Left gastric Lesser omental Lesser curvature Paracardial; cardial Perigastric, NOS

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

DO NOT CODE the incidental removal of gallbladder, bile ducts, appendix, or vagus nerve. Incidental removal is when an organ is removed for a reason unrelated to the malignancy (gallbladder removed for obvious cholelithiasis).

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Removal of other regional sites, **only**
  3 Removal of distant node(s)
  4 Removal of distant site
  5 Combination of 2 **with** 3 and/or 4
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Gastrostomy
  2 **without** reservoir/pouch
  3 **with** reservoir/pouch (abdominal)
9 Unknown; not stated; death certificate **only**

COLON
C17.0-C17.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS

Endoscopy procedures include: Colonoscopy; Laparoscopy; Sigmoidoscopy

2 Not image guided
3 Image guided
4 Open, NOS
5 Not assisted by endoscopy
6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Code removal/surgical ablation of single or multiple liver metastases under the data item Surgery of Other Regional Site(s), Distant Site(s) or Distant Lymph Node(s).

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser
No specimen sent to pathology from this surgical event.
20 Local tumor excision, NOS (**with pathology specimen**)
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy

Specimen sent to pathology from this surgical event.

Procedures coded 30-31 include, but are not limited to: Appendectomy (for an appendix primary only); Enterocolectomy; Ileocolectomy; Partial colectomy, NOS; Partial resection of transverse colon and flexures; Segmental resection, e.g., cecectomy; Sigmoidectomy

30 Partial colectomy, but less than hemicolectomy
31 Partial colectomy **with** permanent colostomy (Hartmann's operation)

Also code colostomy in the data item Reconstruction/Restoration.

40 Hemicolectomy or greater (but less than total); right or left colectomy
A hemicolectomy is the removal of total right or left colon and a portion of transverse colon.
50 Total colectomy

Removal of colon from cecum to the rectosigmoid or a portion of the rectum.

60 Total proctocolectomy

Commonly used for familial polyposis or polyposis coli.

70 Colectomy or coloproctectomy **with** an en bloc resection of other organs; pelvic exenteration

Code 70 includes any colectomy (partial, hemicolectomy, or total) **with** an en bloc resection of any other organs. The other organs may be partially or totally removed. Procedures that may be a **part of an en bloc resection** include, but are not limited to: oophorectomy, partial proctectomy, rectal mucosectomy **En bloc** resection is the removal of organs in one piece at one time.

The creation of ileal reservoir which is a part of a pelvic exenteration **must also be coded** in the data item Reconstruction/Restoration.

80 Colectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The pathology report often describes regional lymph nodes by their anatomic location: colic nodes; mesenteric nodes; peri-\epi-\para-\ colic. Regional lymph nodes differ for each anatomical subsite. The following list identifies the regional lymph nodes for each subsite of the colon:	
Cecum and appendix	Anterior cecal Ileocolic Posterior cecal Right colic
Ascending colon	Ileocolic Middle colic Right colic
Hepatic flexure	Middle colic Right colic
Transverse colon	Middle colic

Splenic flexure	Inferior mesenteric Middle colic, left colic
Descending colon	Inferior mesenteric Left colic Sigmoid
Sigmoid colon	Inferior mesenteric Sigmoid mesenteric Sigmoidal Superior rectal(hemorrhoidal)

Superior mesenteric, external iliac and common iliac nodes are distant lymph nodes. **Code** the removal of any of these nodes in the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S), OR DISTANT LYMPH NODE(S)

DO NOT CODE the incidental removal of appendix, gallbladder, bile ducts, or spleen. Incidental removal is when an organ is removed for a reason unrelated to the malignancy (gallbladder removed for obvious cholelithiasis).

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Removal of other regional site(s), **only**
  3 Removal/surgical ablation of single liver metastasis
  4 Removal/surgical ablation of multiple liver metastases
  5 Combination of codes 2 and 3 or 2 and 4

- 6 Removal of other distant site(s) or distant lymph node(s), **only**
- 7 Combination of code 6 **with** 3 or 5
- 8 Combination of code 6 **with** 4

9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Do not code anastomosis as reconstruction.

Codes

0 No reconstruction/restoration
1 Colostomy (permanent)
2 Ileostomy, NOS
- 3 **without** a reservoir or pouch
- 4 **with** an abdominal reservoir or pouch
- 5 **with** an anal reservoir or pouch; artificial sphincter

9 Unknown; not stated; death certificate **only**

RECTOSIGMOID
C19.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS (includes laparoscopic)
4 Open, NOS
- 5 Transanal
- 6 Posterior; coccygeal; trans-sacral; abdominosacral
- 7 Low anterior (LAR)
- 8 Abdominal perineal (AP)

9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser ablation

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)

21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy

Specimen sent to pathology from this surgical event.

Procedures coded 30 include, but are not limited to: Anterior resection; Hartmann's operation; Low anterior resection; Partial colectomy, NOS; Rectosigmoidectomy, NOS; Sigmoidectomy.

30 Wedge or segmental resection; partial proctosigmoidectomy, NOS

Also code the colostomy the in the data item Reconstruction/Restoration.

Procedures coded 40 include but are not limited to: Altemeier's operation; Duhamel's operation; Soave's submucosal resection; Swenson's operation; Turnbull's operation.

40 Pull through **with** sphincter preservation (colo-anal anastomosis)

Procedures coded 50 include but are not limited to: Abdominoperineal resection (A & P resection); Anterior/posterior resection (A/P resection)/Miles' operation; Rankin's operation

50 Total proctectomy
51 Total colectomy

Removal of the colon from cecum to the rectosigmoid or a portion of the rectum

60 Combination of 50 and 51
70 Colectomy or proctocolectomy **with** an en bloc resection of other organs; pelvic exenteration

En bloc resection is the removal of organs in one piece at one time. Procedures that may be a part of an en bloc resection include, but are not limited to: an oophorectomy and a rectal mucosectomy. Code 70 includes any colectomy (partial, hemicolectomy, or total) **with** an en bloc resection of any other organs. The other organs may be partially or totally removed.

An **ileal reservoir** which is part of a pelvic exenteration should be coded in the data item Reconstruction/Restoration.

80 Colectomy, NOS; Proctectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement

5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The pathology report often identifies regional lymph nodes by their anatomic location: colic; mesenteric; peri-/para-/ colic; perirectal; rectal.

The specific regional lymph nodes are:

Inferior mesenteric
Left colic
Middle rectal (hemorrhoidal)
Perirectal
Sigmoid mesenteric
Sigmoidal
Superior rectal (superior hemorrhoidal)

Superior mesenteric, external iliac and common iliac nodes are distant nodes. Code removal of these nodes under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S), OR DISTANT LYMPH NODE(S)

DO NOT CODE the incidental removal of appendix, gallbladder, or bile ducts. Incidental removal is when an organ is removed for a reason unrelated to the malignancy (gallbladder removed for obvious cholelithiasis).

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Removal of other regional site(s), **only**
  3 Removal/surgical ablation of single liver metastasis
  4 Removal/surgical ablation of multiple liver metastases
  5 Combination of codes 2 and 3 or 2 and 4
  6 Removal of other distant site(s) or distant lymph node(s), **only**
  7 Combination of code 6 **with** 3, 4 or 5
  8 Combination of code 6 **with** 3 or 5
9 Unknown; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Colostomy (permanent)
2 Ileostomy, NOS
  3 **without** a reservoir or pouch
  4 **with** an abdominal reservoir or pouch
  5 **with** an anal reservoir or pouch; artificial sphincter
9 Unknown; not stated; death certificate **only**

RECTUM
C20.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS (includes laparoscopy)
4 Open, NOS
  5 Transanal (Kraske, York Mason)
  6 Posterior; coccygeal; trans-sacral; abdominosacral
  7 Low anterior (LAR)
  8 Abdominal perineal (AP)
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

CODE removal/surgical ablation of single or multiple liver metastases under the data item Surgery of Other Regional Site(s), Distant Site(s) or Distant Lymph Node(s).

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)

11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy
28 Curette and fulguration

Specimen sent to pathology from this surgical event.

Procedures coded 30 include, but are not limited to: Anterior resection; Hartmann's operation; Low anterior resection (LAR); Trans sacral rectosigmoidectomy.

30 Wedge or segmental resection; partial proctectomy, NOS

Procedures coded 40 include but are not limited to: Altemeier's operation; Duhamel's operation; Soave's submucosal resection; Swenson's operation; Turnbull's operation.

40 Pull through **with** sphincter preservation (colo-anal anastomosis)

Procedures coded 50 include but are not limited to: Abdominoperineal resection (A & P resection); Anterior/Posterior (A/P) resection/Miles' operation; Rankin's operation

50 Total proctectomy
60 Total proctocolectomy, NOS
70 Proctectomy or proctocolectomy **with** an en bloc resection of other organs; pelvic exenteration

En bloc resection is the removal of organs in one piece at one time. The creation of an ileal reservoir, which is a part of a pelvic exenteration, should be coded in the data item Reconstruction/Restoration.

80 Proctectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement
5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site

9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The pathology report often identifies regional lymph nodes by their anatomic location: mesenteric nodes; perirectal nodes; rectal nodes. **The specific regional lymph nodes are:**
Inferior rectal (hemorrhoidal) Inferior mesenteric Internal iliac Lateral sacral Middle rectal (hemorrhoidal) Perirectal Presacral Sacral promontory (Gerotas) Sigmoid mesenteric Superior rectal (hemorrhoidal)

Superior mesenteric, external iliac and common iliac nodes are classified as distant lymph nodes. **Code** removal of these nodes under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S), OR DISTANT LYMPH NODE(S)

DO NOT CODE style="font-weight: normal;">the incidental removal of appendix, gallbladder, bile ducts, or spleen. Incidental removal is when an organ is removed for a reason unrelated to the malignancy (gallbladder removed for obvious cholelithiasis).

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Removal of other regional site(s), **only**
  3 Removal/surgical ablation of single liver metastasis
  4 Removal/surgical ablation of multiple liver metastases
  5 Combination of codes 2 with 3 or 2 with 4
  6 Removal of other distant site(s) or distant lymph node(s), **only**
  7 Combination of code 6 **with** 3, 4 or 5
  8 Combination of code 6 **with** 3 or 5
9 Unknown; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Colostomy (permanent)
2 Ileostomy, NOS
  3 **without** a reservoir or pouch
  4 **with** an abdominal reservoir or pouch
  5 **with** an anal reservoir or pouch; artificial sphincter
9 Unknown; not stated; death certificate **only**

ANUS
C21.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
Procedures for codes 10-14 include, but are not limited to: Cryosurgery; Electrocautery; Excisional biopsy; Laser; Thermal ablation.
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor

destruction)
13 Cryosurgery
14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy

Specimen sent to pathology from this surgical event. Margins of resection may have microscopic involvement.

60 Abdominal perineal resection, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement
5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
2 Perirectal, anorectal lymph nodes
3 Internal iliac lymph nodes (hypogastric), unilateral
4 Inguinal lymph nodes, unilateral
5 Combination of 2 and 4
6 Bilateral internal iliac and/or bilateral inguinal lymph nodes
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed

95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Colostomy (permanent)
2 Ileostomy, NOS
  3 **without** a reservoir or pouch
  4 **with** an abdominal reservoir or pouch
  5 **with** an anal reservoir or pouch; artificial sphincter
9 Unknown; not stated; death certificate **only**

LIVER AND INTRAHEPATIC BILE DUCTS
C22.0-C22.1

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy **only**, NOS (laparoscopy)
  2 Not image guided
  3 Image guided
4 Open, NOS
  Not assisted by endoscopy
  Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Alcohol (PEI)
- 16 Heat
- 17 Other (ultrasound, acetic acid)

20 Wedge resection, NOS; segmental resection
30 Lobectomy, NOS
- 31 Simple
- 32 Extended

Extended lobectomy: resection of a single lobe plus a segment of another lobe.

40 Excision of a bile duct (for an intrahepatic bile duct primary only)
70 Total hepatectomy with transplant

Liver transplant must also be coded under the data item Reconstruction/Restoration.

80 Hepatectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional lymph nodes are the hilar nodes:
Along the portal vein Along the inferior vena cava Along the proper hepatic artery At the hepatic pedicle

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s) (includes inferior phrenic lymph nodes)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Rioux en Y; hepatojejunostomy including stent
2 Liver transplant
9 Unknown; not stated; death certificate **only**

PANCREAS

C25.0-25.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS (laparoscopy)

- 2 Not image guided
- 3 Image guided

4 Open, NOS
- 5 Not assisted by endoscopy
- 6 Assisted by endoscopy

9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local excision of tumor, NOS
20 Partial pancreatectomy, NOS
40 Total pancreatectomy
50 Local or partial pancreatectomy and duodenectomy
- 51 Without subtotal gastrectomy
- 52 With subtotal gastrectomy (Whipple)

60 Total pancreatectomy and subtotal gastrectomy or duodenectomy
70 Extended pancreatoduodenectomy
80 Pancreatectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Celiac (head only) Hepatic artery Infrapyloric (head only) Lateral aortic Pancreaticolienal (body and tail only) Peripancreatic (superior, inferior, anterior, posterior splenic) Retroperitoneal Splenic (body and tail only) Subpyloric (head only) Superior mesenteric

Codes

0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 2 Extended lymphadenectomy

An extended pancreaticoduodenectomy incorporates selected aspects

of the Whipple procedure and regional pancreatectomy. A wide Kocher maneuver removes all lymphatic tissue over the medical aspect of the right kidney, inferior vena cava, and left renal vein.

9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Removal of other regional sites, **only**
  3 Removal of distant node(s)
  4 Removal of distant site
  5 Combination of 2 **with** 3 and/or 4
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

9 Not applicable (There are no known reconstructive procedures for this site.)

LARYNX
C32.0-C32.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
  14 Laser
  15 Stripping

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy
  27 Excisional biopsy
  28 Stripping

Specimen sent to pathology from this surgical event.

30 Partial excision of the primary site, NOS; subtotal/partial laryngectomy NOS; hemilaryngectomy NOS
  31 Vertical laryngectomy
  32 Anterior commissure laryngectomy
  33 Supraglottic laryngectomy
40 Total or radical laryngectomy, NOS
  41 Total laryngectomy **only**
  42 Radical laryngectomy **only**
50 Pharyngolaryngectomy
80 Laryngectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margin involved, NOS
  2 Microscopic involvement

5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional cervical lymph nodes are:
Buccal (facial) Caudal jugular (deep cervical) Cranial jugular (deep cervical) Dorsal cervical (superficial cervical) Medial jugular (deep cervical) Occipital Paratracheal (anterior cervical) Parotid Prelaryngeal (anterior cervical) Retroauricular (mastoid, posterior auricular) Retropharyngeal Submandibular (submaxillary) Submental Supraclavicular

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
2 Neck dissection, NOS
3 Selective, limited; nodal sampling; "berry picking"
4 Modified/modified radical
5 Radical
9 Unknown; not stated; death certificate **only**

Terminology of neck dissection (Robbins et al. 1991): A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle. In a modified radical neck dissection the same lymph nodes are removed as in a radical neck dissection; however, one or more nonlymphatic structures are preserved. A selective neck dissection preserves one or more lymph node groups routinely removed in radical neck dissection.

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of

lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Flaps, grafts, or any "plastys," NOS
  2 **without implant/prosthesis**
  3 **with implant/prosthesis**
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

LUNG
C34.0-C34.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Bronchoscopy
  3 Mediastinoscopy
  4 Thoracoscopy
5 Open, NOS (thoracotomy, sternotomy)
  6 Not assisted by endoscopy
  7 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction or excision, NOS
- 11 Excision
- 12 Laser ablation or excision
- 13 Cautery; fulguration
- 14 Bronchial sleeve resection **only**

20 Resection of less than one lobe
- 21 Wedge resection
- 22 Segmental resection, including lingulectomy

30 Resection of at least one lobe, but less than the whole lung (partial pneumonectomy, NOS)
- 31 Lobectomy
- 32 Bilobectomy

Procedures coded 40 include, but are not limited to: Complete pneumonectomy; Pneumonectomy, NOS; Sleeve pneumonectomy; Standard pneumonectomy; Total pneumonectomy.

40 Resection of whole lung
50 Resection of lung **with** an en bloc resection of other organs
- 51 Wedge resection
- 52 Lobectomy
- 53 Bilobectomy
- 54 Pneumonectomy (less than a radical or extended pneumonectomy)

  En bloc resection is the removal of organs in one piece at one time.

60 Radical pneumonectomy

Radical pneumonectomy is a complete pneumonectomy **with** removal of mediastinal lymph nodes. Removal of mediastinal nodes is also coded in the data fields Scope of Regional Lymph Node Surgery and Number of Regional Lymph Nodes Removed.

70 Extended radical pneumonectomy

An extended radical pneumonectomy is a radical pneumonectomy (including removal of mediastinal nodes) and the removal of other tissues or nodes. Removal of mediastinal nodes is also coded in the data fields Scope of Regional Lymph Node Surgery and Number of Regional Lymph Nodes Removed.

80 Resection of lung, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Mediastinal nodes are:
Aortic (includes subaortic, aorticopulmonary window, periaortic, including ascending aorta or including azygos) Periesophageal Peritracheal (including those that may be designated tracheobronchial, i.e., lower peritracheal, phrenic) Pre- and retrotracheal (includes precarinal) Pulmonary ligament Subcarinal

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional sites, distant sites or distant lymph nodes
1 Surgery to other site(s)or node(s), NOS; unknown if regional or distant
2 Surgery to a regional site **only**
  3 Removal of a solitary lesion in the same lung (primary site), different (non primary) lobe

  There is one primary. Patient has two tumors with the same histology in different lobes of the same lung.

4 Resection of metastasis in a distant site(s) or resection of distant lymph nodes(s), NOS
  5 Removal of a solitary lesion in the contralateral lung

  Patient has one primary. There is a primary tumor or tumor(s) in one

lung and a solitary metastatic lesion in the contralateral lung.

6 Removal of a solitary lesion in a distant site or a distant lymph node, NOS

This includes, but is not limited to the removal of a solitary metastatic brain lesion.

7 Removal of multiple lesions in distant site(s)

9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Chest wall reconstruction/restoration, NOS
9 Unknown; not stated; death certificate **only**

BONES, PERIPHERAL NERVES, & SOFT TISSUES

Bones, Joints, and Articular Cartilage C40.0-C41.9, Peripheral Nerves and Autonomic Nervous System C47.0-C47.9, Connective, Subcutaneous and Other Soft Tissues C49.0-C49.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction or excision
20 Partial resection/internal hemipelvectomy (pelvis)
30 Radical excision or resection of lesion with limb salvage
40 Amputation of limb
  41 Partial amputation of limb
  42 Total amputation of limb
50 Major amputation, NOS
  51 Forequarter, including scapula
  52 Hindquarter, including ilium/hip bone
  53 Hemipelvectomy

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  5 Distant lymph node(s)
  6 Distant site(s)
  7 Combination of 6 **with** 2 or 5
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Flap, graft, or any "plasty," NOS
  2 without implant/prosthesis
  3 with implant/prosthesis
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

SPLEEN AND LYMPH NODES
Spleen C42.2
Lymph Nodes C77.0-C77.9

SURGICAL APPROACH

Codes

0 None; no cancer directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local excision, destruction, NOS
20 Splenectomy, NOS
  21 Partial splenectomy
  22 Total splenectomy
30 Lymph node dissection, NOS
  31 One chain
  32 Two or more chains
40 Lymph node dissection, NOS plus splenectomy
  41 One chain
  42 Two or more chains
50 Lymph node dissection, NOS and partial/total removal of adjacent organ(s)
  51 One chain
  52 Two or more chains
60 Lymph node dissection, NOS and partial/total removal of adjacent organ(s) **plus** splenectomy
  61 One chain
  62 Two or more chains
90 Surgery, NOS

99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Note: For primary sites C77.0-C77.9, code this field as 9.

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Note: Spleen only. For lymphomas, code this field to 99.

Codes

00	No regional lymph nodes removed
01	One regional lymph node removed
02	Two regional lymph nodes removed
..	
Ninety or more regional lymph nodes removed	
95	No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96	Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97	Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98	Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99	Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  5 Distant lymph node(s)
  6 Distant site(s)
  7 Combination of 6 **with** 2 or 5
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

9 At this time, reconstructive procedures are not being collected for these sites

---

SKIN
C44.0-C44.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open approach
9 Death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS **(without pathology specimen)**
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
  14 Laser ablation

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy
  27 Excisional biopsy

Specimen sent to pathology from this surgical event.

30 Biopsy of primary tumor followed by a gross excision of the lesion
- 31 Shave biopsy followed by a gross excision of the lesion
- 32 Punch biopsy followed by a gross excision of the lesion
- 33 Incisional biopsy followed by a gross excision of the lesion

Less than a wide excision, less than 1 cm margin.

40 Wide excision or reexcision of lesion or minor (local) amputation, NOS

Margins of excision are 1 cm or more. Margins may be microscopically involved. Local amputation is the surgical resection of digits, ear, eyelid, lip, or nose.

50 Radical excision of a lesion, NOS

Margins of excision are greater than 1 cm and grossly tumor free. The margins may be microscopically involved.

60 Major amputation, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional lymph nodes are different for each anatomical subsite.

Head, neck	Cervical, ipsilateral preauricular, submandibular, and supraclavicular
Thorax	Ipsilateral axillary
Arm	Ipsilateral epitrochlear and axillary
Abdomen, loins, and buttocks	Ipsilateral inguinal
Anal margin and perianal skin	Ipsilateral inguinal
Leg	Ipsilateral inguinal and popliteal

There are **boundary zones between the subsites** (i.e., between the thorax and arm, the boundary zone is the shoulder and axilla). The boundary zones do not belong to either subsite. If a tumor originates in one of these 4 cm boundary zones, the nodes on either side of the bands are regional.

BETWEEN THE SUBSITES		THE BOUNDARY ZONE IS
Head and neck AND	Thorax	Clavicula-acromion-upper shoulder blade edge
Thorax AND	Arm	Shoulder-axilla-shoulder
Thorax AND	Abdomen, loins, and buttocks	Front: Middle between navel and costal arch Back: Lower border of thoracic vertebrae (midtransverse axis)
Abdomen, loins, and buttock AND	Leg	Groin-trochanter-gluteal sulcus
Right AND	Left	Midline

Iliac, other pelvic, abdominal or intrathoracic lymph nodes are distant. Code the removal of these nodes under the data item, Surgery of Other Regional Site(s), Distant Site(s), or Distant Node(s).

Codes

0 No regional lymph nodes removed
1 Sentinel node, NOS

A sentinel node is the first node to receive drainage from a primary tumor. It is identified by an injection of a dye or radio label at the site of the primary tumor

2 Regional lymph nodes removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 >Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Pedicle flap, free flap, skin graft, NOS
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

BREAST

C50.0-C50.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open approach, NOS
  5 **without dye or needle localization**
  6 **with dye or needle localization**
9 Death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site

Procedures coded as 10-17 remove the gross primary tumor and some of the breast tissue (breast conserving or preserving). There may be microscopic residual tumor.

10 Partial mastectomy, NOS; less than total mastectomy, NOS
  11 Nipple resection
  12 Lumpectomy or excisional biopsy
  13 Reexcision of the biopsy site (usually for gross or microscopic residual disease)
  14 Wedge resection
  15 Quadrantectomy
  16 Segmental mastectomy
  17 Tylectomy
30 Subcutaneous mastectomy

A subcutaneous mastectomy is the removal of breast tissue without the nipple and areolar complex or overlying skin. **This procedure is rarely performed to treat malignancies**.

40 Total (simple) mastectomy, NOS
- 41 **without** removal of uninvolved contralateral breast
- 42 **with** removal of uninvolved contralateral breast

A simple mastectomy removes all breast tissue, the nipple, and areolar complex. An axillary dissection is not done. For single primaries only, code removal of involved contralateral breast under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

50 Modified radical mastectomy
- 51 **without** removal of uninvolved contralateral breast
- 52 **with** removal of uninvolved contralateral breast

Removes all breast tissue, the nipple, the areolar complex, and variable amounts of breast skin. The procedure involves an en bloc resection of the axilla. The specimen may or may not include a portion of the pectoralis major muscle. Includes an en bloc axillary dissection. For single primaries only, code removal of involved contralateral breast under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

60 Radical mastectomy, NOS
- 61 **without** removal of uninvolved contralateral breast
- 62 **with** removal of uninvolved contralateral breast

Removal of breast tissue, nipple, areolar complex, a variable amount of skin, pectoralis minor, and pectoralis major. Includes an en bloc axillary dissection. For single primaries only, code removal of involved contralateral breast under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

70 Extended radical mastectomy
- 71 **without** removal of uninvolved contralateral breast
- 72 **with** removal of uninvolved contralateral breast

Removal of breast tissue, nipple, areolar complex, variable amounts of skin, pectoralis minor, and pectoralis major. Includes removal of internal mammary nodes and an en bloc axillary dissection. For single primaries only, code removal of involved contralateral breast under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

80 Mastectomy, NOS

90 Surgery, NOS

99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Since the codes are hierarchical, if more than one code is applicable, use the numerically higher code. For example, if multiple margins are microscopically and macroscopically involved, code the macroscopic involvement(s).

Multiple margins are two separate margins, both of which are microscopically involved with tumor**. Do not code** multiple margins (4) if **one margin** has multiple foci of tumor.

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
    3 Single margin
    4 Multiple margins
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Codes

0 No regional lymph nodes removed
1 Sentinel lymph node(s) removed

A sentinel node is the first node to receive drainage from a primary tumor. It is identified by an injection of a dye or radio label at the site of the primary tumor

2 Regional lymph node(s) removed, NOS; axillary, NOS (Levels I, II, or III lymph nodes) Intramammary, NOS
  3 Combination of 1 and 2
  4 Internal mammary
  5 Combination of 4 **with** any of 1-3
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Do not code removal of fragments or tags of muscles; removal of the pectoralis minor; the resection of pectoralis muscles, NOS; or the resection of fascia with no mention of muscle.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)
    5 Removal of involved contralateral breast (single primary only)
  6 Combination of 4 or 5 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

The insertion of a tissue expander is often the beginning of the reconstructive procedure.

Codes

0 No reconstruction/restoration
1 Reconstruction, NOS (unknown if flap)
  2 Implant; reconstruction **without** flap
  3 Reconstruction **with** flap, NOS
    4 Latissimus dorsi flap
    5 Abdominus recti flap
    6 Flap, NOS + implant
    7 Latissimus dorsi flap + implant
    8 Abdominus recti + implant
9 Unknown; not stated; death certificate **only**

CERVIX UTERI
C53.0-C53.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Vaginal, NOS
  2 Not assisted by endoscopy
  3 Assisted by colposcopy
  4 Assisted by laparoscopy
5 Open, NOS
  6 Not assisted by endoscopy
  7 Assisted by endoscopy
0 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

For invasive cancers, dilation and curettage is coded as an incisional biopsy (02) under the data item Non-Cancer-Directed Surgery.

Code

00 None; no cancer-directed surgery of primary site

10 Local tumor destruction, NOS **(without pathology specimen)**

- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 LEEP

No specimen sent to pathology from this surgical event.

20 Local tumor destruction or excision, NOS (**with pathology specimen**)

- 21 Electrocautery
- 22 Cryosurgery
- 23 Laser
- 24 Cone biopsy **with** gross excision of lesion
- 25 Dilatation and curettage; endocervical curettage (cancer-directed for in situ only)
- 26 Excisional biopsy, NOS
- 27 Cone biopsy
- 28 LEEP
- 29 Trachelectomy; removal of cervical stump; cervicectomy

Specimen sent to pathology from this surgical event.

30 Total hysterectomy (simple, pan) **without** removal of tubes and ovaries

Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.

40 Total hysterectomy (simple, pan) **with** removal of tubes or ovary

Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.

50 Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy

- 51 Modified radical hysterectomy
- 52 Extended hysterectomy
- 53 Radical hysterectomy; Wertheim's procedure
- 54 Extended radical hysterectomy

60 Hysterectomy, NOS, **with** or **without** removal of tubes and ovaries

- 61 **without** removal of tubes and ovaries
- 62 **with** removal of tubes and ovaries

70 Pelvic exenteration

- 71 Anterior exenteration

Includes bladder, distal ureters, and genital organs **with** their ligamentous attachments and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

- 72 Posterior exenteration

Includes rectum and rectosigmoid **with** ligamentous attachments

and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

73 Total exenteration

Includes removal of all pelvic contents and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

74 Extended exenteration

Includes pelvic blood vessels or bony pelvis

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Common iliac External iliac Hypogastric (obturator) Internal iliac Paracervical Parametrial Presacral Sacral

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed

95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Do not code the incidental removal of an appendix. **Do not code** an omentectomy **if** it was the only surgery performed in addition to hysterectomy. Incidental removal is when an organ is removed for a reason unrelated to the malignancy.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s), NOS
    4 Periaortic lymph nodes
  5 Distant site(s)
  6 Combinations of 5 with 4
  7 Combination of 5 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Vaginal reconstruction
2 Urinary reconstruction
3 Bowel reconstruction/restoration
4 Combination of 3 with 1 or 2
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

CORPUS UTERI
Corpus uteri C54.0-C54.9, Uterus NOS C55.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Vaginal, NOS

2 Not assisted by endoscopy
3 Assisted by colposcopy
4 Assisted by laparoscopy
5 Open, NOS
6 Not assisted by endoscopy
7 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

For invasive cancers, dilation and curettage is coded as an incisional biopsy (02) under the data item Non-Cancer-Directed Surgery.

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS **(without pathology specimen)**
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser
15 LEEP

No specimen sent to pathology from this surgical event.

Procedures in code 20 include but are not limited to: Cryosurgery; Electrocautery ; Excisional biopsy ; Laser ablation; Thermal ablation.

20 Local tumor destruction or excision, NOS; simple excision, NOS **with pathology specimen**
21 Electrocautery
22 Cryosurgery
23 Laser
24 Excisional biopsy
25 Polypectomy
26 Myomectomy

Specimen sent to pathology from this surgical event. Margins of resection may have microscopic involvement.

30 Subtotal hysterectomy/supracervical hysterectomy/fundectomy **with** or **without** removal of tube(s) and ovary(ies).
31 **without** tube(s) and ovary(-ies)
32 **with** tube(s) and ovary(-ies)

Cervix left in place.

40 Total hysterectomy (simple, pan) **without** removal of tube(s) and ovary(-ies)

Removes both the corpus and cervix uteri. It may also include a portion of the vaginal cuff.

50 Total hysterectomy (simple, pan) **with** removal of tube(s) or ovary(-ies)

Removes both the corpus and cervix uteri. It may also include a portion of

the vaginal cuff.

60 Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy
- 61 Modified radical hysterectomy
- 62 Extended hysterectomy
- 63 Radical hysterectomy; Wertheim's procedure
- 64 Extended radical hysterectomy

70 Hysterectomy, NOS, **with** or **without** removal of tube(s) and ovary(-ies)
- 71 **without** removal of tube(s) and ovary(-ies)=
- 72 **with** removal of tube(s) and ovary(-ies)

80 Pelvic exenteration
- 81 Anterior exenteration

  Includes bladder, distal ureters, and genital organs **with** their ligamentous attachments and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

- 82 Posterior exenteration

  Includes rectum and rectosigmoid **with** ligamentous attachments and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

- 83 Total exenteration

  Includes removal of all pelvic contents and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

- 84 Extended exenteration

  Includes pelvic blood vessels or bony pelvis

90 Surgery, NOS

99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative

1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented

8 No cancer-directed surgery of primary site

9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Common iliac and external iliac Hypogastric (obturator) Para aortic Parametrial

Sacral

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
  2 Pariaortic with or without other regional lymph nodes
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Do not code the incidental removal of an appendix. **Do not code** an omentectomy **if** it was the only surgery performed in addition to hysterectomy. Incidental removal is when an organ is removed for a reason unrelated to the malignancy.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s), NOS
    4 Periaortic lymph nodes
  5 Distant site(s)
  6 Combinations of 5 with 4
  7 Combination of 5 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Vaginal reconstruction
2 Urinary reconstruction
3 Bowel reconstruction/restoration

4 Combination of 3 with 1 or 2
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

OVARY
C56.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS (laparoscopy)
  2 Not image guided
  3 Image guided

Open approaches include, but are not limited to: Low transverse abdominal incision; Vertical abdominal incision.

4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endosopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Total removal of tumor or (single) ovary, NOS
  11 Resection of ovary (wedge, subtotal, or partial) **only**, NOS; unknown if hysterectomy done
    12 **without** hysterectomy
    13 **with** hysterectomy
  14 Unilateral (salpingo) oophorectomy; unknown if hysterectomy done
    15 **without**hysterectomy
    16 **with**hysterectomy
20 Bilateral (salpingo) oophorectomy; unknown if hysterectomy done
  21 **without** hysterectomy
  22 **with** hysterectomy
30 Unilateral or bilateral (salpingo) oophorectomy **with omentectomy**, NOS; partial or total; unknown if hysterectomy done
  31 **without** hysterectomy
  32 **with**hysterectomy
60 Debulking; cytoreductive surgery, NOS
  61 **with** colon (including appendix) and/or small intestine resection (not incidental)
  62 **with** partial resection of urinary tract (not incidental)
  63 Combination of 61 and 62

Debulking is a partial removal of the tumor mass and can involve the removal of multiple organ sites. It may include removal of ovaries and/or the uterus (a hysterectomy). The pathology report

may or may not identify ovarian tissue. A debulking is usually followed by another treatment modality such as chemotherapy.

