

## APPENDIX I

### Historical Series—Index to Tables in Which *Historical Statistics* Series Appear

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*]

Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number
<b>A</b>		<b>C</b>		<b>F—Con.</b>		<b>H—Con.</b>	
A 6-8 .....	2	C 1-10 .....	47	F 17-30 .....	729	H 420 .....	246
A 9-22 .....	7	C 25-75 .....	30	F 31 .....	727	H 421-429 .....	220
A 23-25 .....	34	C 76-78 .....	1193	F 32-70 .....	724	H 442-476 .....	229
A 29-41 .....	34	C 89 .....	131	F 130-143 .....	731	H 487-507 .....	246
A 43-72 .....	17	C 89-119 .....	134	F 144-162 .....	732	H 513-519 .....	221
A 73-90 .....	18	C 120-142 .....	132	F 163-185 .....	734	H 520-530 .....	246
A 91-104 .....	44	C 143-157 .....	133	F 192-209 .....	735	H 531-534 .....	259
A 105-118 .....	46	C 144 .....	141	F 225-237 .....	736	H 535-544 .....	250
A 119-134 .....	39	C 149-157 .....	145	F 262-286 .....	738	H 572-581 .....	298
A 135-142 .....	46	C 158-160 .....	141	F 297-348 .....	739	H 587-597 .....	266
A 143-149 .....	31	C 162-167 .....	149	F 349-378 .....	780	H 598-601 .....	271
A 158-159 .....	123	C 168 .....	148	F 422-469 .....	790	H 602-617 .....	238
A 160-171 .....	9	C 169-179 .....	150	F 480-527 .....	936	H 669-688 .....	240
A 172 .....	5	C 180 .....	148	F 528-534 .....	1402	H 689 .....	218
A 195-198 .....	9	C 195-295 .....	48	F 552-565 .....	742	H 690-692 .....	275
A 197-198 .....	43	C 296-331 .....	429	F 566-594 .....	743	H 699-705 .....	273
A 199-201 .....	42					H 705 .....	275
A 204-209 .....	35	<b>D</b>		<b>G</b>		H 710 .....	273
A 210-263 .....	354	D 1-19 .....	655	G 1-8 .....	744	H 716-738 .....	288
A 264-275 .....	24	D 20-41 .....	653	G 16-23 .....	744	H 747-749 .....	288
A 276-287 .....	62	D 49-62 .....	668	G 24-30 .....	762	H 752-756 .....	271
A 288-319 .....	66	D 63-74 .....	671	G 85-102 .....	752	H 767-771 .....	1084
A 320-334 .....	64	D 85-86 .....	655	G 124-129 .....	752	H 774 .....	1084
A 335-349 .....	67	D 87-101 .....	682	G 179-189 .....	751	H 776-780 .....	1084
A 353-358 .....	79	D 116-126 .....	688	G 190-192 .....	744	H 793-799 .....	82
A 359-371 .....		D 127-141 .....	689	G 193-195 .....	762	H 806-828 .....	404
		D 142-151 .....	692	G 197-199 .....	744	H 829-835 .....	407
<b>B</b>		D 182-232 .....	696	G 200-202 .....	762	H 836-848 .....	408
B 1-5 .....	85	D 233-682 .....	697	G 205-256 .....	753	H 849-861 .....	410
B 5-7 .....	86	D 689-704 .....	693	G 257-268 .....	767	H 862-864 .....	413
B 11 .....	88	D 802-810 .....	692	G 416-489 .....	733	H 865-870 .....	417
B 20-27 .....	95	D 818-829 .....	708	G 851-856 .....	212	H 871 .....	413
B 28-35 .....	97	D 877-892 .....	692	G 881-915 .....	211	H 872 .....	417
B 49-66 .....	106	D 913 .....	286			H 874 .....	413
B 107-115 .....	114	D 918-919 .....	172	<b>H</b>		H 875-878 .....	414
B 116-125 .....	107	D 921-926 .....	626	H 1-47 .....	531	H 877 .....	413
B 136-147 .....	85	D 933-934 .....	714	H 51-56 .....	538	H 878-893 .....	411
B 142 .....	116	D 946-951 .....	714	H 57-89 .....	541	H 899-920 .....	426
B 149-166 .....	121	D 970-976 .....	718	H 70-114 .....	559	H 921-940 .....	428
B 163-165 .....	110	D 977-1021 .....	720	H 115-124 .....	560	H 946-951 .....	427
B 167-173 .....	110	D 1022-1028 .....	677	H 125-171 .....	539	H 952-961 .....	302
B 181-192 .....	123			H 172-185 .....	540	H 971-986 .....	310
B 214-220 .....	153	<b>E</b>		H 186-196 .....	538	H 987-998 .....	317
B 221-235 .....	154	E 1-22 .....	796	H 197-229 .....	547	H 999-1011 .....	320
B 222-232 .....	152	E 23-29 .....	800	H 238-242 .....	546	H 1012-1027 .....	324
B 248-261 .....	159	E 73-86 .....	799	H 245-259 .....	549	H 1028-1062 .....	329
B 262-272 .....	166	E 123-134 .....	802	H 262-270 .....	551	H 1063-1078 .....	331
B 275-290 .....	200	E 135-173 .....	806	H 271-286 .....	553	H 1079-1096 .....	332
B 291-303 .....	178	E 203-211 .....	820	H 287-304 .....	555	H 1097-1111 .....	333
B 305-318 .....	178			H 305-317 .....	566	H 1112-1118 .....	335
B 331-344 .....	181	<b>F</b>		H 332-345 .....	568	H 1119-1124 .....	340
B 359-362 .....	179	F 1 .....	730	H 346-354 .....	571	H 1135-1140 .....	342
B 384-387 .....	161	F 5 .....	725	H 355-367 .....	570	H 1155-1167 .....	351
B 399-400 .....	180	F 6-9 .....	732	H 392-397 .....	558	<b>J</b>	
B 401-412 .....	190	F 10-16 .....	726	H 398-411 .....	589	J 1-2 .....	353
B 413-422 .....				H 413-417 .....	218	J 3-6 .....	394

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<b>J—Con.</b>		<b>L—Con.</b>		<b>N—Con.</b>		<b>Q—Con.</b>	
J 8.....	401	L 169-170.....	1306	N 273.....	893	Q 577-590.....	1160
J 10-15.....	400	L 172, 174.....	1304	N 276.....	893	Q 591-603.....	1156
J 16-19.....	403	L 175.....	1307	N 291-297.....	1429	Q 604-623.....	1157
J 26-32.....	400	L 176-177.....	1308	N 300.....	888	Q 624-633.....	1160
J 33-34.....	1288	L 178-191.....	1304	N 302-307.....	1427		
J 41-42.....	402	L 192-198.....	1305			<b>R</b>	
J 50-65.....	1212	L 199-205.....	1296	<b>P</b>		R 1-16.....	986
J 66.....	395	L 206-210.....	1295	P 1-12.....	1434	R 17-30.....	983
J 71.....	395	L 212-223.....	1297	P 13.....	1436	R 31-45.....	985
J 76.....	395	L 224-226.....	1309	P 18-39.....	1436	R 46-70.....	984
J 85-91.....	1213	L 227-228.....	1325	P 58-67.....	1451	R 71-74.....	989
J 92-103.....	360	L 229.....	1309	P 74-92.....	1440	R 75-88.....	984
J 110-136.....	382	L 230-235.....	1325	P 93-106.....	966	R 89-92.....	989
J 164-267.....	382	L 236-253.....	1311	P 107-122.....	1444	R 106-122.....	983
J 268-278.....	380	L 254-261.....	1310	P 177-180.....	1454	R 123-139.....	982
		L 262-293.....	1321	P 205-211.....	1441	R 140-146.....	990
<b>K</b>		L 294-304.....	1317	P 227.....	1456	R 163-171.....	977
K 1-3.....	1193	L 305-310.....	1313	P 228.....	1461	R 172-186.....	980
K 4-7.....	1195	L 312-318.....	1326	P 229-230.....	1459	R 187.....	982
K 16.....	1216	L 321-337.....	1316	P 233-234.....	1276	R 188-191.....	981
K 17-81.....	1199	L 338-358.....	1323	P 235.....	1457	R 191-216.....	1012
K 82-113.....	1201	L 362-365.....	1324	P 236a.....	1457	R 218-223.....	1007
K 109-153.....	1204			P 239-241.....	1458	R 224-231.....	1006
K 162-173.....	1206	<b>M</b>		P 242-243.....	1463	R 232-243.....	1004
K 174-181.....	1240	M 1-12.....	1338	P 246-249.....	1467	R 244-257.....	1008
K 184-191.....	1237	M 13-37.....	1339	P 251.....	1467		
K 192.....	1222	M 38-53.....	1331	P 260-261.....	1464	<b>S</b>	
K 193.....	1239	M 54-67.....	1329	P 265-269.....	1473	S 1-14.....	1024
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K 589-590.....	1460	M 231-234.....	1378	Q 301-305.....	1143		
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K 564-569.....	1278	M 242-248.....	1372	Q 319.....	1146	U 1-25.....	1522
K 575-582.....	1280	M 249-250.....	1382	Q 330.....	1140	U 26-39.....	1525
K 583-594.....	1279	M 256-257.....	1383	Q 332.....	1149	U 41-46.....	1529
K 595-608.....	1282	M 258-262.....	1384	Q 356-363.....	1140	U 47-74.....	1528
K 609-623.....	1284	M 266-267.....	1381	Q 449-458.....	1185	U 75-186.....	1531
K 611.....	1285	M 268-269.....	1374	Q 467-472.....	1186	U 180-195.....	1536
K 614.....	1285	M 271-286.....	1343	Q 473-480.....	1191	U 207-212.....	1546
K 617.....	1285	M 287-306.....	1342	Q 487-502.....	1184	U 225-246.....	1539
K 621.....	1285			Q 507-517.....	1179	U 249-263.....	1540
		<b>N</b>		Q 524-529.....	1177	U 264-273.....	1547
<b>L</b>		N 1-29.....	1385	Q 530-541.....	1170	U 274-294.....	1544
L 10-14.....	1286	N 30-60.....	1386	Q 553-555.....	1181	U 295-316.....	1545
L 15-31.....	1288	N 66-69.....	1385	Q 576.....	1164	U 317-352.....	1541
L 32-43.....	1292	N 78-100.....	1388				
L 44-55.....	1291	N 118-137.....	1391				
L 72-86.....	1293	N 140-155.....	1392				
L 87-97.....	1294	N 156-163.....	1397				
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L 113-121.....	1299	N 186-191.....	1419				
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V 137 .....	462	X 192 .....	862	X 890-907 .....	915	Y 343-351 .....	434
V 141-166 .....	946	X 229 .....	862	X 908-917 .....	917	Y 358-373 .....	446
V 167-183 .....	950	X 410-417 .....	902	X 918 .....	923	Y 381-392 .....	461
V 182-196 .....	462	X 423 .....	899	X 923 .....	923	Y 393-411 .....	449
V 197-212 .....	1049	X 444-453 .....	903	X 928 .....	923	Y 412-439 .....	454
V 306-332 .....	940	X 454-455 .....	904	X 933 .....	923	Y 458-460 .....	596
		X 474-491 .....	907	X 940 .....	923	Y 461 .....	463
W		X 492-498 .....	909	X 957-962 .....	921	Y 466-487 .....	436
W 14 .....	695	X 499-500 .....	910			Y 493-494 .....	463
W 17 .....	695	X 505-506 .....	910			Y 497 .....	464
W 19 .....	695	X 517-530 .....	908	Y		Y 500-504 .....	464
W 22-25 .....	695	X 536-539 .....	912	Y 79-83 .....	825	Y 505-637 .....	485
W 30-54 .....	693	X 551-560 .....	894	Y 84-134 .....	826	Y 638-651 .....	490
W 62-65 .....	695	X 588-608 .....	879	Y 135-186 .....	827	Y 652-848 .....	485
W 67-81 .....	1243	X 687-688 .....	887	Y 189-198 .....	839	Y 856-903 .....	620
W 82-95 .....	1010	X 716-724 .....	874	Y 199-203 .....	840	Y 904-916 .....	612
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## APPENDIX II

### Metropolitan Area Concepts and Components

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Federal Statistical Policy and Standards (OFSPS) as standard metropolitan statistical areas (SMSA's). Definitions of the SMSA's in terms of their geographic components are presented in Office of Management and Budget (OMB), *Standard Metropolitan Statistical Areas*, 1975, Revised Edition. OFSPS issues amendments to update this publication when changes in SMSA definitions are made.

The list of areas, their components, and population totals, which follows (see p. 946), is based on the SMSA definitions in effect on Dec. 31, 1979. On that date, there were 288 SMSA's (including 4 in Puerto Rico). The figures in tables A, B, and C below (see p. 944), exclude the four areas in Puerto Rico, as do most of the tables in this report.

The general concept of a metropolitan area is one of an integrated economic and social unit with a large population nucleus. Standard definitions of metropolitan statistical areas were first issued by the then Bureau of the Budget (predecessor of OMB) in 1949, under the designation "Standard Metropolitan Areas"; the present designation was adopted in 1959. In October 1977, OFSPS was transferred to the U.S. Department of Commerce.

The criteria for the establishment and definition of SMSA's have undergone several modifications since 1949. The current criteria were adopted in March 1976; they provide that each SMSA must include at least:

- (a) One city with 50,000 or more inhabitants, or
- (b) A city with at least 25,000 inhabitants, which, together with contiguous places (incorporated or unincorporated) having population densities of at least 1,000 persons per square mile, has a combined population of 50,000 and constitutes for general economic and social purposes a single community, provided that the county or counties in which the city and contiguous places are located has a total population of at least 75,000. (In New England, the cities and towns qualifying for inclusion in an SMSA must have a total population of at least 75,000.)

In addition to the central city or cities, the criteria provide that the SMSA include the county in which the central city is located, and adjacent counties that are determined to be metropolitan in character and economically and socially integrated with the county of the central city, according to specific rules. (In New England, as noted below, the units comprising the area are cities and towns rather than counties.) The largest city in each SMSA is designated a "central city" (except the Nassau-Suffolk, N.Y., SMSA which has no central city); in addition, there may be up to two additional central cities if certain criteria are met. With two exceptions (Nassau-Suffolk, N.Y. and Northeast, Pennsylvania), the title of each SMSA includes the names of its central city or cities. An SMSA may include other cities of 50,000 or more besides its central cities, and may include territory in more than one State.

Recent editions (1967-1975) of the *Abstract* have included a section entitled "Metropolitan Area Statistics," which presented numerous items of statistical information for SMSA's. In its place, a much more comprehensive *State and Metropolitan Area Data Book* will be issued on a biennial basis; the first issue is scheduled for release in 1980.

**New England SMSA's and NECMA's.** Because SMSA's in New England are defined in terms of cities and towns, rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England SMSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and SMSA's wherever possible. The NECMA's provide a county version of the New England areas defined following

criteria adopted by OMB in March 1976 which are identical to those used to define SMSA's in the other States. NECMA's do not replace New England SMSA's as the standard areas.

**Standard Consolidated Statistical Areas.**—Standard consolidated statistical areas (SCSA's), defined under criteria adopted by OMB in August 1975, include two or more contiguous SMSA's which meet certain criteria of size, urban character, integration, and contiguity of urbanized areas.

**Effect of changes in SMSA definitions.**—Changes in the definitions of SMSA's since 1949 have included the recognition of new areas as, for example, cities reached 50,000 population, and large counties (or towns in New England) were added to existing SMSA's. Also, several formerly separate SMSA's have been merged, and occasionally territory has been transferred from one SMSA to another or (in rare instances) from an SMSA to nonmetropolitan territory. Comparisons of SMSA figures over time may be affected in cases where the SMSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume, where possible, to reflect the SMSA boundaries of the more recent period. However, this could not always be done. For data based on a sample survey, in particular, it is usually not possible to reflect changes in SMSA definitions that occurred after the survey was made.

In the three tables that follow, data are given for SMSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1977

[The differences in population shown here for each year in the successive columns of the table result entirely from net expansion of metropolitan territory through changes in the SMSA definitions. The differences in population shown for each SMSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in SMSA definitions. The changes in 1970 land area result entirely from net expansion of SMSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the SMSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included subtractions from, as well as additions to, SMSA territory. Census population data do not include corrections made since publication; therefore, data will not strictly agree with those shown in other tables of this *Abstract*. The area data for the 1950 and 1960 census definitions of SMSA's differ from the data published in those censuses because they are based on a remeasurement of land areas made during the 1960's, and also reflect changes in inland water area occurring up to 1970]

SMSA DEFINITION AS OF—	Number of SMSA's	POPULATION (1,000)						Land area, 1970 (1,000 sq. mi.)
		1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952).....	169	<sup>1</sup> 69,535	<sup>2</sup> 84,854	106,345	122,132	124,644	125,549	207
1960 census (Nov. 1960).....	212	<sup>3</sup> 72,845	89,317	<sup>4</sup> 112,885	130,925	134,839	136,168	310
1964 (Aug. 31) <sup>5</sup> .....	217	74,869	91,644	115,876	134,639	139,005	140,499	350
1968 (Jan. 31) <sup>6</sup> .....	280	76,408	93,630	118,414	137,915	142,728	144,360	378
1970 census (Feb. 28, 1971) ..	243	77,155	94,579	<sup>7</sup> 119,593	<sup>8</sup> 139,419	144,373	146,064	<sup>9</sup> 388
1974 (Apr. 30) <sup>10</sup> .....	265	<sup>11</sup> 82,038	<sup>12</sup> 100,220	<sup>13</sup> 126,614	148,132	154,214	156,232	491
1977 (Dec. 31).....	277	82,805	101,109	127,675	149,414	155,651	157,744	510
1979 (Dec. 31).....	284	83,143	101,515	128,187	150,007	156,283	158,406	527

<sup>1</sup> Corresponds to total 1940 population for 1950 SMSA's published in 1950 census (69,279,675), with addition of Honolulu SMSA, and corrected by subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA.

<sup>2</sup> Corresponds to total SMSA population for 1950 published in 1950 census (84,500,680), plus Honolulu SMSA.

<sup>3</sup> Corresponds to total 1940 population for 1960 SMSA's published in 1960 census (72,834,468), corrected by adding population (13,277) erroneously omitted from Stamford SMSA (remainder of Stamford town), and subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA.

<sup>4</sup> Corresponds to total SMSA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus SMSA).

<sup>5</sup> SMSA's as defined for the 1963 economic censuses. <sup>6</sup> SMSA's as defined for the 1967 economic censuses. <sup>7</sup> Corresponds to total 1960 population for 1970 SMSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill SMSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals.

<sup>8</sup> