

Additional Documents

to Accompany the  
CPS Labor Extracts

CD - ROM

1979 - 1997

NBER

August , 1998

## Appendices

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Table of 2-digit Industry Codes (NBER assigned)			
Industry Name	DIND	IND70	IND80
		1979-1982	1983-1997
Agriculture Service	1	18-19	12-30
Other Agriculture	2	17	10-11
Mining	3	47-57	40-50
Construction	4	67-77	60
Manufacturing (Durable Goods)			
Lumber and wood products , except furniture	5	107-109	230-241
Furniture and fixtures	6	118	242
Stone clay ,glass and concrete product	7	119-138	250-262
Primary metals	8	139-149	270-280
Fabricated metal	9	157-168, 258	281-300
Not specified metal industries	10	169	301
Machinery, except electrical	11	177-198	310-332
Electrical Machinery, equipment ,and supplies	12	199-209	340-350
Motor vehicles and equipment	13	219	351
Aircrafts and parts	14	227	352
Other transportation equipment	15	228-238	360-370
Professional and photographic equipment	16	239-257	371-382
Toys, amusements ,and sporting goods	17		390
Miscellaneous and not specified manufacturing industries	18	259	391-392
Miscellaneous and not specified manufacturing industries			
Food and kindred products	19	268-298	100-122
Tobacco manufactures	20	299	130
Textile mill products	21	307-318	132-150
Apparel and other finished textile prod.	22	319-327	151-152
Paper and allied products	23	328-337	160-162
Printing ,publishing and allied industries	24	338-339	171-172
Chemicals and allied products	25	347-369	180-192
Petroleum and coal products	26	377-378	200-201
Rubber and miscellaneous plastics products	27	379-387	210-212
Leather and leather products	28	388-398	220-222
Transportation	29	407-429	400-432
Communications	30	447-449	440-442

Utilities and Sanitary Services	31	467-479	450-472
Wholesale Trade	32	507-588	500-571
Retail Trade	33	607-698	580-691
Banking and Other Finance	34	707-709	700-710
Insurance and Real Estate	35	717-718	711-712

Table of 2-digit Industry Codes (continued) (NBER assigned)

Industry Name	DIND	IND70	IND80
		1979-1982	1983-1997
Private Household Services	36	769	761
Business Services	37	727-748	721-750
Repair Services	38	749-759	751-760
Personal Services , Except Private Household	39	777-798	762-791
Entertainment and Recreation Services	40	807-809	800-810
Hospitals	41	838	831
Health Services , Except Hospitals	42	828-837,839-848	812-830,832-840
Educational Services	43	857-868	842-860
Social Services	44	877-879	861-871
Other professional Services	45	887-897,849, 869	841, 872-893
Forestry and Fisheries	46	027-028	031-032
Armed Forces last job, currently unemployed	51		991
Public Administration	52	907-937	900-932

Appendix A 3-digit Industry Classification ind70 defined through 1982. From 1970 Census. 1967 SIC in ( ).	
AGRICULTURE, FORESTRY, AND FISHERIES	
17	Agricultural production (01)
18	Agricultural services, except horticultural (07 except 0713 and 073)
19	Horticultural services (073)
27	Forestry (08)
28	Fisheries (09)
29	Agriculture, forestry, and fisheries--allocated
MINING	
47	Metal mining (10)
48	Coal mining (11, 12)
49	Crude petroleum and natural gas extractions (13)
57	Nonmetallic mining and quarrying, except fuel (14)
58	Mining--allocated
CONSTRUCTION	
67	General building contractors (15)
68	General contractors, except building (16)
69	Special trade contractors (17)
77	Not specified construction
78	Construction--allocated
MANUFACTURING	
DURABLE GOODS	
Lumber and wood products, except furniture	
107	Logging 241)
108	Sawmills, planing mills, and mill work (242, 243)
109	Miscellaneous wood products (244,249)
118	Furniture and fixtures (25)
Stone, clay, and glass products	
119	Glass and glass products (321-323)
127	Cement, concrete, gypsum, and plaster products (324, 327)
128	Structural clay products (325)
137	Pottery and related products (326)

138	Miscellaneous nonmetallic mineral and stone products (328, 329)
Metal industries	
139	Blast furnaces, steel works, rolling and finishing mills (3312^3313)
147	Other primary iron and steel industries (3315-3317, 332, 3391, part 3399)
148	Primary aluminum industries (3334, part 334, 3352, 3361, part 3392, part 3399)
149	Other primary nonferrous industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, part 3392, part 3399)
157	Cutlery, hand tools, and other hardware (342)
158	Fabricated structural metal products (344)
159	Screw machine products (345)
167	Metal stamping (346)
168	Miscellaneous fabricated metal products (341, 343, 347, 348, 349)
169	Not specified metal industries
Machinery, except electrical	
177	Engines and turbines (351)
178	Farm machinery and equipment (352)
179	Construction and material handling machines (353)
187	Metalworking machinery (354)
188	Office and accounting machines (357 except 3573)
189	Electronic computing equipment (3573)
197	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
198	Not specified machinery
Electrical machinery, equipment, and supplies	
199	Household appliances (363)
207	Radio, T.V., and communication equipment (365, 366)
208	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
209	Not specified electrical machinery, equipment, and supplies

Transportation equipment	
219	Motor vehicles and motor vehicle equipment (371)
227	Aircraft and parts (372)
228	Ship and boat building and repairing (373)
229	Railroad locomotives and equipment (374)
237	Mobile dwellings and campers (3791)
238	Cycles and miscellaneous transportation equipment (375, 3799)
Professional and photographic equipment, and watches	
239	Scientific and controlling instruments (381, 382)
247	Optical and health services supplies (383, 384, 385)
248	Photographic equipment and supplies (386)
249	Watches, clocks, and clockwork-operated devices (387)
257	Not specified professional equipment
***	Ordnance (19)
258	
259	Miscellaneous manufacturing industries (39)
267	Manufacturing, durable goods--allocated
NONDURABLE GOODS	
Food and kindred products	
268	Meat products (201)
269	Dairy products (202)
278	Canning and preserving fruits, vegetables, and sea foods (203)
279	Grain-mill products (204, 0713)
287	Bakery products (205)
288	Confectionery and related products (207)
289	Beverage industries (208)
297	Miscellaneous food preparation and kindred products (206,209)
298	Not specified food industries
299	Tobacco manufactures (21)
Textile mill products	
307	Knitting mills (225)

308	Dyeing and finishing textiles, except wool and knit goods (226)
309	Floor coverings, except hard surface (227)
317	Yarn, thread, and fabric mills (221-224^ 228)
318	Miscellaneous textile mill products (229)
Apparel and other fabricated textile products	
319	Apparel and accessories (231-238)
327	Miscellaneous fabricated textile products (239)
Paper and allied products	
328	Pulp, paper, and paperboard mills (261-263, 266)
329	Miscellaneous paper and pulp products (264)
337	Paperboard containers and boxes (265)
Printing, publishing, and allied industries	
338	Newspaper publishing and printing (271)
339	Printing, publishing, and allied industries, except newspapers (272-279)
Chemicals and allied products	
347	Industrial chemicals (281)
348	Plastics, synthetics and resins, except fibers (282, except 2823 and 2824)
349	Synthetic fibers (2823, 2824)
357	Drugs and medicines (283)
358	Soaps and cosmetics (284)
359	Paints, varnishes, and related products (285)
367	Agricultural chemicals (287)
368	Miscellaneous chemicals (286, 289)
369	Not specified chemicals and allied products
Petroleum and coal products	
377	Petroleum refining (291)
378	Miscellaneous petroleum and coal products (295, 299)
Rubber and miscellaneous plastic products	

379	Rubber products (301-303, 306)
387	Miscellaneous plastic products (307)
Leather and leather products	
388	Tanned, curried, and finished leather (311)
389	Footwear, except rubber (313, 314)
397	Leather products, except footwear (312, 315-317, 319)
399	Manufacturing, nondurable goods--allocated
398	NOT SPECIFIED MANUFACTURING INDUSTRIES
Transportation	
407	Railroads and railway express service (40)
408	Street railways and bus lines (411, 413-415, 417)
409	Taxicab service (412)
417	Trucking service (421,423)
418	Warehousing and storage (422)
419	Water transportation (44)
427	Air transportation (45)
428	Pipe lines, except natural gas (46)
429	Services incidental to transportation (47)
Communications	
447	Radio broadcasting and television (483)
448	Telephone (wire and radio) (481)
449	Telegraph and miscellaneous communication services (482, 489)
Utilities and sanitary services	
467	Electric light and power (491)
468	Electric-gas utilities (493)
469	Gas and steam supply systems (492, 496)
477	Water supply (494)
478	Sanitary services (495)
479	Other and not specified utilities (497)
499	Transportation, communications, and other public utilities--allocated
WHOLESALE AND RETAIL TRADE	
Wholesale trade	
507	Motor vehicles and equipment (501)

508	Drugs, chemicals and allied products (502)
509	Dry goods and apparel (503)
527	Food and related products (504)
528	Farm products--raw materials (505)
529	Electrical goods (506)
537	Hardware, plumbing, and heating supplies (507)
538	Not specified electrical and hardware products
539	Machinery equipment and supplies (508)
557	Metals and minerals, n.e.c. (5091)
558	Petroleum products (5092)
559	Scrap and waste materials (5093)
567	Alcoholic beverages (5095)
568	Paper and its products (5096)
569	Lumber and construction materials (5098)
587	Wholesalers, n.e.c. (5094, 5097, 5099)
588	Not specified wholesale trade
599	Wholesale trade--allocated
Retail trade	
607	Lumber and building material retailing (521-524)
608	Hardware and farm equipment stores (525)
609	Department and mail order establishments (531, 532)
617	Limited price variety stores (533)
618	Vending machine operators (534)
619	Direct selling establishments (535)
627	Miscellaneous general merchandise stores (539)
628	Grocery stores (541)
629	Dairy products stores (545)
637	Retail bakeries (546)
638	Food stores, n.e.c. (542-544, 549)
639	Motor vehicle dealers (551, 552)
647	Tire, battery, and accessory dealers (553)
648	Gasoline service stations (554)
649	Miscellaneous vehicle dealers (559)
657	Apparel and accessories stores,

	except shoe stores (56 except 566)
658	Shoe stores (566)
667	Furniture and home furnishings stores (571)
668	Household appliances, TV, and radio stores (572, 573)
669	Eating and drinking places (58)
677	Drug stores (591)
678	Liquor stores (592)
679	Farm and garden supply stores (596)
687	Jewelry stores (597)
688	Fuel and ice dealers (598)
689	Retail florists (5992)
697	Miscellaneous retail stores (593-595, 599 exc. 5992)
698	Not specified retail trade
699	Retail trade--allocated
FINANCE, INSURANCE, AND REAL ESTATE	
707	Banking (60)
708	Credit agencies (61)
709	Security, commodity brokerage, and investment companies (62, 67)
717	Insurance (63, 64)
718	Real estate, incl. real estate-insurance-law offices (65, 66)
BUSINESS AND REPAIR SERVICES	
719	Finance, insurance, and real estate--allocated
727	Advertising (731)
728	Services to dwellings and other buildings (734)
729	Commercial research, development, and testing labs (7391, 7397)
737	Employment and temporary help agencies (736, 7398)
738	Business management and consulting services (part 7392)
739	Computer programming services (part 7392)
747	Detective and protective services (7393)
748	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
749	Automobile services, except repair

	(751, 752, 754)
757	Automobile repair and related services (753)
758	Electrical repair shops (762, 7694)
759	Miscellaneous repair services (763, 764, 769, except 7694)
767	Business and repair services--allocated
PERSONAL SERVICES	
769	Private households (88)
777	Hotels and motels (701)
778	Lodging places, except hotels and motels (702, 703, 704)
779	Laundering, cleaning, and other garment services (721, 727)
787	Beauty shops (723)
788	Barber shops (724)
789	Shoe repair shops (725)
797	Dressmaking shops (part 729)
798	Miscellaneous personal services (722, 726, part 729)
799	Personal services--allocated
ENTERTAINMENT AND RECREATION SERVICES	
807	Theaters and motion pictures (78, 792)
808	Bowling alleys, billiard and pool parlors (793)
809	Miscellaneous entertainment and recreation services (791, 794)
817	Entertainment and recreation services--allocated
PROFESSIONAL AND RELATED SERVICES	
828	Offices of physicians (801, 803)
829	Offices of dentists (802)
837	Offices of chiropractors (804)
838	Hospitals (806)
839	Convalescent institutions (8092)
847	Offices of health practitioners, n.e.c. (part 8099)
848	Health services, n.e.c. (807, part 8099)
849	Legal services (81)
857	Elementary and secondary schools (821)
858	Colleges and universities (822)



859	Libraries (823)
867	Educational services, n.e.c. (824, 829)
868	Not specified educational services
869	Museums, art galleries, and zoos (84)
877	Religious organizations(866)
878	Welfare services (part 867)
887	Nonprofit membership organizations (861-865, 869)
888	Engineering and architectural services (891)
889	Accounting, auditing, and bookkeeping services (893)
897	Miscellaneous professional and related services (892, 899)
899	Professional and related services--allocated
PUBLIC ADMINISTRATION	
907	Postal service (part 9190)

917	Federal public administration (part 9190, 9490)
927	State public administration (9290)
937	Local public administration (9390)
947	Public administration--allocated
WORKERS NOT CLASSIFIABLE BY INDUSTRY	
997	Unemployed persons, last worked 1959 or earlier *
999	Industry not reported**
*	Found in experienced civilian labor force universe only.
**	Used for Industry 5-years ago item only.
8	End of IND70

Appendix B  
 3-digit Industry  
 1983 on  
 IND80  
 1972 SIC in ( )=

CURRENT INDUSTRY	
K.4Coding for 1983-1996 ind80	
1980 Census of Population -Industry Classification	
(Numbers in parentheses are the 1972 SIC code equivalents;	
Pt" means part; "n.e.c." means not else where classified.)	
not used	0-9
AGRICULTURE, FORESTRY, AND FISHERIES	10-31
Agricultural production, crops (01)	10
Agricultural production, livestock (02)	11
not used [83-91]	12-19
Veterinary services [1992+]	12
Agricultural services, except horticultural(07, except 078)[83-91]	20
Horticultural services (078) [83-91]	21
Landscape and horticultutal services [92+]	20
not used	22-29
Forestry (08) [83-91]	30
Agricultural services, n.e.c. [92+]	30
Fishing, hunting, and trapping (09) [83-91]	31
Forestry [92+]	31
Fishing, hunting, and trapping [92+]	32
not used [83-91]	32-39
not used [92+]	33-39
MINING	40-50
Metal mining (10)	40
Coal mining (11, 12)	41
Crude petroleum and natural gas extraction (13) [83-91]	42
Oil and gas extraction [92+]	42
not used	43-49
Nonmetallic mining and quarrying, except fuel (14)	50
not used	51-59
CONSTRUCTION (15, 16, 17)	60
not used	61-99
MANUFACTURING	100-392

Nondurable Goods	100-222
Food and kindred products	100-122
Meat products (201)	100
Dairy products (202)	101
Canned and preserved fruits and vegetables (203) [83-91]	102
Canned, frozen, and preserved fruits and vegetables	102
not used	103-109
Grain mill products (204)	110
Bakery products (205)	111
Sugar and confectionery products (206)	112
not used	113-119
Beverage industries (208)	120
Miscellaneous food preparations & kindred products (207,209)	121
Not specified food industries	122
not used	123-129
Tobacco manufactures (21)	130
not used	131
Textile mill products	132-150
Knitting mills (225)	132
not used	133-139
Dyeing & finishing textiles, except wool & knit goods (226)	140
Floor coverings, except hard surface (227) [83-91]	141
Carpets and rugs	141
Yarn, thread, and fabric mills (228, 221-224)	142
not used	143-149
Miscellaneous textile mill products (229)	150
Apparel and other finished textile products	151-152
Apparel and accessories, except knit (231-238)	151
Miscellaneous fabricated textile products (239)	152
not used	153-159
Paper and allied products	160-162
Pulp, paper, and paperboard mills (261-263, 266)	160
Miscellaneous paper and pulp products (264)	161
Paperboard containers and boxes (265)	162
not used	163-170
Printing, publishing, and allied industries	171-172
Newspaper publishing and printing (271)	171
Printing, publishing, & allied industries, except newspapers (272-279)	172
not used	173-179
Chemicals and allied products	180-192
Plastics, synthetics, and resins (282)	180
Drugs (283)	181