70 Pelvic exenteration, NOS

71 Anterior

Includes bladder, distal ureters, and genital organs **with** their ligamentous attachments and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

72 Posterior

Includes rectum and rectosigmoid **with** ligamentous attachments and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

73 Total

Includes removal of all pelvic contents and pelvic lymph nodes. The removal of pelvic lymph nodes is also coded under the data item Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s).

74 Extended

Includes pelvic blood vessels or bony pelvis.

80 (Salpingo) oophorectomy, NOS

90 Surgery, NOS

99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

For this site only, this field will describe the residual tumor burden after cancer-directed surgery.

Codes

0 No visible residual tumor

1 Visible residual tumor, NOS

- 2 Visible residual tumor, cumulative maximum of less than 1 cm
- 3 Visible residual tumor, cumulative maximum of at least 1 cm, not more than 2 cm
- 4 Visible residual tumor, cumulative maximum of more than 2 cm

8 No cancer directed surgery of primary site

9 Unknown whether visible residual tumor was present; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Common iliac External iliac Hypogastric (obturator) Inguinal Lateral sacral Paraaortic Pelvic, NOS

Retroperitoneal, NOS

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Do not code an incidental removal of the appendix. Incidental removal is when an organ is removed for a reason unrelated to the malignancy.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Urinary reconstruction
2 Bowel reconstruction/restoration
3 Combination of 1 and 2
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

PROSTATE
C61.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS (transurethral)
2 Laparoscopic, NOS
3 Open, NOS
  4 Suprapubic
  5 Perineal
  7 Trans-sacral
  8 Retropubic

Code the approach for radical prostatectomy as retropubic unless otherwise specified.

9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction or excision, NOS
  11 Transurethral resection (TURP), NOS
    12 TURP cancer is incidental finding during surgery for benign disease
    13 TURP patient has suspected/known cancer
  14 Cryoprostatectomy
  15 Laser
  16 Hyperthermia
  17 Other method of local resection or destruction
30 Subtotal or simple prostatectomy, NOS

A segmental resection or enucleation leaving the capsule intact.

40 Less than total prostatectomy, NOS

An enucleation using an instrument such as a Vapotrode which may leave all or part of the capsule intact.

50 Radical prostatectomy, NOS; total prostatectomy, NOS

Excised prostate, prostatic capsule, ejaculatory ducts, seminal vesicle(s) and may include a narrow cuff of bladder neck.

70 Prostatectomy **with** en bloc resection of other organs; pelvic exenteration

Surgeries coded 70 are any prostatectomy **with** an en bloc resection of any other organs. The other organs may be partially or totally removed. **En bloc resection** is the removal of organs in one piece at one time. Procedures that may involve an en bloc resection include, but are not limited to: cystoprostatectomy, radical cystectomy and prostatectomy.

80 Prostatectomy, NOS

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

The codes are hierarchical, if more than one code is applicable, use the numerically higher code. For example, if multiple margins are microscopically and macroscopically involved, code the macroscopic involvement (5).

Multiple margins are two separate margins, both of which are microscopically involved with tumor. **DO NOT CODE** multiple margins (4) if one margin has multiple foci of tumor.

Codes

0 All margins grossly and microscopically negative
1 Margin(s) involved, NOS
  2 Microscopic involvement
    3 Single margin
    4 Multiple margins
  5 Macroscopic involvement, NOS
7 Margins not documented (TURP)
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Hypogastric Iliac, NOS (internal and external) Obturator Pelvic, NOS Periprostatic Sacral, NOS (lateral presacral, promontory [Gerota's] or NOS)

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated

98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

DO NOT CODE orchiectomy. For prostate primaries, code orchiectomies under Hormone Therapy.

The most commonly removed distant lymph nodes are: aortic (para-aortic, peri-aortic, lumbar), common iliac, inguinal, superficial inguinal (femoral), supraclavicular, cervical, and scalene.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Reconstruction/restoration, NOS
  2 Collagen injection for incontinence
  3 Penile prosthesis
  4 Artificial urinary sphincter
  5 Combinations of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

TESTIS
C62.0-C62.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open, NOS
  5 Scrotal
  6 Inguinal
9 Death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local or partial excision of testicle
30 Excision of testicle, NOS **without** cord
40 Excision of testicle, NOS **with** cord/or cord not mentioned
80 Orchiectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Interaortocaval Paraaortic (Periaortic) Paracaval Preaortic Precaval Retroaortic Retrocaval

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral
  2 Unilateral regional lymph nodes
  3 Bilateral regional lymph nodes
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes

unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Testicular implant
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

KIDNEY, RENAL PELVIS & URETER
Kidney C64.9, Renal Pelvis C65.9, Ureter C66.9

SURGICAL APPROACH

Codes

0 None; no cancer directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS (**without pathology specimen**)
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

13 Cryosurgery
14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**)
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
26 Polypectomy
27 Excisional biopsy

Specimen sent to pathology from this surgical event.

Procedures coded 30 include, but are not limited to: Cryosurgery; Electrocautery; Excisional biopsy; Laser; Segmental resection; Thermal ablation; Wedge resection.

30 Partial or subtotal nephrectomy (kidney or renal pelvis) or partial ureterectomy (ureter)

Margins of resection are grossly negative. There may be microscopic involvement

40 Complete/total/simple nephrectomy for kidney parenchyma
Nephroureterectomy

Includes bladder cuff for renal pelvis or ureter

50 Radical nephrectomy

May include removal of a portion of vena cava, adrenal gland(s), Gerota's fascia, perinephric fat, or partial/total ureter

70 Any nephrectomy (simple, subtotal, complete, partial, simple, total, radical) **plus** an en bloc resection of other organ(s) (colon, bladder)

The other organs, such as colon or bladder, may be partially or totally removed.

80 Nephrectomy, NOS
Ureterectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
2 Microscopic involvement
5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are	
Kidney	Aortic (para-aortic, periaortic, lateral aortic) Paracaval Renal hilar Retroperitoneal, NOS
Renal pelvis	Aortic Paracaval Renal hilar Retroperitoneal, NOS
Ureter	Iliac (common, internal [hypogastric], external) Paracaval Pelvic, NOS Periureteral Renal hilar

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral
  2 Unilateral regional lymph nodes
  3 Bilateral regional lymph nodes
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

DO NOT CODE the incidental removal of ribs during the operative approach.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)

5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Kidney transplant (primary site)
8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

BLADDER
C67.0-C67.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Cystoscopy (TURB)
  3 Laparoscopy
4 Open, NOS
  5 Not assisted by endoscopy (laparoscopy)
  6 Assisted by endoscopy (laparoscopy)
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS **(without pathology specimen)**
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
  14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS **with pathology specimen**)
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy
  27 Excisional biopsy (TURB)

Specimen sent to pathology from this surgical event.

30 Partial cystectomy
50 Simple/total/complete cystectomy
60 Radical cystectomy (male only)

This code is used only for men. It involves the removal of bladder and prostate, with or without urethrectomy. If a radical cystectomy is the procedure name for a woman, use code 71.

70 Pelvic exenteration, NOS
- 71 Radical cystectomy (female only); anterior exenteration
  A radical cystectomy in a female includes removal of bladder, uterus, ovaries, entire vaginal wall and entire urethra.
- 72 Posterior exenteration
- 73 Total exenteration

  Includes removal of all pelvic contents and pelvic lymph nodes.

- 74 Extended exenteration

  Includes pelvic blood vessels or bony pelvis.

80 Cystectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
- 2 Microscopic involvement
- 5 Macroscopic involvement

7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are:
Hypogastric Iliac (internal, external, NOS) Obturator Pelvic, NOS Perivesical Presacral Sacral (lateral, sacral promontory [Gerota's])

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral
- 2 Unilateral regional lymph nodes
- 3 Bilateral regional lymph nodes

9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

DO NOT CODE the partial or total removal of a ureter during a cystectomy.

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

0 No reconstruction/restoration
1 Conduit diversion
2 Continent reservoir (a bladder substitute)

Types of continent reservoirs include, but are not limited to: Hemi Kock; Ileal reservoir; Ileocecal reservoir; Indiana or Mainz pouch; Koch; Studer pouch; W shaped ileoneobladder by Hautmann.

8 Reconstruction/restoration recommended, unknown if performed
9 Unknown; not stated; death certificate **only**

BRAIN & OTHER PARTS OF CENTRAL NERVOUS SYSTEM

Meninges C70.0-C70.9, Brain C71.0-C71.9, Other Parts of Central Nervous System C72.0-C72.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
4 Open
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction
20 Excision of tumor, lesion, or mass
  21 Subtotal resection, NOS
  22 Partial resection
  23 Debulking
30 Excision of tumor, lesion, or mass, NOS
  31 Total resection
  32 Gross resection
40 Partial resection, NOS
  41 Partial lobe
  42 Partial meninges
  43 Partial nerve(s)
50 Total resection (lobectomy of brain)
60 Radical resection

Resection of primary site plus partial or total removal of surrounding organs/tissue

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

There are no regional lymph nodes for brain. Code no regional lymph nodes removed (0). Central nervous system sites, however have regional lymph nodes.

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS

9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

There are no regional lymph nodes for brain. Code no regional lymph nodes removed (00). Central nervous system tumors, however, have regional lymph nodes.

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  5 Distant lymph node(s)
  6 Distant site(s)
  7 Combination of 6 **with** 2 or 5
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

9 Not applicable (There are no known reconstructive procedures for this site.)

THYROID GLAND
C73.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Removal of less than a lobe, NOS
  11 Local surgical excision
  12 Removal of a partial lobe **only**
20 Lobectomy and/or isthmectomy
  21 Lobectomy **only**
  22 Isthmectomy **only**
  23 Lobectomy **with** isthmus
30 Removal of a lobe and partial removal of the contralateral lobe
40 Subtotal or near total thyroidectomy
50 Total thyroidectomy
80 Thyroidectomy, NOS
90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative
1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are the cervical and upper mediastinal lymph nodes.

Terminology of neck dissection (Robbins et al. 19): A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle. In a modified radical neck dissection the same lymph nodes are removed as in a radical neck dissection; however, one or more non lymphatic structures are preserved. A selective neck dissection is a neck dissection with preservation of one or more lymph nodes group routinely removed in radical neck dissection.

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
2 Neck dissection, NOS
  3 Selective, limited; nodal sampling; "berry picking"
  4 Modified/modified radical
  5 Radical
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional site(s)
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

9 Not applicable (There are no known reconstructive procedures for this site.)

ALL OTHER SITES

C14.1-C14.8, C17.0-C17.9, C23.9, C24.0-C24.9, C26.0-C26.9, C30.0-C30.1, C31.0-C31.9, C33.9, C37.9, C38.0-C38.8, C39.0-C39.9, C42.0-C42.1, C42.3-C42.4, C48.0-

C48.8, C51.0-C51.9, C52.9, C57.0-C57.9, C58.9, C60.0-C60.9, C63.0-C63.9, C68.0-C69.9, C74.0-C76.8, C80.9

SURGICAL APPROACH

Codes

0 None; no cancer-directed surgery of primary site
1 Endoscopy, NOS
  2 Not image guided
  3 Image guided
4 Open, NOS
  5 Not assisted by endoscopy
  6 Assisted by endoscopy
9 Unknown; not stated; death certificate **only**

SURGERY OF PRIMARY SITE

Codes

00 None; no cancer-directed surgery of primary site
10 Local tumor destruction, NOS **(without pathology specimen)**
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration
  13 Cryosurgery
  14 Laser

No specimen sent to pathology from this surgical event.

20 Local tumor excision, NOS (**with pathology specimen**
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
  25 Laser excision
  26 Polypectomy
  27 Excisional biopsy

Specimen sent to pathology from this surgical event.

30 Simple/partial surgical removal of primary site
40 Total surgical removal of primary site
50 Surgery stated to be "debulking"
60 Radical surgery

Partial or total removal of the primary site **with** an en bloc resection (partial or total removal) of other organs.

90 Surgery, NOS
99 Unknown if cancer-directed surgery performed; death certificate **only**

SURGICAL MARGINS

Codes

0 All margins grossly and microscopically negative

1 Margins involved, NOS
  2 Microscopic involvement
  5 Macroscopic involvement
7 Margins not documented
8 No cancer-directed surgery of primary site
9 Unknown whether margins were involved or negative; death certificate **only**

SCOPE OF REGIONAL LYMPH NODE SURGERY

Codes

0 No regional lymph nodes removed
1 Regional lymph node(s) removed, NOS
9 Unknown; not stated; death certificate **only**

NUMBER OF REGIONAL LYMPH NODES EXAMINED

Codes

00 No regional lymph nodes removed
01 One regional lymph node removed
02 Two regional lymph nodes removed
..
90 Ninety or more regional lymph nodes removed
95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
99 Unknown; not stated; death certificate **only**

SURGERY OF OTHER REGIONAL SITE(S), DISTANT SITE(S) OR DISTANT LYMPH NODE(S)

Codes

0 None; no surgery to other regional or distant sites
1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  2 Other regional sites
  3 Distant lymph node(s)
  4 Distant site(s)
  5 Combination of 4 **with** 2 or 3
9 Unknown; not stated; death certificate **only**

RECONSTRUCTION/RESTORATION - FIRST COURSE

Codes

9 At this time, reconstructive procedures are not being collected for these sites

Appendix Q-2 Surgery Codes
(For Cases Diagnosed on or after January 1, 2003)

Table of Contents

Oral Cavity
Parotid & Other Unspecified Glands
Pharynx
Esophagus
Stomach
Colon
Rectosigmoid
Rectum
Anus
Liver & Intrahepatic Bile Ducts
Pancreas
Larynx
Lung
Hematopoietic/ Reticuloendothelial/Immunoproliferative Disease
Bones, Joints & Articular Cartilage/ Peripheral Nerves/ Connective & Soft Tissue
Spleen
Skin
Breast
Cervix Uteri
Corpus Uteri
Ovary
Prostrate
Testis
Kidney, Renal Pelvis & Ureter
Bladder
Brain & Other Parts of Central Nervous System
Thyroid Gland
Lymph Nodes
All Other Sites
Unknown and Ill Defined Primary Sites

ORAL CAVITY
Lip C00.0-C00.9, Base of Tongue C01.9, Other Parts of Tongue C02.0-C02.9, Gum C03.0-C03.9, Floor of Mouth C04.0-C04.9, Palate C05.0-C05.9, Other Parts of Mouth C06.0-C06.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

No specimen sent to pathology from surgical events 10-14.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH

[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]

21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation

25 Laser excision

Specimen sent to pathology from surgical events 20-27.
[SEER Guideline: Codes 20-27 include shave and wedge resection]

30 Wide excision, NOS
Code 30 includes:
Hemiglossectomy
Partial glossectomy

40 Radical excision of tumor, NOS
41 Radical excision of tumor ONLY
42 Combination of 41 WITH resection in continuity with mandible (marginal, segmental, hemi-, or total resection)
43 Combination of 41 WITH resection in continuity with maxilla (partial, subtotal, or total resection)

[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]

Codes 40-43 include:
Total glossectomy
Radical glossectomy

90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

PAROTID AND OTHER UNSPECIFIED GLANDS

Parotid Gland C07.9, Major Salivary Glands C08.0-C08.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser

No specimen sent to pathology from surgical events 10-14.

20 Local tumor excision, NOS
26 Polypectomy
27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]

21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation

25 Laser excision

Specimen sent to pathology from surgical events 20-27.

30 Less than total parotidectomy, NOS; less than total removal of major salivary gland, NOS
31 Facial nerve spared
32 Facial nerve sacrificed

33 Superficial lobe ONLY
34 Facial nerve spared
35 Facial nerve sacrificed
36 Deep lobe (Total)
[SEER Guideline: with or without superficial lobe]
37 Facial nerve spared
38 Facial nerve sacrificed
40 Total parotidectomy, NOS; total removal of major salivary gland, NOS
41 Facial nerve spared
42 Facial nerve sacrificed
50 Radical parotidectomy, NOS; radical removal of major salivary gland, NOS
51 WITHOUT removal of temporal bone
52 WITH removal of temporal bone
53 WITH removal of overlying skin (requires graft or flap coverage)
80 Parotidectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

PHARYNX

Tonsil C09.0-C09.9, Oropharynx C10.0-C10.9, Nasopharynx C11.0-C11.9, Pyriform Sinus C12.9, Hypopharynx C13.0-C13.9, Pharynx C14.0
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser
15 Stripping
No specimen sent to pathology from surgical events 10-15.
20 Local tumor excision, NOS
26 Polypectomy
27 Excisional biopsy
Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
28 Stripping
Specimens sent to pathology from surgical events 20-28.
30 Pharyngectomy, NOS
31 Limited/partial pharyngectomy; tonsillectomy, bilateral tonsillectomy
32 Total pharyngectomy
40 Pharyngectomy WITH laryngectomy OR removal of contiguous bone tissue, NOS (does NOT include total mandibular resection)
[SEER Guideline: code 40 includes mandibulectomy (marginal, segmental, hemi-, and/or laryngectomy) NOS]
[SEER Guideline: contiguous bone tissue refers to the mandible]

41 WITH Laryngectomy (laryngopharyngectomy)
42 WITH bone
43 WITH both 41 and 42
50 Radical pharyngectomy (includes total mandibular resection), NOS
51 WITHOUT laryngectomy
52 WITH laryngectomy
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

ESOPHAGUS
C15.0-C15.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser
No specimen sent to pathology from surgical events 10-14.
20 Local tumor excision, NOS
26 Polypectomy
27 Excisional biopsy
Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision
Specimen sent to pathology from surgical events 20-27.
30 Partial esophagectomy
40 Total esophagectomy, NOS
50 Esophagectomy, NOS WITH laryngectomy and/or gastrectomy, NOS
[SEER Guideline: esophagectomy may be partial, total, or NOS]
51 WITH laryngectomy
52 WITH gastrectomy, NOS
53 Partial gastrectomy
54 Total gastrectomy
55 Combination of 51 WITH any of 5254
80 Esophagectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

STOMACH
C16.0-C16.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

No specimen sent to pathology from surgical events 10-14.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision

Specimen sent to pathology from surgical events 20-27.

30 Gastrectomy, NOS (partial, subtotal, hemi-)
- 31 Antrectomy, lower (distal-less than 40% of stomach)***
- 32 Lower (distal) gastrectomy (partial, subtotal, hemi-)
- 33 Upper (proximal) gastrectomy (partial, subtotal, hemi-)

Code 30 includes:
Partial gastrectomy, including a sleeve resection of the stomach
Billroth I: anastomosis to duodenum (duodenostomy)
Billroth II: anastomosis to jejunum (jejunostomy)

40 Near-total or total gastrectomy, NOS
- 41 Near-total gastrectomy
- 42 Total gastrectomy

A total gastrectomy may follow a previous partial resection of the stomach.

50 Gastrectomy, NOS WITH removal of a portion of esophagus
- 51 Partial or subtotal gastrectomy
- 52 Near total or total gastrectomy

Codes 50-52 are used for gastrectomy resection when only portions of esophagus are included in procedure.

60 Gastrectomy with a resection in continuity with the resection of other organs, NOS***
- 61 Partial or subtotal gastrectomy, in continuity with the resection of other organs***
- 62 Near total or total gastrectomy, in continuity with the resection of other organs***
- 63 Radical gastrectomy, in continuity with the resection of other organs***

Codes 60-63 are used for gastrectomy resections with organs other than esophagus. Portions of esophagus may or may not be included in the resection.
[SEER Guideline: codes 60-63 may include omentectomy]
[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]

80 Gastrectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

*** Incidental splenectomy NOT included

COLON
C18.0-C18.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Code removal/surgical ablation of single or multiple liver metastases under the data item *Surgical Procedure/Other Site* (NAACCR Item #1294).

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

No specimen sent to pathology from surgical events 10-14.

20 Local tumor excision, NOS
- 27 Excisional biopsy
- 26 Polypectomy, NOS
- 28 Polypectomy-endoscopic
- 29 Polypectomy-surgical excision

Any combination of 20 or 26-29 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy (NOS, endoscopic or surgical excision) or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision

Specimen sent to pathology from surgical events 20-29.

30 Partial colectomy, segmental resection
- 32 Plus resection of contiguous organ; example: small bowel, bladder

[SEER Guideline: codes 30-32 include but are not limited to: appendectomy (for an appendix primary only), enterocolectomy, ileocolectomy, partial colectomy, NOS, partial resection of transverse colon and flexures, segmental resection, e.g., cecectomy, sigmoidectomy]

40 Subtotal colectomy/hemicolectomy (total right or left colon and a portion of transverse colon)
- 41 Plus resection of contiguous organ; example: small bowel, bladder

50 Total colectomy (removal of colon from cecum to the rectosigmoid junction; may include a portion of the rectum)
- 51 Plus resection of contiguous organ; example: small bowel, bladder

60 Total proctocolectomy (removal of colon from cecum to the rectosigmoid junction, including the entire rectum)
[SEER Guideline: commonly used for familial polyposis or polyposis coli]
- 61 Plus resection of contiguous organ; example: small bowel, bladder

70 Colectomy or coloproctotectomy with resection of contiguous organ(s), NOS (where there is not enough information to code 32, 41, 51, or 61)

Code 70 includes: Any colectomy (partial, hemicolectomy, or total) WITH a resection of any other organs in continuity with the primary site. Other organs may be partially or totally removed. Other organs may include, but are not limited to, oophorectomy, partial proctectomy, rectal mucosectomy, or pelvic exenteration.

[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]

80 Colectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

RECTOSIGMOID
C19.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Code removal/surgical ablation of single or multiple liver metastases under the data item *Surgical Procedure/Other Site* (NAACCR Item #1294).

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser ablation

No specimen sent to pathology from surgical events 10-14.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision

Specimen sent to pathology from surgical events 20-27.

30 Wedge or segmental resection; partial proctosigmoidectomy, NOS
- 31 Plus resection of contiguous organs; example: small bowel, bladder

Procedures coded 30 include, but are not limited to:
- Anterior resection
- Hartmann operation
- Low anterior resection (LAR)
- Partial colectomy, NOS
- Rectosigmoidectomy, NOS
- Sigmoidectomy

40 Pull through WITH sphincter preservation (colo-anal anastomosis)
[SEER Guideline: Procedures coded 40 include but are not limited to: Altemeier's operation, Duhamel's operation, Soave's submucosal resection, Swenson's operation, Turnbull's operation.]

50 Total proctectomy
[SEER Guideline: Procedures coded 50 include but are not limited to: abdominoperineal resection (A & P resection), anterior/posterior resection (A/P resection)/Mile's operation, Rankin's operation]

51 Total colectomy [SEER Guideline: removal of the colon from cecum to rectosigmoid or portion of rectum]

55 Total colectomy WITH ileostomy, NOS
- 56 Ileorectal reconstruction
- 57 Total colectomy WITH other pouch; example: Koch pouch

60 Total proctocolectomy, NOS [SEER Guideline: combination of 50 and 51]
- 65 Total proctocolectomy WITH ileostomy, NOS
- 66 Total proctocolectomy WITH ileostomy and pouch

Removal of the colon from cecum to the rectosigmoid or a portion of the rectum.

70 Colectomy or proctocolectomy resection in continuity with other organs; pelvic exenteration
[SEER Guideline: Procedures that may be part of an en bloc resection include, but are not limited to: an oophorectomy and a rectal mucosectomy. Code 70 includes any colectomy (partial, hemicolectomy or total) with an en bloc resection of any other organs. There may be partial or total removal of other organs in continuity with the primary.]
[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]

80 Colectomy, NOS; Proctectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

RECTUM
C20.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Code removal/surgical ablation of single or multiple liver metastases under the data item *Surgical Procedure/Other Site* (NAACCR Item #1294).

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
  11 Photodynamic therapy (PDT)
  12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  13 Cryosurgery
  14 Laser
  No specimen sent to pathology from surgical events 10-14.
20 Local tumor excision, NOS
  27 Excisional biopsy
  26 Polypectomy
  Any combination of 20 or 26-27 WITH
  [SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
    21 Photodynamic therapy (PDT)
    22 Electrocautery
    23 Cryosurgery
    24 Laser ablation
  25 Laser excision
  28 Curette and fulguration
  Specimen sent to pathology from surgical events 20-28.
30 Wedge or segmental resection; partial proctectomy, NOS
  Procedures coded 30 include, but are not limited to:
    Anterior resection
    Hartmanns operation
    Low anterior resection (LAR)
    Transsacral rectosigmoidectomy
40 Pull through WITH sphincter preservation (coloanal anastomosis)
  [SEER Guideline: Procedures coded 40 include but are not limited to: Altemeier's operation, Duhamel's operation, Soave's submucosal resection, Swenson's operation, Turnbul'ls operation.]
50 Total proctectomy
  Procedure coded 50 includes, but is not limited to:
    Abdominoperineal resection (Miles Procedure)
  [SEER Guideline: also called anterior/posterior (A/P) resection/Mile's operation, Rankin's operation]
60 Total proctocolectomy, NOS
70 Proctectomy or proctocolectomy with resection in continuity with other organs; pelvic exenteration
  [SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]
80 Proctectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

ANUS
C21.0-C21.8
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Thermal Ablation

No specimen sent to pathology from surgical events 10-15.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision

Specimen sent to pathology from surgical events 20-27.
[SEER Guideline: margins of resection may have microscopic involvement]

60 Abdominal perineal resection, NOS (APR; Miles procedure)
- 61 APR and sentinel node excision
- 62 APR and unilateral inguinal lymph node dissection
- 63 APR and bilateral inguinal lymph node dissection

The lymph node dissection should also be coded under Scope of Regional Lymph Node Surgery (NAACCR Item #1292) or Scope of Regional Lymph Node Surgery at This Facility (NAACCR Item #672).

90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

LIVER AND INTRAHEPATIC BILE DUCTS
C22.0-C22.1
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser

15 Alcohol (Percutaneous Ethanol Injection-PEI)
16 Heat-Radio-frequency ablation (RFA)
17 Other (ultrasound, acetic acid)
No specimen sent to pathology from surgical events 10-17.

Clarification from ACOS: Chemoembolization should be coded as 10 - Local Tumor Destruction and in addition, should also be appropriately coded in the Chemotherapy field.

20 Wedge or segmental resection, NOS
21 Wedge resection
22 Segmental resection, NOS
23 One
24 Two
25 Three
26 Segmental resection AND local tumor destruction
Specimen sent to pathology from surgical events 20-26.
30 Lobectomy, [simple or] NOS
36 Right lobectomy
37 Left lobectomy
38 Lobectomy AND local tumor destruction
50 Extended lobectomy, NOS (extended: resection of a single lobe plus a segment of another lobe)
51 Right lobectomy
52 Left lobectomy
59 Extended lobectomy AND local tumor destruction
60 Hepatectomy, NOS [formerly SEER code 80]
61 Total hepatectomy and transplant [formerly SEER code 70]
65 Excision of a bile duct (for an intra-hepatic bile duct primary only) [formerly SEER code 40]
66 Excision of a bile duct PLUS partial hepatectomy
75 Bile duct and hepatectomy WITH transplant
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

PANCREAS
C25.0-C25.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
25 Local excision of tumor, NOS [formerly SEER code 10]
30 Partial pancreatectomy, NOS; example: distal [formerly SEER code 20]
35 Local or partial pancreatectomy and duodenectomy [formerly SEER code 50]
36 WITHOUT distal/partial gastrectomy [formerly SEER code 51 "without subtotal gastrectomy"]
37 WITH partial gastrectomy (Whipple) [formerly SEER code 52 "with subtotal gastrectomy (Whipple)"]
40 Total pancreatectomy
60 Total pancreatectomy and subtotal gastrectomy or duodenectomy
70 Extended pancreatoduodenectomy
80 Pancreatectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

LARYNX

C32.0-C32.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Stripping

No specimen sent to pathology from surgical events 10-15.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision
- 28 Stripping

Specimen sent to pathology from surgical events 20-28.

30 Partial excision of the primary site, NOS; subtotal/partial laryngectomy NOS; hemilaryngectomy NOS
- 31 Vertical laryngectomy
- 32 Anterior commissure laryngectomy
- 33 Supraglottic laryngectomy

40 Total or radical laryngectomy, NOS
- 41 Total laryngectomy ONLY
- 42 Radical laryngectomy ONLY

50 Pharyngolaryngectomy
80 Laryngectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

LUNG

C34.0-C34.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY

19 Local tumor destruction or excision, NOS [formerly SEER code 10]
Unknown whether a specimen was sent to pathology for surgical events coded 19 (principally for cases diagnosed prior to January 1, 2003).

15 Local tumor destruction, NOS
- 12 Laser ablation or cryosurgery [formerly SEER code 12 = laser ablation or excision]
- 13 Electrocautery; fulguration (includes use of hot forceps for tumor destruction) [formerly SEER code 13 = cautery; fulguration]

No specimen sent to pathology from surgical events 12-13 and 15.

20 Excision or resection of less than one lobe, NOS
- 23 Excision, NOS [formerly SEER code 11 = Excision]
- 24 Laser excision [formerly SEER code 12 = laser ablation or excision]
- 25 Bronchial sleeve resection ONLY [formerly SEER code 14]
- 21 Wedge resection
- 22 Segmental resection, including lingulectomy

Specimen sent to pathology from surgical events 20-25.

30 Resection of [at least one] lobe or bilobectomy, but less than the whole lung (partial pneumonectomy, NOS)
- 33 Lobectomy WITH mediastinal lymph node dissection

The lymph node dissection should also be coded under Scope of Regional Lymph Node Surgery (NAACCR Item #1292) *or Scope of Regional Lymph Node Surgery at This Facility (NAACCR Item #672)*.

45 Lobe or bilobectomy extended, NOS
- 46 WITH chest wall
- 47 WITH pericardium
- 48 WITH diaphragm

55 Pneumonectomy, NOS [formerly SEER codes 40, 50, 51, 52, 53, 54]
- 56 WITH mediastinal lymph node dissection (radical pneumonectomy)

The lymph node dissection should also be coded under Scope of Regional Lymph Node Surgery (NAACCR Item #1292) *or Scope of Regional Lymph Node Surgery at This Facility (NAACCR Item #672)*.

NOTE: Peribronchial or hilar lymph nodes are not included in any of the lung surgery codes. If peribronchial or hilar nodes are dissected as part of a surgical procedure which involves the destruction, excision or resection of the primary tumor then the extent of the nodal dissection is recorded in the item "Scope of Regional Lymph Node Surgery" and the number of nodes dissected is recorded as part of the cumulative Regional Lymph Nodes Examined."

65 Extended pneumonectomy
- 66 Extended pneumonectomy plus pleura or diaphragm

70 Extended radical pneumonectomy
[SEER Guideline: an extended radical pneumonectomy is a radical pneumonectomy (including removal of mediastinal nodes) and the removal of other tissues or nodes]

The lymph node dissection should also be coded under Scope of Regional Lymph Node Surgery (NAACCR Item #1292) *or Scope of Regional Lymph Node Surgery at This Facility (NAACCR Item #672)*.

NOTE: Peribronchial or hilar lymph nodes are not included in any of the lung surgery codes. If peribronchial or hilar nodes are dissected as part of a surgical procedure which involves the destruction, excision or resection of the primary tumor then the extent of the nodal dissection is recorded in the item "Scope of Regional Lymph Node Surgery" and the number of nodes dissected is recorded as part of the cumulative "Regional Lymph Nodes Examined."

80 Resection of lung, NOS

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

HEMATOPOIETIC/RETICULOENDOTHELIAL/IMMUNOPROLIFERATIVE/MYELOPROLIFERATIVE DISEASE

C42.0, C42.1, C42.3, C42.4 for all histologies
Or
M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989 for all sites

Code

98 All hematopoietic/reticuloendothelial/immunoproliferative/myeloproliferative disease sites and/or histologies, WITH or WITHOUT surgical treatment.
Surgical procedures for hematopoietic/reticuloendothelial/immunoproliferative/myeloproliferative primaries are to be recorded using the data item Surgical Procedure/Other Site (NAACCR Item #1294) *or Surgical Procedure/Other Site at This Facility (NAACCR Item #674)*.

99 Death certificate only

NOTE: A hematopoietic case not otherwise specified in the list of standard exclusions (M-9750, 9760-9764, 9800-9720, 9826, 9831-9920, 9931-9964, 9980-9989) in the surgery code appendix should be treated as an Unknown And Ill-Defined Primary Site. Examples include solitary plasmacytoma and chloroma.

BONES, PERIPHERAL NERVES, AND SOFT TISSUES

BONES, JOINTS, AND ARTICULAR CARTILAGE C40.0-C41.9
PERIPHERAL NERVES AND AUTONOMIC NERVOUS SYSTEM C47.0-C47.9
CONNECTIVE, SUBCUTANEOUS, AND OTHER SOFT TISSUES C49.0-C49.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY

19 Local tumor destruction or excision, NOS [formerly SEER code 10 = local tumor destruction or excision]
Unknown whether a specimen was sent to pathology for surgical events coded 19 (principally for cases diagnosed prior to January 1, 2003).

15 Local tumor destruction [formerly SEER code 10 = local tumor destruction or excision]
No specimen sent to pathology from surgical event 15.

25 Local excision

26 Partial resection [formerly SEER code 20 = partial resection/internal hemipelvectomy (pelvis)]
Specimen sent to pathology from surgical events 25-26.

30 Radical excision or resection of lesion WITH limb salvage

40 Amputation of limb
- 41 Partial amputation of limb
- 42 Total amputation of limb

50 Major amputation, NOS
- 51 Forequarter, including scapula
- 52 Hindquarter, including ilium/hip bone

53 Hemipelvectomy, NOS
54 Internal hemipelvectomy [formerly SEER code 20 = partial resection/internal hemipelvectomy (pelvis)]
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

SPLEEN

Spleen C42.2
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Note: Lymph Nodes surgery codes have been moved to a separate scheme

Codes

00 None; no surgery of primary site; autopsy ONLY
19 Local tumor destruction or excision, NOS
[formerly SEER code 10 = local excision, destruction, NOS]
Unknown whether a specimen was sent to pathology for surgical events coded 19 (principally for cases diagnosed prior to January 1, 2003).
21 Partial splenectomy
22 Total splenectomy
80 Splenectomy, NOS [formerly SEER code 20]
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

SKIN
C44.0-C44.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
11 Photodynamic therapy (PDT)
12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
13 Cryosurgery
14 Laser ablation
No specimen sent to pathology from surgical events 10-14.
20 Local tumor excision, NOS
26 Polypectomy
27 Excisional biopsy
Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
21 Photodynamic therapy (PDT)
22 Electrocautery
23 Cryosurgery
24 Laser ablation
25 Laser excision

Specimen sent to pathology from surgical events 20-27.

30 Biopsy of primary tumor followed by a gross excision of the lesion (does not have to be done under the same anesthesia)

- 31 Shave biopsy followed by a gross excision of the lesion
- 32 Punch biopsy followed by a gross excision of the lesion
- 33 Incisional biopsy followed by a gross excision of the lesion
- 34 Mohs surgery, NOS
- 35 Mohs with 1-cm margin or less
- 36 Mohs with more than 1-cm margin

45 Wide excision or reexcision of lesion or minor (local) amputation with margins more than 1 cm, NOS. Margins MUST be microscopically negative. [formerly SEER code 40 or 50 = wide excision or re-excision of lesion or minor (local) amputation, NOS, margins of excision are 1 cm or more, margins may be microscopically involved.]

- 46 WITH margins more than 1 cm and less than or equal to 2 cm
- 47 WITH margins greater than 2 cm

If the excision does not have microscopically negative margins greater than 1 cm, use the appropriate code, 20-36.

60 Major amputation [NOS]

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

BREAST

C50.0-C50.9

(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY

19 Local tumor destruction, NOS

No specimen was sent to pathology for surgical events coded 19 (principally for cases diagnosed prior to January 1, 2003).

20 Partial mastectomy, NOS; less than total mastectomy, NOS [formerly SEER code 10]

- 21 Partial mastectomy WITH nipple resection [formerly SEER code 11 = nipple resection]
- 22 Lumpectomy or excisional biopsy [formerly SEER code 12]
- 23 Reexcision of the biopsy site for gross or microscopic residual disease [formerly SEER code 13]
- 24 Segmental mastectomy (including wedge resection, quadrantectomy, tylectomy) [formerly SEER codes 16 = segmental mastectomy, 14 = wedge resection, 15 = quadrantectomy, 17 = tylectomy]

Procedures coded 20-24 remove the gross primary tumor and some of the breast tissue (breast-conserving or preserving). There may be microscopic residual tumor.

30 Subcutaneous mastectomy

A subcutaneous mastectomy is the removal of breast tissue without the nipple and areolar complex or overlying skin.

[SEER Guideline: this procedure is rarely used to treat malignancies]

40 Total (simple) mastectomy, NOS

- 41 WITHOUT removal of uninvolved contralateral breast
- 43 Reconstruction NOS
  - 44 Tissue
  - 45 Implant
  - 46 Combined (Tissue and Implant)
- 42 WITH removal of uninvolved contralateral breast
- 47 Reconstruction NOS
  - 48 Tissue

49 Implant
75 Combined (Tissue and Implant)

A total (simple) mastectomy removes all breast tissue, the nipple, and areolar complex. An axillary dissection is not done.

For single primaries only, code removal of involved contralateral breast under the data item Surgical Procedure/Other Site (NAACCR Item #1294) *or Surgical Procedure/Other Site at This Facility (NAACCR Item #674)*.

If contralateral breast reveals a second primary, each breast is abstracted separately. The surgical procedure is coded 41 for the first primary. The surgical code for the contralateral breast is coded to the procedure performed on that site.

50 Modified radical mastectomy
51 WITHOUT removal of uninvolved contralateral breast
53 Reconstruction, NOS
54 Tissue
55 Implant
56 Combined (Tissue and Implant)
52 WITH removal of uninvolved contralateral breast
57 Reconstruction, NOS
58 Tissue
59 Implant
63 Combined (Tissue and Implant)

Removal of all breast tissue, the nipple, the areolar complex, and variable amounts of breast skin in continuity with the axilla. The specimen may or may not include a portion of the pectoralis major muscle.

[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]
[SEER Guideline: "tissue" for reconstruction is defined as human tissue such as muscle (latissimus dorsi or rectus abdominis) or skin in contrast to artificial prostheses (implants).]

If contralateral breast reveals a second primary, it is abstracted separately. The surgical procedure is coded 51 for the first primary. The surgical code for the contralateral breast is coded to the procedure performed on that site.

For single primaries only, code removal of involved contralateral breast under the data item Surgical Procedure/Other Site (NAACCR Item #1294) *or Surgical Procedure/Other Site at This Facility (NAACCR Item #674)*.

60 Radical mastectomy, NOS
61 WITHOUT removal of uninvolved contralateral breast
64 Reconstruction, NOS
65 Tissue
66 Implant
67 Combined (Tissue and Implant)
62 WITH removal of uninvolved contralateral breast
68 Reconstruction, NOS
69 Tissue
73 Implant
74 Combined (Tissue and Implant)

[SEER Guideline: Removal of breast tissue, nipple, areolar complex, variable amount of skin, pectoralis minor, pectoralis major. Includes en bloc axillary dissection. For single primaries only, code removal of involved contralateral breast under the data item "Surgery of other regional sites, distant sites, or distant lymph nodes."]

70 Extended radical mastectomy
71 WITHOUT removal of uninvolved contralateral breast
72 WITH removal of uninvolved contralateral breast

[SEER Guideline: Removal of breast tissue, nipple, areolar complex, variable amount of skin, pectoralis minor, pectoralis major. Includes removal of internal mammary nodes and en bloc axillary dissection. For single primaries only, code removal of involved contralateral breast under the data item "Surgery of other regional sites, distant sites, or distant lymph nodes."]

80 Mastectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

CERVIX UTERI
C53.0-C53.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

For invasive cancers, dilation and curettage is coded as an incisional biopsy (02) under the data item *Surgical Diagnostic and Staging Procedure* (NAACCR Item #1350).

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Loop Electrocautery Excision Procedure (LEEP)
- 16 Laser ablation
- 17 Thermal ablation

No specimen sent to pathology from surgical events 10-17.

20 Local tumor excision, NOS
- 26 Excisional biopsy, NOS
- 27 Cone biopsy
- 24 Cone biopsy WITH gross excision of lesion
- 29 Trachelectomy; removal of cervical stump; cervicectomy

Any combination of 20, 24, 26, 27 or 29 WITH
- 21 Electrocautery
- 22 Cryosurgery
- 23 Laser ablation or excision

- 25 Dilatation and curettage; endocervical curettage (for in situ only)
- 28 Loop electrocautery excision procedure (LEEP)

Specimen sent to pathology from surgical events 20-29.

30 Total hysterectomy (simple, pan-) WITHOUT removal of tubes and ovaries
Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.

40 Total hysterectomy (simple, pan-) WITH removal of tubes and/or ovary
Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.

50 Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy
- 51 Modified radical hysterectomy
- 52 Extended hysterectomy
- 53 Radical hysterectomy; Wertheim procedure
- 54 Extended radical hysterectomy

60 Hysterectomy, NOS, WITH or WITHOUT removal of tubes and ovaries
- 61 WITHOUT removal of tubes and ovaries
- 62 WITH removal of tubes and ovaries

70 Pelvic exenteration
- 71 Anterior exenteration

Includes bladder, distal ureters, and genital organs WITH their ligamentous

attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

72 Posterior exenteration
Includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

73 Total exenteration
Includes removal of all pelvic contents and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

74 Extended exenteration
Includes pelvic blood vessels or bony pelvis.
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

CORPUS UTERI
C54.0-C55.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

For invasive cancers, dilation and curettage is coded as an incisional biopsy (02) under the data item *Surgical Diagnostic and Staging Procedure* (NAACCR Item #1350).

Codes

00 None; no surgery of primary site; autopsy ONLY
19 Local tumor destruction or excision, NOS
Unknown whether a specimen was sent to pathology for surgical events coded 19 (principally for cases diagnosed prior to January 1, 2003).
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Loop Electocautery Excision Procedure (LEEP)
- 16 Thermal ablation

No specimen sent to pathology from surgical events 10-16.
20 Local tumor excision, NOS; simple excision, NOS
- 24 Excisional biopsy
- 25 Polypectomy
- 26 Myomectomy

Any combination of 20 or 24-26 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]

21 Electrocautery
22 Cryosurgery
23 Laser ablation or excision

Specimen sent to pathology from surgical events 20-26.
[Margins of resection may have microscopic involvement]
[SEER Guideline: Procedures in code 20 include but are not limited to: cryosurgery, electrocautery, excisional biopsy, laser ablation, thermal ablation]

30 Subtotal hysterectomy/supracervical hysterectomy/fundectomy WITH or WITHOUT removal of tube(s) and ovary(ies).
31 WITHOUT tube(s) and ovary(ies)
32 WITH tube(s) and ovary(ies)
[SEER Guideline: for these procedures, the cervix is left in place.]

40 Total hysterectomy (simple, pan-) WITHOUT removal of tube(s) and ovary(ies)
Removes both the corpus and cervix uteri. It may also include a portion of the vaginal cuff.

50 Total hysterectomy (simple, pan-) WITH removal of tube(s) and/or ovary(ies)
Removes both the corpus and cervix uteri. It may also include a portion of the vaginal cuff.

60 Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy
61 Modified radical hysterectomy
62 Extended hysterectomy
63 Radical hysterectomy; Wertheim procedure
64 Extended radical hysterectomy

65 Hysterectomy, NOS, WITH or WITHOUT removal of tube(s) and ovary(ies) [formerly SEER code 70]
66 WITHOUT removal of tube(s) and ovary(ies) [formerly SEER code 71]
67 WITH removal of tube(s) and ovary(ies) [formerly SEER code 72]

75 Pelvic exenteration [formerly SEER code 80]
76 Anterior exenteration [formerly SEER code 81]
Includes bladder, distal ureters, and genital organs WITH their ligamentous attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

77 Posterior exenteration [formerly SEER code 82]
Includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

78 Total exenteration [formerly SEER code 83]
Includes removal of all pelvic contents and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

79 Extended exenteration [formerly SEER code 84]
Includes pelvic blood vessels or bony pelvis.

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

OVARY
C56.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
17 Local tumor destruction, NOS

No specimen sent to pathology from surgical event 17.
25 Total removal of tumor or (single) ovary, NOS
- 26 Resection of ovary (wedge, subtotal, or partial) ONLY, NOS; unknown if hysterectomy done
- 27 WITHOUT hysterectomy
- 28 WITH hysterectomy

Specimen sent to pathology from surgical events 25-28.
35 Unilateral (salpingo-)oophorectomy; unknown if hysterectomy done [formerly SEER code 14]
- 36 WITHOUT hysterectomy [formerly SEER code 15]
- 37 WITH hysterectomy [formerly SEER code 16]

50 Bilateral (salpingo-)oophorectomy; unknown if hysterectomy done [formerly SEER code 20]
- 51 WITHOUT hysterectomy [formerly SEER code 21]
- 52 WITH hysterectomy [formerly SEER code 22]

55 Unilateral or bilateral (salpingo-)oophorectomy WITH OMENTECTOMY, NOS; partial or total; unknown if hysterectomy done [formerly SEER code 30]
- 56 WITHOUT hysterectomy [formerly SEER code 31]
- 57 WITH hysterectomy [formerly SEER code 32]

60 Debulking; cytoreductive surgery, NOS
- 61 WITH colon (including appendix) and/or small intestine resection (not incidental)
- 62 WITH partial resection of urinary tract (not incidental)
- 63 Combination of 61 and 62

Debulking is a partial or total removal of the tumor mass and can involve the removal of multiple organ sites. It may include removal of ovaries and/or the uterus (a hysterectomy). The pathology report may or may not identify ovarian tissue. A debulking is usually followed by another treatment modality such as chemotherapy.

70 Pelvic exenteration, NOS
- 71 Anterior ***exenteration***

Includes bladder, distal ureters, and genital organs WITH their ligamentous attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

72 Posterior ***exenteration***
Includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

73 Total ***exenteration***
Includes removal of all pelvic contents and pelvic lymph nodes.

NOTE: Do not code removal of pelvic lymph nodes under Surgical Procedure/Other Site.

74 Extended exenteration

Includes pelvic blood vessels or bony pelvis.
80 (Salpingo-)oophorectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

PROSTATE
C61.9

Do not code an orchiectomy in this field. For prostate primaries, orchiectomies are coded in the data item *Hematologic Transplant and Endocrine Procedures* (NAACCR Item#3250).

Codes

00 None; no surgery of primary site; autopsy ONLY
18 Local tumor destruction or excision, NOS [formerly SEER code 10]
19 Transurethral resection (TURP), NOS [formerly SEER code 11]
Unknown whether a specimen was sent to pathology for surgical events coded 18 or 19 (principally for cases diagnosed prior to January 1, 2003).
10 Local tumor destruction, [or excision] NOS
14 Cryoprostatectomy
15 Laser ablation
16 Hyperthermia
17 Other method of local tumor destruction
No specimen sent to pathology from surgical events 10-17.
20 Local tumor excision, NOS [formerly SEER code 10 = local tumor destruction or excision, NOS]
21 Transurethral resection (TURP), NOS [formerly SEER code 11 = transurethral resection (TURP) NOS]
22 TURPcancer is incidental finding during surgery for benign disease [formerly SEER code 12]
23 TURPpatient has suspected/known cancer [SEER code 13]
Any combination of 20-23 WITH
24 Cryosurgery
25 Laser
26 Hyperthermia
Specimen sent to pathology from surgical events 20-26.
30 Subtotal, segmental, or simple prostatectomy, which may leave all or part of the capsule intact
50 Radical prostatectomy, NOS; total prostatectomy, NOS [formerly SEER code 30 or 40]
Excised prostate, prostatic capsule, ejaculatory ducts, seminal vesicle(s) and may include a narrow cuff of bladder neck.
70 Prostatectomy WITH resection in continuity with other organs; pelvic exenteration
Surgeries coded 70 are any prostatectomy WITH resection in continuity with any other organs. The other organs may be partially or totally removed. Procedures may include, but are not limited to, cystoprostatectomy, radical cystectomy, and prostatectomy.
[SEER Guideline: in continuity with or en bloc means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]
80 Prostatectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

TESTIS
C62.0-C62.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Do not code an orchiectomy in this field. For prostate primaries, orchiectomies are coded in the data item *Hematologic Transplant and Endocrine Procedures* (NAACCR Item#3250).

Codes

00 None; no surgery of primary site; autopsy ONLY
12 Local tumor destruction, NOS
No specimen sent to pathology from surgical event 12.
20 Local or partial excision of testicle [SEER code 10]
Specimen sent to pathology from surgical event 20.</b
30 Excision of testicle WITHOUT cord
40 Excision of testicle WITH cord or cord not mentioned (radical orchiectomy)
80 Orchiectomy, NOS (unspecified whether partial or total testicle removed)
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

KIDNEY, RENAL PELVIS, AND URETER
Kidney C64.9, Renal Pelvis C65.9, Ureter C66.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Thermal ablation

No specimen sent to pathology from this surgical event 10-15.
20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation
- 25 Laser excision

Specimen sent to pathology from surgical events 20-27.
30 Partial or subtotal nephrectomy (kidney or renal pelvis) or partial ureterectomy (ureter)
Procedures coded 30 include, but are not limited to:
Segmental resection
Wedge resection
40 Complete/total/simple nephrectomyfor kidney parenchyma
Nephroureterectomy
Includes bladder cuff for renal pelvis or ureter.
50 Radical nephrectomy
May include removal of a portion of vena cava, adrenal gland(s), Gerota's fascia, perinephric fat, or partial/total ureter.
70 Any nephrectomy (simple, subtotal, complete, partial, simple, total, radical) in continuity with the

resection of other organ(s) (colon, bladder)
The other organs, such as colon or bladder, may be partially or totally removed.
[SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]

80 Nephrectomy, NOS
Ureterectomy, NOS

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

BLADDER
C67.0-C67.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY

10 Local tumor destruction, NOS
- 11 Photodynamic therapy (PDT)
- 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13 Cryosurgery
- 14 Laser
- 15 Intravesical therapy
- 16 Bacillus Calmette-Guerin (BCG) or other immunotherapy

Clarification: Use code 16 if local tumor destruction occurs via the use of BCG and more extensive surgery is not performed. When BCG is administered via Intravesical Therapy, also use code 16. In addition, also code the item under "Immunotherapy" as code 01.

No specimen sent to pathology from surgical events 10-16.

20 Local tumor excision, NOS
- 26 Polypectomy
- 27 Excisional biopsy

Any combination of 20 or 26-27 WITH
[SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
- 21 Photodynamic therapy (PDT)
- 22 Electrocautery
- 23 Cryosurgery
- 24 Laser ablation

25 Laser excision

Specimen sent to pathology from surgical events 20-27.

30 Partial cystectomy

50 Simple/total/complete cystectomy

60 Radical cystectomy (male only)
[SEER Guideline: This code is used only for men. It involves removal of bladder and prostate, with or without urethrectomy. The procedure is also called cystoprostatectomy. If a radical cystectomy is the procedure for a woman, use code 71.]
- 61 Radical cystectomy PLUS ileal conduit
- 62 Radical cystectomy PLUS continent reservoir or pouch, NOS
- 63 Radical cystectomy PLUS abdominal pouch (cutaneous)
- 64 Radical cystectomy PLUS in situ pouch (orthotopic)

70 Pelvic exenteration, NOS
- 71 Radical cystectomy (female only); anterior exenteration

A radical cystectomy in a female includes removal of bladder, uterus, ovaries, entire

vaginal wall, and entire urethra.

72 Posterior exenteration

73 Total exenteration

Includes removal of all pelvic contents and pelvic lymph nodes.

The lymph node dissection should also be coded under Scope of Regional Lymph Node Surgery (NAACCR Item #1292) ***or Scope of Regional Lymph Node Surgery at This Facility (NAACCR Item #672)*****.**

74 Extended exenteration
Includes pelvic blood vessels or bony pelvis.

80 Cystectomy, NOS

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

BRAIN

Meninges C70.0-C70.9, Brain C71.0-C71.9,
Spinal Cord, Cranial Nerves and Other Parts of Central Nervous System C72.0-C72.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Do not code laminectomies for spinal cord primaries.

Codes

00 None; no surgery of primary site; autopsy ONLY

10 [Local] Tumor destruction, NOS
No specimen sent to pathology from surgical event 10.

Do not record stereotactic radiosurgery as tumor destruction. It should be recorded in the radiation treatment item *Regional Treatment Modality* (NAACCR Item # 1570).

20 Local excision (biopsy) of lesion or mass
Specimen sent to pathology from surgical event 20.

40 Partial resection [NOS]

55 Gross total resection [formerly SEER codes 31, 32, 50, 60]

90 Surgery, NOS

99 Unknown if surgery performed; death certificate ONLY

THYROID GLAND

C73.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY

13 Local tumor destruction, NOS
No specimen sent to pathology from surgical event 13.

25 Removal of less than a lobe, NOS [formerly SEER code 10]

26 Local surgical excision [formerly SEER code 11]

27 Removal of a partial lobe ONLY [formerly SEER code 12]

Specimen sent to pathology from surgical events 25-27.

20 Lobectomy and/or isthmectomy
- 21 Lobectomy ONLY
- 22 Isthmectomy ONLY
- 23 Lobectomy WITH isthmus

30 Removal of a lobe and partial removal of the contralateral lobe
40 Subtotal or near total thyroidectomy
50 Total thyroidectomy
80 Thyroidectomy, NOS
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

LYMPH NODES

Lymph Nodes C77.0-C77.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
19 Local tumor destruction or excision, NOS [formerly SEER code 10 under spleen and lymph nodes]
Unknown whether a specimen was sent to pathology for surgical events coded to 19 (principally for cases diagnosed prior to January 1, 2003).
15 Local tumor destruction, NOS
No specimen sent to pathology from surgical event 15.
25 Local tumor excision, NOS
Less than a full chain, includes a lymph node biopsy.
30 Lymph node dissection, NOS
- 31 One chain
- 32 Two or more chains

40 Lymph node dissection, NOS PLUS splenectomy
- 41 One chain
- 42 Two or more chains

50 Lymph node dissection, NOS and partial/total removal of adjacent organ(s)
- 51 One chain
- 52 Two or more chains

60 Lymph node dissection, NOS and partial/total removal of adjacent organ(s) PLUS splenectomy (Includes staging laparotomy for lymphoma.)
- 61 One chain
- 62 Two or more chains

90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

ALL OTHER SITES

C14.1-C14.8, C17.0-C17.9, C23.9, C24.0-C24.9, C26.0-C26.9, C30.0-C 30.1, C31.0-C31.9, C33.9, C37.9, C38.0-C38.8, C39.0-C39.9, C48.0-C48.8, C51.0-C51.9, C52.9, C57.0-C57.9, C58.9, C60.0-C 60.9, C63.0-C63.9, C68.0-C68.9, C69.0-C69.9, C74.0-C74.9, C75.0-C75.9
(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Codes

00 None; no surgery of primary site; autopsy ONLY
10 Local tumor destruction, NOS
 11 Photodynamic therapy (PDT)
 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
 13 Cryosurgery
 14 Laser
 No specimen sent to pathology from surgical events 10-14.
20 Local tumor excision, NOS
 26 Polypectomy
 27 Excisional biopsy
 Any combination of 20 or 26-27 WITH
 [SEER Guideline: the following codes INCLUDE local tumor excision, polypectomy or excisional biopsy]
  21 Photodynamic therapy (PDT)
  22 Electrocautery
  23 Cryosurgery
  24 Laser ablation
 25 Laser excision
 Specimen sent to pathology from surgical events 20-27.
30 Simple/partial surgical removal of primary site
40 Total surgical removal of primary site; enucleation
 41 Total enucleation (for eye surgery only)
50 Surgery stated to be "debulking"
60 Radical surgery
 Partial or total removal of the primary site WITH a resection in continuity (partial or total removal) with other organs.
 [SEER Guideline: in continuity with or "en bloc" means that all of the tissues were removed during the same procedure, but not necessarily in a single specimen]
90 Surgery, NOS
99 Unknown if surgery performed; death certificate ONLY

UNKNOWN AND ILL-DEFINED PRIMARY SITES

C76.0-C76.8, C80.9

(Except for M-9750, 9760-9764, 9800-9820, 9826, 9831-9920, 9931-9964, 9980-9989)

Code

98 All unknown and ill-defined disease sites, WITH or WITHOUT surgical treatment.
 Surgical procedures for unknown and ill-defined primaries are to be recorded using the data item Surgical Procedure/Other Site (NAACCR Item #1294) *or Surgical Procedure/Other Site at This Facility (NAACCR Item #674)*.
[99 Death certificate only]

Appendix S: DSQC Memos

Appendix S

Data Standards and Quality Control

Memo Log

DSQC #2006-01 **Rescind:** DSQC Memo 2002-08 - Coding Complex Morphologic Diagnoses, 3/3/06

DSQC #2005-01 2004 Data Changes Training Issues/FAQ: Benign Brain Tumors, 03/01/05

DSQC #2005-01 2004 Data Changes Training Issues/FAQ: Collaborative Staging, 03/01/05

DSQC #2005-02 Fine Needle Aspiration of Regional Lymph Nodes, 07/11/05

DSQC #2005-03 Unknown Social Security Number, 07/11/05

DSQC #2005-04 Melanoma Surgery Code Guidelines, 08/05/05

DSQC #2005-05 Use of SEER*Rx and Drugs Changing Categories, 11/25/05

DSQC #2003-01 Histology Code for Mucinous Adenocarcinoma in a Villoglandular Polyp, 03/31/03

DSQC #2003-02 Surgery of Primary Site - Breast, 09/01/03

DSQC #2003-03 Multiple Primaries - Breast, 12/08/03

DSQC #2003-04 ACoS Data Items, 12/08/03

DSQC #2003-05 SEER Coders & Abstractors Workshop Documents (May 2003), 12/08/03

DSQC #2002-01 Clarification: Reportable In Situ Terms, 1/28/02

DSQC #2002-02 Melanoma Surgery Codes, 1/28/02

DSQC #2002-03 SEER Prostate Guidelines

DSQC #2002-05 Revision of Extension Codes for Breast Cancer, 3/12/02

DSQC #2002-06 Race/Ethnicity Code Documentation, 07/23/02

DSQC #2002-07 SEER Coders & Abstractors Workshop Documents (May 2002), 8/1/02

DSQC #2002-08 Coding Complex Morphologic Diagnoses (revised 8/02)

DSQC #2001-01 Benign and Uncertain Behavior Brain and CNS Tumors, 03/27/01

DSQC #2001-02 Race and Ethnicity Code Documentation, 05/05/01

DSQC #2001-03 Anal Intraepithelial Neoplasia, Grade III, 05/04/01

DSQC #2001-04 Pilocytic/Juvenile Astrocytoma, 05/04/01

pDSQC #2001-05 Rescind: Race & Ethnicity/pending, 08/13/01

DSQC #2001-06 ICD-O-2 to ICD-O-3 Conversion, 08/17/01

DSQC #2001-07 SEER Documents, 11/12/01

DSQC #2000-01 Prostate Extension Codes 33 And 34, 01/24/00

DSQC #2000-02 Guideline: Coding EOD for Non-Surgical Cases with Limited Or Ambiguous Information, 02/28/00

DSQC #2000-03 Guideline: General Visual Editing Guidelines, 02/28/00

DSQC #2000-04 Use of Colonoscopy Measurements for Assigning Colon Subsite Code, 03/08/00

DSQC #2000-05 Breslow Thickness and Clark Level of Invasion, 03/08/00

DSQC #2000-06 Focus, Focal and Foci, 03/08/00

DSQC #2000-07 Rescind: Coding Prostate Clinical EOD, 03/08/00

DSQC #2000-08 Type of Recurrence, 05/05/00

DSQC #2000-09 Coding Non-Hodgkin's Lymphoma Histology, 10/31/00

DSQC #2000-10 Errata and Corrections to the Third Edition of EOD 1988, 10/31/00

DSQC #2000-11 Tumor Size for Combined In Situ-Invasive Tumor, 12/18/00

DSQC #2000-12 Data Changes for 2001, 12/18/00

How to Use Prostate Extension Codes 33 and 34

Source: DSQC #2000-01 Guideline: Prostate Extension Codes 33 & 34, 01/24/00

The CCR realizes that medical record information is limited regarding tumors arising in or extending to the apex. In order for registrars to code extension consistently, the following operational rules apply. These rules apply to assigning both clinical and pathological extension codes.

Use code 33 when the apex is the only area identified as involved with tumor.

> *Example:* Biopsy of the apex is positive for adenocarcinoma. Biopsies of right and left lobes are negative for malignancy.

Use code 34 when the apex and any other sections of the prostate are positive for tumor.

> *Example:* Biopsies of left and right apex and left posterior lobe positive for adenocarcinoma.

Coding EOD for Non-Surgical Cases with Limited or Ambiguous Information

Source: DSQC #2000-02 Guideline: EOD for Non-Surgical Cases, 02/28/00

EOD coding works well for cases that are surgically treated such as colon and breast. EOD is not as accurate for cases that do not have a surgical resection. When EOD coding is based exclusively on clinical information (physical exam, scans, and scopes), the results may be interpreted differently. When clinical information is limited, and there is no physician staging, use the following guidelines.

LIVER

Use available information.

> Example: Ultrasound of the liver showed a 2 cm. mass in the left lobe and a 3 cm. mass in the right lobe. Biopsy results stated hepatocellular carcinoma. No other work-up. Use code 65 rather than code 99.

LUNG

Lung primary with limited information and no MD staging.

If CT does not mention tumor outside lung, use extension code 10.

> Note: CXR may not be used to determine tumor extension outside the lung.
>
> Note: If there is no lung CT, tumor size can be coded from the CXR.

CT makes no mention of mediastinal adenopathy, follow the CCR 0 vs. 9 memo for the single digit lymph node code.

NODAL LYMPHOMA

Lymphoma primary with biopsy only, limited information, and no MD staging.

Physical exam must contain statement regarding all palpable lymph nodes or a statement such as "no other adenopathy", "examination within normal limits", or "remainder of exam within normal limits".

There must be a CT of chest <u>and</u> abdomen.

If the above two criteria are not in the medical record then use extension code 99.

> Example: Patient presents with cervical mass, which is biopsied and positive for lymphoma. No other information in medical record. Code 99.

PANCREAS

Obstruction, NOS.

Carcinoma of the head of pancreas causes obstruction of the common bile duct. When there is no information to determine if the obstruction is caused by direct extension into the common bile duct or extrinsic obstruction due to an enlarging mass localized in the head of pancreas and surrounding the common bile duct, use code 99.

General Visual Editing Guidelines

Source: DSQC #2000-03 Guideline: General Visual Editing Guidelines, 02/28/00

The visual editor will not change a code and count a discrepancy unless standard cancer registry reference materials can support the change. These reference materials include:

- Volume 1, California Cancer Registry
- SEER Extent of Disease Manual
- ICD-O
- CCR Inquiry System
- SEER Inquiry System
- CCR/Data Standards and Quality Control Unit memos and guidelines imprinted with "Statewide Distribution"
- Volume 2, ROADS
- ACOS Inquiry and Response System

Ambiguous/Inconsistent Information

The registrar is responsible for clarifying ambiguous information. If there is conflicting information in the medical record, it is the responsibility of the registrar to try to obtain physician staging or clarification and to document this information on the abstract prior to submitting the abstract. If no further information was obtainable/available prior to submitting the abstract, the registrar should document on the abstract that no further information was available prior to submitting the abstract.

> Example: When a CT mentions brain lesions, lytic lesions, adrenal masses, or other descriptions that may indicate metastases, and there is no physician statement to clarify the ambiguous description, the registrar must try to obtain physician staging or clarification and to document the outcome on the abstract before submitting the abstract.
>
> Example: The physical examination states there is a lesion in the right cervical area. Op report states the lesion is on the left. CT scan states the lesion is on the right. The pathology report does not state which side the biopsy was taken from. The registrar should state in the remarks section "no further information available to determine on which side of the neck the lesion was located." Therefore, the primary site [or extension, lymph node EOD, etc.] was coded as unknown [or NOS].

Query vs. Discrepancy

If a code is not supported by documentation on the abstract, then it will be counted as a discrepancy.

> Example: The abstract has the tumor size coded as 024, but there is no mention of the tumor size anywhere in the text of the abstract. Tumor size will be changed to 999 and this will be counted as a discrepancy.

If the registrar does not clarify ambiguous information, then it will be counted as a discrepancy.

> Example: The abstract has the following information submitted: patient name as Mei Ling Chang, race as white, Spanish as Cuban. The region will query the registrar for correct race and Spanish code. In addition, this will be counted as a discrepancy since the registrar did not clarify the ambiguous information in the original text of the abstract.

New Information/Guidelines

New information regarding abstracting standards is sent by the CCR to the regional registries for distribution to all registrars. Discrepancies resulting from this new information will not be counted for one month (30 days) after statewide distribution. The Date Completed on the abstract will be the date the visual editor will use to calculate the 30 day time frame.

> Example: The Guideline for Prostate Codes 33 and 34 has a January 24, 2000, Statewide Distribution date. Information contained in the guideline will not be counted as a discrepancy unless the Date Completed on the abstract is later than February 24, 2000.

Extension Code Unknown (99)

If you know the extent of the tumor is at least regional but are not sure if it is more than that, and there is no physician TNM, code to regional.

> Example: Chest CT: 4 cm pleural based mass RUL with mediastinal adenopathy. Questionable mass right adrenal gland. If querying the physician for more information regarding stage has no results: code as regional rather than unknown.

Ambiguous Terms Not Listed in Vol. 1

If a term or description used is not included in the ambiguous terms for diagnosis or involvement in Vol. 1, page 87 and 98 or SEER EOD Code Manual, page 2, but the language is commonly understood to mean diagnostic or involvement, then accept the term or description.

> Example: CT showed an 8 cm. mass in the right kidney that "must be considered a hypernephroma until proven otherwise." Interpret as diagnostic.

If a physician states that an organ is malignant and the only abnormal findings on a scope, scan, or operative report describe a mass, nodule(s) or lesion(s) in that organ, it can be assumed that the mass, nodules or lesions represent the malignancy.

Similarly, if a physician states that an organ is involved with metastasis, and the scope, scan or operative report only describes a mass, nodule(s) or lesion(s) in that organ, you can assume that the mass, nodules or lesions represent the metastasis.

> Example: Chest CT: right pleural effusion; 2 lesions, one in RUL and one just inferior to this; nodules left lung in mid lung and 3 densities in LLL. FDX: metastatic lung ca.

Discussion: Assume that the nodules and densities are metastases and code extension as 78, contralateral lung.

Ambiguous TNM

In order to use the guideline for TNM in the SEER EOD manual, 3rd Edition, General Instructions, the TNM coder must be the physician (codes 1-4). If the TNM coder is the physician and registrar (code 6), the abstractor must document which element (T,N,M) the physician coded. If no documentation is provided, the TNM information will be disregarded and the visual editor will code extent of disease from all of the submitted documentation.

Day of Month for Four Month Rule for Coding EOD

For coding EOD when the day of the month is unknown, use information up through the last day of the fourth month, or until the completion of first course of treatment.

Example: Date of Diagnosis is 02/99/1999. Use information through 06/30/1999, or through first course of treatment.

CCR Statement Concerning Use of Colonoscopy Measurements for Assigning Colon Subsite Code

Source: DSQC #2000-04 Policy: Use of Colonoscopy Measurements, 03/08/00

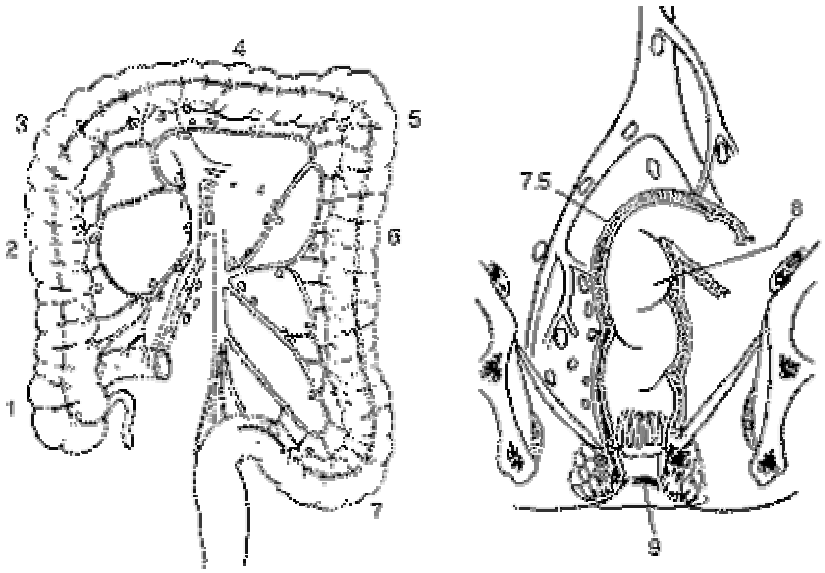
There are numerous references and training guides available that provide approximate measurements of the segments of the large colon. These measurements can vary several centimeters per segment. If there is no other information given regarding subsite except for the measurement given in the colonoscope, the measurement may be used to assign subsite. If the colonoscope measurement is used to assign a specific subsite, the CCR's standard reference is the colon diagram in the *AJCC Cancer Staging Manual, 5th Edition.*

If there is conflicting information in the medical record with regard to subsite and there is no surgical resection, code the subsite as stated by the physician. If there is a surgical resection, code the subsite as stated in the operative report, or a combination of the operative report and pathology report.

With regard to visual editing, if a case is coded to subsite .9 by the abstractor, the visual editor may change the code to a more specific subsite based on the CCR's standard reference, but this will not be counted as a visual editing discrepancy. Conversely, if the abstractor uses the colonoscopy information to assign a more specific subsite to a .9, this will not be counted as a discrepancy.

From *AJCC Cancer Staging Manual, 5th Edition*, page 85.

A



B

	MEASUREMENT FROM ANAL VERGE	AVERAGE SEGMENT LENGTH	
		GRAY'S	TNM
Anus	0 - 4 cm	4 cm	4 - 5 cm
Rectum	4 - 16 cm	12 cm	12 cm
* Rectosigmoid	(at 15 - 17 cm)		
Sigmoid	17 - 57 cm	40 cm	n/a
Descending	57 - 82 cm	25 cm	10 - 15 cm
Transverse	82 - 132 cm	50 cm	n/a
Ascending	132 - 147 cm	15 cm	15 - 20 cm
Cecum	at 150 cm	6 cm	6 cm

(Total length of large intestine approximately 150 cm.)

The rectosigmoid of of anatomic and surgical importance because of the blood supply and the disappearance of the mesosigmoid. While the rectosigmoid is truly a junction, some authors include 1 inch of the sigmoid above and 1 inch of rectum below and refer to it as the rectosigmoid region.

These measurements are APPROXIMATIONS ONLY. Each person is different and these measurements should be used as GUIDELINES ONLY.

FIG. 12-1. The anatomic areas of the colon and rectum are: cecum (1); ascending colon (2); hepatic flexure (3); transverse colon (4); splenic flexure (5); descending colon (6); sigmoid (7); rectosigmoid (7.5); rectum (8); anal canal (9).

Breslow Thickness and Clark Level of Invasion

Source: DSQC #2000-05 Clarification: Breslow Thickness and Clark Level of Invasion, 03/08/00

Question: If only the thickness is given in the final diagnosis, can this be used to determine EOD extension along with the microscopic description?

Example: Can depth of invasion 1.7 mm (ulcerated) be converted to Clark's Level IV which equals extension 31?

Answer: No, depth of invasion cannot be converted to a "Clark" level and then to an EOD extension code. The correct answer for this question is TS 170 and EOD extension 41, involvement of the skin/dermis, NOS with ulceration. A researcher analyzing melanomas could include this case if studying "Breslow" measurements but not include it if studying "Clark" levels.

Per April Fritz and Carol Johnson, SEER, "Breslow" thickness and "Clark" level of invasion are completely separate measurements. There is not an exact correlation between the measured depth of the tumor and the invasion of the individual layers of the skin because measurements (depth) of the layers of skin vary from person to person and anatomic site to anatomic site. All you know about the case is that the melanoma measured 1.7 mm and was ulcerated. In a heavily calloused area, 1.7 mm could be above the papillary-reticular dermal interface or into the reticular dermis--you just don't know.

AJCC states to assign a T3 if a Breslow's thickness between 1.5 and 4 mm deep can be proven or Clark's level I, invasion of the reticular dermis, can be proven. It does not state that tumor between 1.5 and 4 mm is equivalent to Clark's level IV.

Focus, Focal and Foci

Source: DSQC #2000-06 Clarification: Focus, Focal and Foci, 03/08/00

Question: Does the term focal mean the same thing as focus and foci when coding tumor size?

Answer: No. Focus and foci are microscopic descriptions and are coded 001 when no other information is available. Focal refers to an area of involvement, focal should be coded 999.

The SEER Inquiry System Question and Answer #75 (4/94) states focus, focal and foci are variations of the same word. At the 5/99 SEER Coder and Abstractor Workshop, an answer was given which stated that focal does not equal focus and foci. Focal refers to an area of involvement. According to Carol Johnson, SEER, the 5/99 workshop response takes precedence over the SINQ question. It is a newer interpretation based on actual usage of the words in pathology reports.

Below are some examples of diagnoses from pathology reports followed by the correct tumor size.

1) focal adenocarcinoma - TS 999

2) microfocus of adenocarcinoma - TS 001

3) multiple foci of adenocarcinoma in specimen - TS 001

4) multifocal adenocarcinoma in specimen - TS 999

5) microscopic focus of adenocarcinoma in multiple fragements - TS 001

6) focal adenocarcinoma in chips - TS 999

7) focal adenocarcinoma in 5% of specimen - TS 999

Rescind Guidelines for Coding Prostate Clinical EOD

Source: DSQC #2000-07 Policy: Rescind Guidelines for Coding Prostate Clinical EOD, 03/08/00

As you are aware, the Data Standards and Quality Control Unit has performed two separate recoding audits on cancer of the prostate during the past year. The results of these audits showed that the use of Guidelines for Coding Prostate Clinical EOD, dated August 10, 1998, had resulted in cases being coded unknown (Code 90) when there was sufficient information on the abstract to assign a more specific code. In addition, it was apparent that not all registrars and regions were using this guideline. We have decided to rescind the use of Guidelines for Coding Prostate Clinical EOD. Please use the instructions in the SEER Extent of Disease Manual for assigning and visual editing codes. This change will be effective with cases diagnosed January 1, 2000.

Clarification on Type of First Recurrence and Other Type First Recurrence

Source: DSQC #2000-08 Clarification: Clarification on Type of Recurrence, 05/05/00

The California Cancer Registry received the attached memo to Software Vendors and State Cancer Registries dated, March 6, 2000, from the Commission on Cancer. It was also sent to hospital cancer registrars in January. This clarification refers to data items **1880 Type of First Recurrence** and **1890 Other Type First Recurrence** with regard to California Cancer Registry reporting requirements. Although the Commission recommends that software be changed to enable cancer registrars to use these two fields to report invasive cases initially diagnosed as in situ, the California Cancer Registry follows SEER reporting requirements for multiple primaries; therefore, these codes cannot be used to meet this requirement.

Also, while it was the Commission's intention to take the responsibility for abstracting these cases away from hospital cancer registrars, the mechanism recommended would place the responsibility of abstracting the invasive case on the regional registries. In order to do this, the regional registry would have to contact the hospital cancer registrar for the medical record information. The hospital cancer registrar would still be involved with reporting these cases.

Because the addition of these codes will not result in less work for either hospital or regional cancer registries, we require that hospital cancer registrars continue to follow the CCR/SEER reporting requirements by abstracting both the in situ and invasive cancer case.

Clarification on Coding Non-Hodgkin's Lymphoma Histology

Source: DSQC #2000-09 Clarification: Clarification on Coding Non-Hodgkin's Lymphoma Histology, 10/31/00

The CCR has received a clarification from SEER regarding coding histology for Non-Hodgkin's Lymphoma. According to SEER, "Cases should be coded to the most current classification, either the Revised European-American Classification of Lymphoid Neoplasms (REAL) or the WHO, which is based on the REAL. The REAL, or WHO, classifies lymphomas according to the cell line (T or B or NK) from which the lymphoma arose. This reflects contemporary thinking in lymphomas." Therefore, the REAL, or WHO, classification has priority when coding Non-Hodgkin's Lymphoma. Ignore the SEER rule of coding to the highest morphology code number.

A document containing the REAL Classification of Lymphomas was distributed by the CCR in May 1998. Please refer to this document for the appropriate codes. If you do not have a copy of this document, contact your regional registry.

This change is effective October 31, 2000. It is not necessary to go back and recode cases that have already been abstracted or transmitted.

The CCR also wants to clarify how to code the term *malignant lymphoma, follicular center cell.* Code to 9690 - Follicular Lymphoma.

Errata and Corrections to the Third Edition of Extent of Disease 1988

Source: DSQC #2000-10 Clarification: Errata and Corrections to the Third Edition of EOD 1988, 10/31/00

The California Cancer Registry received "Errata and Corrections to the Third Edition of Extent of Disease 1988" at the SEER Abstractors and Coders Workshop in Albuquerque, New Mexico in May 2000. Since its distribution at this meeting, it has been updated (July 1, 2000).

Many of the changes in this errata are editorial corrections to the Extent of Disease manual. There are some changes, however, that will require review and recoding. These are noted in bold in the "Change/addition" column. There are also changes that were not bolded for review in the errata, but need to be reviewed and recoded. These are Soft palate, p. 2 - delete code 50, add code 65 for "Hard palate" and Liver, p. 3 - delete code 75, add code 62 for "Gallbladder."

The CCR is in agreement with SEER and requires that all of the changes in this errata take place immediately and are retroactive to cases diagnosed January 1, 1998 and later.

Tumor Size for Combined *In Situ*-Invasive Tumor

Source: DSQC #2000-11 Clarification: Tumor Size for Combined In Situ-Invasive Tumor, 12/18/00

The CCR has received clarification from SEER regarding coding tumor size for *in situ*-invasive tumors when the *in situ* component is described as a minor component.

When a pathology report describes tumor size as invasive with a minor component of *in situ*, then code the total tumor size. Minor component is defined as: less than 5%, foci of tumor, or stated as "minor component."

Data Changes for 2001

Source: DSQC #2000-12 Guideline: Data Changes for 2001, 12/18/00

As you are aware there are a couple of significant changes that are effective with cases diagnosed January 1, 2001. The first of these changes is the implementation of the third edition of the *International Classification of Diseases for Oncology (ICD-O-3)* and the other is the change in reporting legislation that requires the reporting of benign and uncertain behavior intracranial and central nervous system (CNS) tumors. The following will assist you in coding and collecting these cases.

Intracranial and CNS Tumors

Benign and uncertain behavior intracranial and CNS tumors are required effective with January 1, 2001 cases, as noted above. Since you will need to begin casefinding in January, two lists are attached to assist you. The first list includes intracranial and CNS histologies that are now reportable. The second list includes ICD-9-CM codes to assist you in casefinding in medical records. These tumors are to be sequenced following the American College of Surgeons'Commission on Cancer guideline for tumor sequencing, *i.e.*, alpha characters - AA for the first tumor, BB for the second, etc. With regard to staging these tumors, the CCR is not requiring that they be staged at this time. We recommend that you code EOD Extension 99 (Unknown) for these cases. If your registry uses SEER Summary Stage, we recommend that you code them to Code 9. There may be registries that have been collecting benign brain tumors prior to this change in legislation. If you have been assigning codes/stages to them in the past, we recommend that you continue this practice. The CCR requires that follow up be performed on these cases in hospitals that routinely perform follow up to meet Commission on Cancer requirements.

ICD-O-3

The histology for cases diagnosed January 1, 2001 is to be coded using ICD-O-3. The histology for cases diagnosed prior to this date is to be coded using ICD-O-2. There will be separate fields available in CNExT for coding these histologies. There are histologies that changed from malignant to borderline and vice versa in ICD-O-3. One of these is juvenile astrocytoma - Code 9421 (see DSQC Memo #2001-04). ~~The NAACCR Uniform Data Standards Committee voted to continue to collect these tumors. The CCR will also require that these continue to be collected; however, behavior should be coded /1(uncertain behavior) instead of /3 (malignant). The reason for collecting these as /1 is because of the new legislation requiring the collection of benign and uncertain behavior intracranial tumors. It was felt that it would be less confusing to collect these under the correct behavior code.~~ Cases diagnosed prior to January 1, 2001 should continue to be coded /3.

Borderline ovarian tumors changed from malignant to borderline in ICD-O-3. The California Cancer Registry will require the continued collection of borderline ovarian tumors due to their potential to become malignant and because there are a number of studies underway in the state that include these tumors. They are also to be sequenced following American College of Surgeons guidelines for benign tumors. Behavior should be coded to /1 (borderline behavior). Although the behavior of these tumors has changed, follow up should be performed on these patients.

NAACCR formed an ICD-O-3 Working Group to address many of the questions that have been asked by both cancer registrars and cancer registry software vendors. A document entitled, *Guidelines for ICD-O-3 Implementation* was prepared to answer these questions. It was agreed that this document would be distributed widely by NAACCR, SEER and the American College of Surgeons' Commission on Cancer so you should be receiving it soon. It will also be available on the Web Sites of these organizations(SEER – *http://www.seer.cancer.gov*; NAACCR - *http://www.naaccr.org*; COC - *http://www.facs.org*). If you have not received a copy of this document, we would recommend that you download it and review it carefully. It contains an appendix with the list of histology changes in ICD-O-3 that can be used in conjunction with your ICD-O-2 manual until you are able to obtain an ICD-O-3 manual.

As many of you are aware, SEER has developed a training module on ICD-O-3 that is on its Web Site. In addition, a videoconference is planned for January 9, 2001. Your regional registries will be providing you with information as to sites for the videoconference. The CCR, in addition, will be developing a document

that will include all of the available sites in the state for those of you who may not be able to get to the videoconference in your region. As with the Surgery Codes videoconference, the CCR will be making copies of the videoconference to be provided to your regional registries for those of you who will be unable to participate that day. We recommend your participation in both of these activities.

We will continue to provide you additional information regarding ICD-O-3 and benign and uncertain behavior brain tumors through your regional registries.

Casefinding Benign and Uncertain Behavior Brain and CNS Tumors - ICD-O-3 Codes

Based on WHO Classification of CNS Tumors and Central Brain Tumor Registry of the United States

Source: DSQC #2001-01 Guideline: Casefinding Benign and Uncertain Behavior Brain and CNS Tumors, 03/27/01

ICD-O-3 HEADING	NAME	CODE
Adenomas and Adenocarcinomas 814-838	*Chromophobe adenoma*	*8270/0*
	Prolactinoma	*8271/0*
	Pituitary adenoma	8272/0
	Acidophil adenoma	*8280/0*
	Mixed acidophil-basophil adenoma	*8281/0*
	Basophil adenoma	*8300/0*
Nevi and Melanomas 872-879	*Diffuse melanocytosis*	*8728/0*
	Meningeal melanocytoma	*8728/1*
Germ Cell Neoplasms 906-909	Benign teratoma	9080/0
	Teratoma, NOS	9080/1
Miscellaneous 935-937	Craniopharyngioma	9350/1
	Adamantinomatous Craniopharyngioma	*9351/1*
	Papillary Craniopharyngioma	*9352/1*
	Pinealoma	9360/1
	Pineocytoma	9361/1
Gliomas 938-948	Subependymoma	*9383/1*
	Subependymal giant cell astrocytoma	9384/1
	Choroid plexus papilloma, NOS	9390/0
	Atypical chorioid plexus papilloma	9390/1
	Myxopapillary ependymoma	9394/1
	Desmoplastic astrocytoma of infancy	9412/1
	Dysembryoplastic neuroepithelial tumor	9413/1
	Pilocytic astrocytoma	9421/1
	Gliofibroma	9442/1
	Chordoid glioma	9444/1
Neuroepitheliomatous Neoplasms 949-952	Ganglioneuroma	9490/0
	Ganglioneuromatosis	9491/0
	Gangliocytoma	9492/0
	Dysplastic gangliocytoma of cerebellum	9493/0
	Ganglioglioma, NOS	*9505/1*
	Central neurocytoma	9506/1
	Pacinian tumor	9507/0
Meningiomas 953	Meningioma, NOS	9530/0
	Meningiomatosis	9530/1
	Meningothelial meningioma	9531/0
	Fiborus meningioma	9532/0
	Psammomatous meningioma	9533/0
	Angiomatous meningioma	9534/0
	Hemangioblastic meningioma	9535/0
	Transitional meningioma	9537/0
	Clear cell meningioma	*9538/1*
	Atypical meningioma	9539/1
Nerve Sheath Tumors 954-957	Neurofibroma	9540/0
	Neurofibromatosis	*9540/1*
	Melanotic neurofibroma	*9541/0*
	Plexiform neurofibroma	9550/0
	Schwannoma	9560/0
	Acoustic Neuroma	9560/0
	Neurinomatosis	*9560/1*
	Neurothekeoma	*9562/0*
	Neuroma	*9570/0*
	Perineurioma	9571/0

Race and Ethnicity Code Documentation

Source: DSQC #2001-02 Guideline: Race and Ethnicity Documentation, 05/04/01

All race codes must be supported by text documentation. This information must be documented in the Remarks or Physical Examination field, with the exception of race code 88 (no further race documented). Documentation should include each race and ethnicity specified and the source of this information. Search beyond the face sheet for a more specific race and/or ethnicity.

Examples of statements in the Remarks or Physical Examination field are as follows:

> Pt is Filipino per the H&P.
>
> Pt is Hispanic, NOS, per consult.
>
> Pt is Cuban per physician notes.
>
> Race is White per face sheet.
>
> No race information available in chart.

Replaced by **DSQC #2002-06**.

Anal Intraepithelial Neoplasia, Grade III

Source: DSQC #2001-03 Clarification: AIN Grade III, 05/04/01

The CCR has received clarification from SEER regarding the reportability of Anal Intraepithelial Neoplasia (AIN), Grade III. In ICD-O-3, anal intraepithelial neoplasia, grade III, (C.21.1) is coded to 8077/2 and is reportable to the CCR beginning with cases diagnosed January 1, 2001 forward. Cases diagnosed AIN, Grade II-III, are also reportable beginning with cases diagnosed January 1, 2001 forward.

Change in Reporting Pilocytic/Juvenile Astrocytoma

Source: DSQC #2001-04 Clarification/Change: Pilocytic/Juvenile Astrocytoma, 05/04/01

Pilocytic/juvenile astrocytoma – morphology code 9421 must be reported to the CCR with a behavior code of /3. This is a change from the instructions in the Data Changes 2001 (DQSC #2000-12) statewide memorandum dated December 18, 2000, that stated to code these to a behavior of /1. This will allow the CCR to be compatible with SEER reporting requirements. These tumors will be sequenced as any other reportable malignancy, using digits, not alpha characters. This will continue to allow sequence numbers to reflect the chronological order of reportable malignancies.

Revised Guideline: Race and Ethnicity Code Documentation

Source: DSQC #2001-05 Rescind Guideline: Race & Ethnicity/pending, 08/13/01

Effective September 18, 2001, the attached race and ethnicity code documentation guideline (DSQC Memo #2001-02) has been revised to remove the requirement to document the source of race and ethnicity information. All race codes must be supported by text documentation to include each race and ethnicity specified. This information must be documented in the Remarks or Physical Examination field, with the exception of race code 88 (no further race documented). With 2002 data changes, a race and ethnicity text field will be added to the data set for documenting this information.

Replaced by **DSQC #2002-06**.

ICD-O-2 to ICD-O-3 Conversion

Source: DSQC #2001-06 Guideline: ICD-O-2 to ICD-O-3 Conversion, 08/17/01

With the transition from ICD-O-2 to ICD-O-3, a conversion program was developed by the SEER Program to be used by software vendors in cancer registries where it was elected to convert historical ICD-O-2 data to ICD-O-3 data. Please consult your software vendor instructions for this histology conversion review.

Although there are a large number of histologies flagged for review, the California Cancer Registry is only requiring hospital and regional registries to review the following:

ICD-O-2 Code	ICD-O-2 Histology
8580/3	Thymoma, malignant
8803/3	Small cell sarcoma
9731/3	Plasmacytoma, NOS

SEER Coders and Abstractors Workshop Documents

Source: DSQC #2001-07 Guideline: SEER Documents, 11/12/01

Three documents were distributed at the SEER Coders and Abstractors Workshop in May 2001:

- *Clarifications for Abstracting and Coding Hematopoietic Diseases* (see PDF document)
- *ICD-O-3 Errata and Clarifications* (see PDF document)
- **Coding and Abstracting Guide to the Hematopoietic Diseases**

  This item is obsolete and has been replaced with the SEER book, Abstracting and Coding Guide for the Hematopoietic Diseases (May 2002) [No. T-007] Pub. No. 02-5146. To order go to the SEER website.

Although *Coding and Abstracting Guide to the Hematopoietic Diseases* is a draft, please use it until a final version is available.

Please refer to these documents for assistance when abstracting these cancer sites. They are to be used for cases diagnosed January 1, 2001 and later.

For your convenience, this memorandum can be filed under Appendix S in the 6th Edition of Volume I.

A fourth document, *Clarification of Coding Rules for Prostate Cancer*, was distributed but is currently under review at the CCR. This will be distributed in the future.

[Note: the CNExT Labels files have been updated to reflect the *ICD-O-3 Errata and Clarifications* document.]

Reportable In Situ Terms

Source: DSQC #2002-01: Clarification: Reportable In Situ Terms, 1/28/02

The following is a revision of the list of reportable terms indicating in situ behavior (Volume I, Section V.3.4.2 In Situ Coding). Please note the addition of the terms AIN III, DIN 3 and LIN to this list for cases diagnosed 1/1/2001 forward. For AIN, DIN, LIN, VAIN and VIN, grade II-III is reportable. Reportable terms indicating in situ behavior include:

AIN III (anal intraepithelial neoplasia, Grade II-III or III)**
Bowen's Disease
DCIS (ductal carcinoma in situ)
DIN 3 (ductal intraepithelial neoplasia 3)**
Clark's level 1 for melanoma (limited to epithelium)
Confined to epithelium
Hutchinson's melanotic freckle
Intracystic, non-infiltrating
Intraductal
Intraepidermal
Intraepithelial
Intrasquamous
Involvement up to but not including the basement membrane
LCIS (lobular carcinoma in situ)
Lentigo maligna
LIN (laryngeal intraepithelial neoplasia)**
Lobular neoplasia, Grade III
No stromal invasion
Non-infiltrating
Non-invasive
Precancerous melanosis
Preinvasive
Queyrat's erythroplasia
Stage 0
VAIN III (vaginal intraepithelial neoplasia, Grade II-III or III)*
VIN III (vulvar intraepithelial neoplasia, Grade II-III or III)*

* Effective with cases diagnosed 1/1/1992 and later
** Effective with cases diagnosed 1/1/2001 and later
All other terms have been reportable since the region's reference date.

As a reminder, carcinoma in situ (including squamous cell and adenocarcinoma) of the cervix and Cervical Intraepithelial Neoplasia, CIN III, are not reportable effective with cases diagnosed January 1, 1996 and later. Prostatic Intraepithelial Neoplasia (PIN III), morphology code 8148/2 is also not reportable to the CCR.

Surgical Margin Clarifications for Melanoma: Surgery Codes 40 and 50

Source: DSQC #2002-02: Clarification: Melanoma Surgery Codes, 1/28/02

Clarification of surgery codes 40 and 50 for surgical margins of melanoma has recently been provided by the Commission on Cancer. Please make the following changes as noted:

Code 40	Wide excision or re-excision of lesion or minor (local) amputation, NOS. Margins of excision are 1 cm or less. Margins may be microscopically involved. Local amputation is the surgical resection of digits, ear, eyelid, lip or nose.
Code 50	Radical excision of a lesion, 1 cm or more, NOS Margins of excision are greater than 1 cm and grossly tumor free. The margins may be microscopically involved.

SEER Prostate Guidelines

DSQC #2002-03 GUIDELINE: SEER Prostate Guidelines
EFFECTIVE: Cases Diagnosed on or after 1/1/2001

The SEER Prostate Guidelines (see PDF document) are effective with cases diagnosed 1/1/01 and forward. Upon review of these guidelines, the CCR feels there are no major changes to the manner in which we have been coding extension for prostate cases. However, the CCR asks that you review all prostate cases diagnosed 1/1/01 forward for consistency in following these guidelines.

- Note on Page 4 - with SEER's permission, a CCR note has been added to clarify when to use PSA coding guidelines.
- Regarding date of diagnosis, please follow the rules in Volume I, III.3.3.
- Regarding Example 4 on page 2, April Fritz provides this clarification,

> "For Example 4 on page 2, the pathologic code should be 20. We recognize that the first sentence under the PATHOLOGIC EOD section could be phrased more clearly (and it will be in the next iteration). The intent of the statement is to allow histologic information from clinical staging (i.e. needle biopsy or TURP tissue) to supplement information from the prostatectomy. The statement is a variation of Note 3, page 138 of the SEER EOD manual, 3 rd edition. The guidelines are intended to supplement the notes in the EOD book, not contradict them."

As a reminder, clinical information that is disproven by the pathology of the prostatectomy specimen should NOT be used. April adds,

> "In Example 3, the clinically identified hard nodule turned out to be an adenoma in the right apex. The remainder of the prostatectomy specimen reported only tumor involving the left lobe and was silent on anything else in the prostate, including the left apex. Had there been a bilateral positive biopsy of the apex or a needle biopsy of the left apex, we agree that the appropriate code should be 34. But without it, the best pathologic extension code to use is 20, involvement of one lobe."

EOD Lymph Node Summary Field: 0 vs 9 Guideline

DSQC #2002-04 Guideline Revision: EOD Lymph Node Summary Field: 0 vs 9 Guideline, 6/27/02
EFFECTIVE: Cases Diagnosed 1/1/2002 Forward

Attached please find the revised version (see PDF document) of the EOD Lymph Node Summary Field, 0 vs. 9 Guideline (original statewide distribution date of July 10, 1999). This version replaces the original document. The changes to the document are italicized for your convenience.

Along with providing more clarification, this revision contains:

- SEER Guidelines for lymph node involvement specific to prostate primaries
- Changes - Use code 0 for lymph nodes not mentioned at time of surgery or if radiologic studies are performed and lymph nodes are not mentioned
- Deletion - Use code 9 when there is lymphadenopathy mentioned on radiology studies and no clear documentation which indicates involvement by cancer

Revision of Extension Fields for Breast Cancer

Source: DSQC #2002-05: Guideline: Revision of Extension Fields for Breast Cancer, 3/12/2002
EFFECTIVE: June 12, 2002

The attached SEER document, Appendix 1, Revised Breast Cancer EOD Codes (Effective for cases diagnosed January 1, 1998 through December 31, 2002) is provided to supplement CNExT Version 1.2.3.

Due to the delay in implementing Collaborative Stage until 2004, these codes will be effective through December 31, 2003 diagnosis year. This effects extension code fields 10–30 and is meant to reduce the number of cases that are unstageable in the TNM conversion algorithm by capturing pathological information regarding both the in situ and invasive components of the tumor.

- The Regions have been instructed by the CCR to recode cases already submitted by the facilities.
- The online EOD manual has been updated for easy reference. This Appendix expands codes 10-30 and replaces all breast extension codes in the SEER EOD manual.
- The effective dates on Appendix 1 have been modified to read January 1, 1998 through December 31, 2003.

Reminder: Pathology text information must support SEER EOD codes.

Appendix 1

To: All SEER participants

From: April Fritz and Lynn Ries

Revision of Extension Fields for Breast Cancer

The SEER Program will expand the choices of EOD Extension codes for breast cancer to document whether the tumor size recorded is other than for purely invasive cancers.

Purpose: To reduce the number of cases that are unstageable in the TNM conversion algorithm.

Background: In the 1999 breast cancer data, it became apparent that more and more path reports were only recording the size of the entire lesion and not the invasive component (resulting in 999 codes for breast tumor size). This has lead to many breast cancer cases being staged as unknown instead of stage I or II. The graph (Appendix 2) shows that the rate of unknown breast cancer has nearly doubled between 1998 and 1999 for women 50-64 and stage I has dropped dramatically. This shift is highly likely to be due to the tumor size rule rather than an actual shift in stage.

Cases affected: All breast cancer cases with Tumor Size code 999 and Extension code 10, 20 or 30.

Diagnosis date: *Current SEER registries*: diagnosed between January 1, 1998 and December 31, 2003

Expansion SEER Registries: diagnosed between January 1, 2000 and December 31, 2003.

Procedure: Select all breast cancer cases (non-lymphomas) with '10,' '20,' or '30' in the EOD extension and '999' for tumor size diagnosed after January 1, 1998. For each case, review the case and code size and EOD extension according to the attached documentation (Appendix 1). Changes should be recorded in the file that is submitted to NCI-SEER.

Completion date: Review of cases diagnosed January 1, 1998 hrough December 31, 2000 must be completed by and included with the Feb 1, 2003 submission. If possible, the cases diagnosed in 2001 should also be reviewed by February 1, 2003, but if this is a problem for 2001 cases, they may be submitted in the August 2003 submission.

SEER Edits: To accommodate the new codes, SEER*Edits will be revised and the changes will be distributed to participating regions as soon as possible.

Note 1: Several registries have asked whether they should also review cases with tumor size codes 009 and 019. The answer is that NCI-SEER is not requiring review of those cases. If an individual registry chooses to review them, they can. The purpose of this review is to derive a tumor size that allows as many cases as possible to be converted to a TNM stage group. Codes 009 and 019 already indicate that the tumor, whether purely invasive or mixed invasive and in situ, is less than 2 cm, and therefore a TNM Tumor category of T1 can be inferred. Summary staging is not affected.

Note 2: A number of people asked about requiring software vendors to make changes in hospital registry software. The consensus is that, assuming that SEER changes over to the Collaborative Staging System with cases diagnosed January 1, 2003 and after, the ability to collect tumor size information will be captured in a different

way. It is not feasible to require hospital software vendors to make the changes for the remainder of 2002 cases and then change again for 2003.

Race/Ethnicity Code Documentation

DSQC #2002-06 GUIDELINE REVISION: Race/Ethnicity Code Documentation
(Replaces DSQC #2001-02 & 2001-05)
EFFECTIVE: July 23, 2002

Race and ethnicity are two very important data items to epidemiologists who investigate cancer. The National Cancer Institute has recognized the need to better explain the cancer burden in racial/ethnic minorities and is concerned with research on the full diversity of the U.S. population. The CCR recognizes the importance of these data items and relies on quality data to assist researchers in identifying and reducing disparities due to race and ethnicity.

1. Race code documentation must be supported by text documentation for those cases where there is conflicting information. Outlined below are examples of when text documentation would be required.

NOTE: These examples are not intended to demonstrate all possible scenarios.

Scenarios Demonstrating Conflicting Race Information:

A.	Name:	June Hashimoto	E.	Name:	Maria Tran
	Race:	White		Race:	White
	Birthplace:	Unknown		Birthplace:	Spain
	Marital Status:	Single		Marital Status:	Separated
B.	Name:	Bob Nguyen	F.	Name:	Carlos Johnson
	Race:	White		Race:	Black
	Birthplace:	Mexico		Ethnicity:	Hispanic
				Marital Status:	California
C.	Name:	Robert Jackson	G.	Name:	Arlene Thompson
	Race:	Mexican		Race:	Filipino
	Birthplace:	California		Birthplace:	California
				Marital Status:	Divorced
D.	Name:	Moon Smith			
	Race:	Japanese			
	Birthplace:	California			
	Marital Status:	Married			

2. A text statement indicating patient's race, i.e., "Pt is Japanese", is required for conflicting types of cases (see #1). This information must be entered in either the physical exam or remarks text fields.
3. Cases with conflicting information that lack supporting text documentation will be returned as queries and counted as discrepancies.
4. While race code documentation is only required when there is conflicting information, CCR recognizes the importance of race code documentation and strongly recommends that registrars continue to document race in the physical exam or remarks fields. Remember to search beyond the facesheet for the most definitive race and/or ethnicity information.
5. In version 1.2.3 of CNExT, the Remarks screen is now accessible near the demographic information in addition to where it was originally located for registrar's convenience in documenting race information.

SEER Coders & Abstractors Workshop Documents (May 2002)

DSQC #2002-07 GUIDELINE: SEER Coders & Abstractors Workshop Documents (May 2002), 8/1/02

The three attached documents were distributed at the SEER Abstractors & Coders Workshop in May 2002.

1. *Changes to SEER Data Set* (effective for cases diagnosed **1/1/03** & forward) (see PDF document)
2. *FDA Oncology Agents Not Listed in SEER Book 8* (effective for cases diagnosed **1/1/02** and forward) (see PDF document)
3. *Determining the Number of Primaries* (effective for cases diagnosed **1/1/02** and forward)

Please refer to these documents for assistance when abstracting. For your convenience, this memorandum can be filed under Appendix S in the 6th edition of Volume One.

The following documents were distributed at the workshop in May, however, they are currently being updated and/or under review by CCR. These documents will be distributed at a later date:

1. *SEER Summary Staging Manual Errata* -- An updated list is currently being developed and will be available in about 1 month. CCR will wait for the updated version for distribution.
2. *Coding Complex Morphologic Diagnoses* -- SEER is amending this information. CCR will distribute the revised version once it is available.
3. *Field & Code Changes* - DSQC staff will be meeting and discussing whether we need to retain any of these fields.
4. *NAACCR Standards* -- The table is being revised. CCR will wait for the revised document for distribution.

Determining the Number of Primaries

Trying to decide whether lesions are reportable as single or multiple primaries can be confusing. First, let's review the definition of separate sites.

1. For certain sites, a difference in the subsite indicates a separate primary. These sites are colon (C18), anus and anal canal (C21), bone (C40-C41), melanoma of skin (C44), nerves (C47), and connective tissue C49).

   For practical purposes, the only two sites where you are likely to encounter multiple primaries are colon and melanoma of the skin.

   For example, a melanoma of the skin of the arm (C44.6) and a melanoma of the skin of the leg (C44.7) are reported as two primaries.

2. For other sites, a difference in the main category (the two numbers after the C) of the site code is reported as a separate primary.

   For example, stomach (C16) and cecum (C18.0) are separate primaries and two abstracts would be prepared.

   Prepare a single abstract when there is a difference in subsite.

   For example, two separate squamous carcinomas, one of the true vocal cord (C32.0) and one of the posterior surface of the epiglottis (C32.1) are reported as a single primary because there is a difference only in subsite.

3. Table 24 in ICD-O-3 and pages 9-10 in the SEER Program Code Manual list site code groupings that are considered one primary site for reporting purposes. The groups that you are most likely to use are head and neck, genitalia and urinary system.

   Examples:

   A lesion on the soft palate (C05.1) and a lesion on the buccal mucosa (C06.0) would be reported as a single primary.

   Squamous carcinoma of the vulva (C51) and squamous carcinoma of the vagina (C52) would be reported as a single primary.

   Transitional cell carcinoma of the renal pelvis (C65) and a separate transitional cell carcinoma of the ureter (C66) would be reported as a single primary.

4. When there are multiple lesions, a difference in the first three digits of the histology code usually means different histologies.

   This means a difference in any of the first three digits of the histology code.

An angiosarcoma (9120) and an angiomyxosarcoma (8894) are different at the first digit. These are separate histologies.

A mucinous adenocarcinoma (8480) and a ductal carcinoma (8500) are different at the second digit. These are separate histologies.

An alveolar adenocarcinoma (8251) and a papillary adenocarcinoma (8260) are different at the third digit. These are separate histologies.

Oat cell carcinoma (8042) and small cell carcinoma (8041), because they are only different at the fourth digit, are the same histology for the purpose of determining the number of primaries to report.

Prepare a Single Abstract for:

1. A single lesion with one histologic type.
2. A single lesion with multiple histologic types. Code the histology in priority order: 1) a combination code if one exists; 2) a more specific code; 3) majority of the tumor; 4) higher ICD-O-3 code.

Examples:

A breast tumor with a mucinous component (8480/3) and a ductal component (8500/3) is reported as a single primary. (Code the combination histology, 8523/3.)

A colon cancer biopsy reported as adenocarcinoma, NOS (8140/3) and described as mucinous adenocarcinoma (8480/3) when resected. (Code the more specific diagnosis, 8480/3.)

A stomach carcinoma, predominantly signet ring type. (Code the majority term, 8490/3.)

A bladder tumor with transitional cell CA (8120/3) and squamous cell carcinoma (8070/3) is a single primary. (No combination code; code to higher ICD-O-3 code, 8120/3.)

3. Multiple lesions of the same histologic type, if diagnosed in the same site within two months.

For example, oat cell carcinoma (8042/3) of the LUL of the lung (C34.1) and small cell carcinoma (8041/3) of the LLL of the lung (C34.3) are a single primary.

4. An adenocarcinoma NOS and a more specific type of adenocarcinoma in the same site within two months are a single primary. This occurs most often in the colon.

For example, two separate tumors in the ascending colon, an adenocarcinoma (8140/3) and a mucin-producing adenocarcinoma (8481/3), are a single primary.

5. Multiple tumors of different cell types that commonly appear together in the same primary site diagnosed within two months are reported as a single primary.

Examples:

Ductal carcinoma in the UOQ and a lobular carcinoma in the LIQ are reported as a single primary (C50.9 -- 8522/3).

Separate nodules of follicular carcinoma and papillary carcinoma in the thyroid. (Use the combination code 8340/3)

Thanks to the Los Angeles SEER Registry for developing this overview.

Coding Complex Morphologic Diagnoses

Source: DSQC #2002-08 Guideline: Coding Complex Morphologic Diagnoses (revised 8/02)
EFFECTIVE: For cases diagnosed January 1, 2001 & forward

Per DSQC Memorandum 2006-01:

Effective immediately, DSQC Memorandum 2002-08 "Coding Complex Morphologic Diagnoses," is rescinded and the rules contained in the document **should no longer be applied**.

Histology Code for Mucinous Adenocarcinoma in a Villoglandular Polyp

Source: DSQC #2003-01 Revised Clarification: Histology Code for Mucinous Adenocarcinoma in a Villoglandular Polyp
EFFECTIVE: March 31, 2003

The histology code for mucinous adenocarcinoma in a villoglandular polyp is code 8480/3.

NOTE: CCR Inquiry System #226 will be revised to reflect the correct code: 8480/3.

NOTE: CCR Inquiry System #498 is a similar question. That answer is correctly stated and remains unchanged.

Surgery of Primary Site - Breast

DSQC #2003-02 CLARIFICATION: Surgery of Primary Site - Breast
EFFECTIVE: September 1, 2003

The CCR has received a revised answer from the Commission on Cancer and SEER regarding cases treated with bilateral mastectomies with separate primaries.

If a patient is diagnosed with two separate right and left breast primaries and treated with right and left mastectomy(s), surgery code is 41 or 51 for each primary; two separate abstracts are reported, see examples below.

Codes 42/52 are used to capture prophylactic mastectomy of the opposite non-cancerous breast.

This is documented in Volume One, Seventh Edition, Appendix Q, SEER Program Code Manual, 3 rd . Edition, Revision 1, Appendix F, pages 23 and 24, and the FORDS manual, pages 269 and 270.

NOTE: CCR Inquiry System #447 will be revised to reflect the correct code: 41/51

NOTE: SINQ 20012002 reflects the correct code: 41/51

Example 1
Rt. & Lt. Breast CA (2 separate primaries)
Right Simple Mastectomy: Surgery Code
Left Simple Mastectomy: Surgery Code
Rt. Surgery Code = 41
Lt. Surgery Code = 41

Example 2
Rt. & Lt. Breast CA (2 separate primaries)
Right Modified Mastectomy
Left Modified Mastectomy
Rt. Surgery Code: 51
Lt. Surgery Code: 51

Example 3
Left Breast CA
Left Simple Mastectomy
Right Simple Mastectomy (Prophylactic)
Surgery Code =42

Example 4
Right Breast CA
Right Modified Mastectomy
Left Modified Mastectomy (Prophylactic)
Surgery Code =52

Multiple Primaries - Breast

DSQC #2003-03 CLARIFICATION: Multiple Primaries - Breast
EFFECTIVE: December 8, 2003

The CCR has received the following clarification from SEER regarding the use of the combination code for breast primaries.

When abstracting and coding breast cancer, determine if there is one tumor with complex morphologies or separate tumors with different histologies. Use the following guideline to determine number of abstracts:

- One tumor with complex morphologies; prepare one abstract
- Separate tumors with different histologies; prepare one abstract for each tumor

The use of combination codes for breast primaries with separate tumors in different locations are limited to the following scenarios and coded as one primary:

- ductal and lobular ca (8522)
- Paget's Disease and intraductal ca (8543)
- Paget's Disease and infiltrating ductal ca (8541)

Other histologic type differences that occur as separate tumors in different parts of the same breast are coded as multiple primaries. ICD-O-3 histology code 8523 is NOT to be used to combine histologies from separate primaries; it is used for mixed histologies in a single primary.

CCR Inquiry System ID #540, 604 and 640 will be revised to reflect this clarification.

After the implementation date of this memo (30 days after effective date), breast cases incorrectly submitted as one primary will not be processed by the regions. These cases will be returned and need to be resubmitted as two primaries.

ACoS Data Items

DSQC #2003-04 CLARIFICATION: ACoS Data Items
EFFECTIVE: Cases Diagnosed January 1, 2003 Forward

We have received numerous questions regarding surgery and treatment code fields, thus we have compiled a list of clarifications from the American College of Surgeons' Commission on Cancer (CoC) FORDS Manual as well as the CoC Inquiry and Response System. They are as follows:

Diagnostic and Staging Procedure Codes

This field describes incisional, needle or aspiration biopsies of the primary site or regional/distant tissue only. It *does not* describe incisional, needle or aspiration biopsies of regional lymph nodes; these are described in the "Scope of Regional Lymph Node Surgery".

Incisional biopsies and fine needle aspirations of the primary site performed for purposes of staging or diagnosing a cancer are coded as Surgical Diagnostic and Staging Procedures **02** when the procedure does not involve surgical treatment.

References: FORDS pages 16 and 109-110, ACoS I&R # 8996

Surgery Code: Bladder

Use code **27** for a transurethral resection bladder (TURB)

References: ACoS I&R #9486

Surgical Procedure/Other Site:

For the field Surgical Procedure/Other Site, apply code **1** - Nonprimary surgical procedure performed, if surgical treatment was performed for the following primary sites and morphologies:

- Unknown Primaries
- Ill-Defined Primaries
- Hematopoietic/Endoreticulothelial/Immunoproliferative or Myeloproliferative disease morphologies,

References: FORDS Manual, page 21, ACoS I&R #9404

SEER Coders & Abstractors Workshop Documents (May 2003)

DSQC #2003-05
GUIDELINES: SEER Workshop Documents (May 2003)
EFFECTIVE: See below

The attached documents were distributed at the SEER Abstractors & Coders Workshop in May 2003.

1. *The Brain Book, Abstracting & Coding Guidelines for Primary Central Nervous System Tumors*; Draft #2(9/4/2003). Effective for cases diagnosed 1/1/04 and forward.
2. *ICD-0-3 Errata and Clarifications Set #2*
3. Replacement page for *SEER Program Manual*, page 133 (Reason No Cancer Directed Surgery)
4. Replacement pages for *SEER Program Manual*, Appendix F (colon, breast & prostate)

These documents will also be posted to the CCR website in pdf format. Registrars may go to the CCR website to download "The Brain Book", draft #2. If unable to access the website, please request that your region provide you with a hardcopy. April Fritz has informed us that a finalized version of "The Brain Book" will be available at some time in the future. In the meantime, the CCR wants the draft #2 version available to registrars.

2004 Data Changes Training Issues/Frequently Asked Questions

DSQC #2005-01
CLARIFICATION
EFFECTIVE: Cases Diagnosed January 1, 2004 Forward

The attached document includes clarifications in coding and abstracting instructions resulting from the 2004 Data Changes Training. Although this clarification is effective with cases diagnosed January 1, 2004 forward, it is not necessary to go back and recode cases that have already been abstracted or transmitted.

Please refer to this document for assistance when abstracting. For your convenience, this memorandum can be filed under Appendix S, in Volume 1.

Benign Brain and CNS Tumors (BBT)

1. ***Question***: What diagnosis year is BBT reporting effective?

Response: Statewide reporting of BBT commenced with diagnosis year 1/01/01.

For cases diagnosed 1/01/04 forward, abstract using 2004 Data Changes rules (Vol. I, Sec. II.1.9.1 - II.1.9.7)

2. ***Question***: How are BBT staged?

Response: For diagnosis years 2001-2003 the CCR does not require benign brain tumors to be staged; the default EOD codes are 999 99 9 99/99. If you have been assigning codes/stages to them in the past, we recommend you continue this practice.

For cases diagnosed 1/01/04 forward, use the Collaborative Staging scheme for the appropriate site. There is a schema for Brain and Cerebral Meninges, Other parts of the CNS (includes the spinal meninges, and cranial nerves), and Thymus, Adrenal Gland and Other Endocrine Glands (includes pituitary and pineal glands and craniopharyngeal duct).

3. ***Question***: What sequence number is assigned to a second BBT?

Response: The first BBT is assigned sequence #60. If another BBT primary tumor is subsequently diagnosed, the first BBT tumor sequence is changed to #61 and the second BBT is assigned sequence #62.

Example: In 2004, a person was diagnosed with a BBT (sequence #60). In 2005, a second reportable BBT was diagnosed. The 2004 case changes to sequence #61 and the tumor diagnosed in 2005 is assigned sequence #62.

4. ***Question***: If a BBT case is diagnosed prior to 01/01/04 and recurs in 2004, is the recurrence reportable?

Response: If the case was diagnosed prior to 1/01/01, it would not be reported. If the case was diagnosed 1/01/01 through 12/31/03, it would have been previously reported to the CCR using previous reporting rules.

5. ***Question***: How many primaries do you abstract in the scenario below?

A patient has a known BBT diagnosed after 1/01/04 and it is not treated. After time, the patient is diagnosed with a malignant brain tumor in the same site.

Response: Report as two primaries one benign (sequence number 60) and one malignant (sequence number 00). Once a tumor transforms from benign to malignant, another abstract for the malignant tumor is prepared.

Reference: Volume I, Section II.1.9.5

6. ***Question***: If there is one lesion in the midline of the brain, is this coded as one lesion?

Response: Yes, code as one lesion and use the code where the midline structure is listed.

Example: A midline lesion of the third ventricle would be coded to C71.5 third ventricle

7. ***Question***: If there is one lesion in the midline of the brain and one lesion elsewhere in the brain with the same histology diagnosed at the same time, is this one primary or two?

Response: Compare the subsite code for the midline tumor to the subsite code for the other tumor. If they are different at the subsite level, abstract as two primaries. If the location of the midline tumor is in the same subsite, it would be considered one lesion.

Example: There is one tumor in the midline of the third ventricle (C71.5) and a separate tumor with the same histology within the third ventricle (C71.5). Abstract as one primary.

Example: There is one tumor in the midline of the temporal lobe (C71.2) and a separate midline tumor located in the right parietal lobe (C71.3). Abstract as two primaries.

8. ***Question***: How do you code laterality for a lesion in the midline of the brain?

Response: Midline tumors of the CNS are sometimes coded 9 in laterality. If the lesion is midline in a single brain structure, then code 0. For example, laterality is coded 0 (not a paired organ) for C71.6, cerebellum, NOS.

9. ***Question***: For coding a single primary brain tumor with 2 histologies, (both histologies are listed in the same histologic group, Volume I, page 31), which histology do you code?

Response: The table on page 31 of Volume I does not apply to single tumors. It only applies when there are multiple tumors. For single tumors with different histologies, follow rule 4 in Volume I, page 82, which states to use the numerically higher histology code.

10. ***Question***: Are non-malignant blood vessel tumors occurring in the CNS sites reportable?

Response: Yes, the ICD-O-3 Primary Brain and CNS Site/Histology Listing (Appendix V in Volume I) includes blood vessel tumors under several categories including meninges C70.0-C70.9, brain C71.0-C71.4 and C71.7-C71.9, (excluding ventricle), spinal cord C72.0, cauda equina C72.1, cranial nerves C72.2-C72.5, cerebellum C71.6 and other nervous system C72.8-C72.9.

These tumors include:

9120/0 Hemangioma, NOS
9121/0 Cavernous hemangioma
9150/0 Hemangiopericytoma, benign
9150/1 Hemangiopericytoma, NOS
9161/1 Hemanioblastoma

11. Question: Should blood vessel tumors occurring in CNS sites be coded to blood vessels or CNS?

Response: They should be coded to the CNS site in which they occur.

Example: Patient is diagnosed with a hemangioblastoma of the right temporal lobe of the brain. Site code: C71.2 (temporal lobe, brain), histology code: 9161/1, Laterality: Right only

12. ***Question***: Is laterality coded for tumors of the meninges?

Response: Code laterality for cerebral meninges (C70.0) only. Spinal meninges (C70.1) is not listed as a lateral site, thus laterality for spinal meninges is coded to 0.

Reference: Volume I, Section II.1.9.2

13. ***Question***: Is it possible for a benign schwannoma to arise on the spinal cord or do they always arise from nerve roots coming off the cord?

Response: Anatomically they must be derived from Schwann cells which are not a part of the CNS, so they must all come from peripheral nerves, therefore, they all come from nerve roots. Thus, benign schwannomas of the spinal cord/peripheral nerves are not reportable.

14. ***Question***: If the surgeon states "resection of intradural extramedullary schwannoma" does this mean that the tumor is outside the cord but within the dura?

Response: Yes, but it also means it is on a peripheral nerve root and therefore not reportable.

2004 Data Changes Training Issues/Frequently Asked Questions

DSQC #2005-01
CLARIFICATION
EFFECTIVE: Cases Diagnosed January 1, 2004 Forward

COLLABORATIVE STAGING

GENERAL INSTRUCTIONS

1. ***Question***: The General Instructions on page 25 of the Collaborative Staging Manual states, "Prostate needle biopsy shows 0.6 mm carcinoma, Code as 001." Page 27 states "For an incisional needle biopsy, code tumor size as 999. Do not code the tumor size from a needle biopsy unless no residual tumor is found on further resection." This is a contradiction. Which do we follow?

   Response from the CoC/CS Steering Committee:

   The General Instructions on page 25, which currently reads "Prostate needle biopsy shows 0.6 mm carcinoma Code as 001," will be edited and corrected to state "Prostate TURP shows 0.6 mm tumor size." The instruction on page 27 is correct.

2. ***Question***: If different metastatic sites are equally distant, how is the CS Distant Mets coded? Is this CS Mets Eval?

   Response: For the CS Distant Mets field, it doesn't matter how "distant" a metastatic site is for this field. The codes for CS Distant Mets are divided into the following categories:

   Code 10 - Distant lymph nodes (site specific)
   Code 40 - Distant metastasis (except code 10), distant metastasis, NOS, or carcinomatosis
   Code 50 – A combination of codes 10 and 40
   Code 99 – Unknown, cannot be assessed, not stated in patient record

   Assign the highest applicable code for CS Distant Mets, whether the determination was clinical or pathological and whether or not the patient had preoperative systemic therapy.

   For assessing CS Mets Eval, both the findings and distance from the primary site are factors in determining this field. If all workup is deemed negative, code the diagnostic method used to evaluate the site furthest from the primary site. If some of the workup is negative and some positive, code the diagnostic method used for the furthest positive finding. If all the workup is positive, code the diagnostic method used to evaluate the furthest metastatic site from the primary.

   Reminder: Select the CS Mets Eval code that documents the report or procedure from which the information was obtained about metastatic involvement farthest from the primary site. This may not be the numerically highest eval code.

3. ***Question***: Are there any CS fields that are not coded?

   Response: The CCR requires that all fields except the CS Evaluation fields be coded. CoC approved facilities are required to complete all CS data items, including the CS Evaluation fields.

4. ***Question***: How are the SSF coded when the only information is the MD TNM?

   Response: If the medical record does not contain information that can be coded in the SSF fields, use the appropriate code for "unknown" or "not applicable."

BREAST

5. ***Question***: What is the definition of H&E stain?

Response: H&E stands for Hematoxylin and Eosin.

6. ***Question***: In the breast scheme, when would you use CS Lymph Node code 05?

Response: Use code 05 when the regional lymph nodes are negative, but isolated tumor cells (ITC's) are detected on routine H&E stains. Reminder: Lymph nodes with ITC's only are not considered positive lymph nodes. See note 5 in this scheme.

7. ***Question***: How are SSF 4 and 5 coded for in situ breast cancer cases? When would you use code 888?

Response: For Breast Site Specific Factor 4, use codes 000-009 only to report results of IHC on otherwise negative lymph nodes on routine H&E stain, i.e., only when CS Lymph Nodes is coded 00. The same applies to Site Specific Factor 5, relative to codes 000-002.

Code 888 is for cases not coded to 00 for CS lymph Nodes. For instance, if you have a CS Lymph Node code 10, SSF 4 and 5 would be coded 888.

References: CS Manual, page 464
CoC I & R, # 12726

Note 1: Please note the change on page 464 of the CS Manual, under Breast - Site Specific Factor 4, for code 888, CS Lymph Nodes code 05 has been deleted (revision 8/12/04).

Note 2: Under the general CS Lymph Nodes rule, item 2 states to code CS Lymph Nodes to 00, when the CS Extension is coded as in situ, even if no lymph nodes were removed, since "in situ" by definition means noninvasive.

Reference: CS Manual, page 34, item 2

8. ***Question***: How is Breast SSF 4 coded if the lymph node pathology is negative and no IHC was done?

Response: Use Breast Site Specific Factor 4 code 000, regional lymph nodes negative on H&E, no IHC studies done. The same rule applies for SSF 5.

PROSTATE

9. ***Question***: Which EOD prostate guidelines can we apply for Collaborative Staging?

Response: Do not apply any of the EOD prostate guidelines. Prostate guidelines for Collaborative Staging are currently being developed by the CS Steering Committee.

LYMPHOMA

10. ***Question***: In the lymphoma scheme, what is the IPI Score?

Response: IPI Score stands for International Prognostic Index. An international cooperative study developed a prognostic index for patients with follicular lymphoma. Using 5 factors, the researchers were able to predict patients with a less than 50% 5-year survival who would be suitable candidates for more intensive therapy. The 5 risk factors include: Age 60 or over, Ann Arbor stage III-IV, hemoglobin level <120 g/L, elevated LDH and >4 nodal sites. This paper was published in the September 1, 2004 issue of Blood.

PAROTID GLAND

11. ***Question***: For Site Specific Factor 3, what lymph nodes are considered Level I-III for the parotid gland?

Response: Definitions of the levels and lymph node chains in each level for Head and Neck sites are listed on page 37 of the CS Manual.

Reference: CS Manual, page 37, and pages 192-193

Fine Needle Aspiration of Regional Lymph Nodes

DSQC #2005-02
CLARIFICATION
EFFECTIVE: Cases Diagnosed January 1, 2005 Forward

Fine needle aspirations (removal of cells or tissue) of regional lymph nodes are coded in the Scope of Regional Lymph Node Surgery field. Additionally, FNA biopsies of regional nodes are also included in the Number of Positive and Examined Regional Lymph Nodes fields. For Number of Positive Regional Lymph Nodes, if the total number of positive aspirated, biopsied, sampled, or dissected lymph nodes cannot be determined on the basis of cytology or histology, code the combination of lymph nodes to 97. For the Number of Examined Lymph Nodes, if it cannot be determined how many lymph nodes were aspirated, biopsied, sampled, or dissected, code the number of nodes to 98. If an FNA of regional nodes is the only procedure performed on lymph nodes, code Regional Lymph Nodes Positive/Examined to 95/95. Whether or not the lymph node aspiration resulted in cytology or histology does not affect the codes.

Example #1: Breast cancer patient had a biopsy of a sentinel axillary lymph node that was negative. An FNA of an axillary lymph node was performed on the same day and was positive. A month later, an axillary lymph node dissection was performed and the pathology report stated that 11/19 lymph nodes were positive.

Surgical Procedure #1: Code Scope of Regional Lymph Node Surgery to Code 2 - Sentinel lymph node biopsy.

Surgical Procedure #2: Code Scope of Regional Lymph Node Surgery to Code 7 – Sentinel lymph node biopsy & code 3, 4, or 5 at different times.

Rationale: Codes 0-7 are hierarchical. If only one procedure can be recorded, code the procedure that is numerically higher.

Code CS Regional Lymph Nodes Positive/Examined: 12/21

Rationale: Positive: 0 sentinel node, 1 FNA of a node, 11 dissected nodes; Examined: 1 sentinel node, 1 FNA of a node, 19 dissected nodes.

Example # 2: Breast cancer patient had an FNA biopsy of an axillary lymph node that was positive for carcinoma. Subsequently, an axillary lymph node dissection was done elsewhere. Findings stated to be negative, but unknown how many lymph nodes were examined.

Surgical Procedure #1: Code Scope of Regional Lymph Node Surgery to Code 1 – Biopsy or aspiration of regional lymph nodes, NOS

Surgical Procedure #2: Code Scope of Regional Lymph Node Surgery to Code 3 – Number of regional lymph nodes removed unknown or not stated; regional lymph node removed, NOS

Code CS regional Lymph Nodes Positive/Examined: 01/97

Rationale: A single lymph node was positive on FNA, thus Regional Lymph Nodes Positive is coded to 01; regional lymph node removal was documented as a dissection, number of nodes is unknown/not stated, thus Regional Lymph Nodes Examined is coded to 97.

Unknown Social Security Number

DSQC #2005-03
CLARIFICATION
EFFECTIVE: Immediately

It has come to the attention of the CCR that some facilities are submitting cases to the regional registries with social security numbers coded to 000-00-0001. Apparently the admitting departments at these facilities use this number when the patient's social security number is unknown. This is not a valid social security number according to the Social Security Administration. Do not submit cases to the regional registries using this invalid social security number.

Please follow the guideline in Volume I, section III.2.3 that states to code an unknown social security number to 999-99-9999.

Melanoma Surgery Code Guidelines

DSQC #2005-04
GUIDELINE
EFFECTIVE: Cases diagnosed January 1, 2005 Forward

Below please find the revised Melanoma Surgery Code Guidelines. Although this guideline is effective with cases diagnosed January 1, 2005 forward, registrars are not required to go back and apply these guidelines to 2005 cases already submitted to the regional registry.

In accordance with the CCR General Visual Editing Guidelines, discrepancies resulting from new information/guidelines will not be counted for one month (30 days) after statewide distribution. *DSQC Memo 2005-04 has a distribution date of August 5, 2005, thus regional registries will not count discrepancies using this guideline on cases with a Date Completed earlier than September 5, 2005.*

GENERAL GUIDELINES

1. Code a shave, punch bx or incisional biopsy or biopsy NOS as surgery, if it removes all of the melanoma (exc bx=27). Use the surgery date from this procedure.
2. Code a shave or punch biopsy, incisional biopsy or biopsy NOS as surgical, diagnostic and staging procedure (02), if it does not remove all of the melanoma. Also, if it is not known if all of the melanoma has been removed, code it as a surgical, diagnostic and staging procedure.
3. If the first procedure is labeled as an excisional bx (27) or an excision NOS (20) code them per the titles **unless surgical margins are > 1cm (then code in the applicable 40 range).**
4. Code the subsequent procedure based on the surgical margin measurements first. If this places the surgery code in the 30's range, then apply the code that corresponds to the first procedure (31=shave, punch=32, etc).
    a. If the surgical margins are **equal to or <1cm**, code 30-33 (as applicable).
    b. If the surgical margins are **>1cm**, code 45-47 (as applicable).
    c. If the surgical margins are NOS (**not documented or not known)**, code 30-33 (as applicable).
    d. If the subsequent procedure is a Mohs, use the appropriate 34-36 code.

NOTE 1: The biopsy NOS, shave, punch or incisional biopsy and the gross excision do not have to be done as a single procedure to code 30-33.

NOTE 2: Margins must be taken from the pathology report—following CAP (College of American Pathologists) protocol guidelines.

NOTE 3: To use the codes 45-47, the surgical margins must be > 1cm and microscopically negative.

NOTE 4: When there are no margins documented in the pathology report, do not guess/estimate the margin measurements from the specimen size.

NOTE 5: If there are margins for length, width and depth and they are different, code the smallest margin. The smallest margin dictates the surgery code, no matter where it comes from (width, length or depth).

NOTE: The CoC Technical Staff (ACoS) has reviewed this document for accuracy.

SURGERY CODE INSTRUCTIONS FOR MELANOMAS *(Two procedure scenarios listed with surgery codes)*
1st Procedure=Shave/punch/inc/NOS biopsy & Residual Melanoma @ 2nd Procedure

1st Procedure	Shave or punch biopsy, incisional biopsy or biopsy NOS	02
2nd Procedure	**Surg margins equal to or <1cm or NOS**=residual melanoma	30-33 (Mohs=34-35)
2nd Procedure	**Surg margins >1cm**=residual melanoma	45-47* (Mohs=36)
1st Procedure=Exc bx/Excision NOS & Residual Melanoma @ 2nd Procedure		
1st Procedure	Excisional biopsy or Excision NOS	27 or 20
2nd Procedure	**Surg margins equal to or <1cm or NOS**=residual melanoma	30 (Mohs=34-35)
2nd Procedure	**Surg margins >1cm**=residual melanoma	45-47* (Mohs=36)

NO RESIDUAL MELANOMA @ 2nd Procedure		
1st Procedure	Shave or punch biopsy, incisional biopsy, biopsy NOS, excisional bx (all preceding titles code 27) or excision NOS (20) (**unless surgical margins > 1cm**, then code in the 40 range)	27 or 20
2nd Procedure	**Surg margins equal to or <1cm or margins NOS**=no residual ***NOTE:*** *If the 1st procedure was an excisional bx, code the 2nd procedure 30.*	30-33 (Mohs=34-35)
2nd Procedure	**Surg margins > 1cm**=no residual	45-47* (Mohs=36)

NOTE 1: *Margins must be microscopically negative and > 1cm to code in the 40 range.*

NOTE 2: *Surgical margins must be taken from the path report.*

THREE SURGERY CODE EXAMPLES FOR MELANOMAS *(Three procedure scenarios listed with surgery codes)*		
Example 1		
1st Procedure	Punch biopsy: Atypical junctional melanocytic proliferation, present at bx margin.	02
2nd Procedure	Exc Skin: Malig melanoma, focally extending very close to peripheral margin.	32
3rd Procedure	Exc skin: No residual melanoma.	32
Example 2		
1st Procedure	Punch bx, skin: malignant melanoma, present at bx margin.	02
2nd Procedure	Exc, skin: malignant melanoma, focally extending very close to peripheral margin.	32
3rd Procedure	Exc, skin: No residual melanoma.	32
Example 3		
1st Procedure	Shave bx: Atypical junction nevus, no evidence of invasive disease.	02
2nd Procedure	Exc Lesion: Malig melanoma assoc w/compound nevus. Epidermal margin positive.	31
3rd Procedure	Moh's exc: Focal residual melanoma in situ, close to inked	34

	epidermal margin. Final surg margins clear.	
Example 4		
1st Procedure	Shave bx: Melanoma in situ (lentigo maligna).	02
2nd Procedure	Skin punch bx: NED.	02
3rd Procedure	Moh's: Melanoma in situ, surgical margins: NED.	34

Use of SEER*Rx and Drugs Changing Categories

DSQC #2005-05
CLARIFICATION
EFFECTIVE: Cases Diagnosed January 1, 2005 Forward

For cases diagnosed 1/1/2005 forward, registrars must use SEER*Rx, for coding systemic treatment (i.e. chemotherapy, hormone therapy, and immunotherapy). SEER*Rx is the downloadable, interactive antineoplastic drug database that replaces SEER Self-Instructional Manual Book 8, Antineoplastic Drugs. SEER*Rx can be downloaded from http://www.seer.cancer.gov/seerrxhttp://www.seer.cancer.gov/seerrx.

Since Book 8, the categories for a few drugs have changed from immunotherapy to cytostatic chemotherapy. Registrars will need to make appropriate corrections in their databases for any cases diagnosed 1/1/2005 forward in which a drug changed categories. To assist registrars in identifying these drugs, attached is a SEER SINQ entry, listing the drugs that changed categories from immunotherapy to cytostatic chemotherapy. There were no drugs that changed categories from chemotherapy to immunotherapy.

For cases diagnosed prior to 1/1/2005, registrars may use SEER*Rx if they wish. Registrars do not need to change or correct the drugs that switched categories for cases diagnosed prior to 1/1/2005.

In accordance with the Visual Editing Guidelines, discrepancies resulting from this new information will not be counted for one month (30 days) after statewide distribution. The Date Completed on the abstract will be the date the visual editor will use to calculate the 30-day time frame. Discrepancies will not be counted in which drugs shifted categories for cases with a Date Completed prior to December 31, 2005, or for any cases diagnosed prior to January 1, 2005.

ID : 20051111 **Status : Final**

1 of 1 GO **Mark for Report**

References

SEER*Rx

Brief Question

Chemotherapy/Immunotherapy: Which drugs changed categories when SEER*Rx came out?

Answer

Please refer to http://seer.cancer.gov/tools/seerrx/
SEER*Rx is effective for cases diagnosed 1-1-2005 and forward. It replaces all previous references. It is neither required nor recommended that cases treated prior to 2005 be recoded.

The following drugs in the 5/17/02 Book 8 update changed from immunotherapy to cytostatic chemotherapy in SEER*Rx:
alemtuzumab/Campath
bexarotene/Targretin
bevacizumab/Avastin
bortezomib/Velcade
pegaspargase/Oncaspar
rituximab/Rituxan
trastuzumab/Herceptin
asparaginase
The following drugs may have been coded as monoclonal antibodies but are radioisotopes in SEER*Rx:
epratuzumab/LymphoCide
ibrituzumab
tiuxetan/Zevalin
tositumomab/Bexxar
Any other monoclonal antibodies either remained as monoclonal antibodies or it was a local decision to

code them as immunotherapy.
There were no drugs that changed from chemotherapy to immunotherapy.

RESCINDMENT - DSQC MEMORANDUM 2002-08 "Coding Complex Morphologic Diagnoses (revised 8/02)

DSQC #2006-01
CLARIFICATION
EFFECTIVE: For Cases Diagnosed in 2005 and 2006

Effective immediately, DSQC Memorandum 2002-08 "Coding Complex Morphologic Diagnoses," is rescinded and the rules contained in the document should no longer be applied.

SEER has informed the CCR that the document, "Coding Complex Morphologic Diagnoses" distributed by SEER, is no longer to be used in coding complex and difficult morphology combinations. Instead, SEER is directing registrars to use the SEER Multiple Primaries and Histology Rules from the *SEER Program Coding and Staging Manual 2004*, Fourth Edition. The pages from the *SEER Program Coding and Staging Manual 2004*, pertaining to histology coding are attached.

Please note that on page 2 of this attached document, the terms "architecture" and "pattern" may be used to designate the majority of tumor if written in the College of Pathology (CAP) protocol. Documentation in the pathology text is required indicating that the term originated from the CAP protocol (e.g. as per CAP protocol).

Please apply these multiple primaries and histology rules for all cases diagnosed in 2005 and 2006. Registrars are not expected to go back and apply these rules to cases already abstracted and submitted to the regional registry.

Note: in accordance with the CCR Visual Editing Standards, discrepancies resulting from this new information will not be counted for one month (30 days) after statewide distribution. The Date Completed on the abstract will be the date the visual editor will use to calculate the 30-day time frame.

DSQC Memo 2006-01 Attachment

Histologic Type ICD-O-3

The data item Histologic Type describes the microscopic composition of cells and/or tissue for a specific primary. In the rare instance where there is no tissue pathology, code the histology the medical practitioner uses to describe the tumor. The tumor type or histology is a basis for staging and determination of treatment options. It affects the prognosis and course of the disease.

The *International Classification of Diseases for Oncology,* Third Edition (ICD-O-3) is the standard reference for coding the histology for tumors diagnosed in 2001 and later. Do not record the 'M' that precedes the histology code. Refer to *ICD-O-3* for guidance in coding the histology. See sections *Coding Guidelines for Topography and Morphology,* and *Summary of Principal Rules for Using the ICD-O,* Third Edition.

The histology can be coded only after the determination of multiple primaries has been made.

Synonyms and Equivalent Terms

Mixed, combined, and **complex** are **usually** used as synonyms when describing histology.

Definitions

Cancer, NOS (8000) and **carcinoma,** NOS (8010) are not interchangeable.

Carcinoma, NOS (8010) and **adenocarcinoma** (8140) are interchangeable (See ICD-O-3).

Complex (mixed, combined) histology: The pathologist uses **multiple histologic terms** to describe a tumor. The histologic terms are frequently connected by the word "and" (for example ductal and lobular carcinoma).

Different histology: The first three digits of the ICD-O-3 histology code are different.

Different subtypes: The NOS cell types often have multiple subtypes; for example, scirrhous adenocarcinoma (8143), adenocarcinoma, intestinal type (8144), and linitis plastica (8141) are subtypes of adenocarcinoma, NOS (8140).

Majority of Tumor:

Terms that mean the majority of tumor	Terms that DO NOT mean the majority of tumor
Predominantly	With foci of
With features of	Focus of/focal
Major	Areas of
Type	Elements of
With…..Differentiation*	Component
Pattern (Only if written in College of American Pathologists (CAP) Protocol)**	
Architecture (Only if written in College of American Pathologists (CAP) Protocol)**	

Note: Examples of CAP protocols for specific primary sites may be found on the website – http://www.cap.org/cancerprotocols/protocols_intro.html

* Effective 1/1/1999 diagnosis
** Effective 1/1/2003 diagnosis

Mixed/combined histology: Different cell types in one tumor; terms used interchangeably. In most cases, the terms mixed and combined are used as synonyms; however the term mixed may designate a specific tumor.

Not Otherwise Specified (NOS): "Not Otherwise Specified."

Same histology: The first three digits of the ICD-O-3 histology code are identical.

Coding Instructions

Refer to "Determining Multiple Primaries" in the first section of this manual to determine the number of primaries. Use all of the information for a single primary to code the histology.

1. If there is no tumor specimen, code the histology described by the medical practitioner.

   Example 1: The patient has a CT scan of the brain with a final diagnosis of glioblastoma multiforme (9440). The patient refuses all further workup or treatment. Code the histology to glioblastoma multiforme (9440).

   Example 2: If the physician says that the patient has carcinoma, code carcinoma, NOS (8010).

2. Use the histology stated in the **final diagnosis** from the pathology report. Use the pathology from the procedure that resected the majority of the primary tumor.

   If a more specific histologic type is definitely described in the microscopic portion of the pathology report or the comment, code the more specific diagnosis.

3. Lymphomas may be classified by the **WHO** Classification, **REAL** system, **Rappaport,** or **Working Formulation.** The WHO Classification is preferred. See page 13 in the ICD-O-3 for a discussion of hematologic malignancies.
4. Cases reported to SEER cannot have a metastatic (/6) behavior code. If the only pathology specimen is from a metastatic site, code the appropriate histology and the malignant behavior code /3. The primary site and its metastatic site(s) have the same basic histology.

Histology Coding Rules for Single Tumor

- The rules are in hierarchical order. Rule 1 has the highest priority.
- Use the rules in priority order.
- Use the first rule that applies to the case. (Do not apply any additional rules.)

1. Code the histology if only one type is mentioned in the pathology report.
2. Code the **invasive histology** when both invasive and in situ tumor are present.

   Example: Pathology report reads infiltrating ductal carcinoma and cribriform ductal carcinoma in situ. Code the invasive histology 8500/3.

   Exception: If the histology of the invasive component is an 'NOS' term (e.g., carcinoma, adenocarcinoma, melanoma, sarcoma), then code the histology of the specific term associated with the in situ component and an invasive behavior code.

3. Use the **mixed** histology code if one exists

   Examples of mixed codes: (This is not a complete list, these are examples only)

   8490 Mixed tumor, NOS

9085 Mixed germ cell tumor
8855 Mixed liposarcoma
8990 Mixed mesenchymal sarcoma
8951 Mixed mesodermal tumor
8950 Mixed Mullerian tumor
9362 Mixed pineal tumor
8940 Mixed salivary gland tumor, NOS
9081 Teratocarcinoma, mixed embryonal carcinoma and teratoma

4. Use a **combination** histology code if one exists

Examples of combination codes: (This is not a complete list; these are examples only)

8255 Renal cell carcinoma, mixed clear cell and chromophobe types
8523 Infiltrating duct carcinoma mixed with other types of carcinoma
8524 Infiltrating lobular carcinoma mixed with other types of carcinoma
8560 Adenosquamous carcinoma
8045 Combined small cell carcinoma, combined small cell-large cell

5. Code the **more specific term** when one of the terms is 'NOS' and the other is a more specific description of the same histology.

Example 1: Pathology report reads poorly differentiated carcinoma, probably squamous in origin. Code the histology as squamous cell carcinoma rather than the non-specific term "carcinoma."

Example 2: The pathology report from a nephrectomy reads renal cell carcinoma (8312) (renal cell identifies the affected organ system rather than the histology cell type) in one portion of the report and clear cell carcinoma (8310) (a histologic cell type) in another section of the report. Code clear cell carcinoma (8310); renal cell carcinoma (8312) refers to the renal system rather than the cell type, so renal cell is the less specific code.

6. Code the **majority** of tumor.
    a. Based on the pathology report description of the tumor.
    b. Based on the use of majority terms. See definition for majority terms.
7. Code the **numerically higher** ICD-O-3 code. This is the rule with the lowest priority and should be used infrequently.

Histology Coding Rules for Multiple Tumors with Different Behaviors in the Same Organ Reported as a Single Primary

Code the histology of the invasive tumor when one lesion is in situ (/2) and the other is invasive (/3).

Example: At mastectomy for removal of a 2 cm invasive ductal carcinoma, an additional 5 cm area of intraductal carcinoma was noted. Code histology and behavior as invasive ductal carcinoma (8500/3).

Histology Coding Rules for Multiple Tumors in Same Organ Reported as a Single Primary

1. Code the histology when multiple tumors have the same histology.
2. Code the histology to adenocarcinoma (8140/_; in situ or invasive) when there is an adenocarcinoma and an adenocarcinoma in a polyp (8210/_, 8361/_, 8263/) in the same segment of the colon or rectum.
3. Code the histology to carcinoma (8010/_; in situ or invasive) when there is a carcinoma and carcinoma in a polyp (8210/_) in the same segment of the colon or rectum.
4. Use the **combination** code for the following:
    a. Bladder: Papillary and urothelial (transitional cell) carcinoma (8130)
    b. Breast: Paget Disease and duct carcinoma (8541)
    c. Breast: Duct carcinoma and lobular carcinoma (8522)

   d. Thyroid: Follicular and papillary carcinoma (8340)
5. Code the more specific term when one *SEER Program Coding and Staging Manual 2004*, Pages 84 – 87 of the terms is 'NOS' and the other is a more specific description of the same histology.
6. Code all other multiple tumors with different histologies as multiple primaries.

APPENDIX T

CNExT OVER-RIDE FLAGS AND EDITS

Edit Name	CNExT Edit #	Flag Name
Date First Admission, Date Diagnosis (Calif)	ED1014	Override, DateDx/DateAdm
Primary Site, Behavior Code (C/NET IF39)	ED2000	Override, Site/Behavior
Morphology--Type & Behavior (C/NET MORPH)	ED2004	Override, Histology
Primary Site, Stage, EOD (Calif)	ED2010	Override, Site/Stage
Age, Primary Site, Morphology (C/NET IF15)	ED2015	Override, Age/Site/Morph
Diagnostic Confirm, Seq Num--Hospital (C/NET IF23)	ED2017	Override, SeqNo/DxConf
Diagnostic Confirmation, Behavior (C/NET IF31)	ED2018	Override, Histology
Diagnostic Confirmation, Histol Type (C/NET IF48)	ED2019	Override, Leuk, Lymphoma
Seq Num--Hosp, Primary Site, Morph (C/NET IF22)	ED2022	Override, Ill-defined Site
Primary Site, Morphology-Type Check (C/NET IF25)	ED2024	Override, Site/Type
Laterality, Primary Site, Morphology (C/NET IF42)	ED2030	Override, Site/Lat/Morph
Primary Site, Laterality, EOD (C/NET IF41)	ED2030	Override, Site/Lat/EOD
Date of Diagnosis, Primary Site, EOD (C/NET IF40)	ED2040	Override, Site/EOD/DX Date
RX Summ--Surgery Type, Diag Conf (C/NET IF46)	ED3011	Override, Surg/DxConf
Race - Spanish Origin - Birthplace (Calif)	ED6013	Override, Race/Spanish/Birthpl
Spanish Origin - Birthplace (Calif)	ED6014	Override, Spanish/Birthplace
Type of Report (DC), Seq Num--Hospital(C/NET IF04)	ED6015	Override, Report Source
First Name, Sex (Calif)	ED7004	Override, FirstName/Sex
Accession Number, Class of Case, Seq Number(C/NET)	ED7007	Override, Accession/Class/Seq
		Override, COC Site/Type
Diagnostic Confirm, Seq Num--Hospital (C/NET IF23)	ED2017	Override, Seq/Dx Confirm
		Override, Seq/Site
		Override, Site/Lat/SeqNum
		Override, Site/TNM Stage
Summary Stage 2000, Site Dist Met 1 (CNET)	ED2029	Override, Stage/Dist Mets
Summary Stage 2000, Regional Nodes Pos (CNET)	ED2028	Override, Stage/Nodes Pos
Summary Stage 2000, TNM M (CNET)	ED2050	Override, Stage/TNM-M
Summary Stage 2000, TNM N (CNET)	ED2051	Override, Stage/TNM-N

APPENDIX U

TABLE OF DATA ITEMS AND THEIR REQUIRED STATUS

Reporting requirements are not uniform for all cancer reporting facilities. Consult the following table to determine which data items must be reported:

Key to Symbols

yes	REQUIRED ON ALL CASES (cannot be blank, but can be coded UNKNOWN)
yes*	REQUIRED ON ALL CASES, BUT IF INFORMATION IS NOT AVAILABLE OR NOT APPLICABLE CAN BE LEFT BLANK
sel	REQUIRED ON SELECTED IDENTIFIABLE CASES, SUCH AS CERTAIN SITES OR YEARS OF DIAGNOSIS (left blank or a specific entry is required on other cases, such as code 0, 9, or UNKNOWN)
no	NOT A PART OF THE DATA SET
may	PART OF THE DATA SET BUT NOT REQUIRED (may be left blank on any and all cases)
gen	GENERATED BY COMPUTER, BY THE REGIONAL REGISTRY, OR BY THE CALIFORNIA CANCER REGISTRY
res	RESERVED FIELD. LEAVE BLANK
SEER	DESIGNATES THE DATA SET OF THE NATIONAL CANCER INSTITUTE'S SEER PROGRAM
ACoS	DESIGNATES THE AMERICAN COLLEGE OF SURGEONS DATA SET
C/N	DESIGNATES THE CNExT DATA SET
Hosp> Regn	DESIGNATES THE DATA SET REQUIRED FOR REPORTING BY HOSPITALS TO REGIONAL REGISTRIES IN CALIFORNIA
RX CTR	DESIGNATES THE DATA SET REQUIRED FOR REPORTING BY NON-HOSPITAL TREATMENT CENTERS TO REGIONAL REGISTRIES IN CALIFORNIA
Manual	INDICATES WHERE INSTRUCTIONS FOR THE ITEM ARE FOUND: SECTION NUMBER (indicates section of *Abstracting and Coding Procedures for Hospitals)*; VOL. 2 (California Cancer Reporting System Standards, Volume Two: *Standards for Automated Reporting)*; OR C/N USER *(CNExT User Manual)*
CCR	DESIGNATES THE DATA SET REQUIRED FOR REPORTING BY REGIONAL REGISTRIES TO THE CALIFORNIA CANCER REGISTRY.

Data Items and Their Required Status

Item Name	Manual	C/N	RX Ctr	Hosp> Regn	SEER	ACoS
Abstractor	III.1.1	yes	yes	yes	yes	yes
Accession Number (Hosp)	II.2.3	yes	yes	yes	yes	yes
ACoS Approved Flag	III.1.6	yes	yes	yes	no	no
Address at Diagnosis City	III.2.5	yes	yes	yes	yes	yes
Address at Diagnosis No. & Street	III.2.5	yes	yes	yes	yes	yes
Address at Diagnosis No. & Street - Supplemental	III.2.5	yes*	yes*	yes*	yes	yes
Address at Diagnosis - State	III.2.5	yes	yes	yes	yes	yes
Address at Diagnosis - Zip Code	III.2.5	yes	yes	yes	yes	yes

Age at Diagnosis	III.2.11	gen	gen	gen	yes	yes
Alias First Name	III.2.1.6	yes*	yes*	yes*	no	no
Alias Last Name	III.2.1.5	yes*	yes*	yes*	no	no
Birth Date	III.2.10	yes	yes	yes	yes	yes
Birthplace	III.2.12	yes	yes	yes	yes	yes
Casefinding Source	III.3.8	yes	yes	yes	no	no
Cause of Death	VII.2.14	may	no	no	yes	no
Chemotherapy at This Hospital	VI.4	yes	yes	yes	yes	yes
Chemotherapy Summary	VI.4	yes	yes	yes	yes	yes
Class of Case	III.3.5	yes	yes	yes	no	no
Coding Procedure	III.1.5	gen	gen	yes	no	no
Comorbidity Complications 1	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 2	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 3	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 4	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 5	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 6	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 7	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 8	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 9	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Comorbidity Complications 10	***III.3.13***	***yes****	***yes****	***yes****	***no***	***yes***
Contact City	VII.3	yes*	yes*	yes*	yes	no
Contact Country	VII.3	may	may	may	no	no
Contact Name	VII.3	yes*	yes*	yes*	yes	no
Contact State	VII.3	yes*	yes*	yes*	yes	no
Contact Street	VII.3	yes*	yes*	yes*	yes	no
Contact Street - Supplemental	VII.3	yes*	yes*	yes*	no	yes
Contact Zip	VII.3	yes*	yes*	yes*	yes	no
County of Residence at Diagnosis	III.2.5	yes	yes	yes	yes	no
CS Tumor Size	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Extension	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Tumor Size/Extension Evaluation	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
CS Lymph Nodes	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Lymph Nodes Evaluation	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
CS Metastasis at Diagnosis	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Metastasis Evaluation	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
CS Site Specific Factor 1	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Site Specific Factor 2	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Site Specific Factor 3	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Site Specific Factor 4	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Site Specific Factor 5	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Site Specific Factor 6	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Version 1st	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
CS Version Latest	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Date of Chemotherapy	VI.1.3.2	sel	sel	yes*	no	no

Date of Diagnosis	III.3.3	yes	yes	yes	yes	yes
Date of First Admission	III.3.1	yes	yes	yes	no	yes
Date of Inpatient Admission	III.3.2	yes*	no	yes*	no	no
Date of Inpatient Discharge	III.3.2	yes*	no	yes*	no	no
Date of Hormone Therapy	VI.1.3.2	sel	sel	yes*	no	no
Date of Immunotherapy	VI.1.3.2	sel	sel	yes*	no	no
Date of Last Patient Contact or Death	VII.2.1	yes	yes	yes	yes	yes
Date of Last Tumor Status	VII.2.3	yes	yes	yes	no	no
Date of Most Definitive Surgery of the Primary Site	VI.2.5	gen	gen	yes*	no	yes
Date of Other Therapy	VI.1.3.2	sel	sel	yes*	no	yes
Date of Radiation	VI.1.3.2	sel	sel	yes*	no	yes
Date of Systemic Therapy	VI.1.3.2	gen	gen	yes*	no	yes
Date of Surgery	VI.1.3.2	gen	gen	yes*	no	yes
Date of Surgery Diagnostic or Staging Procedures	VI.2.12	sel	sel	yes*	no	yes
Date of Surgery Procedures 1-3	VI.2.5	sel	sel	yes	no	no
Date of Therapy	Vol III	no	no	no	yes	yes
Date of Transplant/Endocrine Procedures	VI.7.2	sel	sel	yes*	no	no
Death File Number	VII.2.14	may	no	no	no	no
Derived AJCC T	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived AJCC T Descriptor	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
Derived AJCC N	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived AJCC N Descriptor	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
Derived AJCC M	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived AJCC M Descriptor	***V.4.2***	***yes****	***yes****	***yes****	***no***	***yes***
Derived AJCC Stage Group	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived SS2000	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived SS1977	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived AJCC - Flag	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived SS2000 - Flag	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Derived SS1977 - Flag	***V.4.2***	***yes***	***yes***	***yes***	***yes***	***yes***
Diagnostic Confirmation	IV.2	yes	yes	yes	yes	yes
Discovered by Screening	***III.3.15***	***yes***	***no***	***may***	***no***	***no***
EOD Extension	V.4	yes	yes	yes	yes	no
EOD Extension (Path)	V.4	yes	yes	yes	yes	no
EOD - Lymph Node Involvement	V.4	yes	yes	yes	yes	no
First Name	III.2.1.2	yes	yes	yes	yes	yes
Follow up Contact Address Other	VII.3	yes*	yes*	yes	yes	no
Follow up Contact Address Other - Supplemental	VII.3	yes*	yes*	yes*	no	no
Follow up Contact City Other	VII.3	yes*	yes*	yes	yes	no
Follow up Contact Name Other	VII.3	yes*	yes*	yes	yes	no
Follow up Contact State Other	VII.3	yes*	yes*	yes	yes	no
Follow up Contact Zip Other	VII.3	yes*	yes*	yes	yes	no
Follow up Last Type (Patient)	VII.2.6.2	yes	yes	yes	no	no

Follow up Last Type (Tumor)	VII.2.6.1	yes	yes	yes	no	no
Follow up Next Type	VII.2.8	yes*	yes*	yes*	no	no
Follow up Hospital (Next)	VII.2.9	yes*	no	no	no	yes
Follow up Hospital (Last)	VII.2.7	yes	yes	yes	no	no
Histology Text	IV.1.7	yes	yes	yes	yes	no
HistologyBehavior (ICD-O-2)	V.3.4	yes	yes	yes	yes	no
Histology-Behavior (ICD-O-3)	V.3.4	yes	yes	yes	yes	yes
HistologyGrade/ Differentiation	V.3.5	yes	yes	yes	yes	yes
HistologyType (ICD-O-2)	V.3	yes	yes	yes	yes	no
Histology-Type (ICD-O-3)	V.3	yes	yes	yes	yes	yes
Hormone Therapy at This Hospital	VI.5	yes	yes	yes	yes	yes
Hormone Therapy Summary	VI.5	yes	yes	yes	yes	yes
Hospital Number (Reporting)	III.1.4	yes	yes	yes	yes	yes
Hospital Patient Number	Vol. 2	gen	gen	yes	no	no
Hospital Referred From	III.3.10	yes	yes	yes	no	yes
Hospital Referred To	III.3.11	yes	yes	yes	no	no
ICD Revision Comorbidities	***III.3.14***	***yes***	***yes***	***yes***	***no***	***yes***
ICD-O-3 Conversion Flag	Vol. 2	gen	gen	yes	yes	yes
Immunotherapy at This Hospital	VI.6	yes	yes	yes	yes	yes
Immunotherapy Summary	VI.6	yes	yes	yes	yes	yes
Industry Text	III.2.13.2	yes	no	yes	no	no
Last Name	III.2.1.1	yes	yes	yes	yes	yes
Laterality	V.2	yes	yes	yes	yes	yes
Maiden Name	III.2.1.4	yes*	yes*	yes*	yes	no
Marital Status	III.2.6	yes	yes	yes	yes	no
Medical Record Number	III.2.2	yes*	yes*	yes*	yes	yes
Middle Name	III.2.1.3	yes*	yes*	yes*	yes	yes
Mothers First Name	III.2.1.9	yes*	yes*	yes*	no	no
Name Suffix	III.2.1.8	yes*	yes*	yes*	yes	no
Number of Regional Lymph Nodes Examined Surgery Summary	VI.2.2	gen	gen	sel	no	no
Number of Regional Lymph Nodes Examined Procedures 1-3	VI.2.3	yes	yes	no	no	no
Occupation Text	III.2.13.1	yes	no	yes	no	no
Other Therapy at This Hospital	VI.7	yes	yes	yes	yes	yes
Other Therapy Summary	VI.7	yes	yes	yes	yes	yes
Over-ride Flags	Appendix T	yes	yes	yes	yes	yes
Pathology Report Number Biopsy/FNA	IV.1.7.1	yes*	yes*	yes*	no	no
Pathology Report Number- Surgery	IV.1.7.2	yes*	yes*	yes*	no	no
Patient No Research Contact Flag	III.2.14	yes	yes	yes	no	no
Payment Source (Primary)	III.3.9	yes	yes	yes	no	yes
Payment Source (Secondary)	III.3.9	yes*	yes*	yes*	no	no
Payment Source Text	III.3.9	yes	yes	yes	no	no
Pediatric Stage	V.7.8	sel	sel	sel	no	no
Pediatric Stage Coder	V.7.10	sel	sel	sel	no	no

Pediatric Stage System	V.7.9	sel	sel	sel	no	no
Phone Number (Patient)	III.2.4	yes*	yes*	yes*	yes	yes
Physician (Attending)	III.3.12	yes	yes	yes	no	no
Physician (Following)	VII.2.10	yes*	yes*	yes*	yes	yes
Physician (Medical Oncologist)	III.3.12	yes*	yes*	yes*	no	yes
Physician (Other)	III.3.12	yes*	yes*	yes*	no	no
Physician (Other)	III.3.12	yes*	yes*	yes*	no	no
Physician (Radiation Oncologist)	III.3.12	yes*	yes*	yes*	no	yes
Physician (Referring)	III.3.12	yes*	yes*	yes*	no	no
Physician (Surgeon)	III.3.12	yes*	yes*	yes*	no	yes
Place of Death	VII.2.14	sel	yes*	yes*	no	no
Place of Diagnosis	III.3.4	may	may	yes*	no	no
Protocol Participation	VI.9	sel	sel	sel	no	no
Quality of Survival	VII.2.5	may	no	no	no	no
Race 1	III.2.9	yes	yes	yes	yes	yes
Race 2	III.2.9	yes	yes	yes	yes	yes
Race 3	III.2.9	yes	yes	yes	yes	yes
Race 4	III.2.9	yes	yes	yes	yes	yes
Race 5	III.2.9	yes	yes	yes	yes	yes
Radiation at This Hospital	VI.3	yes	no	no	yes	no
Radiation - Boost RX Modality	VI.3.4	yes	yes	yes	no	yes
Radiation - Regional RX Modality	VI.3.3	yes	yes	yes	no	yes
Radiation Summary	VI.3	yes	yes	yes	yes	no
Radiation/Surgery Sequence	VI.3.4	yes	yes	yes	yes	yes
Reason for No Radiation	VI.3.3	yes	yes	yes	no	yes
Reason for No Surgery	VI.2.10	yes	yes	yes	yes	yes
Recurrence Date	VII.2.13.1	may	may	may	no	yes
Recurrence Sites	VII.2.13.3	may	may	may	no	no
Recurrence Type	VII.2.12.2	may	may	may	no	yes
Regional Data	-	may	may	yes*	no	no
EOD- Regional Nodes Examined	V.4	yes	yes	yes	yes	yes
EOD- Regional Nodes Positive	V.4	yes	yes	yes	yes	yes
Religion	III.2.8	yes	yes	yes	no	no
Scope of Regional Lymph Node Surgery 98-02 Summary	VI.2.2	gen	gen	sel	no	no
Scope of Regional Lymph Node Surgery Summary	VI.2.2	gen	gen	yes	yes	yes
Scope of Regional Lymph Node Surgery Procedures 1-3	V.7.12	yes	yes	yes	no	no
Sequence Number	II.2.4	yes	yes	yes	yes	yes
Sex	III.2.7	yes	yes	yes	yes	yes
Site Text	IV.1	yes	yes	yes	yes	no
Site, Primary	V.1.1	yes	yes	yes	yes	R
Social Security Number	III.2.3	yes*	yes*	yes*	yes	yes
Social Security Number Suffix	III.2.3	yes*	yes*	yes*	no	no
Spanish/Hispanic Origin	III.2.9.2	yes	yes	yes	yes	yes

Stage-Alternate	V.5.6	may	may	may	no	no
Summary Stage 1977	V.5	sel	sel	sel	no	no
Summary Stage 2000	V.5	sel	sel	sel	no	yes
Surgery at This Hospital Diagnostic or Staging Procedure	VI.2.11	yes	yes	yes	no	yes
Surgery at This Hospital Reconstructive	VI.2.8	yes	no	no	no	no
Surgery at This Hospital	VI.2.1	gen	gen	no	no	yes
Surgery of Primary Site 9802 Summary	VI.2.1	gen	gen	sel	no	no
Surgery of Primary SiteSummary	VI.2.1	gen	gen	yes	yes	yes
Surgery of Primary Site Procedures 1-3	VI.2.1	yes	yes	yes	no	no
Surgery of Other Site Summary 98-02	VI.2.4	gen	gen	sel	no	no
Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s)Summary	VI.2.4	gen	gen	yes	yes	yes
Surgery of Other Regional Site(s), Distant Site(s), or Distant Lymph Node(s)Procedures 1-3	VI.2.4	yes	yes	yes	no	no
Surgery Summary Diagnostic or Staging Procedure	VI.2.11	yes	yes	yes	no	yes
Surgery Summary Reconstructive	VI.2.8	yes	yes	yes	no	no
Surgical Margins Procedures 1-3	VI.2.7	yes	no	no	no	no
Surgical Margins Summary	VI.2.7	gen	gen	no	no	yes
Systemic/Surgery Sequence	***VI.2.14***	***yes***	***yes***	***yes***	***no***	***yes***
Text RX Chemotherapy	VI.4	sel	sel	sel	no	no
Text RX Hormone Therapy	VI.5	sel	sel	sel	no	no
Text RX Immunotherapy	VI.6	sel	sel	sel	no	no
Text RX Other Therapy	VI.7	sel	sel	sel	no	no
Text RX Radiation (Beam)	VI.3	sel	sel	sel	no	no
Text RX Radiation (Other)	VI.3	sel	sel	sel	no	no
Text RX Radiation Boost RX Modality	VI.3	sel	sel	sel	no	no
Text RX Radiation Regional RX Modality	VI.3	sel	sel	sel	no	no
Text RX Surgery	VI.2	sel	sel	sel	no	no
Text DxProc Lab Tests	IV.1.5	yes*	yes*	yes*	no	no
Text DxProc Operative	IV.1.6	yes*	yes*	yes*	no	no
Text DxProc Pathological	IV.1.7	yes*	yes*	yes*	no	no
Text DxProc PE	IV.1.2	yes*	yes*	yes*	no	no
Text DxProc Scopes	IV.1.4	yes*	yes*	yes*	no	no
Text DxProc Xray	IV.1.3	yes*	yes*	yes*	no	no
Text Remarks	VIII.1	yes*	yes*	yes*	no	no
TNM Coder (Clinical)	V.7.6	yes*	yes*	yes*	no	yes
TNM Coder (Path)	V.7.6	yes*	yes*	yes*	no	yes
TNM Edition	V.7.7	yes*	yes*	yes*	no	yes
TNM Stage (Clinical)	V.7.5	yes*	yes*	yes*	no	yes
TNM Stage (Path)	V.7.5	yes*	yes*	yes*	no	yes
TNM M Code (Clinical)	V.7.4	yes*	yes*	yes*	no	yes

TNM M Code (Path)	V.7.4	yes*	yes*	yes*	no	yes
TNM N Code (Clinical)	V.7.4	yes*	yes*	yes*	no	yes
TNM N Code (Path)	V.7.4	yes*	yes*	yes*	no	yes
TNM T Code (Clinical)	V.7.4	yes*	yes*	yes*	no	yes
TNM T Code (Path)	V.7.4	yes*	yes*	yes*	no	yes
Transplant/Endocrine Procedures At This Hospital	VI.7.1	yes	yes	yes	no	no
Transplant/Endocrine Procedures Summary	VI.7.1	yes	yes	yes	yes	yes
Treatment Hospital Number-Procedure 1-3	VI.2.6	yes	yes	yes	no	no
Tumor Markers 1-3	V.6	sel	sel	sel	yes	no
Tumor Marker-CA-1	V.6.4	sel	sel	sel	no	no
Tumor Size	V.4	yes	yes	yes	yes	yes
Tumor Status	VII.2.4	yes	yes	yes	no	yes
Type of Admission	III.3.7	yes	yes	yes	no	no
Type of Reporting Source	III.3.6	yes	yes	yes	yes	no
Vendor Version		gen	yes	gen	no	no
Vital Status	VII.2.2	yes	yes	yes	yes	yes
Year First Seen	II.2.1	yes	no	yes	no	no

Appendix V: Brain and CNS Site/Histology Listing

Based on ICD-O-3 SEER Site/Histology Validation list

Reviewed by Neuropathologists: Drs. Roger McLendon, Janet Bruner, Steven Moore
SEER: Lynn Ries
CBTRUS: Dr. Bridget McCarthy, Carol Kruchko

Underlined bold type indicates histology codes with a benign or uncertain behavior code that have been added by CBTRUS and not contained in the ICD-O-3 SEER Site/Histology Validation List.

Bold type indicates histology codes with a malignant behavior code that have been added by CBTRUS and not contained in the ICD-O-3 SEER Site/Histology Validation List.

Red color indicates histology codes new to the ICD-O-3 SEER Site/Histology Validation List.

MENINGES (CEREBRAL,SPINAL) C700-C709

NEOPLASM	800	
		8000/0 Neoplasm, benign
		8000/1 Neoplasm, uncertain whether benign or malignant
		8000/3 Neoplasm, malignant
		8001/0 Tumor cells, benign
		8001/1 Tumor cells, uncertain whether benign or malignant
		8001/3 Tumor cells, malignant
		8005/3 Malignant tumor, clear cell type
NEVI & MELANOMAS	872	
		8720/3 Malignant melanoma, NOS
		8728/0 Diffuse melanocytosis
		8728/1 Meningeal melanocytoma
		8728/3 Meningeal melanomatosis
SARCOMA, NOS	880	
		8800/0 Soft tissue tumor, benign
		8800/3 Sarcoma, NOS
		8801/3 Spindle cell sarcoma
		8805/3 Undifferentiated sarcoma
		8806/3 Desmoplastic small round cell tumor
FIBROMATOUS NEOPLASMS	881	
		8810/0 Fibroma, NOS
		8810/3 Fibrosarcoma, NOS
		8815/0 Solitary fibrous tumor
LIPOMATOUS NEOPLASMS	885	
		8850/0 Lipoma, NOS
		8851/0 Fibrolipoma
ANGIOLIPOMA	886	
		8861/0 Angiolipoma, NOS

MYOMATOUS NEOPLASMS	889	**8890/3 Leiomyosarcoma, NOS**
EMBRYONAL RHABDOMYOSARCOMA	891	**8910/3 Embryonal rhabdomyosarcoma, NOS**
TERATOMA	908	**9080/0 Teratoma, benign** **9080/1 Teratoma, NOS** **9080/3 Teratoma, malignant, NOS** **9084/0 Dermoid cyst, NOS** **9084/3 Teratoma with malig. transformation**
BLOOD VESSEL TUMORS	912	**9120/0 Hemangioma, NOS** **9121/0 Cavernous hemangioma**
HEMANGIOPERICYTOMA	915	**9150/0 Hemangiopericytoma, benign** **9150/1 Hemangiopericytoma, NOS** 9150/3 Hemangiopericytoma, malignant
HEMANGIOBLASTOMA	916	**9161/1 Hemangioblastoma**
OSSEOUS & CHONDROMATOUS NEOPLASMS	924	9240/3 Mesenchymal chondrosarcoma
MENINGIOMA	953	**9530/0 Meningioma, NOS** **9530/1 Meningiomatosis, NOS** 9530/3 Meningioma, malignant **9531/0 Meningothelial meningioma** **9532/0 Fibrous meningioma** **9533/0 Psammomatous meningioma** **9534/0 Angiomatous meningioma** **9537/0 Transitional meningioma** **9538/1 Clear cell meningioma** 9538/3 Papillary meningioma **9539/1 Atypical meningioma** 9539/3 Meningeal sarcomatosis
MALIGNANT LYMPHOMA, NOS	959	9590/3 Malignant lymphoma, NOS 9591/3 Malignant lymphoma, non-Hodgkin 9596/3 Composite Hodgkin and non-Hodgkin lymphoma
HODGKIN LYMPHOMA	965	9650/3 Hodgkin lymphoma, NOS 9651/3 Hodgkin lymphoma, lymphocyte-rich 9652/3 Hodgkin lymphoma, mixed cellularity, NOS 9653/3 Hodgkin lymphoma, lymphocytic deplet., NOS 9654/3 Hodgkin lymphoma, lymphocyt. deplet., diffuse fibrosis 9655/3 Hodgkin lymphoma, lymphocyt. deplet.,

		reticular
		9659/3 Hodgkin lymphoma, nodular lymphocyte predom.
HODGKIN LYMPHOMA, NOD. SCLER.	966	
		9661/3 Hodgkin granuloma
		9662/3 Hodgkin sarcoma
		9663/3 Hodgkin lymphoma, nodular sclerosis, NOS
		9664/3 Hodgkin lymphoma, nod. scler., cellular phase
		9665/3 Hodgkin lymphoma, nod. scler., grade 1
		9667/3 Hodgkin lymphoma, nod. scler., grade 2
ML, SMALL B-CELL LYMPHOCYTIC	967	
		9670/3 ML, small B lymphocytic, NOS
		9671/3 ML, lymphoplasmacytic
		9673/3 Mantle cell lymphoma
		9675/3 ML, mixed sm. and lg. cell, diffuse
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
		9684/3 ML, large B-cell, diffuse, immunoblastic, NOS
		9687/3 Burkitt lymphoma, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9690/3 Follicular lymphoma, NOS
		9691/3 Follicular lymphoma, grade 2
		9695/3 Follicular lymphoma, grade 1
		9698/3 Follicular lymphoma, grade 3
		9699/3 Marginal zone B-cell lymphoma, NOS
T-CELL LYMPHOMAS	970	
		9701/3 Sezary syndrome
		9702/3 Mature T-cell lymphoma, NOS
		9705/3 Angioimmunoblastic T-cell lymphoma
OTHER SPEC. NON-HODGKIN LYMPHOMA	971	
		9714/3 Anaplastic large cell lymphoma, T-cell and Null cell type
		9719/3 NK/T-cell lymphoma, nasal and nasal-type
PRECURS. CELL LYMPHOBLASTIC LYMPH.	972	
		9727/3 Precursor cell lymphoblastic lymphoma, NOS
		9728/3 Precursor B-cell lymphoblastic lymphoma
		9729/3 Precursor T-cell lymphoblastic lymphoma
PLASMA CELL TUMORS	973	
		9731/3 Plasmacytoma, NOS
		9734/3 Plasmacytoma, extramedullary
MAST CELL TUMORS	974	
		9740/3 Mast cell sarcoma
		9741/3 Malignant mastocytosis

NEOPLASMS OF HISTIOCYTES AND ACCESSORY LYMPHOID CELLS	975	9750/3 Malignant histiocytosis 9754/3 Langerhans cell histiocytosis, disseminated 9755/3 Histiocytic sarcoma 9756/3 Langerhans cell sarcoma 9757/3 Interdigitating dendritic cell sarcoma 9758/3 Follicular dendritic cell sarcoma

BRAIN, C710-C714 & C717-C719, (EXCL. VENTRICLE, CEREBELLUM)
SPINAL CORD C720 , CAUDA EQUINA C721 & CRANIAL NERVES, C722-C725

NEOPLASM	800	**8000/0 Neoplasm, benign** **8000/1 Neoplasm, uncertain whether benign or malignant** **8000/3 Neoplasm, malignant** **8001/0 Tumor cells, benign** **8001/1 Tumor cells, uncertain whether benign or malignant** 8001/3 Tumor cells, malignant 8002/3 Malignant tumor, small cell type 8003/3 Malignant tumor, giant cell type 8004/3 Malignant tumor, spindle cell type 8005/3 Malignant tumor, clear cell type
PARAGANGLIOMA	868	**8680/1 Paraganglioma, NOS**
NEVI & MELANOMAS	872	**8720/3 Malignant melanoma**
SARCOMA, NOS	880	**8800/0 Soft tissue tumor, benign** 8800/3 Sarcoma, NOS 8801/3 Spindle cell sarcoma 8805/3 Undifferentiated sarcoma 8806/3 Desmoplastic small round cell tumor
LIPOMATOUS NEOPLASMS	885	**8850/0 Lipoma, NOS**

		8851/0 Fibrolipoma
		8851/3 Liposarcoma
GERM CELL TUMORS	906	
		9060/3 Dysgerminoma
		9064/3 Germinoma
EMBRYONAL CARCINOMA	907	
		9070/3 Embryonal carcinoma, NOS
		9071/3 Yolk Sac Tumor
TERATOMA	908	
		9080/0 Teratoma, benign
		9080/1 Teratoma, NOS
		9080/3 Teratoma, malignant, NOS
		9081/3 Teratocarcinoma
		9085/3 Mixed germ cell tumor
TROPHOBLASTIC NEOPLASMS	910	
		9100/3 Choriocarcinoma, NOS
BLOOD VESSEL TUMORS	912	
		9120/0 Hemangioma, NOS
		9121/0 Cavernous hemangioma
		9122/0 Venous hemangioma
HEMANGIOENDOTHELIOMA	913	
		9131/0 Capillary hemangioma
HEMANGIOPERICYTOMA	915	
		9150/1 Hemangiopericytoma, NOS
HEMANGIOBLASTOMA	916	
		9161/1 Hemangioblastoma
CHORDOMA	937	

		9370/3 Chordoma,
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
GLIOMA	938	
		9380/3 Glioma, malignant
		9381/3 Gliomatosis cerebri
		9382/3 Mixed glioma
		9383/1 Subependymoma
		9384/1 Subependymal giant cell astroctyoma
EPENDYMOMA, NOS	939	
		9391/3 Ependymoma, NOS
		9392/3 Ependymoma, anaplastic
		9393/3 Papillary Ependymoma
		9394/1 Myxopapillary ependymoma
ASTROCYTOMA, NOS	940	
		9400/3 Astrocytoma, NOS
		9401/3 Astrocytoma, anaplastic
PROTOPLASMIC ASTROCYTOMA	941	
		9410/3 Protoplasmic astrocytoma
		9411/3 Gemistocytic astrocytoma
		9412/1 Desmoplastic infantile astrocytoma
		9413/0 Dysembryoplastic neuroepithelial tumor
FIBRILLARY ASTROCYTOMA	942	
		9420/3 Fibrillary astrocytoma
		9421/1 Pilocytic astrocytoma
		9423/3 Polar spongioblastoma
		9424/3 Pleomorphic xanthoastrocytoma
ASTROBLASTOMA	943	
		9430/3 Astroblastoma
GLIOBLASTOMA, NOS	944	
		9440/3 Glioblastoma, NOS
		9441/3 Giant cell glioblastoma

		9442/1 Gliofibroma
		9442/3 Gliosarcoma
		9444/1 Chordoid glioma
OLIGODENDROGLIOMA, NOS	945	
		9450/3 Oligodendroglioma, NOS
		9451/3 Oligodendroglioma, anaplastic
OLIGODENDROBLASTOMA	946	
		9460/3 Oligodendroblastoma
PRIMITIVE NEUROECTODERMAL	947	
		9473/3 Primitive neuroectodermal tumor, NOS
GANGLIONEUROBLASTOMA	949	
		9490/0 Ganglioneuroma
		9490/3 Ganglioneuroblastoma
		9492/0 Gangliocytoma
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS
		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9505/1 Ganglioglioma, NOS
		9505/3 Ganglioglioma, anaplastic
		9508/3 Atypical teratoid/rhabdoid tumor
MENINGIOMA	953	
		9530/0 Meningioma, NOS
		9530/1 Mengiomatosis, NOS
		9530/3 Meningioma, malignant
		9531/0 Meningotheliomatous meningioma
		9532/0 Fibrous meningioma
		9533/0 Psammomatous meningioma
		9534/0 Angiomatous meningioma
		9537/0 Transitional meningioma
		9538/1 Clear cell meningioma
		9538/3 Papillary meningioma

		9539/1 Atypical meningioma
		9539/3 Meningeal sarcomatosis
NEUROFIBROSARCOMA	954	
		9540/0 Neurofibroma, NOS
		9540/1 Neurofibromatosis, NOS
		9540/3 Malignant peripheral nerve sheath tumor
		9541/0 Melanotic neurofibroma
PLEXIFORM NEUROFIBROMA	955	
		9550/0 Plexiform neurofibroma
NEURILEMOMA	956	
		9560/0 Neurilemoma, NOS
		9560/1 Neurinomatosis
		9560/3 Neurilemoma, malignant
		9561/3 Triton tumor, malignant
		9562/0 Neurothekeoma
NEUROMA	957	
		9570/0 Neuroma, NOS
		9571/0 Perineurioma, NOS
		9571/3 Perineurioma, malignant
MALIGNANT LYMPHOMA, NOS	959	
		9590/3 Malignant lymphoma, NOS
		9591/3 Malignant lymphoma, non-Hodgkin
		9596/3 Composite Hodgkin and non-Hodgkin lymphoma
ML, SMALL B-CELL LYMPHOCYTIC	967	
		9670/3 ML, small B lymphocytic, NOS
		9671/3 ML, lymphoplasmacytic
		9673/3 Mantle cell lymphoma
		9675/3 ML, mixed sm. and lg. cell, diffuse
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
		9684/3 ML, large B-cell, diffuse, immunoblastic, NOS

		9687/3 Burkitt lymphoma, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9690/3 Follicular lymphoma, NOS
		9691/3 Follicular lymphoma, grade 2
		9695/3 Follicular lymphoma, grade 1
		9698/3 Follicular lymphoma, grade 3
		9699/3 Marginal zone B-cell lymphoma, NOS
T-CELL LYMPHOMAS	970	
		9701/3 Sezary syndrome
		9702/3 Mature T-cell lymphoma, NOS
		9705/3 Angioimmunoblastic T-cell lymphoma
OTHER SPEC. NON-HODGKIN LYMPHOMA	971	
		9714/3 Large cell lymphoma
		9719/3 NK/T-cell lymphoma, nasal and nasal-type
PRECURS. CELL LYMPHOBLASTIC LYMPH.	972	
		9727/3 Precursor cell lymphoblastic lymphoma, NOS
		9728/3 Precursor B-cell lymphoblastic lymphoma
		9729/3 Precursor T-cell lymphoblastic lymphoma
PLASMA CELL TUMORS	973	
		9731/3 Plasmacytoma, NOS
		9734/3 Plasmacytoma, extramedullary
NEOPLASMS OF HISTIOCYTES AND ACCESSORY LYMPHOID CELLS	975	
		9750/3 Malignant histiocytosis
		9754/3 Langerhans cell histiocytosis, disseminated
		9755/3 Histiocytic sarcoma
		9756/3 Langerhans cell sarcoma
		9757/3 Interdigitating dendritic cell sarcoma
		9758/3 Follicular dendritic cell sarcoma
LEUKEMIA	993	
		9930/3 Myeloid sarcoma

VENTRICLE C715

NEOPLASM	800	
		8000/0 Neoplasm, benign
		8000/1 Neoplasm, uncertain whether benign or malignant
		8000/3 Neoplasm, malignant
		8001/0 Tumor cells, benign
		8001/1 Tumor cells, uncertain whether benign or malignant
		8001/3 Tumor cells, malignant
		8005/3 Malignant tumor, clear cell type
TERATOMA	908	
		9085/3 Mixed germ cell tumor
MISCELLANEOUS TUMORS	937	
		9370/3 Chordoma, NOS
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
GLIOMA	938	
		9380/3 Glioma, malignant
		9381/3 Gliomatosis cerebri
		9382/3 Mixed glioma
		9383/1 Gliomatosis cerebri
		9384/1 Subependymal giant cell astrocytoma
EPENDYMOMA, NOS	939	
		9390/0 Choroid plexus papilloma, NOS
		9390/1 Atypical choroid plexus papilloma
		9390/3 Choroid plexus papilloma, malignant
		9391/3 Ependymoma, NOS
		9392/3 Ependymoma, anaplastic
		9393/3 Papillary ependymoma
ASTROCYTOMA, NOS	940	
		9400/3 Astrocytoma, NOS
		9401/3 Astrocytoma, anaplastic
PROTOPLASMIC ASTROCYTOMA	941	

		9410/3 Protoplasmic astrocytoma
		9411/3 Gemistocytic astrocytoma
FIBRILLARY ASTROCYTOMA	942	
		9420/3 Fibrillary astrocytoma
		9421/1 Pilocytic astrocytoma
		9423/3 Polar spongioblastoma
		9424/3 Pleomorphic xanthoastrocytoma
ASTROBLASTOMA	943	
		9430/3 Astroblastoma
GLIOBLASTOMA, NOS	944	
		9440/3 Glioblastoma, NOS
		9441/3 Giant cell glioblastoma
		9442/3 Gliosarcoma
		9444/1 Chordoid glioma
OLIGODENDROGLIOMA, NOS	945	
		9450/3 Oligodendroglioma, NOS
		9451/3 Oligodendroglioma, anaplastic
PRIMITIVE NEUROECTODERMAL	947	
		9473/3 Primitive neuroectodermal tumor (PNET)
GANGLIONEUROBLASTOMA	949	
		9490/0 Ganglioneuroma
		9490/3 Ganglioneuroblastoma
		9492/0 Gangliocytoma
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS
		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9505/1 Ganglioglioma, NOS
		9505/3 Ganglioglioma, anaplastic
		9506/1 Central neurocytoma
		9508/3 Atypical teratoid/rhabdoid tumor

MENINGIOMAS	953	
		9530/0 Meningioma, NOS
		9530/1 Meningiomatosis, NOS
		9530/3 Meningioma, malignant
		9531/0 Meningotheliomatous meningioma
		9532/0 Fibrous meningioma
		9533/0 Psammomatosis meningioma
		9534/0 Angiomatous meningioma
		9537/0 Transitional meningioma
		9538/1 Clear cell meningioma
		9538/3 Papillary meningioma
MALIGNANT LYMPHOMA, NOS	959	
		9590/3 Malignant lymphoma, NOS
		9591/3 Malignant lymphoma, non-Hodgkin
		9596/3 Composite Hodgkin and non-Hodgkin lymphoma
ML, SMALL B-CELL LYMPHOCYTIC	967	
		9670/3 ML, small B lymphocytic, NOS
		9671/3 ML, lymphoplasmacytic
		9673/3 Mantle cell lymphoma
		9675/3 ML, mixed sm. and lg. cell, diffuse
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
		9684/3 ML, large B-cell, diffuse, immunoblastic, NOS
		9687/3 Burkitt lymphoma, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9690/3 Follicular lymphoma, NOS
		9691/3 Follicular lymphoma, grade 2
		9695/3 Follicular lymphoma, grade 1
		9698/3 Follicular lymphoma, grade 3
		9699/3 Marginal zone B-cell lymphoma, NOS
T-CELL LYMPHOMAS	970	
		9701/3 Sezary syndrome
		9702/3 Mature T-cell lymphoma, NOS

9705/3 Angioimmunoblastic T-cell lymphoma

OTHER SPEC. NON-HODGKIN LYMPHOMA	971	9714/3 Anaplastic large cell lymphoma, T-cell and Null cell type 9719/3 NK/T-cell lymphoma, nasal and nasal-type
PRECURS. CELL LYMPHOBLASTIC LYMPH.	972	9727/3 Precursor cell lymphoblastic lymphoma, NOS 9728/3 Precursor B-cell lymphoblastic lymphoma 9729/3 Precursor T-cell lymphoblastic lymphoma
PLASMA CELL TUMORS	973	9731/3 Plasmacytoma, NOS 9734/3 Plasmacytoma, extramedullary
NEOPLASMS OF HISTIOCYTES AND ACCESSORY LYMPHOID CELLS	975	9750/3 Malignant histiocytosis 9754/3 Langerhans cell histiocytosis, disseminated 9755/3 Histiocytic sarcoma 9756/3 Langerhans cell sarcoma 9757/3 Interdigitating dendritic cell sarcoma 9758/3 Follicular dendritic cell sarcoma

CEREBELLUM C716

NEOPLASM	800	**8000/0 Neoplasm, benign** **8000/1 Neoplasm, uncertain whether benign or malignant** 8000/3 Neoplasm, malignant **8001/0 Tumor cells, benign** **8001/1 Tumor cells, uncertain whether benign or malignant** 8001/3 Tumor cells, malignant 8005/3 Malignant tumor, clear cell type
SARCOMA, NOS	880	**8800/0 Soft tissue tumor, benign** 8800/3 Sarcoma, NOS

		8805/3 Undifferentiated sarcoma
		8806/3 Desmoplastic small round cell tumor
FIBROMATOUS NEOPLASMS	881	
		8810/3 Fibrosarcoma, NOS
		8815/0 Solitary fibrous tumor
LIPOMATOUS NEOPLASMS	885	
		8850/0 Lipoma, NOS
GERM CELL NOEPLASMS	908	
		9080/0 Teratoma, benign
		9080/1 Teratoma, NOS
		9080/3 Teratoma, malignant, NOS
		9084/0 Dermoid cyst, NOS
BLOOD VESSEL TUMORS	912	
		9120/0 Hemangioma, NOS
HEMANGIOENDOTHELIOMA	913	
		9131/0 Capillary hemangioma
HEMANGIOPERICYTOMA	915	
		9150/1 Hemangiopericytoma, NOS
HEMANGIOBLASTOMA	916	
		9161/1 Hemangioblastoma
CHORDOMA	937	
		9370/3 Chordoma, NOS
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
GLIOMA	938	
		9380/3 Glioma, malignant
		9381/3 Gliomatosis cerebri
		9382/3 Mixed glioma
		9383/1 Subependymoma

EPENDYMOMA, NOS	939	
		9391/3 Ependymoma, NOS
		9392/3 Ependymoma, anaplastic
		9393/3 Papillary ependymoma
ASTROCYTOMA, NOS	940	
		9400/3 Astrocytoma, NOS
		9401/3 Astrocytoma, anaplastic
PROTOPLASMIC ASTROCYTOMA	941	
		9410/3 Protoplasmic astrocytoma
		9411/3 Gemistocytic astrocytoma
FIBRILLARY ASTROCYTOMA	942	
		9420/3 Fibrillary astrocytoma
		9421/1 Pilocytic astrocytoma
		9424/3 Pleomorphic xanthoastrocytoma
ASTROBLASTOMA	943	
		9430/3 Astroblastoma
GLIOBLASTOMA, NOS	944	
		9440/3 Glioblastoma, NOS
		9441/3 Giant cell glioblastoma
		9442/3 Gliosarcoma
OLIGODENDROGLIOMA, NOS	945	
		9450/3 Oligodendroglioma, NOS
		9451/3 Oligodendroglioma, anaplastic
MEDULLOBLASTOMA, NOS	947	
		9470/3 Medulloblastoma, NOS
		9471/3 Desmoplastic medulloblastoma
		9472/3 Medullomyoblastoma
		9473/3 Primitive neuroectodermal tumor
		9474/3 Large cell medulloblastoma

CEREBELLAR SARCOMA, NOS	948	
		9480/3 Cerebellar sarcoma, NOS
GANGLIONEUROBLASTOMA	949	
		9490/0 Ganglioneuroma
		9490/3 Ganglioneuroblastoma
		9492/0 Gangliocytoma
		9493/0 Dysplastic gangliocytoma of cerebellum (Lhermitte-Duclos)
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS
		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9505/1 Ganglioglioma, NOS
		9506/1 Central neurocytoma
		9508/3 Atypical teratoid/rhabdoid tumor
MENINGIOMAS	953	
		9530/0 Meningioma, NOS
		9530/1 Meningiomatosis, NOS
		9530/3 Meningioma, malignant
		9531/0 Meningotheliomatous meningioma
		9532/0 Fibrous meningioma
		9533/0 Psammomatous meningioma
		9534/0 Angiomatous meningioma
		9537/0 Transitional meningioma
		9538/1 Clear cell meningioma
		9538/3 Papillary meningioma
MALIGNANT LYMPHOMA, NOS	959	
		9590/3 Malignant lymphoma, NOS
		9591/3 Malignant lymphoma, non-Hodgkin
		9596/3 Composite Hodgkin and non-Hodgkin lymphoma
ML, SMALL B-CELL LYMPHOCYTIC	967	
		9670/3 ML, small B lymphocytic, NOS

		9671/3 ML, lymphoplasmacytic
		9673/3 Mantle cell lymphoma
		9675/3 ML, mixed sm. and lg. cell, diffuse
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
		9684/3 ML, large B-cell, diffuse, immunoblastic, NOS
		9687/3 Burkitt lymphoma, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9690/3 Follicular lymphoma, NOS
		9691/3 Follicular lymphoma, grade 2
		9695/3 Follicular lymphoma, grade 1
		9698/3 Follicular lymphoma, grade 3
		9699/3 Marginal zone B-cell lymphoma, NOS
T-CELL LYMPHOMAS	970	
		9701/3 Sezary syndrome
		9702/3 Peripheral T-cell lymphoma, NOS
		9705/3 Angioimmunoblastic T-cell lymphoma
OTHER SPEC. NON-HODGKIN LYMPHOMA	971	
		9714/3 Anaplastic large cell lymphoma, T-cell and Null cell type
		9719/3 NK/T-cell lymphoma, nasal and nasal-type
PRECURS. CELL LYMPHOBLASTIC LYMPH.	972	
		9727/3 Precursor cell lymphoblastic lymphoma, NOS
		9728/3 Precursor B-cell lymphoblastic lymphoma
		9729/3 Precursor T-cell lymphoblastic lymphoma
PLASMA CELL TUMORS	973	
		9731/3 Plasmacytoma, NOS
		9734/3 Plasmacytoma, extramedullary
NEOPLASMS OF HISTIOCYTES AND ACCESSORY LYMPHOID CELLS	975	
		9750/3 Malignant histiocytosis
		9754/3 Langerhans cell histiocytosis, disseminated

9755/3 Histiocytic sarcoma

9756/3 Langerhans cell sarcoma

9757/3 Interdigitating dendritic cell sarcoma

9758/3 Follicular dendritic cell sarcoma

OTHER NERVOUS SYSTEM C728-C729

NEOPLASM 800

8000/0 Neoplasm, benign

8000/1 Neoplasm, uncertain whether benign or malignant

8000/3 Neoplasm, malignant

8001/0 Tumor cells, benign

8001/1 Tumor cells, uncertain whether benign or malignant

8001/3 Tumor cells, malignant

8002/3 Malignant tumor, small cell type

8003/3 Malignant tumor, giant cell type

8004/3 Malignant tumor, spindle cell type

8005/3 Malignant tumor, clear cell type

SARCOMA, NOS 880

8800/0 Soft tissue tumor, benign

8800/3 Sarcoma, NOS

8801/3 Spindle cell sarcoma

8802/3 Giant cell sarcoma

8803/3 Small cell sarcoma

8804/3 Epithelioid sarcoma

8805/3 Undifferentiated sarcoma

8806/3 Desmoplastic small round cell tumor

LIPOMATOUS NEOPLASMS 885

8850/0 Lipoma, NOS

8850/1 Atypical lipoma

8850/3 Liposarcoma, NOS

ANGIOLIPOMA 886

8861/0 Angiolipoma

MYOMATOUS NEOPLASMS 889

8890/0 Leiomyoma, NOS

		8890/1 Leiomyomatosis, NOS
		8890/3 Leiomyosarcoma, NOS
		8897/1 Smooth muscle tumor, NOS
RHABDOMYOSARCOMA	890	
		8900/0 Rhabdomyoma, NOS
		8900/3 Rhabdomyosarcoma, NOS
EMBRYONAL RHABDOMYOSARCOMA	891	
		8910/3 Embryonal rhabdomyosarcoma, NOS
ALVEOLAR RHABDOMYOSARCOMA	892	
		8920/3 Alveolar rhabdomyosarcoma
GERM CELL TUMORS	906	
		9064/3 Germinoma
TERATOMA	908	
		9080/1 Teratoma, NOS
		9080/3 Teratoma, malignant, NOS
		9082/3 Malignant teratoma, undiff.
		9084/0 Dermoid cyst, NOS
		9084/3 Teratoma with malig. transformation
BLOOD VESSEL TUMORS	912	
		9120/0 Hemangioma, NOS
		9120/3 Hemangiosarcoma
		9121/0 Cavernous hemangioma
HEMANGIOENDOTHELIOMA	913	
		9130/0 Hemangioendothelioma, benign
		9130/1 Hemangioendothelioma, NOS
		9130/3 Hemangioendothelioma, malignant
KAPOSI SARCOMA	914	
		9140/3 Kaposi sarcoma

HEMANGIOPERICYTOMA	915	
		9150/0 Hemangiopericytoma, benign
		9150/1 Hemangiopericytoma, NOS
		9150/3 Hemangiopericytoma, malignant
HEMANGIOBLASTOMA	916	
		9161/1 Hemangioblastoma
MISCELLANEOUS BONE TUMORS	926	
		9260/3 Ewing sarcoma
CHORDOMA	937	
		9370/3 Chordoma, NOS
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS
		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9508/3 Atypical teratoid/rhabdoid tumor
MENINGIOMA	953	
		9530/0 Meningioma, NOS
		9530/1 Meningiomatosis, NOS
		9530/3 Meningioma, malignant
		9531/0 Meningotheliomatous meningioma
		9532/0 Fibrous meningioma
		9533/0 Psammomatous meningioma
		9534/0 Angiomatous meningioma
		9537/0 Transitional meningioma
		9538/1 Clear cell meningioma
		9538/3 Papillary meningioma
NEUROFIBROSARCOMA	954	
		9540/0 Neurofibroma, NOS
		9540/1 Neurofibromatosis, NOS
		9540/3 Malignant peripheral nerve sheath tumor

		9541/0 Melanotic neurofibroma
PLEXIFORM NEUROFIBROMA	955	
		9550/0 Plexiform neurofibroma
NEURILEMOMA	956	
		9560/0 Neurilemmoma, NOS
		9560/3 Neurilemmoma, malignant
		9561/3 Triton tumor, malignant
		9562/0 Neurothekeoma
NEUROMA	957	
		9570/0 Neuroma, NOS
		9571/0 Perineurioma, NOS
		9571/3 Perineurioma, malignant
MALIGNANT LYMPHOMA, NOS	959	
		9590/3 Malignant lymphoma, NOS
		9591/3 Malignant lymphoma, non-Hodgkin
		9596/3 Composite Hodgkin and non-Hodgkin lymphoma
HODGKIN LYMPHOMA	965	
		9650/3 Hodgkin lymphoma, NOS
		9651/3 Hodgkin lymphoma, lymphocyte-rich
		9652/3 Hodgkin lymphoma, mixed cellularity, NOS
		9653/3 Hodgkin lymphoma, lymphocytic deplet., NOS
		9654/3 Hodgkin lymphoma, lymphocyt. deplet., diffuse fibrosis
		9655/3 Hodgkin lymphoma, lymphocyt. deplet., reticular
		9659/3 Hodgkin lymphoma, nodular lymphocyte predom.
HODGKIN LYMPHOMA, NOD. SCLER.	966	
		9661/3 Hodgkin granuloma
		9662/3 Hodgkin sarcoma
		9663/3 Hodgkin lymphoma, nodular sclerosis, NOS
		9664/3 Hodgkin lymphoma, nod. scler., cellular phase
		9665/3 Hodgkin lymphoma, nod. scler., grade 1
		9667/3 Hodgkin lymphoma, nod. scler., grade 2

ML, SMALL B-CELL LYMPHOCYTIC	967	
		9670/3 ML, small B lymphocytic, NOS
		9671/3 ML, lymphoplasmacytic
		9673/3 Mantle cell lymphoma
		9675/3 ML, mixed sm. and lg. cell, diffuse
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
		9684/3 ML, large B-cell, diffuse, immunoblastic, NOS
		9687/3 Burkitt lymphoma, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9690/3 Follicular lymphoma, NOS
		9691/3 Follicular lymphoma, grade 2
		9695/3 Follicular lymphoma, grade 1
		9698/3 Follicular lymphoma, grade 3
		9699/3 Marginal zone B-cell lymphoma, NOS
T-CELL LYMPHOMAS	970	
		9701/3 Sezary syndrome
		9702/3 Mature T-cell lymphoma, NOS
		9705/3 Angioimmunoblastic T-cell lymphoma
OTHER SPEC. NON-HODGKIN LYMPHOMA	971	
		9714/3 Anaplastic large cell lymphoma, T-cell and Null cell type
		9719/3 NK/T-cell lymphoma, nasal and nasal-type
PRECURS. CELL LYMPHOBLASTIC LYMPH.	972	
		9727/3 Precursor cell lymphoblastic lymphoma, NOS
		9728/3 Precursor B-cell lymphoblastic lymphoma
		9729/3 Precursor T-cell lymphoblastic lymphoma
PLASMA CELL TUMORS	973	
		9731/3 Plasmacytoma, NOS
		9734/3 Plasmacytoma, extramedullary

MAST CELL TUMORS	974	
		9740/3 Mast cell sarcoma
		9741/3 Malignant mastocytosis
NEOPLASMS OF HISTIOCYTES AND ACCESSORY LYMPHOID CELLS	975	
		9750/3 Malignant histiocytosis
		9754/3 Langerhans cell histiocytosis, disseminated
		9755/3 Histiocytic sarcoma
		9756/3 Langerhans cell sarcoma
		9757/3 Interdigitating dendritic cell sarcoma
		9758/3 Follicular dendritic cell sarcoma
LYMPHOID LEUKEMIAS	982	
		9827/3 Adult T-cell leukemia/lymphoma (HTLV-1 positive)
MYELOID LEUKEMIAS	986	
		9861/3 Acute myeloid leukemia, NOS
OTHER LEUKEMIAS	993	
		9930/3 Myeloid sarcoma

PITUITARY GLAND and CRANIOPHARYNGEAL DUCT C751-C752

NEOPLASM	800	
		8000/0 Neoplasm, benign
		8000/1 Neoplasm, uncertain whether benign or malignant
		8000/3 Neoplasm, malignant
		8001/0 Tumor cells, benign
		8001/1 Tumor cells, uncertain whether benign or malignant
		8001/3 Tumor cells, malignant
		8005/0 Clear cell tumor, NOS
		8005/3 Malignant tumor, clear cell type
CARCINOMA, NOS	801	
		8010/0 Epithelial tumor, benign
		8010/2 Carcinoma in situ, NOS
		8010/3 Carcinoma, NOS

ADENOCARCINOMA, NOS	814	
		8140/0 Adenoma, NOS
		8140/2 Adenocarcinoma in situ
		8140/3 Adenocarcinoma, NOS
		8146/0 Monomorphic adenoma
PAPILLARY ADENOMA, NOS	826	
		8260/0 Papillary adenoma, NOS
CHROMOPHOBE CARCINOMA	827	
		8270/0 Chromophobe adenoma
		8270/3 Chromophobe carcinoma
		8271/0 Prolactinoma
		8272/0 Pituitary adenoma, NOS
		8272/3 Pituitary carcinoma, NOS
ACIDOPHIL CARCINOMA	828	
		8280/0 Acidophil adenoma
		8280/3 Acidophil carcinoma
		8281/0 Mixed acidophil-basophil adenoma
		8281/3 Mixed acidophil-basophil carcinoma
OXYPHILIC ADENOCARCINOMA	829	
		8290/0 Oxyphilic adenoma
		8290/3 Oxyphilic adenocarcinoma
BASOPHIL CARCINOMA	830	
		8300/0 Basophil adenoma
		8300/3 Basophil carcinoma
CLEAR CELL ADENOCA., NOS	831	
		8310/0 Clear cell adenoma
GRANULAR CELL CARCINOMA	832	
		8320/3 Granular cell carcinoma
		8323/0 Mixed cell adenoma
		8323/3 Mixed cell adenocarcinoma
SOFT TISSUE TUMORS	880	

		8800/0 Soft tissue tumor, benign
		8800/3 Sarcoma, NOS
LIPOMATOUS NEOPLASMS	885	
		8850/0 Lipoma, NOS
DYSGERMINOMA	906	
		9060/3 Dysgerminoma
		9064/3 Germinoma
		9065/3 Germ cell tumor, nonseminomatous
EMBRYONAL CARCINOMA, NOS	907	
		9070/3 Embryonal carcinoma, NOS
		9071/3 Yolk sac tumor
		9072/3 Polyembryoma
TERATOMA, NOS	908	
		9080/0 Teratoma, benign
		9080/1 Teratoma, NOS
		9080/3 Teratoma, malignant, NOS
		9081/3 Teratocarcinoma
		9082/3 Malignant teratoma, undiff.
		9083/3 Malignant teratoma, intermediate
		9084/3 Teratoma with malig. transformation
		9085/3 Mixed germ cell tumor
CRANIOPHARYNGIOMA	935	
		9350/1 Craniopharyngioma
		9351/1 Adamantinomatous craniopharyngioma
		9352/1 Papillary craniopharyngioma
CHORDOMA	937	
		9370/3 Chordoma
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS

		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9505/3 Ganglioglioma, anaplastic
GRANULAR CELL TUMORS	958	
		9580/0 Granular cell tumor, NOS
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9699/3 Marginal zone B-cell lymphoma, NOS

PINEAL GLAND C753

NEOPLASM	800	
		8000/0 Neoplasm, benign
		8000/1 Neoplasm, uncertain whether benign or malignant
		8000/3 Neoplasm, malignant
		8001/0 Tumor cells, benign
		8001/1 Tumor cells, uncertain whether benign or malignant
		8001/3 Tumor cells, malignant
CARCINOMA, NOS	801	
		8010/0 Epithelial tumor, benign
DYSGERMINOMA	906	
		9060/3 Dysgerminoma
		9064/3 Germinoma
		9065/3 Germ cell tumor, nonseminomatous
EMBRYONAL CARCINOMA, NOS	907	
		9070/3 Embryonal carcinoma, NOS
		9071/3 Yolk sac tumor
		9072/3 Polyembryoma
TERATOMA, NOS	908	
		9080/0 Teratoma, NOS
		9080/3 Teratoma, malignant, NOS
		9081/3 Teratocarcinoma
		9082/3 Malignant teratoma, undiff.

		9083/3 Malignant teratoma, intermediate
		9084/0 Dermoid cyst, NOS
		9084/3 Teratoma with malig. transformation
		9085/3 Mixed germ cell tumor
PINEALOMA, MALIGNANT	936	
		9360/1 Pinealoma, NOS
		9361/1 Pineocytoma
		9362/3 Pineoblastoma
CHORDOMA	937	
		9370/3 Chordoma, NOS
		9371/3 Chondroid chordoma
		9372/3 Dedifferentiated chordoma
PRIMITIVE NEUROECTODERMAL	947	
		9473/3 Primitive neuroectodermal tumor, NOS
GANGLIONEUROBLASTOMA	949	
		9490/3 Ganglioneuroblastoma
		9492/0 Gangliocytoma
NEUROBLASTOMA, NOS	950	
		9500/3 Neuroblastoma, NOS
		9501/3 Medulloepithelioma, NOS
		9502/3 Teratoid medulloepithelioma
		9503/3 Neuroepithelioma, NOS
		9505/1 Ganglioglioma, NOS
		9505/3 Ganglioglioma, anaplastic
ML, LARGE B-CELL, DIFFUSE	968	
		9680/3 ML, large B-cell, diffuse
FOLLIC. & MARGINAL LYMPH, NOS	969	
		9699/3 Marginal zone B-cell lymphoma, NOS

Appendix W: Race and Nationality Descriptions

Appendix W

Appendix W consists of the Race and Nationality Descriptions from the 2000 Census and Bureau of Vital Statistics. This listing is an appendix to the 2004 SEER Race Coding Guidelines.

As a reminder, the CCR has added a new code, code 90 for Other South Asian. Please note that code 90 is not included in Appendix W because it is a code added by the CCR. Please refer Volume I, Section III.2.9 Race and Ethnicity for more detailed race coding information.

Races to be coded as 90 include:

Bangladeshi
Bhutanese
Nepalese
Sikkimese
Sri Lankan

Do not use code 96 as Appendix W indicates for the races listed above.

Appendix W.1

RACE AND NATIONALITY DESCRIPTIONS FROM THE 2000 CENSUS AND BUREAU OF VITAL STATISTICS

Note: Use these lists only when race is not stated but other information is provided in the medical record.

References:

1. *Race and Ethnicity Code Set, Version 1.0, Centers for Disease Control and Prevention, March 2000.*
2. *Instruction manual, part 4: Classification And Coding Instructions For Death Records, 1999-2001, Division of Vital Statistics, National Center for Health Statistics, undated*

Key

Use this code unless patient is stated to be Native American (Indian) or other race

* *Terms listed in reference 2, above.*

! *Description of religious affiliation rather than stated nationality or ethnicity; should be used with caution when determining appropriate race code.*

CODE 01 WHITE
Afghan, Afghanistani
Afrikaner
Albanian
Algerian*
Amish*
Anglo-Saxon*
Arab, Arabian
Argentinian*
Armenian
Assyrian
Australian*
Austrian*
Azores*
Basque*
Bavarian*
Bolivian*
Bozniak/Bosnian
Brava/Bravo*
Brazilian
Bulgarian
Cajun
Californio
Canadian*
Caucasian*
Central American
Chechnyan
Chicano*
Chilean
Colombian*
Costa Rican*
Croat/Croatian
Crucian*
Cuban (*unless specified as Black*)*
Cypriot
Czechoslovakian*

Eastern European
Ebian*
Ecuadorian*
Egyptian
English
English-French*
English-Irish*
European*
Finnish*
French
French Canadian*
Georgian*
German
Greek*
Guatemalan
Gypsy*
Hebrew*!
Herzegovenian
Hispanic*
Honduran
Hungarian*
Iranian, Iran
Iraqi
Irish
Islamic*!
Israeli
Italian
Jordanian*
Kurd/Kurdish
Kuwaitian*
Ladina/Ladino*
Latin American*
Latino
Latvian*
Lebanese
Libyan*
Lithuanian*
Maltese*
Marshenese*
Mauritian*
Moroccan*
Mediterranean*
Mexican
Middle Eastern
Moroccan*
Moslem*!
Muslim*
Near Easterner
Nicaraguan
Nordic*
North African
Norwegian*
Other Arab
Palestinian
Panamanian
Paraguayan
Parsi*
Persian*
Peruvian*
Polish
Portuguese*
Puerto Rican (*unless specified as Black*)
Romanian*
Rumanian
Russian*
Salvadoran

Saudi Arabian*
Scandanavian*
Scottish, Scotch
Semitic*!
Serbian*
Servian*
Shiite!
Sicilian*
Slavic, Slovakian*
South American
Spanish*, Spaniard
Sunni*!
Swedish*
Syrian
Tunisian*
Turkish, Turk*
Ukranian*
United Arab Emirati
Uruguayan
Venezuelan*
Welsh*
White
Yemenite*
Yugoslavian*
Zoroastrian*

CODE 02 BLACK OR AFRICAN AMERICAN
African
African American
Afro-American
Bahamian
Barbadian
Bilalian*
Black
Botswana
Cape Verdean*
Dominica Islander (*unless specified as White*)
Dominican/Dominican Republic (*unless specified as White*)
Eritrean*
Ethiopian
Ghanian*
Haitian
Hamitic*
Jamaican
Kenyan*
Liberian
Malawian*
Mugandan*
Namibian
Nassau*
Negro
Nigerian
Nigritian
Nubian*
Other African
Santo Domingo*
Seychelloise*
Sudanese*
Tanzanian*
Tobagoan
Togolese*
Trinidadian
West Indian
Zairean

CODE 03 AMERICAN INDIAN AND ALASKA NATIVE
(see separate list of tribes)
Alaska Native
Aleut
American Indian
Central American Indian
Eskimo
Meso American Indian
Mexican American Indian
Native American
South American Indian
Spanish American Indian

ASIAN RACE CODES

Code	Definition
96	Amerasian
09	Asian Indian
96	Asian
96	Asiatic
96	Bangladeshi
96	Bhutanese
96	Bornean
96	Bruneian
96	Burmese
13	Cambodian
96	Celebesian
96	Ceram
96	Ceylonese
04	Chinese
96	Eurasian
06	Filipino
12	Hmong
09	Indian (*from India*)
96	Indo-Chinese
96	Indonesian
05	Iwo Jiman
05	Japanese
96	Javanese
13	Kampuchean
08	Korean
11	Laotian
96	Maldivian
96	Madagascar
96	Malaysian
96	Mongolian
96	Montagnard
96	Nepalese
05	Okinawan
96	Oriental
96	Other Asian
09	Pakistani
96	Sikkimese
96	Singaporean
96	Sri Lankan
96	Sumatran
04	Taiwanese
14	Thai
96	Tibetan
10	Vietnamese
96	Whello
96	Yello

NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER CODES

Code	Definition
20	Bikinian

20	Carolinian
21	Chamorro
20	Chuukese
25	Cook Islander
20	Eniwetok, Enewetak
31	Fijian
22	Guamanian
07	Hawaiian
20	Kirabati
20	Kosraean
20	Kwajalein
97	Maori
20	Mariana Islander
20	Marshallese
30	Melanesian
20	Micronesian, NOS
07	Native Hawaiian
97	Nauruan
30	New Caledonian
30	New Hebrides
97	Other Pacific Islander
97	Pacific Islander
20	Palauan
32	Papua New Guinean
07	Part Hawaiian
20	Pohnpeian
25	Polynesian
20	Ponapean
20	Saipanese
27	Samoan
30	Solomon Islander
26	Tahitian
20	Tarawan
20	Tinian
25	Tokelauan
28	Tongan
20	Trukese
25	Tuvaluan
30	Vanuatuan
20	Yapese

98 OTHER RACE, NOT ELSEWHERE CLASSIFIED
Do not use this code for Hispanic, Latino or Spanish, NOS.

OTHER RACE DESCRIPTIONS

Note 1: The following descriptions of ethnic origin cannot be coded to a specific race code. Look for other descriptions of race in the medical record. If no further information is available, code as 99 Unknown.

Aruba Islander
Azerbaijani
Belizean
Bermudan
Cayenne
Cayman Islander
Creole
Guyanese
Indian (*not specified as Native American, Eastern Indian, Northern, Central, or South American Indian*)
Mestizo
Morena
South African
Surinam
Tejano

Note 2: The following terms self-reported in the 2000 Census cannot be coded to a specific race code. Look for other descriptions of race in the medical record. If no further information is available, code as 99 Unknown.

Biracial
Interracial
Mixed
Multiethnic
Multinational
Multiracial

Indian Tribes of the United States, Canada and Mexico (Race Code 03)
Source: National Center for Health Statistics: Appendix C, *Instruction Manual, part 4: Classification and Coding Instructions For Death Records, 1999-2001*.

Abnaki
Absentee-Shawnee
Acoma
Ak Chin
Alabama-Coushatt Tribes of Texas
Alsea
Apache
Arapaho
Arikara
Assiniboin
Atacapa
Athapaskan
Atsina
Aztec
Bear River
Beaver
Bella Coola
Beothuk
Blackfoot
Boold Piegan
Blue Lake
Brotherton
Caddo
Cakchiquel-lenca
Calapooya
Carrier
Catawba
Cattaraugus
Cayuga
Cayuse
Chasta Costa
Chehalis
Chemehuevi
Cherokee
Chetco
Cheyenne
Cheyenne River Sioux
Chickahominy
Chickasaw
Chinook
Chipewyan
Chippewa
Chippewa-Ojibwa
Chiricahua Apache
Chitimacha
Choctaw
Chol

Chontal
Chorti
Chuckchansi
Chumash
Clallam
Clatsop
Clackamus
Clear Lake
Coast Salish
Cochimi
Cochiti
Cocopa
Coeur D'Alene Tribe of Idaho
Cocopah
Columbia
Colville
Comox
Comanche
Concow
Conquille
Coushatta
Covelo
Cow Creek
Cowichan
Cowlitz
Coyotero Apache
Cree
Creek
Crow
Crow Creek Sioux
Dakota
Delaware
Diegueno
Digger
Dog Rib
Duckwater
Eskimo
Euchi
Eyak
Flathead
Fort Hall Res. Tribe of Idaho
French Indian
Gabrieleno
Galice Creek
Gay Head
Gosiute
Gros Ventre
Haida
Han
Hare
Hat Creek
Hawasupai
Hidatsa
Hoh
Hoopa
Hopi
Houma
Hualapai
Huastec
Humboldt Bay
Hupa
Huron
Illinois
Ingalik
Iowa
Iroquois

Isleta
Jemez
Joshua
Juaneno
Jicarilla Apache
Kaibah
Kalispel
Kanosh Band of Paiutes
Kansa
Karankawa
Karok
Kaska
Kaw
Kawai
Keresan Pueblos
Kern River
Kichai
Kickapoo
Kiowa
Kiowa Apache
Kitamat
Klamath
Klikitat
Koasati
Kootenai Tribe of Idaho
Kusa
Kutchin
Kutenai
Kwakiutl
Lac Courte Dreille
Laguna
Lakmuit
Lipan Apache
Lower Brule Sioux
Luiseno
Lummi
Maidu
Makah
Malecite
Mandan
Maricopa
Mary's River
Mashpee
Mattaponi
Maya
Mayo
Mdewakanton Sioux
Menominee
Menomini
Mequendodon
Mescalero Apache
Miami
Micmac
Mission Indians
Missouri
Miwok
Mixe
Mixtec
Modoc
Mohave
Mohawk
Mohegan
Molala
Monachi
Mono
Montagnais

Montauk
Muckleshoot
Munsee
Nambe
Namsemond
Nanticoke
Narragansett
Naskapi
Natchez
Navaho
Navajo
Nez Perce
Niantic
Nipmuck
Nisenan-Patwin
Nisqually
Nomelaki
Nooksak
Nootka
Northern Paiute
Oglala Sioux
Okanogan
Omaha
Oneida
Onondaga
Opata
Opato
Osage
Oto
Otoe
Otomi
Ottawa
Ozette
Paiute
Pamunkey
Panamint
Papago
Passamaquoddy
Patwin
Pawnee
Pen d'Oreille
Penobscot
Peoria
Pequot
Picuris
Pima
Pit River
Pojoaque
Pomo
Ponca
Poosepatuck
Potawatomi
Potomac
Powhatan
Pueblos
Puyallup
Quapaw
Quechan
Quileute
Quinaielt
Quinault
Rappahannock
Rogue River
Rosebud Sioux
Sac and Fox
Saginaw

Salish
Sandia
San Felipe
San Ildefonso
San Juan
San Lorenzo
San Luis Obispo
San Luiseno
Sanpoil
Sanpoil Nespelem
Sant'ana
Santa Barbara
Santa Clara
Santa Ynez
Santee
Santee Sioux
Santiam
Sauk and Fox
Scaticook
Sekane
Seminole
Seneca
Seri
Shasta
Shawnee
Shinnecock
Shivwits Band of Paiutes
Shoshone
Shoshone-Bannock
Shuswap
Siouans
Sioux
Sisseton
Sisseton-Wahpeton Sioux
Siuslaw
Skagit Suiattle
Skokomish
Slave
Smith River
Snake
Snohomish
Snoqualmi
Songish Southern Paiute
Squaxin
Stockbridge
Sumo-Mosquito
Suquamish
Swinomish
Taimskin
Tanana
Tanoan Pueblos
Taos
Tarahumare
Tarascan
Tawakoni
Tejon
Tenino or Warm Springs
Tesuque
Teton
Teton Sioux
Tillamook
Timucua
Thlinget
Tolowa
Tonawanda
Tonkawa

Tonto Apache
Topinish
Totonac
Tsimshian
Tulalip
Tule River Indians
Tunica
Tuscarora
Tututni
Umatilla
Umpqua
Upper Chinook
Ute
Waca
Waicuri-Pericue
Wailaki
Walapai
Walla Walla
Wampanoag
Wapato
Warm Springs
Wasco
Washo
Washoe
Western Apache
Western Shoshone
Whilkut
Wichita
Wikchamni
Wind River Shoshone
Winnebago
Wintu
Wintun
Wishram
Wyandotte
Xicaque
Yahooskin
Yakima
Yamel
Yana
Yankton
Yanktonnais Sioux
Yaqui
Yaquina
Yavapai
Yawilmani
Yellow Knife
Yerington Paiute
Yokuts
Yokuts-Mono
Yomba Shoshone
Yuchi
Yuki
Yuma
Yurok
Zacatec
Zapotec
Zia
Zoque
Zuni

Appendix W.2

RACE AND NATIONALITY DESCRIPTIONS FROM THE 2000 CENSUS AND BUREAU OF VITAL STATISTICS

ALPHABETIC INDEX

Note: Use these lists only when race is not stated but other information is provided in the medical record.

References:

1. *"Race and Ethnicity Code Set, Version 1.0," Centers for Disease Control and Prevention, March 2000.*
2. *"Instruction manual, part 4: Classification And Coding Instructions For Death Records, 1999-2001," Division of Vital Statistics, National Center for Health Statistics, undated*

Key

Use this code unless patient is stated to be Native American (Indian) or other race

* *Terms listed in reference 2, above.*

! *Description of religious affiliation rather than stated nationality or ethnicity; should be used with caution when determining appropriate race code.*

A

03	Abnaki
03	Absentee-Shawnee
03	Acoma
01	Afghan, Afghanistani
02	African
02	African American
01	Afrikaner
02	Afro-American
03	Ak Chin
03	Alabama-Coushatt Tribes of Texas
03	Alaska Native
01	Albanian
03	Aleut
01	Algerian*
03	Alsea
96	Amerasian
03	American Indian
01	Amish*
01	Anglo-Saxon*
03	Apache
01	Arab, Arabian
03	Arapaho
01	Argentinian*
03	Arikara
01	Armenian
96	Asian
09	Asian Indian

96 Asiatic
03 Assiniboin
01 Assyrian
03 Atacapa
03 Athapaskan
03 Atsina
01 Australian*
01 Austrian*
01 Azores*
03 Aztec

B

02 Bahamian
96 Bangladeshi
02 Barbadian
01 Basque*
01 Bavarian*
03 Bear River
03 Beaver
03 Bella Coola
03 Beothuk
96 Bhutanese
20 Bikinian
02 Bilalian*
02 Black
03 Blackfoot
03 Blue Lake
01 Bolivian*
03 Boold Piegan
96 Bornean
02 Botswana
01 Bozniak/Bosnian
01 Brava/Bravo*
01 Brazilian
03 Brotherton
96 Bruneian
01 Bulgarian
96 Burmese

C

03 Caddo
01 Cajun
03 Cakchiquel-lenca
03 Calapooya
01 Californio
13 Cambodian
01 Canadian*
02 Cape Verdean*
20 Carolinian
03 Carrier
03 Catawba
03 Cattaraugus
01 Caucasian*
03 Cayuga
03 Cayuse
96 Celebesian
01 Central American
03 Central American Indian
96 Ceram
96 Ceylonese
21 Chamorro
03 Chasta Costa
01 Chechnyan
03 Chehalis
03 Chemehuevi
03 Cherokee

03 Chetco
03 Cheyenne
03 Cheyenne River Sioux
01 Chicano*
03 Chickahominy
03 Chickasaw
01 Chilean
04 Chinese
03 Chinook
03 Chipewyan
03 Chippewa
03 Chippewa-Ojibwa
03 Chiricahua Apache
03 Chitimacha
03 Choctaw
03 Chol
03 Chontal
03 Chorti
03 Chuckchansi
03 Chumash
20 Chuukese
03 Clackamus
03 Clallam
03 Clatsop
03 Clear Lake
03 Coast Salish
03 Cochimi
03 Cochiti
03 Cocopa
03 Cocopah
03 Coeur D'Alene Tribe of Idaho
01 Colombian*
03 Columbia
03 Colville
03 Comanche
03 Comox
03 Concow
03 Conquille
25 Cook Islander
01 Costa Rican*
03 Coushatta
03 Covelo
03 Cow Creek
03 Cowichan
03 Cowlitz
03 Coyotero Apache
03 Cree
03 Creek
01 Croat/Croatian
03 Crow
03 Crow Creek Sioux
01 Crucian*
01 Cuban (*unless specified as Black*)*
01 Cypriot
01 Czechoslovakian*

D

03 Dakota
03 Delaware
03 Diegueno
03 Digger
03 Dog Rib
02 Dominica Islander (*unless specified as White*)
02 Dominican/Dominican Republic (*unless specified as White*)
03 Duckwater

E

01	Eastern European
01	Ebian*
01	Ecuadorian*
01	Egyptian
01	English
01	English-French*
01	English-Irish*
20	Eniwetok, Enewetak
02	Eritrean*
03	Eskimo
02	Ethiopian
03	Euchi
96	Eurasian
01	European*
03	Eyak

F

31	Fijian
06	Filipino
01	Finnish*
03	Flathead
03	Fort Hall Res. Tribe of Idaho
01	French
01	French Canadian*
03	French Indian

G

03	Gabrieleno
03	Galice Creek
03	Gay Head
01	Georgian*
01	German
02	Ghanian*
03	Gosiute
01	Greek*
03	Gros Ventre
22	Guamanian
01	Guatemalan
01	Gypsy*

H

03	Haida
02	Haitian
02	Hamitic*
03	Han
03	Hare
03	Hat Creek
07	Hawaiian
03	Hawasupai
01	Hebrew*!
01	Herzegovenian
03	Hidatsa
01	Hispanic*
12	Hmong
03	Hoh
01	Honduran
03	Hoopa
03	Hopi
03	Houma
03	Hualapai
03	Huastec
03	Humboldt Bay
01	Hungarian*
03	Hupa
03	Huron

I

03 Illinois
09 Indian (*from India*)
96 Indo-Chinese
96 Indonesian
03 Ingalik
03 Iowa
01 Iranian, Iran
01 Iraqi
01 Irish
03 Iroquois
01 Islamic*!
03 Isleta
01 Israeli
01 Italian
05 Iwo Jiman

J

02 Jamaican
05 Japanese
96 Javanese
03 Jemez
03 Jicarilla Apache
01 Jordanian*
03 Joshua
03 Juaneno

K

03 Kaibah
03 Kalispel
13 Kampuchean
03 Kanosh Band of Paiutes
03 Kansa
03 Karankawa
03 Karok
03 Kaska
03 Kaw
03 Kawai
02 Kenyan*
03 Keresan Pueblos
03 Kern River
03 Kichai
03 Kickapoo
03 Kiowa
03 Kiowa Apache
20 Kirabati
03 Kitamat
03 Klamath
03 Klikitat
03 Koasati
03 Kootenai Tribe of Idaho
08 Korean
20 Kosraean
01 Kurd/Kurdish
03 Kusa
03 Kutchin
03 Kutenai
01 Kuwaitian*
20 Kwajalein
03 Kwakiutl

L

03 Lac Courte Dreille
01 Ladina/Ladino*
03 Laguna

03	Lakmuit
11	Laotian
01	Latin American*
01	Latino/Latina
01	Latvian*
01	Lebanese
02	Liberian
01	Libyan*
03	Lipan Apache
01	Lithuanian*
03	Lower Brule Sioux
03	Luiseno
03	Lummi
	M
96	Madagascar
03	Maidu
03	Makah
02	Malawian*
96	Malaysian
96	Maldivian
03	Malecite
01	Maltese*
03	Mandan
97	Maori
20	Mariana Islander
03	Maricopa
20	Marshallese
01	Marshenese*
03	Mary's River
03	Mashpee
03	Mattaponi
01	Mauritian*
03	Maya
03	Mayo
03	Mdewakanton Sioux
01	Mediterranean*
30	Melanesian
03	Menominee
03	Menomini
03	Mequendodon
03	Mescalero Apache
03	Meso American Indian
01	Mexican
03	Mexican American Indian
03	Miami
03	Micmac
20	Micronesian, NOS
01	Middle Eastern
03	Mission Indians
03	Missouri
03	Miwok
03	Mixe
03	Mixtec
03	Modoc
03	Mohave
03	Mohawk
03	Mohegan
03	Molala
03	Monachi
96	Mongolian
03	Mono
03	Montagnais
96	Montagnard
03	Montauk
01	Moroccan*

01 Moroccan*
01 Moslem*!
03 Muckleshoot
02 Mugandan*
03 Munsee
01 Muslim*!

N

03 Nambe
02 Namibian
03 Namsemond
03 Nanticoke
03 Narragansett
03 Naskapi
02 Nassau*
03 Natchez
07 Native Hawaiian
97 Nauruan
03 Navaho
03 Navajo
01 Near Easterner
02 Negro
96 Nepalese
30 New Caledonian
30 New Hebrides
03 Nez Perce
03 Niantic
01 Nicaraguan
02 Nigerian
02 Nigritian
03 Nipmuck
03 Nisenan-Patwin
03 Nisqually
03 Nomelaki
03 Nooksak
03 Nootka
01 Nordic*
01 North African
03 Northern Paiute
01 Norwegian*
02 Nubian*

O

03 Oglala Sioux
03 Okanogan
05 Okinawan
03 Omaha
03 Oneida
03 Onondaga
03 Opata
03 Opato
96 Oriental
03 Osage
02 Other African
01 Other Arab
96 Other Asian
97 Other Pacific Islander
98 Other race, not elsewhere classified
03 Oto
03 Otoe
03 Otomi
03 Ottawa
03 Ozette

P

97 Pacific Islander

03	Paiute
09	Pakistani
20	Palauan
01	Palestinian
03	Pamunkey
01	Panamanian
03	Panamint
03	Papago
32	Papua New Guinean
01	Paraguayan
01	Parsi*
07	Part Hawaiian
03	Passamaquoddy
03	Patwin
03	Pawnee
03	Pen d'Oreille
03	Penobscot
03	Peoria
03	Pequot
01	Persian*
01	Peruvian*
03	Picuris
03	Pima
03	Pit River
20	Pohnpeian
03	Pojoaque
01	Polish
25	Polynesian
03	Pomo
20	Ponapean
03	Ponca
03	Poosepatuck
01	Portuguese*
03	Potawatomi
03	Potomac
03	Powhatan
03	Pueblos
01	Puerto Rican (*unless specified as Black*)
03	Puyallup
	Q
03	Quapaw
03	Quechan
03	Quileute
03	Quinaielt
03	Quinault
	R
03	Rappahannock
03	Rogue River
01	Romanian*
03	Rosebud Sioux
01	Rumanian
01	Russian*
	S
03	Sac and Fox
03	Saginaw
20	Saipanese
03	Salish
01	Salvadoran
27	Samoan
03	San Felipe
03	San Ildefonso
03	San Juan
03	San Lorenzo

03	San Luis Obispo
03	San Luiseno
03	Sandia
03	Sanpoil
03	Sanpoil Nespelem
03	Santa Barbara
03	Santa Clara
03	Santa Ynez
03	Sant'ana
03	Santee
03	Santee Sioux
03	Santiam
02	Santo Domingo*
01	Saudi Arabian*
03	Sauk and Fox
01	Scandanavian*
03	Scaticook
01	Scottish, Scotch
03	Sekane
03	Seminole
01	Semitic*!
03	Seneca
01	Serbian*
03	Seri
01	Servian*
02	Seychelloise*
03	Shasta
03	Shawnee
01	Shi'ite!
03	Shinnecock
03	Shivwits Band of Paiutes
03	Shoshone
03	Shoshone-Bannock
03	Shuswap
01	Sicilian*
96	Sikkimese
96	Singaporean
03	Siouans
03	Sioux
03	Sisseton
03	Sisseton-Wahpeton Sioux
03	Siuslaw
03	Skagit Suiattle
03	Skokomish
03	Slave
01	Slavic, Slovakian*
03	Smith River
03	Snake
03	Snohomish
03	Snoqualmi
30	Solomon Islander
03	Songish Southern Paiute
01	South American
03	South American Indian
03	Spanish American Indian
01	Spanish*, Spaniard
03	Squaxin
96	Sri Lankan
03	Stockbridge
02	Sudanese*
96	Sumatran
03	Sumo-Mosquito
01	Sunni*!
03	Suquamish
01	Swedish*
03	Swinomish

01 Syrian

T

26 Tahitian
03 Taimskin
04 Taiwanese
03 Tanana
03 Tanoan Pueblos
02 Tanzanian*
03 Taos
03 Tarahumare
03 Tarascan
20 Tarawan
03 Tawakoni
03 Tejon
03 Tenino or Warm Springs
03 Tesuque
03 Teton
03 Teton Sioux
14 Thai
03 Thlinget
96 Tibetan
03 Tillamook
03 Timucua
20 Tinian
02 Tobagoan
02 Togolese*
25 Tokelauan
03 Tolowa
03 Tonawanda
28 Tongan
03 Tonkawa
03 Tonto Apache
03 Topinish
03 Totonac
02 Trinidadian
20 Trukese
03 Tsimshian
03 Tulalip
03 Tule River Indians
03 Tunica
01 Tunisian*
01 Turkish, Turk*
03 Tuscarora
03 Tututni
25 Tuvaluan

U

01 Ukranian*
03 Umatilla
03 Umpqua
01 United Arab Emirati
03 Upper Chinook
01 Uruguayan
03 Ute

V

30 Vanuatuan
01 Venezuelan*
10 Vietnamese

W

03 Waca
03 Waicuri-Pericue

03 Wailaki
03 Walapai
03 Walla Walla
03 Wampanoag
03 Wapato
03 Warm Springs
03 Wasco
03 Washo
03 Washoe
01 Welsh*
02 West Indian
03 Western Apache
03 Western Shoshone
96 Whello
03 Whilkut
01 White
03 Wichita
03 Wikchamni
03 Wind River Shoshone
03 Winnebago
03 Wintu
03 Wintun
03 Wishram
03 Wyandotte

X

03 Xicaque

Y

03 Yahooskin
03 Yakima
03 Yamel
03 Yana
03 Yankton
03 Yanktonnais Sioux
20 Yapese
03 Yaqui
03 Yaquina
03 Yavapai
03 Yawilmani
96 Yello
03 Yellow Knife
01 Yemenite*
03 Yerington Paiute
03 Yokuts
03 Yokuts-Mono
03 Yomba Shoshone
03 Yuchi
01 Yugoslavian*
03 Yuki
03 Yuma
03 Yurok

Z

03 Zacatec
02 Zairean
03 Zapotec
03 Zia
03 Zoque
01 Zoroastrian*!
03 Zuni

Note: The following terms cannot be coded to a specific race code. Look for other descriptions of race in the medical record. If no further information is available, code as 99 Unknown.

Aruba Islander
Azerbaijani
Belizean
Bermudan
Biracial
Cayenne
Cayman Islander
Creole
Guyanese
Indian (*not specified as Native American, Eastern Indian, Northern, Central, or South American Indian*)
Interracial
Mestizo
Mixed
Morena
Multiethnic
Multinational
Multiracial
South African
Surinam
Tejano