Soaps and cosmetics (284)	182
not used	183-189
Paints, varnishes, and related products (285)	190
Agricultural chemicals (287)	191
Industrial and miscellaneous chemicals (281, 286, 289)	192
not used	193-199
Petroleum and coal products	200-201
Petroleum refining (291)	200
Miscellaneous petroleum and coal products (295, 299)	201
not used	202-209
Rubber and miscellaneous plastics products	210-212
Tires and inner tubes (301)	210
Other rubber products, and plastics footwear and belting (302-304,306)	211
Miscellaneous plastics products (307)	212
not used	213-219
Leather and leather products	220-222
Leather tanning and finishing (311)	220
Footwear, except rubber and plastic (313, 314)	221
Leather products, except footwear (315-317, 319)	222
not used	223-229
Durable Goods	230-391
Lumber and wood products, except furniture	230-241
Logging (241)	230
Sawmills, planning mills, and millwork (242, 243)	231
Wood buildings and mobile homes (245)	232
not used	233-240
Miscellaneous wood products (244, 249)	241
Furniture and fixtures (25)	242
not used	243-249
Stone, clay, glass, and concrete products	250-262
Glass and glass products (321-323)	250
Cement, concrete, gypsum, and plaster products (324, 327)	251
Structural clay products (325)	252
not used	253-260
Pottery and related products (326)	261
Miscellaneous nonmetallic mineral & stone products (328,329)	262
not used	263-269
Metal industries	270-301
Blast furnaces, steelworks, rolling & finishing mills (331)	270
Iron and steel foundries (332)	271
Primary aluminum industries (3334, part 334, 3353-3355,3361)	272
not used	273-279

Other primary metal industries (3331-3333, 3339, part 334,335 1 3356, 3357, 3362, 3369, 339)	280
Cutlery, handtools, and other hardware (342) [83-91]	281
Cutlery, handtools, and general hardware [92+]	281
Fabricated structural metal products (344)	282
not used	283-289
Screw machine products (345)	290
Metal forgings and stampings (346)	291
Ordnance (348)	292
not used	293-299
Miscellaneous fabricated metal products (341,343,347,349)	300
Not specified metal industries	301
not used	302-309
Machinery, except electrical	310-332
Engines and turbines (351)	310
Farm machinery and equipment (352)	311
Construction and material handling machines (353)	312
not used	313-319
Metalworking machinery (354)	320
Office and accounting machines (357, except 3573)	321
Electronic computing equipment (3573) [83-91]	322
Computers and related equipment [92+]	322
not used	323-330
Machinery, except electrical, n.e.c. (355, 356, 358, 359)	331
Not specified machinery	332
not used	333-339
Electrical machinery, equipment, and supplies	340-350
Household appliances (363)	340
Radio, T.V., and communication equipment (365, 366)	341
Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)	342
not used	343-349
Not specified electrical machinery, equipment, & supplies	350
Transportation equipment	351-370
Motor vehicles and motor vehicle equipment (371)	351
Aircraft and parts (372)	352
not used	353-359
Ship and boat building and repairing (373)	360
Railroad locomotives and equipment (374)	361
Guided missiles, space vehicles, and parts (376)	362
not used	363-369
Cycles and miscellaneous transportation equipment (375, 379)	370
Professional and photographic equipment, and watches	371-382

Scientific and controlling instruments (381, 382)	371
Optical and health services supplies (383, 384, 385) [83-91]	372
Medical, dental, and optical instruments and supplies [92+]	372
not used	373-379
Photographic equipment and supplies (386)	380
Watches, clocks, and clockwork operated devices (387)	381
Not specified professional equipment [83-91]	382
not used	383-389
Toys, amusement, and sporting goods (394)	390
Miscellaneous manufacturing industries (39 except 394)	391
Not specified manufacturing industries*	392
not used	393-399
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	400-472
Transportation	400-432
Railroads (40)	400
Bus service and urban transit (41 except 412)	401
Taxicab service (412)	402
not used	403-409
Trucking service (421, 423)	410
Warehousing and storage (422)	411
U.S. Postal Service (43)	412
not used	413-419
Water transportation (44)	420
Air transportation (45)	421
Pipe lines, except natural gas (46)	422
not used	423-431
Services incidental to transportation (47)	432
not used	433-439
Communications	440-442
Radio and television broadcasting (483) [83-91]	440
Radio and television broadcasting and cable [92+]	440
Telephone, wire and radio (481) [83-91]	441
Telephone communications	441
Telegraph and miscellaneous communication services (482, 489)	442
not used [83-91]	443-459
not used [92+]	443-449, 453-459
Utilities and sanitary services	460-472
Electric light and power [92+]	450
Gas and steam supply systems [92+]	451
Electric and gas, and other combinations [92+]	452
Electric light and power (491) [83-91]	460
Gas and steam supply systems (492, 496) [83-91]	461

Electric and gas, and other combinations (493) [83-91]	462
not used	463-469
Water supply and irrigation (494, 497)	470
Sanitary services (495)	471
Not specified utilities	472
not used	473-499
WHOLESALE TRADE	500-571
Durable Goods	500-532
Motor vehicles and equipment (501)	500
Furniture and home furnishings (502)	501
Lumber and construction materials (503)	502
not used	503-509
Sporting goods, toys, and hobby goods (504) [83-91]	510
Professional and commercial equipment and supplies [92+]	510
Metals and minerals, except petroleum (505)	511
Electrical goods (506)	512
not used	513-520
Hardware, plumbing and heating supplies (507)	521
Not specified electrical and hardware products [83-91]	522
not used	523-529
Machinery, equipment, and supplies (508)	530
Scrap and waste materials (5093)	531
Miscellaneous wholesale, durable goods (5094, 5099)	532
not used	533-539
Nondurable Goods	540-571
Paper and paper products (511)	540
Drugs, chemicals, and allied products (512, 516)	541
Apparel, fabrics, and notions (513)	542
not used	543-549
Groceries and related products (514)	550
Farm products - raw materials (515)	551
Petroleum products (517)	552
not used	553-559
Alcoholic beverages (518)	560
Farm supplies (5191)	561
Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)	562
not used	563-570
Not specified wholesale trade	571
not used	572-579
RETAIL TRADE	580-691
Lumber and building material retailing (521, 523)	580
Hardware stores (525)	581
Retail nurseries and garden stores (526)	582

not used	583-589
Mobile home dealers (527)	590
Department stores (531)	591
Variety stores (533)	592
not used	593-599
Miscellaneous general merchandise stores (539)	600
Grocery stores (541)	601
Dairy products stores (545)	602
not used	603-609
Retail bakeries (546)	610
Food stores, n.e.c. (542, 543, 544, 549)	611
Motor vehicle dealers (551, 552)	612
not used	613-619
Auto and home supply stores (553)	620
Gasoline service stations (554)	621
Miscellaneous vehicle dealers (555, 556, 557, 559)	622
not used [83-91]	623-629
not used [92+]	624-629
Apparel and accessory stores, except shoe [92+]	623
Apparel and accessory stores, except shoe (56, except 566)[83-91]	630
Shoe stores [92+]	630
Shoe stores (566) [83-91]	631
Furniture and home furnishings stores [92+]	631
Furniture and home furnishings stores (571) [83-91]	632
Household appliance stores [92+]	632
Radio, TV, and computer stores [92+]	633
not used [83-91]	633-639
not used [92+]	634-639
Household appliances, TV, and radio stores (572,573) [83-91]	640
Music stores [92+]	640
Eating and drinking places (58)	641
Drug stores (591)	642
not used	643-649
Liquor stores (592)	650
Sporting goods, bicycles, and hobby stores (5941,5945,5946)	651
Book and stationery stores (5942, 5943)	652
not used	653-659
Jewelry stores (5944)	660
Gift, novelty, and souvenir shops [92+]	661
Sewing, needlework, and piece goods stores (5949) [83-91]	661
Sewing, needlework, and piece goods stores [92+]	662
Mail order houses (5961) [83-91]	662
Catalog and mail order houses [92+]	663



not used [83-91]	663-669
not used [92+]	664-669
Vending machine operators (5962)	670
Direct selling establishments (5963)	671
Fuel and ice dealers (598) [83-91]	672
Fuel dealers [92+]	672
not used	673-680
Retail florists (5992)	681
Miscellaneous retail stores (593,5947,5948,5993,5994,5999)	682
not used	683-690
Not specified retail trade	691
not used	692-699
FINANCE, INSURANCE, AND REAL ESTATE	700-712
Banking (60)	700
Savings and loan associations (612) [83-91]	701
Savings institutions, including credit unions [92+]	701
Credit agencies, n.e.c. (61, except 612)	702
not used	703-709
Security, commodity brokerage, and investment companies (62,67)	710
Insurance (63, 64)	711
Real estate, including real estate-insurance-law offices (65,66)[83-91]	712
Real estate, including real estate-insurance offices [92+]	712
not used	713-720
BUSINESS AND REPAIR SERVICES	721-760
Advertising (731)	721
Services to dwellings and other buildings (734)	722
not used	723-729
Commercial research, development, and testing labs (7391, 7397) [83-91]	730
Personnel supply services (736)	731
Business management and consulting services (7392) [83-91]	732
Computer and data processinf services [92+]	732
not used	733-739
Computer and data processing services (737) [83-91]	740
Detective and protective sevices [92+]	740
Detective and protective services (7393) [83-91]	741
Business services, n.e.c [92+]	741
Business services, n.e.c.(732,733,735,7394,7395,7396,7399)[83-91]	742
Automotive rental and leasing, without drivers [92+]	742
not used	743-749
Automotive services, except repair (751, 752, 754) [83-91]	750
Automoblie parking and carwashes [92+]	750

Automotive repair shops (753) [83-91]	751
Automotive repair and related services [92+]	751
Electrical repair shops (762, 7694)	752
not used	753-759
Miscellaneous repair services (763, 764, 7692, 7699)	760
PERSONAL SERVICES	761-791
Private households (88)	761
Hotels and motels (701)	762
not used	763-769
Lodging places, except hotels and motels (702, 703, 704)	770
Laundry, cleaning, and garment services (721)	771
Beauty shops (723)	772
not used	773-779
Barber shops (724)	780
Funeral service and crematories (726)	781
Shoe repair shops (725)	782
not used	783-789
Dressmaking shops (part 729)	790
Miscellaneous personal services (722, part 729)	791
not used	792-799
ENTERTAINMENT AND RECREATION SERVICES	800-802
Theaters and motion pictures (78, 792)	800
Bowling alleys, billiard and pool parlors (793) [83-91]	801
Video tape rental [92+]	801
Bowling centers [92+]	802
Miscellaneous entertainment & recreation services (791, 794, 799) [83-91]	802
Miscellaneous entertainment and recreational services [92+]	810
not used [83-91]	803-811
not used [92+]	803-809, 811
PROFESSIONAL AND RELATED SERVICES	812-892
Offices of physicians (801, 803) [83-91]	812
Offices and clinics of physicians [92+]	812
not used	813-819
Offices of dentists (802) [83-91]	820
Offices and clinics of dentists [92+]	820
Offices of chiropractors (8041) [83-91]	821
Offices and clinics of chiropractors [92+]	821
Offices of optometrists (8042) [83-91]	822
Offices and clinics of optometrists [92+]	822
not used	823-829
Offices of health practitioners, n.e.c. (8049) [83-91]	830

Offices and clinics of health practitioners, n.e.c [92+]	830
Hospitals (806)	831
Nursing and personal care facilities (805)	832
not used	833-839
Health services, n.e.c. (807, 808, 809)	840
Legal services (81)	841
Elementary and secondary schools (821)	842
not used	843-849
Colleges and universities (822)	850
Business, trade, and vocational schools (824) [83-91]	851
Vocational schools [92+]	851
Libraries (823)	852
not used	853-859
Educational services, n.e.c. (829)	860
Job training and vocational rehabilitation services (833)	861
Child day care services (835)	862
Family child care homes [92+]	863
not used [83-91]	863-869
not used [92+]	864-869
Residential care facilities, without nursing (836)	870
Social services, n.e.c. (832, 839)	871
Museums, art galleries, and zoos (84)	872
Labor unions [92+]	873
not used [83-91]	873-879
not used [92+]	874-879
Religious organizations (866)	880
Membership organizations (861-865, 869) [83-91]	881
Membership organizations, n.e.c [92+]	881
Engineering, architectural, and surveying services (891)	882
not used	883-889
Accounting, auditing, and bookkeeping services (893)	890
Noncommercial educational and scientific research (892) [83-91]	891
Research, development, and testing services [92+]	891
Miscellaneous professional and related services (899) [83-91]	892
Management and public relations services [92+]	892
Miscellaneous professional and related services [92+]	893
not used [83-91]	893-899
not used [92+]	894-899
PUBLIC ADMINISTRATION	900-932
Executive and legislative offices (911-913)	900
General government, n.e.c. (919)	901
not used	902-909
Justice, public order, and safety (92)	910

not used	911-920
Public finance, taxation, and monetary policy (93)	921
Administration of human resources programs (94)	922
not used	923-929
Administration of environmental quality & housing programs (95)	930
Administration of economic programs (96)	931
National security and international affairs (97)	932
not used	933-990
Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces	991
Assigned to persons whose labor force status is unemployed and who last worked in 1974 or earlier.	992
not used	993+

\*When shown separately, ANot specified manufacturing@ is at the same level as Nondurable goods@ and ADurable goods.@ When not shown, it is tallied with Durable Goods@.

Table of 2-digit Occupation Codes (NBER assigned)		
Occupation Name	DOCC 1983-	OCC80
		1983-1997
Administrators and Officials, Public Administration	1	1-3
Other Executive ,Administrators ,and Managers	2	7-22
Management Related Occupations	3	23-37
Engineers	4	44-59
Mathematical and Computer Scientists	5	64-68
Natural Scientists	6	69-83
Health Diagnosing Occupations	7	84-89
Health Assessment and Treating Occupations	8	95-106
Teachers, College and University	9	113-154
Teachers , Except College and University	10	155-159
Lawyers and Judges	11	178-179
Other Professional Speciality Occupations	12	43,63,163-177,183-199
Health Technologists and Technicians	13	203-208
Engineering and Science Technicians	14	213-225
Technicians, Except Health Engineering , and Science	15	226-235
Supervisors and Proprietors, Sales Occupations	16	243
Sales Representatives, Finance , and Business Service	17	253-257
Sales Representatives , Commodities , Except Retail	18	258-259
Sales Workers, Retail and Personal Services	19	263-278
Sales Related Occupations	20	283-285
Supervisors-Administrative Support	21	303-307
Computer Equipment Operators	22	308-309
Secretaries, Stenographers , and Typists	23	313-315
Financial Records, Processing Occupations	24	337-344
Mail and Message Distributing	25	354-357
Other Administrative Support Occupations, Including Clerical	26	316-336,345-353, 359-389
Private Household Service Occupations	27	403-407
Protective Service Occupations	28	413-427
Food Service Occupations	29	434-444
Health Service Occupations	30	445-447
Cleaning and Building Service Occupations	31	448-455
Personal Service Occupations	32	456-469
Mechanics and Repairers	33	503-549
Construction Trades	34	553-599
Other Precision Production Occupations	35	613-699
Machine Operators and Tenders, Except Precision	36	703-779
Fabricators. Assemblers and Inspectors, and Samplers	37	783-799
Motor Vehicle Operators	38	803-814
Other Transportation Occupations and Material Moving	39	823-859
Construction Laborer	40	869

Table of 2-digit Occupation Codes(continued) (NBER assigned)

Occupation Name	DOCC	OCC80
		1983-1997
Freight , Stock and Material Handlers	41	875-883
Other Handlers , Equipment Cleaners and Laborers	42	863-868,873,874,885-889
Farm Operators and Managers	43	473-476
Farm Workers and Related Occupations	44	477-489
Forestry and Fishing Occupations	45	494-499
Armed Forces, Currently Civilian	46	905

Appendix C

DOCC70

Detailed (2-digit) Occupation Recode  
(from the 1970 Census)

docc70

Never worked

**Professional, technical, and kindred workers**

Engineers

Physicians, dentists, and related practitioners

Health workers, except practitioners

Teachers, except college

Engineering and science technicians

Other professional -- salaried

Other professional -- self-employed

**Managers and administrator, except farm**

Salaried -- Manufacturing

Salaried -- Other industries

Self-employed -- retail trade

Self-employed -- other industries

**Sales workers**

Retail trade

Other

**Clerical Workers**

Bookkeepers

Office machine operators

Stenographers, typists, and secretaries

Other clerical workers

**Craftsmen and kindred workers**

Carpenters

Other construction craftsmen

Foremen (n.e.c)

Machinists and job setters

Metal craftsmen, except mechanics and job setters

Mechanics -- auto

Mechanics, except auto

All other craftsmen

**Operatives, except transport**

Mine workers

Motor vehicles and equipment

Other durable goods

Nondurable goods

All other

**Transport equipment operatives**

Drivers and deliverymen

All others

**Nonfarm laborers**

Construction

Manufacturing

All other

Private household workers

**Service workers, except private household**

Cleaning service

Food service

Health service

Personal service

Protective service

Farmers and farm managers

**Farm laborers and foremen**

Paid laborers and foremen

Unpaid family laborers

18

19

20

21

Appendix C 3-digit Occupation Code through 1982 for occ70.	
U.S. DEPARTMENT OF COMMERCE	
Bureau of the Census	
March 1971	
1970 CENSUS OF POPULATION	
OCCUPATION CLASSIFICATION	
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS	
1	Accountants
2	Architects
Computer specialists	
3	Computer programmers
4	Computer systems analysts
5	Computer specialists, n.e.c.
Engineers	
6	Aeronautical and astronautical engineers
10	Chemical engineers
11	Civil engineers
12	Electrical and electronic engineers
13	Industrial engineers
14	Mechanical engineers
15	Metallurgical and materials engineers
20	Mining engineers
21	Petroleum engineers
22	Sales engineers
23	Engineers, n.e.c.
24	Farm management advisors
25	Foresters and conservationists
26	Home management advisors
Lawyers and judges	
30	Judges
31	Lawyers
Libraries, archivists, and curators	
32	Librarians
33	Archivists and curators
Mathematical specialists	
34	Actuaries
35	Mathematicians

36	Statisticians
Life and physical scientists	
42	Agricultural scientists
43	Atmospheric and space scientists
44	Biological scientists
45	Chemists
51	Geologists
52	Marine scientists
53	Physicists and astronomers
54	Life and physical scientists, n.e.c.
55	Operations and systems researchers and analysts
56	Personnel and labor relations workers
Physicians, dentists, and related practitioners	
61	Chiropractors
62	Dentists
63	Optometrists
64	Pharmacists
65	Physicians, medical and osteopathic
71	Podiatrists
72	Veterinarians
73	Health practitioners, n.e.c.
Nurses, dietitians, and therapists	
74	Dietitians
75	Registered nurses
76	Therapists
Health technologists and technicians	
80	Clinical laboratory, technologists and technicians
81	Dental hygienists
82	Health record technologists and technicians
83	Radiologic technologists and technicians
84	Therapy assistants
85	Health technologists and technicians, n.e.c.
Religious workers	
86	Clergyman
90	Religious workers, n.e.c.
Social scientists	
91	Economists

92	Political scientists
93	Psychologists
94	Sociologists
95	Urban and regional planners
96	Social scientists, n.e.c.
Social and recreation workers	
100	Social workers
101	Recreation workers
Teachers, college and university	
102	Agriculture teachers
103	Atmospheric, earth, marine, and space teachers
104	Biology teachers
105	Chemistry teachers
110	Physics teachers
111	Engineering teachers
112	Mathematics teachers
113	Health specialties teachers
114	Psychology teachers
115	Business and commerce teachers
116	Economists
120	History teachers
121	Sociology teachers
Teachers, college and university-continued	
122	Social science teachers, n.e.c.
123	Art, drama, and music teachers
124	Coaches and physical education teachers
125	Education teachers
126	English teachers
130	Foreign language teachers
131	Home economics teachers
132	Law teachers
133	Theology teachers
134	Trade, industrial and technical teachers
135	Miscellaneous teachers, college and university
140	Teachers, college and university, subject not specified
Teachers, except college and university	
141	Adult education teachers
142	Elementary school teachers

143	Prekindergarten and kindergarten teachers
144	Secondary school teachers
145	Teachers, except college and university, n.e.c.
Engineering and science technicians	
150	Agriculture and biological technicians, except health
151	Chemical technicians
152	Draftsmen
153	Electrical and electronic engineering technicians
154	Industrial engineering technicians
155	Mechanical engineering technicians
156	Mathematical technicians
161	Surveyors
162	Engineering and science technicians, n.e.c.
Technicians, except health, and engineering and science	
163	Airplane pilots
164	Air traffic controllers
165	Embalmers
170	Flight engineers
171	Radio operators
172	Tool programmers, numerical control
173	Technicians, n.e.c.
174	Vocational and educational counselors
Writers, artists, and entertainers	
175	Actors
180	Athletes and kindred workers
181	Authors
182	Dancers
183	Designers
184	Editors and reporters
185	Musicians and composers
190	Painters and sculptors
191	Photographers
192	Public relations men and publicity writers
193	Radio and television announcers
194	Writers, artists, and entertainers, n.e.c.
195	Research workers, not specified



196	Professional, technical, and kindred workers --allocated
MANAGERS AND ADMINISTRATORS, EXCEPT FARM	
201	Assessors, controllers, and treasurers;
local public administration	
202	Bank officers and financial managers
203	Buyers and shippers, farm products
205	Buyers, wholesale and retail trade
210	Credit men
211	Funeral directors
212	Health administrators
213	Construction inspectors, public administration
215	Inspectors, except construction; public administration
216	Managers and superintendents, building
220	Office managers, n.e.c.
221	Officers, pilots, and pursers; ship
222	Officials and administrators; public administration, n.e.c.
223	Officials of lodges, societies, and unions
224	Postmasters and mail superintendents
225	Purchasing agents and buyers, n.e.c.
226	Railroad conductors
230	Restaurant, cafeteria, and bar managers
231	Sales managers and department heads, retail trade
233	Sales managers. except retail trade
235	School administrators, college
240	School administrators, elementary and secondary
245	Managers and administrators. n.e.c.
246	Managers and administrators, except farm-- allocated
SALES WORKERS	
260	Advertising agents and salesmen
261	Auctioneers
262	Demonstrators
264	Hucksters and peddlers
265	Insurance agents, brokers, and underwriters

266	Newsboys
270	Real estate agents and brokers
271	Stock and bond salesmen
280	Salesmen and sales clerks. n.e.c.
281	Sales representatives, manufacturing industries
282	Sales representatives, wholesale trade
283	Sales clerks, retail trade
284	Salesmen, retail trade
285	Salesmen of services and construction
296	Sales workers--allocated
CLERICAL AND KINDRED WORKERS	
301	Bank tellers
303	Billing clerks
305	Bookkeepers
310	Cashiers
311	Clerical assistants, social welfare
312	Clerical supervisors, n.e.c.
313	Collectors, bill and account
314	Counter clerks, except food
315	Dispatchers and starters, vehicle
320	Enumerators and interviewers
321	Estimators and investigators, n.e.c.
323	Expeditors and production controllers
325	File clerks
326	Insurance adjusters, examiners, and investigators
330	Library attendants and assistants
331	Mail carriers, post office
332	Mail handlers, except post office
333	Messengers and office boys
334	Meter readers, utilities
Office machine operators	
341	Bookkeeping and billing machine operators
342	Calculating machine operators
343	Computer and peripheral equipment operators
344	Duplicating machine operators
345	Key punch operators
350	Tabulating machine operators

355	Office machine operators, n.e.c.
360	Payroll and timekeeping clerks
361	Postal clerks
362	Proofreaders
363	Real estate appraisers
364	Receptionists
Secretaries	
370	Secretaries, legal
371	Secretaries, medical
372	Secretaries, n.e.c.
374	Shipping and receiving clerks
375	Statistical clerks
376	Stenographers
381	Stock clerks and storekeepers
382	Teacher aides, exc. school monitors
383	Telegraph messengers
384	Telegraph operators
385	Telephone operators
390	Ticket, station, and express agents
391	Typists
392	Weighers
394	Miscellaneous clerical workers
395	Not specified clerical workers
396	Clerical and kindred workers -- allocated
CRAFTSMEN AND KINDRED WORKERS	
401	Automobile accessories installers
402	Bakers
403	Blacksmiths
404	Boilermakers
405	Bookbinders
410	Brickmasons and stonemasons
411	Brickmasons and stonemasons, apprentices
412	Bulldozer operators
413	Cabinetmakers
415	Carpenters
416	Carpenter apprentices
420	Carpet installers
421	Cement and concrete finishers
422	Compositors and typesetters
423	Printing trades apprentices exc. pressmen

424	Cranemen, derrickmen, and hoistmen
425	Decorators and window dressers
426	Dental laboratory technicians
430	Electricians
431	Electrician apprentices
433	Electric power linemen and cablemen
434	Electrotypers and stereotypers
435	Engravers, exc. photoengravers
436	Excavating, grading, and road machine operators; exc. bulldozer
440	Floor layers; exc. tile setters
441	Foremen, n.e.c.
442	Forgemen and hammermen
443	Furniture and wood finishers
444	Furriers
445	Glaziers
446	Heat treaters; annealers, and temperers
450	Inspectors; scalers# and graders; log and lumber
452	Inspectors, n.e.c.
453	Jewelers and watchmakers
454	Job and die setters, metal
455	Locomotive engineers
456	Locomotive firemen
461	Machinists
462	Machinist apprentices
Mechanics and repairmen	
470	Air conditioning, heating, and refrigeration
471	Aircraft
472	Automobile body repairmen
473	Automobile mechanics
474	Automobile mechanic apprentices
475	Data processing machine repairmen
480	Farm implement
481	Heavy equipment mechanics, incl. diesel
482	Household appliance and accessory installers and mechanics
483	Loom fixers
484	Office machine
485	Radio and television
486	Railroad and car shop

491	Mechanic, exc. auto., apprentices
492	Miscellaneous mechanics and repairmen
495	Not specified mechanics and repairmen
501	Millers; grain, flour, and feed
502	Millwrights
503	Molders, metal
504	Molder apprentices
505	Motion picture projectionists
506	Opticians, and lens grinders and polishers
510	Painters, construction and maintenance
511	Painter apprentices
512	Paperhangers
514	Pattern and model makers, exc. paper
515	Photoengravers and lithographers
516	Piano and organ tuners and repairmen
520	Plasterers
521	Plasterer apprentices
522	Plumbers and pipe fitters
523	Plumber and pipe fitter apprentices
525	Power station operators
530	Pressmen and plate printers, printing
531	Pressman apprentices
533	Rollers and finishers, metal
534	Roofers and slaters
535	Sheetmetal workers and tinsmiths
536	Sheetmetal apprentices
540	Shipfitters
542	Shoe repairmen
543	Sign painters and letterers
545	Stationary engineers
546	Stone cutters and stone carvers
550	Structural metal craftsmen
551	Tailors
552	Telephone installers and repairmen
554	Telephone linemen and splicers
560	Tile setters
561	Tool and die makers

562	Tool and die maker apprentices
563	Upholsterers
571	Specified craft apprentices, n.e.c.
572	Not specified apprentices
575	Craftsmen and kindred workers, n.e.c.
580	Former members of the Armed Forces
586	Craftsmen and kindred workers--allocated
OPERATIVES, EXCEPT TRANSPORT	
601	Asbestos and insulation workers
602	Assemblers
603	Blasters and powdermen
604	Bottling and canning operatives
610	Checkers, examiners, and inspectors, manufacturing
611	Clothing ironers and pressers
612	Cutting operatives, n.e.c.
613	Dressmakers and seamstresses, except factory
614	Drillers, earth
615	Dry wall installers and lathers
620	Dyers
621	Filers, polishers, sanders, and buffers
622	Furnacemen, smeltermen, and pourers
623	Garage workers and gas station attendants
624	Graders and sorters, manufacturing
625	Produce graders and packers, except factory and farm
626	Heaters, metal
630	Laundry and dry cleaning operatives, n.e.c.
631	Meat cutters and butchers, exc. manufacturing
633	Meat cutters and butchers, manufacturing
634	Meat wrappers, retail trade
635	Metal platers
636	Milliners
640	Mine operatives, n.e.c.
641	Mixing operatives
642	Oilers and greasers, exc. auto
643	Packers and wrappers, except meat

	and produce
644	Painters, manufactured articles
645	Photographic process workers
Precision machine operatives	
650	Drill press operatives
651	Grinding machine operatives
652	Lathe and milling machine operatives
653	Precision machine operatives, n.e.c.
656	Punch and stamping press operatives
660	Riveters and fasteners
661	Sailors and deckhands
662	Sawyers
663	Sewers and stitchers
664	Shoemaking machine operatives
666	Stationary firemen
Textile operatives	
670	Carding, lapping; and combing operatives
671	Knitters, loopers, and toppers
672	Spinners, twistors, and winders
673	Weavers
674	Textile operatives, n.e.c.
680	Welders and flame-cutters
681	Winding operatives, n.e.c.
690	Machine operatives, miscellaneous specified
692	Machine operatives, not specified
694	Miscellaneous operatives
695	Not specified operatives
696	Operatives, except transport--allocated
TRANSPORT OPERATIVES	
701	Boatmen and canalmen
703	Busdrivers
704	Conductors and motormen, urban rail transit
705	Deliverymen and routemen
706	Fork lift and tow motor operatives
710	Motormen; mine, factory, logging camp, etc.
711	Parking attendants
712	Railroad brakemen

713	Railroad switchmen
714	Taxicab drivers and chauffeurs
715	Truck drivers
726	Transport equipment operatives--allocated
LABORERS, EXCEPT FARM	
740	Animal caretakers, exc. farm
750	Carpenters' helpers
751	Construction laborers, exc. carpenters' helpers
752	Fishermen and oystermen
753	Freight and material handlers
754	Garbage collectors
755	Gardeners and groundskeepers, exc. farm
760	Longshoremen and stevedores
761	Lumbermen, raftsmen, and woodchoppers
762	Stockhandlers
763	Teamsters
764	Vehicle washers and equipment cleaners
770	Warehousemen, n.e.c.
780	Miscellaneous laborers
785	Not specified laborers
796	Laborers, except farm--allocated
FARMERS AND FARM MANAGERS	
801	Farmers (owners and tenants)
802	Farm managers
806	Farmers and farm managers--allocated
FARM LABORERS AND FARM FOREMEN	
821	Farm foremen
822	Farm laborers, wage workers
823	Farm laborers, unpaid family workers
824	Farm service laborers, self-employed
846	Farm laborers and farm foremen--allocated
SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD	
Cleaning service workers	
901	Chambermaids and maids, except private household
902	Cleaners and charwomen
903	Janitors and sextons
Food service workers	

910	Bartenders
911	Busboys
912	Cooks, except private household
913	Dishwashers
914	Food counter and fountain workers
915	Waiters
916	Food service workers, n.e.c., except private household
Health service workers	
921	Dental assistants
922	Health aides, exc. nursing
923	Health trainees
924	Lay midwives
925	Nursing aides, orderlies, and attendants
926	Practical nurses
Personal service workers	
931	Airline stewardesses
932	Attendants, recreation and amusement
933	Attendants, personal service, n.e.c.
934	Baggage porters and bellhops
935	Barbers
940	Boarding and lodginghouse keepers
941	Bootblacks
942	Child care workers, exc. private household
943	Elevator operators
944	Hairdressers and cosmetologists
945	Personal service apprentices
950	Housekeepers, exc. private household
Personal service workers-Continued	
952	School monitors

953	Ushers, recreation and amusement
954	Welfare service aides
Protective service workers	
960	Crossing guards and bridge tenders
961	Firemen, fire protection
962	Guards and watchmen
963	Marshals and constables
964	Policemen and detectives
965	Sheriffs and bailiffs
976	Service workers, exc. private household--allocated
PRIVATE HOUSEHOLD WORKERS	
980	Child care workers, private household
981	Cooks, private household
982	Housekeepers, private household
983	Laundresses, private household
984	Maid and servants, private household
986	Private household workers--allocated
WORKERS NOT CLASSIFIABLE BY OCCUPATION	
991	Unemployed persons, last worked 1959 or earlier *
995	Occupation not reported **
* Found in experienced civilian labor force universe only.	
** Used for Occupation 5-years ago item only.	
End 3-digit OCC70	

Appendix D 3-digit Occupation code for 1983 on - ind80.	
CURRENT OCCUPATION	
N.5 Coding for 1983-1992 occ and occlyr	
1980 Census of Population -Occupation Classification	
(Numbers in parenthese are the 1980 SOC code equivalent; "Pt" means part; "n.e.c" means not elsewhere classified.)	
Census Code	
not used	0-2
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	3-199
Executive, Administrative, and Managerial Occupations	3-37
Legislators (111)	3
Chief executives & general administrators, public administration (112)	4
Administrators and officials, public administration (1132-1139)	5
Administrators, protective services (1131)	6
Financial managers (122)	7
Personnel and labor relations managers (123)	8
Purchasing managers (124)	9
not used	10-12
Managers, marketing, advertising; and public relations (125)	13
Administrators, education and related fields (128)	14
Managers, medicine and health (131)	15
Managers, properties and real estate (1353) [83-92]	16

Postmasters and mail superintendents [92+]	16
Postmasters and mail superintendents (1344) [83-92]	17
Managers, food serving and lodging establishments [92+]	17
Funeral directors (pt 1359) [83-92]	18
Managers, properties and real estate [92+]	18
Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359) [83-92]	19
Funeral Directors [92+]	19
Managers, service organizations, n.e.c [92+]	21
Managers and administrators, n.e.c. [92+]	22
not used [83-92]	20-22
not used [92+]	20
Management Related Occupations	23-37
Accountants and auditors (1412)	23
Underwriters (1414)	24
Other financial officers (1415, 1419)	25
Management analysts (142)	26
Personnel, training, and labor relations specialists (143)	27
Purchasing agents and buyers, farm products (1443)	28
Buyers, wholesale and retail trade except farm products (1442)	29
not used	30-32
Purchasing agents and buyers, n.e.c. (1449)	33
Business and promotion agents (145)	34
Construction inspectors (1472)	35
Inspectors and compliance officers, exc. construction (1473)	36
Management related occupations, n.e.c. (149)	37
not used	38-42
Professional Specialty	43-199

Occupations	
Engineers, Architects, and Surveyors	43-63
Architects (161)	43
Engineers	44-59
Aerospace (1622)	44
Metallurgical and materials (1623)	45
Mining (1624)	46
Petroleum (1625)	47
Chemical (1626)	48
Nuclear (1627)	49
not used	50-52
Civil (1628)	53
Agricultural (1632)	54
Electrical and electronic (1633, 1636)	55
Industrial (1634)	56
Mechanical (1635)	57
Marine and naval architects (1637)	58
Engineers, n.e.c. (1639)	59
not used	60-62
Surveyors and mapping scientists (164)	63
Mathematical and Computer Scientists	64-68
Computer systems analysts and scientists (171)	64
Operations and systems researchers and analysts (172)	65
Actuaries (1732)	66
Statisticians (1733)	67
Mathematical scientists, n.e.c. (1739)	68
Natural Scientists	69-83
Physicists and astronomers (1842, 1843)	69
not used	70-72
Chemists, except biochemists (1845)	73
Atmospheric and space scientists (1846)	74
Geologists and geodesists(1847)	75
Physical scientists, n.e.c.	76

(1849)	
Agricultural and food scientists (1853)	77
Biological and life scientists (1854)	78
Forestry and conservation scientists (1852)	79
not used	80-82
Medical scientists (1855)	83
Health Diagnosing Occupations	84-89
Physicians (261)	84
Dentists (262)	85
Veterinarians (27)	86
Optometrists (281)	87
Podiatrists (283)	88
Health diagnosing practitioners, n.e.c. (289)	89
not used	90-94
Health Assessment and Treating Occupations	95-106
Registered nurses (29)	95
Pharmacists (301)	96
Dietitians (302)	97
Therapists	98-105
Inhalation therapists (3031) [83-92]	98
Respiratory therapists [92+]	98
Occupational therapists (3032)	99
not used	100-102
Physical therapists (3033)	103
Speech therapists (3034)	104
Therapists, n.e.c. (3039)	105
Physicians' assistants (304)	106
not used	107-112
Teachers, Postsecondary	113-154
Earth, environmental, and marine science teachers (2212)	113
Biological science teachers (2213)	114
Chemistry teachers (2214)	115
Physics teachers (2215)	116
Natural science teachers, n.e.c. (2216)	117
Psychology teachers (2217)	118
Economics teachers (2218)	119

not used	120-122
History teachers (2222)	123
Political science teachers (2223)	124
Sociology teachers (2224)	125
Social science teachers, n.e.c. (2225)	126
Engineering teachers (2226)	127
Mathematical science teachers (2227)	128
Computer science teachers (2228)	129
not used	130-132
Medical science teachers (2231)	133
Health specialties teachers (2232)	134
Business, commerce, and marketing teachers (2233)	135
Agriculture and forestry teachers (2234)	136
Art, drama, and music teachers (2235)	137
Physical education teachers (2236)	138
Education teachers (2237)	139
not used	140-142
English teachers (2238)	143
Foreign language teachers (2242)	144
Law teachers (2243)	145
Social work teachers (2244)	146
Theology teachers (2245)	147
Trade and industrial teachers (2246)	148
Home economics teachers (2247)	149
not used	150-152
Teachers, postsecondary, n.e.c. (2249)	153
Postsecondary teachers, subject not specified	154
Teachers, Except Postsecondary	155-159
Teachers, prekindergarten and kindergarten (231)	155
Teachers, elementary school (232)	156
Teachers,, secondary school (233)	157
Teachers, special education	158

(235)	
Teachers, n.e.c. (236, 239)	159
not used	160-162
Counselors, educational and vocational (24)	163
Librarians, Archivists, and Curators	164-165
Librarians (251)	164
Archivists and curators (252)	165
Social Scientists and Urban Planners	166-173
Economists (1912)	166
Psychologists (1915)	167
Sociologists (1916)	168
Social scientists, n.e.c. (1913, 1914, 1919)	169
not used	170-172
Urban planners (192)	173
Social, Recreation, and Religious Workers	174-177
Social workers (2032)	174
Recreation workers (2033)	175
Clergy (2042)	176
Religious workers, n.e.c. (2049)	177
Lawyers and Judges	178-179
Lawyers (211)	178
Judges (212)	179
not used	180-182
Writers, Artists, Entertainers, and Athletes	183-199
Authors (321)	183
Technical writers (398)	184
Designers (322)	185
Musicians and composers (323)	186
Actors and directors (324)	187
Painters,sculptors,craft-artists , & artist print-makers (325)	188
Photographers (326)	189
not used	190-192
Dancers (327)	193
Artists, performers, and related workers, n.e.c. (328, 329)	194
Editors and reporters (331)	195
not used	196



Public relations specialists (332)	197
Announcers (333)	198
Athletes (34)	199
not used	200-202
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	203-389
Technicians and Related Support Occupations	203-235
Health Technologists and Technicians	203-208
Clinical laboratory technologists and technicians (362)	203
Dental hygienists (363)	204
Health record technologists and technicians (364)	205
Radiology technicians (365)	206
Licensed practical nurses (366)	207
Health Technologists and technicians, n.e.c. (369)	208
not used	209-212
Technologists and Technicians, Except Health	213-235
Engineering and Related Technologists and Technicians	213-218
Electrical and electronic technicians (3711)	213
Industrial engineering technicians (3712)	214
Mechanical engineering technicians (3713)	215
Engineering technicians, n.e.c. (3719)	216
Drafting occupations(372)	217
Surveying and mapping technicians (373)	218
not used	219-222
Science Technicians	223-225
Biological technicians (382)	223
Chemical technicians (3831)	224
Science technicians, n.e.c. (3832, 3833, 384, 389)	225
Technicians; Except Health, Engineering, and Science	226-235

Airplane pilots and navigators (825)	226
Air traffic controllers (392)	227
Broadcast equipment operators (393)	228
Computer programmers (3971, 3972)	229
not used	230-232
Tool programmers, numerical control (3974)	233
Legal assistants (396)	234
Technicians, n.e.c. (399)	235
not used	236-242
Sales Occupations	243-285
Supervisors and proprietors, sales occupations (40)	243
not used	244-252
Sales Representatives, Finance and Business Services	253-257
Insurance sales occupations (4122)	253
Real estate sales occupations (4123)	254
Securities & financial services sales occupations (4124)	255
Advertising and related sales occupations (4153)	256
Sales occupations, other business services (4152)	257
Sales Representatives, Commodities Except Retail	258-259
Sales engineers (421)	258
Sales representatives, mining, manufacturing, & wholesale (423, 424)	259
not used	260-262
Sales Workers, Retail and Personal Services	263-278
Sales workers, motor vehicles and boats (4342, 4344)	263
Sales workers, apparel (4346)	264
Sales workers, shoes (4351)	265
Sales workers, furniture and home furnishings (4348)	266
Sales workers; radio, TV, hi-fi, & appliances (4343,4352)	267

Sales workers, hardware and building supplies (4353)	268
Sales workers, parts (4367)	269
not used	270-273
Sales workers, other commodities (4345, 4347, 4354, 4356,4359, 4362, 4369)	274
Sales counter clerks (4363)	275
Cashiers (4364)	276
Street and door-to-door sales workers (4366)	277
News vendors (4365)	278
not used	279-282
Sales Related Occupations	283-285
Demonstrators, promoters and models, sales (445)	283
Auctioneers (447)	284
Sales support occupations, n.e.c. (444, 446, 449)	285
not used	286-302
Administrative Support Occupations, Including Clerical	303-389
Supervisors, Administrative Support Occupations	303-307
Supervisors, general office (4511,4513,4514,4516,4519,4529)	303
Supervisors, computer equipment operators (4512)	304
Supervisors, financial records processing (4521)	305
Chief communications operators (4523)	306
Supervisors; distribution, scheduling, and adjusting clerks (4522, 524-4528)	307
Computer Equipment Operators	308-309
Computer operators (4612)	308
Peripheral equipment operators (4613)	309
not used	310-312
Secretaries, Stenographers and Typists	313-315
Secretaries (4622)	313
Stenographers (4623)	314
Typists (4624)	315
Information Clerks	316-323

Interviewers (4642)	316
Hotel clerks (4643)	317
Transportation ticket and reservation agents (4644)	318
Receptionists (4645)	319
not used	320-322
Information clerks, n.e.c. (4649)	323
not used	324
Records Processing Occupations, Except Financial	325-336
Classified-ad clerks (4662)	325
Correspondence clerks (4663)	326
Order clerks (4664)	327
Personnel clerks, except payroll and timekeeping (4692)	328
Library clerks (4694)	329
not used	330-334
File clerks (4696)	335
Records clerks (4699)	336
Financial Records Processing Occupations	337-344
Bookkeepers, accounting, and auditing clerks (4712)	337
Payroll and timekeeping clerks (4713)	338
Billing clerks (4715)	339
not used	340-342
Cost and rate clerks (4716)	343
Billing, posting, and calculating machine operators (4718)	344
Duplicating, Mail and Other Office Machine Operators	345-347
Duplicating machine operators (4722)	345
Mail preparing and paper handling machine operators (4723)	346
office machine operators, n.e.c. (4729)	347
Communications Equipment Operators	348-353
Telephone operators (4732)	348
Telegraphers (4733) [83-92]	349
not used	350-352

Communications equipment operators, n.e.c. (4739) [83-92]	353
Communications equipment operators, n.e.c [92+]	353
Mail and Message Distributing Occupations	354-357
Postal clerks, exc. mail carriers (4742)	354
Mail carriers, postal service (4743)	355
Mail clerks, exc. postal service (4744)	356
Messengers (4745)	357
not used	358
Material Recording, Scheduling, and Distributing Clerks, n.e.c.	359-374
Dispatchers (4751)	359
not used	360-362
Production coordinators (4752)	363
Traffic, shipping, and receiving clerks (4753)	364
Stock and inventory clerks (4754)	365
Meter readers (4755)	366
not used	367
Weighers, measurers, and checkers (4756) [83-92]	368
Weighers, measurers, checkers, and samplers [92+]	368
Samplers (4757) [83-92]	369
not used	370-372
Expeditors (4758)	373
Material recording, scheduling, & distributing clerks, n.e.c.(4759)	374
Adjusters and Investigators	375-378
Insurance adjusters, examiners, and investigators (4782)	375
Investigators and adjusters, except insurance (4783)	376
Eligibility clerks, social welfare (4784)	377
Bill and account collectors (4786)	378
Miscellaneous Administrative Support Occupations	379-389

General office clerks (463)	379
not used	380-382
Bank tellers (4791)	383
Proofreaders (4792)	384
Data-entry keyers (4793)	385
Statistical clerks (4794)	386
Teachers aides (4795)	387
not used	388
Administrative support occupations, n.e.c. (4787, 4799)	389
ot used	390-402
SERVICE OCCUPATIONS	403-469
Private Household Occupations	403-407
Launderers and ironers (503)	403
Cooks, private household (504)	404
Housekeepers and butlers (505)	405
Child care workers, private household (506)	406
Private household cleaners and servants (502, 507, 509)	407
not used	408-412
Protective Service Occupations	413-427
Supervisors, Protective Service Occupations	413-415
Supervisors, firefighting & fire prevention occupations (5111)	413
Supervisors, police and detectives (5112)	414
Supervisors, guards (5113)	415
Firefighting and Fire Prevention Occupations	416-417
Fire inspection and fire prevention occupations (5122)	416
Firefighting occupations (5123)	417
Police and Detectives	418-424
Police and detectives, public service (5132)	418
not used	419-422
Sheriffs, bailiffs, and other law enforcement officers (5134)	423
Correctional institution officers (5133)	424
Guards	425-427
Crossing guards (5142)	425
Guards and police, exc. public	426

service (5144)	
Protective service occupations, n.e.c. (5149)	427
not used	428-432
Service Occupations, Except Protective and Household	433-469
Food Preparation and Service Occupations	433-444
Supervisors, food preparation and service occupations (5211)	433
Bartenders (5212)	434
Waiters and waitresses (5213)	435
Cooks, except short order (5214) [83-92]	436
Cooks [92+]	436
Short-order cooks (5215) [83-92]	437
Food counter, fountain and related occupations (5216)	438
Kitchen workers, food preparation (5217)	439
not used	440-442
Waiters'/waitresses' assistants (5218)	443
Miscellaneous food preparation occupations (5219)	444
Health Service Occupations	445-447
Dental assistants (5232)	445
Health aides, except nursing (5233)	446
Nursing aides, orderlies, and attendants (5236)	447
Cleaning and Building Service Occupations, except Household	448-455
Supervisors, cleaning and building service workers (5241)	448
Maids and housemen (5242,5249)	449
not used	450-452
Janitors and cleaners (5244)	453
Elevator operators (5245)	454
Pest control occupations (5246)	455
Personal Service Occupations	456-469
Supervisors, personal service occupations (5251)	456
Barbers (5252)	457
Hairdressers and cosmetologists (5253)	458

Attendants, amusement and recreation facilities (5254)	459
Guides [92+]	461
Ushers [92+]	462
not used [92+]	460
not used [83-92]	460-462
Guides (5255) [83-92]	463
Public transportation attendants [92+]	463
Ushers (5256) [83-92]	464
Baggage porters and bellhops [92+]	464
Public transportation attendants (5257) [83-92]	465
Welfare service aides [92+]	465
Baggage porters and bellhops (5262) [83-92]	466
Family child care providers [92+]	466
Welfare service aides (5263) [83-92]	467
Early childhood teacher's assistants [92+]	467
Child care workers, except private household (5264) [83-92]	468
Child care workers, n.e.c [92+]	468
Personal service occupations, n.e.c. (5258, 5269)	469
ot used	470-472
ARMING, FORESTRY, AND FISHING OCCUPATIONS	473-499
Farm Operators and Managers	473-476
Farmers, except horticultural (5512-5514)	473
Horticultural specialty farmers (5515)	474
Managers, farms, except horticultural (5522-5524)	475
Managers, horticultural specialty farms (5525)	476
Other Agricultural and Related Occupations	477-489
Farm Occupations, Except Managerial	477-484
Supervisors, farm workers (5611)	477
not used	478

Farm workers (5612-5617)	479
not used	480-482
Marine life cultivation workers (5618)	483
Nursery workers (5619)	484
Related Agricultural Occupations	485-489
Supervisors, related agricultural occupations (5621)	485
Groundskeepers and gardeners, except farm (5622)	486
Animal caretakers, except farm (5624)	487
Graders and sorters, agricultural products (5625)	488
Inspectors, agricultural products (5627)	489
not used	490-493
Forestry and Logging Occupations	494-496
Supervisors, forestry and logging workers (571)	494
Forestry workers, except logging (572)	495
Timber cutting and logging occupations (573, 579)	496
Fishers, Hunters, and Trappers	497-499
Captains and other officers, fishing vessels (pt 8241)	497
Fishers (583)	498
Hunters and trappers (584)	499
ot used	500-502
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	503-699
Mechanics and Repairers	503-549
Supervisors, mechanics and repairers (60)	503
not used	504
Mechanics and Repairers, Except Supervisors	505-549
Vehicle and Mobile Equipment Mechanics and Repairers	505-517
Automobile mechanics (pt 6111)	505
Automobile mechanic apprentices (pt 6111)	506
Bus, truck, and stationary engine mechanics (6112)	507
Aircraft engine mechanics (6113)	508

Small engine repairers (6114)	509
not used	510-513
Automobile body and related repairers (6115)	514
Aircraft mechanics, exc. engine (6116)	515
Heavy equipment mechanics (6117)	516
Farm equipment mechanics (6118)	517
Industrial machinery repairers (613)	518
Machinery maintenance occupations (614)	519
not used	520-522
Electrical and Electronic Equipment Repairers	523-533
Electronic repairers, communications & industrial equipment(6151, 6153, 155)	523
not used	524
Data processing equipment repairers (6154)	525
Household appliance and power tool repairers (6156)	526
Telephone line installers and repairers (6157)	527
not used	528
Telephone installers and repairers (6158)	529
not used	530-532
Miscellaneous electrical and electronic equipment repairers (6152, 6159)	533
Heating, air conditioning, and refrigeration mechanics (616)	534
Miscellaneous Mechanics and Repairers	535-549
Camera, watch, & musical instrument repairers (6171, 6172)	535
Locksmiths and safe repairers (6173)	536
not used	537
Office machine repairers (6174)	538
Mechanical controls and valve repairers (6175)	539
not used	540-542
Elevator installers and	543

repairers (6176)	
Millwrights (6178)	544
not used	545-546
Specified mechanics and repairers, n.e.c. (6177, 6179)	547
not used	548
Not specified mechanics and repairers	549
not used	550-552
Construction Trades	553-599
Supervisors, construction occupations	553-558
Supervisors; brickmasons, stonemasons, and tile setters (6312)	553
Supervisors, carpenters and related workers (6313)	554
Supervisors, electricians & power transmission installers (6134)	555
-6134	
Supervisors; painters, paperhangers, and plasterers (6315)	556
Supervisors; plumbers, pipefitters, and steamfitters (6316)	557
Supervisors, n.e.c. (6311, 6318)	558
not used	559-562
Construction Trades, Except Supervisors	563-599
Brickmasons and stonemasons (pt 6412, pt 6413)	563
Brickmason and stonemason apprentices (pt 6412, pt 6413)	564
Tile setters, hard and soft (6414, pt 6462)	565
Carpet installers (pt 6462)	566
Carpenters (pt 6422)	567
not used	568
Carpenter apprentices (pt 6422)	569
not used	570-572
Drywall installers (6424)	573
not used	574
Electricians (pt 6432)	575
Electrician apprentices (pt	576

6432)	
Electrical power installers and repairers (6433)	577
not used	578
Painters, construction and maintenance (6442)	579
not used	580-582
Paperhangers (6443)	583
Plasterers (6444)	584
Plumbers, pipefitters, and steamfitters (pt 645)	585
not used	586
Plumber, pipefitter, and steamfitter apprentices (pt 645)	587
Concrete and terrazzo finishers (6463)	588
Glaziers (6464)	589
not used	590-592
Insulation workers (6465)	593
Paving, surfacing, and tamping equipment operators (6466)	594
Roofers (6468)	595
Sheetmetal duct installers (6472)	596
Structural metal workers (6473)	597
Drillers, earth (6474)	598
Construction trades, n.e.c. (6467, 6475, 6476, 6479)	599
not used	600-612
Extractive Occupations	613-617
Supervisors, extractive occupations (632)	613
Drillers, oil well (652)	614
Explosives workers (653)	615
Mining machine operators (654)	616
Mining occupations, n.e.c. (656)	617
not used [83-92]	618-632
not used [92+]	618-627
Precision Production Occupations [83-92]	633-699
Precision Production Occupations [92+]	628, 633-699
Supervisors, production occupations [92+]	628

Supervisors, production occupations (67, 71) [83-92]	633
Precision Metal Working Occupations	634-655
Tool and die makers (pt 6811)	634
Tool and die maker apprentices (pt 6811)	635
Precision assemblers, metal (6812)	636
Machinists (pt 6813)	637
not used	638
Machinist apprentices (pt 6813)	639
not used	640-642
Boilermakers (6814)	643
Precision grinders, filers, and tool sharpeners (6816)	644
Patternmakers and model makers, metal (6817)	645
Lay-out workers (6821)	646
Precious stones and metals workers (jewelers) (6822, 6866)	647
not used	648
Engravers, metal (6823)	649
not used	650-652
Sheet metal workers (pt 6824)	653
Sheet metal worker apprentices (pt 6824)	654
Miscellaneous precision metal workers (6829)	655
Precision Woodworking Occupations	656-659
Patternmakers and model makers, wood (6831)	656
Cabinet makers and bench carpenters (6832)	657
Furniture and wood finishers (6835)	658
Miscellaneous precision woodworkers (6839)	659
not used	660-665
Precision Textile, Apparel and Furnishings Machine Workers	666-674
Dressmakers (pt 6852, pt 7752)	666
Tailors (pt 6852)	667
Upholsterers (6853)	668
Shoe repairers (6854)	669

not used	670-672
Apparel and fabric patternmakers (6856) [83-92]	673
Miscellaneous precision apparel & fabric workers(6859, pt 7752 )	674
Precision Workers, Assorted Materials	675-684
Hand molders and shapers, except jewelers (6861)	675
Patternmakers, lay-out workers, and cutters (6862)	676
Optical goods workers (6864, pt 7477, pt 7677)	677
Dental laboratory and medical appliance technicians (6865)	678
Bookbinders (6844)	679
not used	680-682
Electrical and electronic equipment assemblers (6867)	683
Miscellaneous precision workers, n.e.c. (6869)	684
not used	685
Precision Food Production Occupations	686-688
Butchers and meat cutters (6871)	686
Bakers (6872)	687
Food batchmakers (6873, 6879)	688
Precision Inspectors, Testers, and Related Workers	689-693
Inspectors, testers, and graders (6881, 828)	689
not used	690-692
Adjusters and calibrators (6882)	693
Plant and System Operators	694-699
Water and sewage treatment plant operators (691)	694
Power plant operators (pt 693)	695
Stationary engineers (pt 693, 7668)	696
not used	697-698
Miscellaneous plant and system operators (692, 694, 695, 696)	699
not used	700-702
OPERATORS, FABRICATORS, AND LABORERS	703-889
Machine Operators, Assemblers,	703-799

and Inspectors	
Machine operators and Tenders, except Precision	703-779
Metalworking and Plastic Working Machine Operators	703-715
Lathe and turning machine set-up operators (7312)	703
Lathe and turning machine operators (7512)	704
Milling and planing machine operators (7313, 7513)	705
Punching and stamping press machine operators (7314, 7317, 7514, 7517)	706
Rolling machine operators (7316, 7516)	707
Drilling and boring machine operators (7313, 7518)	708
Grinding, abrading, buffing, & polishing machine operators (7322, 7324, 522)	709
not used	710-712
Forging machine operators (7319, 7519)	713
Numerical control machine operators (7326)	714
Miscellaneous metal, plastic, stone, & glass working machine operators (7329, 7529 )	715
not used	716
Fabricating machine operators, n.e.c. (7339, 7539)	717
not used	718
Metal and Plastic Processing Machine Operators	719-725
Molding and casting machine operators (7315,7342,7515,7542)	719
not used	720-722
Metal plating machine operators (7343, 7543)	723
Heat treating equipment operators (7344, 7544)	724
Miscellaneous metal & plastic processing machine operators (7349, 7549)	725
Woodworking Machine Operators	726-733
Wood lathe, routing, & planing	726

machine operators(7431, 7432, 7631, 7632)	
Sawing machine operators (7433, 7633)	727
Shaping and joining machine operators (7435, 7635)	728
Nail and tacking machine operators (7636)	729
not used	730-732
Miscellaneous woodworking machine operators(7434, 7439, 7634, 7639)	733
Printing Machine Operators	734-737
Printing machine operators (7443, 7643) [83-92]	734
Printing press operators [92+]	734
Photoengravers and lithographers (6842, 7444, 7644)	735
Typesetters and compositors (6841,7642)	736
Miscellaneous printing machine operators (6849, 7449, 7649)	737
Textile, Apparel, and Furnishings Machine Operators	738-749
Winding and twisting machine operators (7451, 7651)	738
Knitting, looping, taping, & weaving machine operators (7452,7652)	739
not used	740-742
Textile cutting machine operators (7654)	743
Textile sewing machine operators (7655)	744
Shoe machine operators (7656)	745
not used	746
Pressing machine operators (7657)	747
Laundering and dry cleaning machine operators (6855, 7658)	748
Miscellaneous textile machine operators (7459, 7659)	749
not used	750-752
Machine Operators	753-779
Cementing and gluing machine operators (7661)	753
Packaging and filling operators	754



(7462, 7662)	
Extruding and forming machine operators (7463, 7663)	755
Mixing and blending machine operators (7664)	756
Separating, filtering, and clarifying machine operators (7476, 7666, 7676 )	757
Compressing and compacting machine operators (7467, 7667)	758
Painting and paint spraying machine operators (7669)	759
not used	760-762
Roasting and baking machine operators, food (7472, 7672)	763
Washing, cleaning, and pickling machine operators (7673)	764
Folding machine operators (7474, 7674)	765
Furnace, kiln, and oven operators, exc. food (7675)	766
not used	767
Crushing and grinding machine operators (pt 7477, pt 7677)	768
Slicing and cutting machine operators (7478, 7678)	769
not used	770-772
Motion picture projectionists (pt 7479)	773
Photographic process machine operators (6863, 6868, 7671)	774
not used	775-776
Miscellaneous machine operators, n.e.c. (pt 7479,7665,7679)	777
not used	778
Machine operators, not specified	779
not used	780-782
Fabricators, Assemblers, and Hand Working Occupations	783-795
Welders and cutters (7332, 7532, 7714)	783
Solderers and brazers (7333, 7533, 7717)	784
Assemblers (772, 774)	785
Hand cutting and trimming occupations (7753)	786
Hand molding, casting, and	787

forming occupations (7754, 7755)	
not used	788
Hand painters, coating, and decorating occupations (7756)	789
not used	790-792
Hand engraving and printing occupations (7757)	793
Hand engraving and polishing occupations (7758) [83-92]	794
Miscellaneous hand working occupations (7759)	795
Production Inspectors, Testers, Samplers, and Weighers	796-799
Production inspectors, checkers, and examiners (782, 787)	796
Production testers (783)	797
Production samplers and weighers (784)	798
Graders, and sorters, exc. agricultural (785)	799
not used	800-802
Transportation and Material Moving Occupations	803-859
Motor Vehicle Operators	803-814
Supervisors, motor vehicle operators (8111)	803
Truck drivers [92+]	804
Truck drivers, heavy (8212, 8213) [83-92]	804
Truck drivers, light (8214) [83-92]	805
Driver-sales workers (8218)	806
not used	807
Bus drivers (8215)	808
Taxi cab drivers and chauffeurs (8216)	809
not used	810-812
Parking lot attendants (874)	813
Motor transportation occupations, n.e.c. (8219)	814
not used	815-822
Transportation Occupations, Except Motor Vehicles	823-834
Rail Transportation Occupations	823-826
Railroad conductors and yardmasters (8113)	823

Locomotive operating occupations (8232)	824
Railroad brake, signal, and switch operators (8233)	825
Rail vehicle operators, n.e.c. (8239)	826
not used	827
Water Transportation Occupations	828-834
Ship captains & mates, except fishing boats (pt 8241, 8242)	828
Sailors and deckhands (8243)	829
not used	830-832
Marine engineers (8244)	833
Bridge, lock, and lighthouse tenders (8245)	834
not used	835-842
Material Moving Equipment Operators	843-859
Supervisors, material moving equipment operators (812)	843
Operating engineers (8312)	844
Longshore equipment operators (8313)	845
not used	846-847
Hoist and winch operators (8314)	848
Crane and tower operators (8315)	849
not used	850-852
Excavating and loading machine operators (8316)	853
not used	854
Grader, dozer, and scraper operators (8317)	855
Industrial truck and tractor equipment operators (8318)	856
not used	857-858
Miscellaneous material moving equipment operators (8319)	859
not used	860-862
Handlers, Equipment Cleaners, Helpers, and Laborers	863-889
Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85) 83-92]	763
Supervisors, handlers, equipment cleaners, and laborers [92+]	864
Helpers, mechanics and repairers	864

(863) [83-92]	
Helpers, mechanics and repairers [92+]	865
Helpers, Construction and Extractive Occupations	865-867
Helpers, construction trades (8641-8645, 8648) [83-92]	865
Helpers, surveyor (8646) [83-92]	866
Helpers, construction trades [92+]	866
Helpers, extractive occupations (865) [83-92]	867
Helpers, surveyor [92+]	867
Helpers, extractive occupations [92+]	868
not used [83-92]	868
Construction laborers (871)	869
not used	870-872
Production helpers (861, 862) [83-92]	873
Production helpers [92+]	874
not used [83-92]	874
Freight, Stock, and Material Handlers	875-883
Garbage collectors (8722)	875
Stevedores (8723)	876
Stock handlers and baggers (8724)	877
Machine feeders and offbearers (8725)	878
not used	879-882
Freight, stocks, and material handlers, n.e.c. (8726)	883
not used	884
Garage and service station related occupation (873)	885
not used	886
Vehicle washers and equipment cleaners. (875)	887
Hand packers and packagers (8761)	888
Laborers, except construction (8769)	889
Not used	890-904
Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces	904

not used	906-908
Assigned to persons whose labor force status is unemployed and who last worked in 1974 or earlier.	909
not used	910+
Last job was in Armed Forces (1992)	991

N.6 Coding for 1993-1994 occ and occlyr	
End of OCC80	

Appendix E  
SMSA Rank Codes from the 1970 Census.

<b>0</b>	<b>Not listed below</b>
<b>1</b>	<b>New York City</b>
<b>2</b>	<b>Los Angeles</b>
<b>3</b>	<b>Chicago</b>
<b>4</b>	<b>Philadelphia</b>
<b>5</b>	<b>Detroit</b>
<b>6</b>	<b>San Francisco-Oakland</b>
<b>7</b>	<b>Washington D.C.</b>
<b>8</b>	<b>Boston</b>
<b>9</b>	<b>Nassau-Suffolk, NY</b>
<b>10</b>	<b>Pittsburgh</b>
<b>11</b>	<b>St. Louis</b>
<b>12</b>	<b>Baltimore</b>
<b>13</b>	<b>Cleveland</b>
<b>14</b>	<b>Houston</b>
<b>15</b>	<b>Newark</b>
<b>16</b>	<b>Minneapolis-St. Paul</b>
<b>17</b>	<b>Dallas</b>
<b>18</b>	<b>Seattle-Everett</b>
<b>19</b>	<b>Anaheim-Santa Anna-Garden Grove</b>
<b>20</b>	<b>Milwaukee</b>
<b>21</b>	<b>Atlanta</b>

<b>22</b>	<b>Cincinnati</b>
<b>23</b>	<b>Patterson-Clifton-Passaic</b>
<b>24</b>	<b>San Diego</b>
<b>25</b>	<b>Buffalo</b>
<b>26</b>	<b>Miami</b>
<b>27</b>	<b>Kansas City</b>
<b>28</b>	<b>Denver</b>
<b>29</b>	<b>San Bernardino-Riverside-Ontario</b>
<b>30</b>	<b>Indianapolis</b>
<b>31</b>	<b>San Jose</b>
<b>32</b>	<b>New Orleans</b>
<b>33</b>	<b>Tampa-St. Petersburg</b>
<b>34</b>	<b>Portland</b>
<b>36</b>	<b>Columbus, OH</b>
<b>38</b>	<b>Rochester</b>
<b>42</b>	<b>Sacramento</b>
<b>44</b>	<b>Fort Worth</b>
<b>45</b>	<b>Birmingham, AL</b>
<b>46</b>	<b>Albany-Schenectady-Troy</b>
<b>48</b>	<b>Norfolk-Portsmouth, VA</b>
<b>49</b>	<b>Akron, OH</b>
<b>53</b>	<b>Gary-Hammond-East Chicago</b>
<b>57</b>	<b>Greensboro-Winston-Salem-High Point</b>
	end of 1970 SMSA Code

Specific Metropolitan Identifiers

The specific metropolitan identifiers on this file are based on the Office of Management and Budget's June 30, 1984 definitions and are ranked according to Census Bureau population estimates for July 1, 1983. Identification of CMSA's is based on the CMSA/MSA rank code (see List 1) or the CMSA FIPS Code (see List 5). MSA's can be Identified by using either the CMSA/MSA rank code (List 1) or the FIPS MSA/PMSA code (List 4). PMSA's can be Identified by either the FIPS MSA/PMSA code (List 4) or a combination of the CMSA/MSA rank codes and the PMSA rank code (List 2). Identification of Individual central cities is based on a combination of codes (See List 3). Individual central cities are identified by the appropriate central city code and the FIPS MSA/PMSA code or the appropriate central city code, the CMSA/MSA rank code, and, if necessary, the PMSA rank code. Some examples of the proper coding of specific metropolitan areas are given below.

AREA		CMSA/ MSA RANK	PMSA RANK CODE	INDIVIDUAL CENTRAL CITY CODE	FIPS MSA/PMSA CODE
		(HG-MSAR)	(HG-PMSA)	(INDCCODE)	(HG-MSAC)
		List 1	List 2	List 3	List 4
Dallas-Fort Worth, TX	CMSA	010	N/C	N/C	N/C
Fort Worth-Arlington, TX	PMSA	010	02	N/C	N/C
	OR	N/C	N/C	N/C	2800
Fort Worth, TX Central City		010	02	1	N/C
	OR	N/C	N/C	1	2800
Phoenix, AZ MSA		023	N/C	N/C	N/C
	OR	N/C	N/C	N/C	6200
Mesa, AZ Central City		023	N/C	2	N/C
	OR	N/C	N/C	2	6200
Burlington, VT MSA		224	N/C	N/C	N/C
	OR	H/C	N/C	N/C	1305

N/C = No Code Required

NOTES:

1. Do not attempt to tally CMSA totals by summing identified PMSA's. The specific PMSA identification for some PMSA's is suppressed while the specific CMSA for those areas is available. The New Hampshire portion of the Boston CMSA is an example of this. While specific identification of Nashua and the Lawrence-Haverill and Lowell portions is suppressed, all areas are coded as being in the Boston CMSA.
2. Many of the smaller metropolitan areas in sample do not contain central city/balance breakdowns and hence, are coded "not identifiable" in the household central city metropolitan statistical area residence status code (HCCC-R). It is recommended that this code in conjunction with the modified household metropolitan statistical area residence status code (HMSA-R) be used for tallying metropolitan residence status for national and other grouped data. The HG in each listing refers to Household Geographic.

LIST 1: CMSA/MSA 1983 RANK CODES (HG-MSAR) Used in the CPS through 1994.(CMSARANK)	
Rank	FIPS/MSA PMSA Code
1	New York-New Jersey-Long Island, NY-NJ CMSA
2	Los Angeles-Anaheim-Riverside, CA CMSA
3	Chicago-Gary-Lake County, IL-IN-WI CMSA (Wisconsin portion not in sample)
4	Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA (Maryland portion suppressed)
5	San Francisco-Oakland-San Jose, CA CMSA
6	Detroit-AnnArbor, MI CMSA
7	Boston-Lawrence-Salem, MA-NH CMSA
0	Houston-Galveston-Brazoria, TX CMSA
9	40 Washington, DC-VA MSA
10	Dallas-FortWorth, TX CMSA
11	Cleveland-Akron-Lorain, OH CMSA
12	Miami-Fort Lauderdale,

FL CMSA	
13	Pittsburgh-Deaver Valley, PA CMSA
14	St. Louis, MO-ILCMSA
15	520 Atlanta, GAMSAs
16	720 Baltimore, MDMSA
17	5120 Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
18	Seattle-Tacoma, WACMSA
19	7320 San Diego, CA MSA
20	8280 Tampa-St. Petersburg-Clearwater, FL MSA
21	Denver-Boulder, COCMSA
22	Cincinnati-Hamilton, OH-KY-IN CMSA (Indiana portion not identified)
23	6200 Phoenix, AZMSA
24	Milwaukee-Racine, WI CMSA
25	3760 Kansas City, MO-KS MSA
26	Portland-Vancouver, OR-WA CMSA
27	5560 New Orleans, LA MSA
28	1040 Columbus, OH MSA
29	5720 Norfolk-Virginia Beach-Newport News, VA MSA
30	Buffalo-Niagara Falls, NY CMSA
31	6920 Sacramento, CA MSA
32	3480 Indianapolis, IN MSA

33	7240	San Antonio, TX MSA
34		Providence-Pawtucket-Fall River, RI-MA CMSA
35	1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
36		Hartford-New Britain-Middletown, CT CMSA
37	7160	Salt Lake City-Ogden, UT MSA
38	6840	Rochester, NYMSA
39	5880	Oklahoma City, OK MSA
40	4520	Louisville, KY-IN MSA
41	2000	Dayton-Springfield, OH MSA
42	4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
43	1000	Birmingham, ALMSA
44	5360	Nashville, TNMSA
45	3120	Greenboro-Winston Salem-High Point, NC MSA
46	160	Albany-Schenectady-Troy NY MSA
47	3320	Honolulu, HIMSA
48	5960	Orlando, FLMSA
49	6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
50	3600	Jacksonville, FL MSA
51	7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
52	560	Tulsa, OK MSA
53	8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
54	8160	Syracuse, NYMSA
55	240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
56	640	Austin, TXMSA

57	3000	Grand Rapids, MIMSA
58	8400	Toledo, OHMSA
59	5920	Omaha, NE-IAMSA (Iowa portion not identified)
60	6640	Raleigh-Durham, NC MSA
61	3160	Greenville-Spartanburg, SC MSA
62	3840	Knoxville, TNMSA
63	8520	Tucson, AZMSA
64	3240	Harrisonburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
65	2840	Fresno, CAMSA
66	760	Baton Rouge, LAMSA
67	9320	Youngstown-Warren, OH MSA
68	4120	Las Vegas, NV MSA
69	8000	Springfield, MA MSA
70	2320	El Paso, TX MSA
71	5480	New Haven-Meriden, CT MSA
72	4400	Little Rock-North Little Rock, AR MSA
73	1440	Charleston, SC MSA
74	5160	Mobile, ALMSA (Baldwin county not in sample)
75	680	Bakersfield, CA MSA
76	3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
77	2640	Flint, MI MSA
78	200	Albuquerque, NMMSA
79	9040	Wichita, KS MSA
80	1760	Columbia, SC MSA
81	1560	Chattanooga, TN-GA MSA (Marion and Sequatchie counties Tennessee not in sample)
82	6960	Saginaw-Bay City-Midland, MI MSA
83	4040	Lansing-East Lansing, MI MSA
84	9240	Worcester, MA MSA
85	1320	Canton, OH MSA
86	840	Beaumont-Port Arthur, TX

		MSA
87	9280	York, PA MSA
88	1960	Davenport-Rock Island-Moline, IA-IL MSA
89	8120	Stockton, CA MSA
90	2120	Des Moines, IA MSA (Dallas county not in sample)
91	4000	Lancaster, PA MSA
92	3560	Jackson, MS MSA
93	6120	Peoria, IL MSA
94	600	Augusta, GA-SC, MSA
95	1880	Corpus Christi, TX MSA
96	7680	Shreveport, LA MSA
97	2760	Fort Wayne, IN MSA
98	7840	Spokane, WA MSA
99	3980	Lakeland-Winter Haven, FL MSA
100	1720	Colorado Springs, CO MSA
101	3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
102	4720	Madison, WI MSA
103	4880	McAllen-Edinburg-Mission, TX MSA
104	4200	Lexington-Fayette, KY MSA
105	8680	Utica-Rome, NY MSA
107	6680	Reading, PA MSA
108	6080	Pensacola, FL MSA
109	7120	Salinas-Seaside-Monterey, CA MSA
110	4900	Melbourne-Titusville-Palm Bay, FL MSA
111	460	Appleton-Oshkosh-Neenah, WI MSA
112	2020	Daytona Beach, FL MSA
113	5170	Modesto, CA MSA
115	5240	Montgomery, AL MSA
116	2360	Erie, PA MSA
117	6880	Rockford, IL MSA
118	2440	Evansville, IN-KY MSA (Kentucky portion not

		identified)
119	4600	Macon-Warner Robins, GA MSA
120	1400	Charleston, WV MSA
121	2400	Eugene-Springfield, OR MSA
122	960	Binghamton, NY MSA
123	8700	Visalia-Tulare-Porterville, CA MSA
124	3680	Johnstown, PA MSA
125	2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
126	5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
127	7000	Salem, OR MSA
128	6460	Poughkeepsie, NY MSA
129	2560	Fayetteville, NC MSA
130	1800	Columbus, GA-AL MSA (Alabama portion not in sample)
131	2700	Fort Myers, FL MSA
132	7000	South Bend-Mishawaka, IN MSA
133	6520	Provo-Orem, UT MSA (Central City portion only identified)
134	1240	Brownsville-Harlingen, TX MSA
135	7520	Savannah, GA MSA
136	7510	Sarasota, FL MSA
137	6000	Roanoke, VA MSA
138	4600	Lubbock, TX MSA
139	3080	Lafayette, LA MSA
140	3810	Killeen-Temple, TX MSA
141	7920	Springfield, MO MSA
142	3720	Kalamazoo, MI MSA
143	300	Anchorage, AK MSA
144	6720	Reno, NV MSA (Central City portion only identified)
145	3290	Hickory, NC MSA
146	3440	Huntsville, AL MSA
147	8000	Waterbury, CT MSA
148	8240	Tallahassee, FL MSA

149	6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
150	6400	Portland,ME MSA
151	4360	Lincoln,NE MSA
152	920	Biloxi-Gulfport, MS MSA
153	3350	Houma-Thibodaux, LA MSA
154	7080	Springfield,IL MSA
156	1000	Boise City,ID MSA
157	2900	Gainesville,FL MSA
150	9000	Wheeling,WV-OH MSA (Ohio portion not identified)
161	8000	Waco,TX MSA
163	3960	Lake Charles,LA MSA
164	1360	Cedar Rapids,IA MSA
165	5400	New Bedford,MA MSA
166	1400	Champaign-Urbana-Rantoul, IL MSA
169	2720	Fort Smith,AR-OK MSA (Oklahoma portion not in sample)
170	1140	Bradenton,FL MBA
171	480	Asheville,NC MSA
172	870	Benton Harbor,MI MSA
173	8920	Waterloo-CederFalls, IA MSA
174	2670	Fort Collins-Loveland, CO MBA
178	8440	Topeka,KA MSA(Central City portion only identified)
179	1620	Chico,CA MSA
180	5320	Muskegon,MI MSA
181	4320	Lima,OH MSA
184	5790	Ocala,FL MSA
185	3520	Jackson,MS MSA
186	5200	Monroe,LA MSA
192	8600	Tuscaloosa,AL MSA
193	780	Battle Creek,MI MSA
194	405	Anderson,SC MSA
197	5910	Olympia,WA MSA
198	8320	Terre Haute,IN MSA

199	2650	Florence,AL MSA
201	280	Altoona,PA MSA
202	400	Anderson,IN MSA
203	4760	Manchester,NH MSA
204	4890	Medford,OR MBA
207	3710	Joplin,MO MSA
209	4800	Mansfield,OH MSA
211	7610	Sharon,PA MSA
216	6560	Pueblo,CO MSA
219	4200	Lawton,OK MSA
221	1040	Bloomington-Normal, IL MSA
222	2750	Fort WaltonBeach, FL MSA
224	1305	Burlington,VT MSA
225	9140	Williamsport,PA MSA
226	7720	Sioux City,IA-NE MSA (Nebraska portion not in sample)
231	7760	Sioux Falls,SD MSA
233	2655	Florence,SC MSA
240	860	Bellingham,WA MSA
242	9340	Yuba City,CA MSA
246	1740	Colombia,MO MSA
247	2880	Gadsden,AL MSA
248	2580	Fayetteville-Springdale, AK MSA
252	3740	Kankakee,IL MSA
end of list 1		End of CMSARANK



LIST 2: PMSA 1983 RANK CODES (HG-PMSA)  
(PMSARANK)

Note: The PMSA Rank is assigned based on a PMSA's population when compared to other PMSA's within the parent CMSA. Used in the CPS through 1994.

CMSA Rank Code

PMSA Rank Code

MSA/PMSA Code

PMSA Title

1	1	5600	New York, NY
	2	5380	Nassau-Suffolk, NY
	3	5640	Newark, NJ
	4	875	Bergen-Passaic, NJ
	5	5015	Middlesex-Somerset-Hunterdon, NJ
	6	5190	Monmouth-Ocean, NJ
	7	3640	Jersey City, NJ
	0	1160	Bridgeport-Milford, CT
	9	5950	Orange County, NY
	10	8040	Stamford, CT
	11	1930	Danbury, CT
	12	5760	Norwalk, CT
2	1	4480	Los Angeles-Long Beach, CA
	2	360	Anaheim-Santa Ana, CA
	3	6780	Riverside-San Bernardino, CA
	4	6000	Oxnard-Ventura, CA
3	1	1600	Chicago, IL
	2	2960	Gary-Hammond, IN
	3	3965	Lake County, IL
	4	3690	Joliet, IL
	5	620	Aurora-Elgin, IL
4	1	6160	Philadelphia, PA-NJ
	2	9160	Wilmington, DE-NJ-MD (New Jersey portion NI, MD part suppressed.)
	3	8400	Trenton, NJ
5	1	5775	Oakland, CA
	2	7360	San Francisco, CA
	3	7400	San Jose, CA
	4	8720	Vallejo-Fairfield-Napa, CA
	5	7500	Santa Rosa-Petaluma, CA
	6	7485	Santa Cruz, CA
6	1	2160	Detroit, MI

	2	440	Ann Arbor, MS
7	1	1120	Boston, MA
	2	4160	Lawrence-Haverill, MA-NH (New Hampshire portion not identified)
	3	7090	Salem-Gloucester, MA
	4	4560	Lowell, MA-NH (NH portion Not Identified)
	5	1200	Brockton, MA
8	1	3360	Houston, TX
	2	2920	Galveston-Texas City, TX
	3	1145	Brazoria, TX
10	1	1920	Dallas, TX
	2	2800	Fort Worth-Arlington, TX
11	1	1680	Cleveland, OH
	2	80	Akron, OH
	3	4440	Lorain-Elyria, OH
12	1	5000	Miami-Hialeah, FL
	2	2600	Fort Lauderdale-Hollywood-Pompano Beach, FL
13	1	6280	Pittsburgh, PA
	2	845	Beaver County, PA
14	1	7040	St. Louis, MO-IL (Illinois portion not identified)
18	1	7600	Seattle, WA
	2	8200	Tacoma, WA
21	1	2080	Denver, CO
	2	1125	Boulder-Longmont, CO
22	1	1640	Cincinnati, OH-KY-IN (IN portion not identified)
	2	3200	Hamilton-Middletown, OH
24	1	5080	Milwaukee, WI
	2	6600	Racine, WI
26	1	6440	Portland, OR
	2	8725	Vancouver, WA
30	1	1200	Buffalo, NY
	2	5700	Niagara Falls, NY
34	1	6400	Providence, RI
	2	6060	Pawtucket-Woonsocket-Attleboro, RI-MA (RI-Central City portion only identified)
36	1	3200	Hartford, CT
	2	5440	New Britain, CT (End of list 2)

**LIST 3: INDIVIDUAL CENTRAL CITY CODES  
(ICNTCITY) (INDCCODE)(valid through 1994).**

CMSA/ MSA Rank Code	PMSA Rank Code	Indivi dual Cent ral City Code	Title
1	3	1	Newark,NJ
		2	Elizabeth,NJ
2	1	1	LosAngeles,CA
		2	Long Beach,CA
		3	Pasadena,CA
		0	Others
	2	1	Anaheim,CA
		2	SantaAna,CA
	3	1	Riverside,CA
		0	Others
3	1	1	Chicago,IL
		0	Others
	2	1	Gary,IN
		0	Others
5	1	1	Oakland,CA
		0	Others
6	1	1	Detroit,MI
		0	Others
7	1	1	Boston,MA
		0	Others
10	1	1	Dallas,TX
		0	Others
	2	1	Fort Worth,TX
		2	Arlington,TX
12	1	1	Miami,FL
		0	Others
	2	1	FortLauderdale,FL
		0	Others
17		1	Minneapolis,MN
		0	Others
20		1	Tampa,FL
		0	Others
23		1	Phoenix,AZ
		2	Mesa,AZ

		0	Others
29		1	Norfolk,VA
		2	Virginia Beach,VA
		3	Newport News,VA
		4	Hampton,VA
		0	Others
45		1	Greensboro,NC
		0	Others
46		1	Albany,NY
		0	Others
60		1	Raleigh,NC
		0	Others
69		1	Springfield,MA
		0	Others
end of list 3			

**LIST 4: FIPS MSA/PMSA CODES (MSAFIPS) (HG-MSAC)  
1989-1994**

CMSA/MSARankCode			
PMSARankCode			
MSA FIPS code			
11	2	80	Akron, OH PMSA
46		160	Albany-Schenectady-Troy, NY MSA
78			Albuquerque, NM MSA
55		240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
201		280	Altoona, PA MSA
2	2	360	Anaheim-Santa Ana, CA PMSA
143		380	Anchorage ,AK MSA
202		400	Anderson, IN MSA (1989 - 1994)
194		405	Anderson, SC MSA
6	2	440	Ann Arbor, MI PMSA
111		460	Appleton-Oshkosh-Neenah, WI MSA
171		480	Asheville, NC MSA
15		520	Atlanta ,GA MSA
94		600	Augusta ,GA-SC MSA
3	5	620	Aurora-Elgin, IL PMSA
56		640	Austin, TX MSA
75		680	Bakersfield, CA MSA
16		720	Baltimore, MD MSA
66		760	BatonRouge, LA MSA
193		780	BattleCreek, MI MSA
86		840	Beaumont-Port Arthur, FL MSA
13	2	845	BeaverCounty, PA PMSA
240		860	Bellingham, WA MSA
172		870	Benton Harbor, MI MSA
1	4	875	Bergen-Passaic, NJ PMSA
152		920	Biloxi-Gulfport, MS MSA
122		960	Binghamton, NY MSA
43		1000	Birmingham, AL MSA
221		1040	Bloomington- Normal, IL MSA
156		1080	BoiseCity, ID MSA
7	1	1120	Boston, MA PMSA
21	2	1125	Boulder-Longmont, CO PMSA
170		1140	Bradenton, FL MSA
8	3	1145	Brazoria, TX PMSA
1	8	1160	Bridgeport- Milford, CT PMSA

7	5	1200	Brockton ,MA PMSA
134		1240	Brownsville-Harlingen, TX MSA
30	1	1280	Buffalo, NY PMSA
224		1305	Burlington ,VT MSA
85		1320	Canton , OH MSA
164		1360	Cedar Rapids, IA MSA
166		1400	Champaign-Urbana-Rantoul, IL MSA
73		1440	Charleston, SC MSA
120		1480	Charleston, WV MSA
35		1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
81		1560	Chattanooga ,TN-A MSA(Marion and Sequatchie counties Tennessee not in sample)
3	1	1600	Chicago, IL PMSA
179		1620	Chico, CA MSA
22	1	1640	Cincinnati , OH-KY-IN PMSA(Indiana portion not identified)
11	1	1680	Cleveland, OH PMSA
100		1720	Colorado Springs, CO MSA
246		1740	Colombia ,MO MSA (1989-1994)
80		1760	Columbia, SC MSA
130		1800	Columbus, GA-AL MSA(Alabama portion not in sample)
20	-	1840	Columbus ,OH MSA
95		1880	Corpus Christi, TX MSA
10	1	1920	Dallas ,TX PMSA
1	11	1930	Danbury ,CT PMSA
88		1960	Davenport-Rock Island-Moline, IA-IL MSA
41		2000	Dayton-Springfield, OH MSA
112		2020	Daytona Beach ,FL MSA
21	1	2080	Denver ,CO PMSA
90		2120	DesMoines, IA MSA(Dallas County not in sample)
6	1	2160	Detroit, MI PMSA
125		2240	Duluth, MN-WI MSA(Wisconsin portion not identified)
70		2320	El Paso, TX MSA
116		2360	Erie, PA MSA
121		2400	Eugene-Springfield, OR MSA
118		2440	Evansville, IN-KY MSA(Kentucky portion not identified)
129		2560	Fayetteville, NC MSA
248		2580	Fayetteville-Springdale, AR MSA
77		2640	Flint, MI MSA

199		2650	Florence, AL MSA
233		2655	Florence, SC MSA (1989-1994)
174		2670	Fort Collins-Loveland ,CO MSA
12	2	2680	Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA
131		2700	Fort Myers, FL MSA
169		2720	Fort Smith, AR-OK MSA(Oklahoma portion not in sample)
222		2750	Fort Walton Beach, FL MSA
97		2760	Fort Wayne, IN MSA
10	2	2800	Fort Worth-Arlington, TX PMSA
65		2840	Fresno ,CA MSA
247		2880	Gadsden, AL MSA (1989-1994)
157		2900	Gainesville ,FL MSA
8	2	2920	Galveston-Texas City, TX PMSA
3	2	2960	Gary-Hammond, IN PMSA
57		3000	Grand Rapids, MI MSA
45		3120	Greenboro-Winston Salem-High Point, NC MSA
61		3160	Greenville-Spartanburg, SC MSA
22	2	3200	Hamilton-Middletown, OH PMSA
64		3240	Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon County not in sample)
36	1	3280	Hartford, CT PMSA
145		3290	Hickory, NC MSA
47		3320	Honolulu, HI MSA
153		3350	Houma-Thibodaux, LA MSA
8	1	3360	Houston, TX PMSA
101		3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
146		3440	Huntsville ,AL MSA
32		3480	Indianapolis, IN MSA
185		3520	Jackson, MI MSA
92		3560	Jackson, MS MSA
50		3600	Jacksonville, FL MSA
1	7	3640	Jersey City, NJ PMSA
76		3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
124		3680	Johnstown, PA MSA
3	4	3690	Joliet ,IL PMSA
207		3710	Joplin, MO MSA (1989-1994)
142		3720	Kalamazoo, MI MSA
252		3740	Kankakee, IL MSA
25		3760	Kansas City, MO-KS MSA

140		3810	Killeen-Temple, TX MSA (1989-1994)
62		3840	Knoxville, TN MSA
139		3880	Lafayette, LA MSA
163		3960	Lake Charles, LA MSA
3	3	3965	Lake County, IL PMSA
99		3980	Lakeland-Winter Haven, FL MSA
91		4000	Lancaster ,PA MSA
83		4040	Lansing-East Lansing, MI MSA
60		4120	Las Vegas, NV MSA
7	2	4160	Lawrence-Haverill, MA-NH PMSA (New Hampshire portion not identified)
219		4200	Lawton, OK MSA (1989-1994)
104		4280	Lexington-Fayette, KY MSA
181		4320	Lima, OH MSA
151		4360	Lincoln, NE MSA
72		4400	Little Rock-North Little Rock, AK MSA
11	3	4440	Lorain-Elyria, OH PMSA
2	1	4480	Los Angeles-Long Beach, CA PMSA
40		4520	Louisville, KY-IN MSA
7	4	4560	Lowell, MA-NH PMSA(NewHampshire portion not identified)
119		4680	Macon-Warner Robins,GA MSA
102		4720	Madison, WI MSA
203		4760	Manchester, NH MSA
209		4800	Mansfield ,OH MSA (1989 - 1994)
103		4880	McAllen-Edinburg - Mission, TX MSA
204		4890	Medford, OR MSA
110		4900	Melbourne-Titusville - PalmBay, FL MSA
42		4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
12	1	5000	Miami-Hialeah, FL PMSA
1	5	5015	Middlesex-Somerset-Hunterdon, NJ PMSA
24	1	5080	Milwaukee, WI PMSA
17		5120	Minneapolis-St. ,Paul, MN-WI MSA (Wisconsin portion not identified)
74		5160	Mobile, AL MSA(Baldwin county not in sample)
113		5170	Modesto, CA MSA
1	6	5190	Monmouth-Ocean, NJ PMSA
106		5200	Monroe, LA MSA
115		5240	Montgomery ,AL MSA
100		5320	Muskegon, MI MSA
44		5360	Nashville, TN MSA
1	2	5380	Nassau-Suffolk, NY PMSA

165		5400	New Bedford, MA MSA
36	2	5440	New Britain, CT PMSA
71		5480	New Haven-Meriden, CT MSA
126		5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
27		5560	New Orleans, LA MSA
1	1	5600	New York, NY PMSA
1	3	5600	Newark, NJ PMSA
30	2	5700	Niagara IIs, NY PMSA
29		5720	Norfolk-Virginia Beach-Newport News, VA MSA
1	12	5760	Norwalk, CT PMSA
5	1	5775	Oakland, CA PMSA
184		5790	Ocala, FL MSA
39		5880	Oklahoma City, OK MSA
197		5910	Olympia, WA MSA
138		4600	Lubbock, TX MSA
59		5920	Omaha, NE-IA MSA (Iowa portion not identified)
1	9	5950	Orange County ,NY PMSA
48		5960	Orlando ,FL MSA
2	4	6000	Oxnard-Ventura ,CA PMSA
34	2	6060	Pawtucket - Woonsocket -Attleboro, RI-MA PMSA (Rhode Island Central City portion only identified)
100		6080	Pensacola ,FL MSA
93		6120	Peoria, IL MSA
4	1	6160	Philadelphia ,PA-NJ PMSA
23		6200	Phoenix ,AZ MSA
13	1	6280	Pittsburgh ,PA PMSA
150		6400	Portland, ME MSA
26	1	6440	Portland, OR PMSA
149		6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
128		6460	Poughkeepsie, NY MSA
34	1	6480	Providence, RI PMSA
133		6520	Provo-Orem, UT MSA(Central City portion only identified)
216		6560	Pueblo, CO MSA
24	2	6600	Racine, WI PMSA
60		6640	Raleigh- Durham ,NC MSA
107		6680	Reading, PA MSA
144		6720	Reno, NV MSA(Central City portion only identified)

49		6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights ,Hopewell, and Petersburg cities not in sample)
2	3	6780	Riverside-San Bernardino, CA PMSA
137		6800	Roanoke, VA MSA
38		6840	Rochester, NY MSA
117		6880	Rockford, IL MSA
31		6920	Sacramento, CA MSA
82		6960	Saginaw-Bay City-Midland,MI MSA
14	1	7040	St ,Louis, FL PMSA(Illinois portion not identified)
127		7080	Salem ,OR MSA
7	3	7090	Salem-Gloucester, MA PMSA
109		7120	Salinas-Seaside-Monterey, CA MSA
37		7160	Salt Lake City-Ogden, UT MSA
33		7240	San Antonio, TX MSA
19		7320	San Diego, CA MSA
5	2	7360	San Francisco, CA PMSA
5	3	7400	San Jose , CA PMSA
106		7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
5	6	7485	Santa Cruz, CA PMSA (1989-1994)
5	5	7500	Santa Rosa-Petaluma , CA PMSA
136		7510	Sarasota, FL MSA
135		7520	Savannah, GA MSA ( 1989-1994)
51		7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
18	1	7600	Seattle ,WA PMSA
211		7610	Sharon, PA MSA (1989-1994)
96		7680	Shreveport ,LA MSA
226		7720	Sioux City, IA -NE MSA(Nebraska portion not in sample)
231		7760	Sioux Falls, SD MSA
132		7800	South Bend-Mishawaka ,IN MSA
90		7840	Spokane ,WA MSA
154		7880	Springfield ,IL MSA
141		7920	Springfield ,MO MSA
69		8000	Springfield ,MA MSA
1	10	8040	Stamford ,CT PMSA
89		8120	Stockton ,CA MSA
54		8160	Syracuse ,NY MSA
18	2	8200	Tacoma ,WA PMSA
148		8240	Tallahassee ,FL MSA



20		8280	Tampa-St. Petersburg-Clearwater, FL MSA
198		8320	Terre Haute, IN MSA (1989-1994)
58		8400	Toledo, OH MSA
170		8440	Topeka, KA MSA(Central City portion only identified)
4	3	8480	Trenton, NJ PMSA
63		8520	Tucson, AZ MSA
52		8560	Tulsa, OK MSA
192		8600	Tuscaloosa, AL MSA
105		8680	Utica-Rome, NY MSA
5	4	8720	Vallejo-Fairfield-Napa, CA PMSA
26	2	8725	Vancouver, WA PMSA
123		8780	Visalia- Tulare -Porterville, CA MSA
161		8800	Waco, TX MSA
9		8840	Washington, DC-MD-VA MSA
147		8880	Waterbury, CT MSA
173		8920	Waterloo-Cedar Falls ,IA MSA
53		8960	West Palm Beach - Boca Raton - Delray Beach, FL MSA
158		9000	Wheeling, WV-OH MSA(Ohio portion not identified)
79		9040	Wichita, KA MSA
225		9140	Williamsport, PA MSA
4	2	9160	Wilmington, DE-NJ-MD PMSA(New Jersey portion not identified , Maryland portion suppressed.)
4		9240	Worcester, MA MSA
87		9280	York, PA MSA
67		9320	Youngstown-Warren, OH MSA
242		9340	Yuba City ,CA MSA

FIPS MSA/PMSA CODES (HG-MSAC) for 1995+

FIPS

MSA/PMSA

CODE HG-MSAC MSA/PMSA TITLE

0080 Akron, OH PMSA  
0160 Albany-Schenectady-Troy, NY MSA (Schohaire County not in sample)  
0200 Albuquerque, NM MSA  
0240 Allentown-Bethlehem-Easton, PA MSA  
0380 Anchorage, AK MSA  
0440 Ann Arbor, MI PMSA  
0450 Anniston, AL MSA  
0460 Appleton-Oshkosh-Neenah, WI MSA  
0480 Asheville, NC MSA (Madison County not in sample)

0520 Atlanta, GA MSA  
 0560 Atlantic-Cape May, NJ PMSA  
 0600 Augusta-Aiken, GA-SC MSA  
 0640 Austin-San Marcos, TX MSA  
 0680 Bakersfield, CA MSA  
 0720 Baltimore, MD PMSA  
 0760 Baton Rouge, LA MSA  
 0840 Beaumont-Port Arthur, TX MSA  
 0860 Bellingham, WA MSA  
 0870 Benton Harbor, MI MSA  
 0875 Bergen-Passaic, NJ PMSA  
 0960 Binghamton, NY MSA  
 1000 Birmingham, AL MSA  
 1080 Boise City, ID MSA  
 1120 Boston, MA-NH PMSA (New Hampshire portion not identified)  
 1125 Boulder-Longmont, CO PMSA  
 1145 Brazoria, TX PMSA  
 1160 Bridgeport, CT PMSA  
 1200 Brockton, MA PMSA  
 1240 Brownsville-Harlingen-San Benito, TX MSA  
 1280 Buffalo-Niagara Falls, NY MSA  
 1305 Burlington, VT MSA  
 1320 Canton-Massillon, OH MSA  
 1360 Cedar Rapids, IA MSA  
 1440 Charleston-North Charleston, SC MSA  
 1480 Charleston, WV MSA  
 1520 Charlotte-Gastonia-Rock Hill, NC-SC MSA  
 1560 Chattanooga, TN-GA MSA  
 1600 Chicago, IL PMSA (DeKalb County not in sample)  
 1620 Chico-Paradise, CA MSA  
 1640 Cincinnati, OH-KY-IN PMSA (Dearborn County, IN not identified;  
       Ohio County, IN not in sample)  
 1660 Clarksville-Hopkinsville, TN-KY MSA (Kentucky portion not in sample)  
 1680 Cleveland-Lorain-Elyria, OH PMSA  
 1720 Colorado Springs, CO MSA  
 1760 Columbia, SC MSA  
 1800 Columbus, GA-AL MSA (Alabama portion not in sample)  
 1840 Columbus, OH MSA  
 1880 Corpus Christi, TX MSA  
 1920 Dallas, TX PMSA  
 1930 Danbury, CT PMSA  
 1960 Davenport-Moline-Rock Island, IA-IL MSA  
 2000 Dayton-Springfield, OH MSA  
 2020 Daytona Beach, FL MSA  
 2030 Decatur, AL MSA  
 2040 Decatur, IL MSA  
 2080 Denver, CO PMSA  
 2120 Des Moines, IA MSA  
 2160 Detroit, MI PMSA  
 2190 Dover, DE MSA  
 2240 Duluth-Superior, MN-WI MSA (Wisconsin portion not identified)  
 2281 Dutchess County, NY PMSA  
 2290 Eau Claire, WI MSA  
 2320 El Paso, TX MSA

2360 Erie, PA MSA  
 2400 Eugene-Springfield, OR MSA  
 2440 Evansville-Henderson, IN-KY MSA (Kentucky portion not identified)  
 2520 Fargo-Moorhead, ND-MN MSA (Minnesota portion not identified)  
 2560 Fayetteville, NC MSA  
 2580 Fayetteville-Springdale-Rogers, AR MSA  
 2600 Fitchburg-Leominster, MA PMSA  
 2640 Flint, MI PMSA  
 2650 Florence, AL MSA  
 2670 Fort Collins-Loveland, CO MSA  
 2680 Fort Lauderdale, FL PMSA  
 2700 Fort Myers-Cape Coral, FL MSA  
 2710 Fort Pierce-Port St. Lucie, FL MSA  
 2720 Fort Smith, AR-OK MSA (Oklahoma portion not in sample)  
 2750 Fort Walton Beach, FL MSA  
 2760 Fort Wayne, IN MSA (Adams, Huntington, and Wells Counties not in sample)  
 2800 Fort Worth-Arlington, TX PMSA  
 2840 Fresno, CA MSA  
 2900 Gainesville, FL MSA  
 2920 Galveston-Texas City, TX PMSA  
 2960 Gary, IN PMSA  
 3000 Grand Rapids-Muskegon-Holland, MI MSA  
 3060 Greeley, CO PMSA  
 3080 Green Bay, WI MSA  
 3120 Greenboro-Winston Salem-High Point, NC MSA  
 3150 Greenville, NC MSA  
 3160 Greenville-Spartanburg-Anderson, SC MSA  
 3180 Hagerstown, MD PMSA  
 3200 Hamilton-Middletown, OH PMSA  
 3240 Harrisburg-Lebanon-Carlisle, PA MSA  
 3280 Hartford, CT MSA  
 3290 Hickory-Morgantown, NC MSA (Caldwell County not in sample)  
 3320 Honolulu, HI MSA  
 3350 Houma, LA MSA  
 3360 Houston, TX PMSA (Chambers County not in sample)  
 3400 Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)  
 3440 Huntsville, AL MSA (Limestone County not in sample)  
 3480 Indianapolis, IN MSA (Madison County not in sample)  
 3520 Jackson, MI MSA  
 3560 Jackson, MS MSA  
 3600 Jacksonville, FL MSA  
 3610 Jamestown, NY MSA  
 3640 Jersey City, NJ PMSA  
 3660 Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)  
 3680 Johnstown, PA MSA  
 3720 Kalamazoo-Battle Creek, MI MSA (Van Buren County not in sample)  
 3760 Kansas City, MO-KS MSA  
 3840 Knoxville, TN MSA  
 3880 Lafayette, LA MSA (Acadia Parish not in sample)  
 3960 Lake Charles, LA MSA  
 3980 Lakeland-Winter Haven, FL MSA

4000 Lancaster, PA MSA  
 4040 Lansing-East Lansing, MI MSA  
 4080 Laredo, TX MSA  
 4100 Las Cruces, NM MSA  
 4120 Las Vegas, NV-AZ MSA (Nye County, NV and Mohave County, AZ not in sample)  
 4160 Lawrence, MA-NH PMSA (New Hampshire portion not identified)  
 4280 Lexington, KY MSA (Madison County not in sample)  
 4360 Lincoln, NE MSA  
 4400 Little Rock-North Little Rock, AR MSA  
 4480 Los Angeles-Long Beach, CA PMSA  
 4520 Louisville, KY-IN MSA (Scott County, IN not in sample)  
 4560 Lowell, MA-NH PMSA (New Hampshire portion not identified)  
 4600 Lubbock, TX MSA  
 4680 Macon, GA MSA (Twiggs County not in sample)  
 4720 Madison, WI MSA  
 4760 Manchester, NH PMSA  
 4880 McAllen-Edinburg-Mission, TX MSA  
 4890 Medford-Ashland, OR MSA  
 4900 Melbourne-Titusville-Palm Bay, FL MSA  
 4920 Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)  
 4940 Merced, CA MSA  
 5000 Miami, FL PMSA  
 5015 Middlesex-Somerset-Hunterdon, NJ PMSA  
 5080 Milwaukee-Waukesha, WI PMSA  
 5120 Minneapolis-St., Paul, MN-WI MSA (St. Croix County, WI not identified; Pierce County, WI not in sample)  
 5160 Mobile, AL MSA  
 5170 Modesto, CA MSA  
 5190 Monmouth-Ocean, NJ PMSA  
 5200 Monroe, LA MSA  
 5240 Montgomery, AL MSA  
 5330 Myrtle Beach, SC MSA  
 5345 Naples, FL MSA  
 5350 Nashua, NH PMSA  
 5360 Nashville, TN MSA  
 5380 Nassau-Suffolk, NY PMSA  
 5400 New Bedford, MA PMSA  
 5480 New Haven-Meriden, CT PMSA  
 5520 New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)  
 5560 New Orleans, LA MSA  
 5600 New York, NY PMSA (White Plains Central City recoded to balance of PMSA)  
 5640 Newark, NJ PMSA  
 5660 Newburgh, NY-PA PMSA (Pennsylvania portion not identified)  
 5720 Norfolk-Virginia Beach-Newport News, VA-NC MSA (Mathews County, VA not in sample; North Carolina portion not identified)  
 5775 Oakland, CA PMSA  
 5790 Ocala, FL MSA  
 5800 Odessa-Midland, TX MSA (Ector County not in sample)  
 5880 Oklahoma City, OK MSA  
 5910 Olympia, WA PMSA  
 5920 Omaha, NE-IA MSA (Iowa portion not identified)

5945 Orange County, CA PMSA  
 5960 Orlando, FL MSA  
 6015 Panama City, FL MSA  
 6080 Pensacola, FL MSA  
 6120 Peoria-Pekin, IL MSA  
 6160 Philadelphia, PA-NJ PMSA  
 6200 Phoenix-Mesa, AZ MSA  
 6280 Pittsburgh, PA MSA  
 6400 Portland, ME MSA  
 6440 Portland-Vancouver, OR-WA PMSA  
 6450 Portsmouth-Rochester, NH-ME PMSA (Maine portion not identified)  
 6480 Providence-Fall River-Warwick, RI-MA MSA (Newport County, RI portion  
 suppressed)  
 6520 Provo-Orem, UT MSA  
 6560 Pueblo, CO MSA  
 6580 Punta Gorda, FL MSA  
 6600 Racine, WI PMSA  
 6640 Raleigh-Durham-Chapel Hill, NC MSA  
 6680 Reading, PA MSA  
 6720 Reno, NV MSA  
 6760 Richmond-Petersburg, VA MSA  
 6780 Riverside-San Bernardino, CA PMSA  
 6800 Roanoke, VA MSA  
 6840 Rochester, NY MSA  
 6880 Rockford, IL MSA  
 6920 Sacramento, CA PMSA  
 6960 Saginaw-Bay City-Midland, MI MSA  
 7040 St. Louis, MO-IL MSA (Crawford County, MO [part] not in sample)  
 7080 Salem, OR PMSA  
 7120 Salinas, CA MSA  
 7160 Salt Lake City-Ogden, UT MSA  
 7240 San Antonio, TX MSA  
 7320 San Diego, CA MSA  
 7360 San Francisco, CA PMSA  
 7400 San Jose, CA PMSA  
 7460 San Luis Obispo-Atascadero-Paso Robles, CA MSA  
 7480 Santa Barbara-Santa Maria-Lompoc, CA MSA  
 7490 Santa Fe, NM MSA  
 7500 Santa Rosa, CA PMSA  
 7510 Sarasota-Bradenton, FL MSA  
 7560 Scranton-Wilkes Barre-Hazleton, PA MSA  
 7600 Seattle-Bellevue-Everett, WA PMSA  
 7680 Shreveport-Bossier City, LA MSA  
 7760 Sioux Falls, SD MSA (Central City portion only identified)  
 7800 South Bend, IN MSA  
 7840 Spokane, WA MSA  
 7880 Springfield, IL MSA  
 7920 Springfield, MO MSA (Webster County not in sample)  
 8000 Springfield, MA MSA  
 8040 Stamford-Norwalk, CT PMSA  
 8120 Stockton-Lodi, CA MSA  
 8160 Syracuse, NY MSA (Cayuga County not in sample)  
 8200 Tacoma, WA PMSA  
 8240 Tallahassee, FL MSA

8280 Tampa-St. Petersburg-Clearwater, FL MSA  
8400 Toledo, OH MSA  
8440 Topeka, KS MSA (Central City portion only identified)  
8480 Trenton, NJ PMSA  
8520 Tucson, AZ MSA  
8560 Tulsa, OK MSA  
8600 Tuscaloosa, AL MSA  
8680 Utica-Rome, NY MSA  
8720 Vallejo-Fairfield-Napa, CA PMSA  
8735 Ventura, CA PMSA  
8760 Vineland-Millville-Bridgeton, NJ PMSA  
8780 Visalia-Tulare-Porterville, CA MSA  
8800 Waco, TX MSA  
8840 Washington, DC-MD-VA-WV PMSA (West Virginia portion not identified)  
8880 Waterbury, CT PMSA  
8920 Waterloo-Cedar Falls, IA MSA  
8960 West Palm Beach-Boca Raton, FL MSA  
9000 Wheeling, WV-OH MSA (Ohio portion not identified)  
9040 Wichita, KS MSA  
9160 Wilmington-Newark, DE-MD PMSA (Maryland portion suppressed)  
9200 Wilmington, NC MSA (Brunswick County not in sample)  
9240 Worcester, MA-CT PMSA (Connecticut portion suppressed)  
9270 Yolo, CA PMSA  
9280 York, PA MSA  
9320 Youngstown-Warren, OH MSA  
9340 Yuba City, CA MSA  
9360 Yuma, AZ MSA  
End of msafips codes for 1995+

<b>st 5: CMSA CODES (CMSACODE) (HG-CMSA) FIPS CODE</b>	
<b>(HG-CMSA)</b>	<b>CMSA TITLE</b>
<b>Used in the CPS through 1994</b>	
<b>7</b>	<b>Boston-Lawrence-Salem, MA-NH</b>
<b>10</b>	<b>Buffalo-Niagara Falls, NY</b>
<b>14</b>	<b>Chicago-Gary-Lake County, IL-IN-WI Wisconsin portion not in sample)</b>
<b>21</b>	<b>Cincinnati-Hamilton, OH-KY-IN (Indiana portion not identified)</b>
<b>28</b>	<b>Cleveland-Akron-Lorain, OH</b>
<b>31</b>	<b>Dallas-Fort Worth, TX</b>
<b>34</b>	<b>Denver-Boulder, CO</b>
<b>35</b>	<b>Detroit-Ann Arbor, MI</b>
<b>41</b>	<b>Hartford-New Britain-Middletown, CT</b>
<b>42</b>	<b>Houston-Galveston-Brazoria, TX</b>
<b>47</b>	<b>Kansas City, MO-KS</b>
<b>56</b>	<b>Miami-Fort Lauderdale, FL</b>
<b>63</b>	<b>Milwaukee-Racine, WI</b>
<b>70</b>	<b>New York-Northern New Jersey-Long Island, NY-NJ-CT</b>
<b>77</b>	<b>Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD (Maryland portion suppressed)</b>
<b>78</b>	<b>Pittsburgh-Beaver Valley, PA</b>
<b>79</b>	<b>Portland-Vancouver, OR-WA</b>

80	Providence- Pawtucket-Fall River, RI-MA
91	Seattle -Tacoma, WA
Used in the CPS 1995+	
7	Boston -Worcester-Lawrence, MA-NH-ME-CT
14	Chicago-Gary-Kenosha, IL-IN-WI (Kenosha, WI and Kankakee, IL PMSAs not in sample
21	Cincinnati-Hamilton, OH-KY-IN
28	Cleveland-Akron, OH
31	Dallas-Fort Worth, TX
34	Denver-Boulder-Greeley, CO
35	Detroit-Ann Arbor-Flint , MI
42	Houston - Galveston - Brazoria, TX
49	Los Angeles- Riverside -Orange Country, CA
56	Miami- Fort Lauderdale, FL
63	Milwaukee-Racine, WI
70	New York-Northern New Jersey - Long Island, NY-NJ-CT-PA
77	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD
79	Portland-Salem , OR-WA
82	Sacramento-Yolo ,CA
84	San-Francisco- Oakland-San Jose, CA (Santa Cruz-Watsonville, CA PMSA not in sample)
91	Seattle-Tacoma-Bremerton , WA (Bremerton , WA PMSA not in sample)
97	Washington-Baltimore, DC-MD-VA-WV

Appendix H

Nativity Codes from the February 1994 Current Population Survey Technical Documentation(attachment 16)

Items **PENATVTY**, **PEMNTVTY**, and **PEFNTVTY**, which deal with country of birth, all have the same answer categories. These items are located in positions 163-171 on the basic CPS record layout. The values for each 3-digit code are shown below.

057	United States
072	Puerto Rico
096	Outlying Area of U.S. (Guam, Virgin Islands, etc.)
109	France
110	Germany

116	Greece
117	Hungary
119	Ireland/Eire
120	Italy
128	Poland
129	Portugal
139	England
140	Scotland
147	Yugoslavia
192	Russia
206	Cambodia
207	China

209	Hong Kong
210	India
212	Iran
215	Japan
218	South Korea
221	Laos
231	Philippines
238	Taiwan
239	Thailand
242	Vietnam
301	Canada
312	El Salvador
313	Guatemala
314	Honduras
315	Mexico
316	Nicaragua
337	Cuba
339	Dominican Republic
342	Haiti
343	Jamaica
351	Trinidad & Tobago
379	Colombia
380	Ecuador
383	Guyana
385	Peru
555	Other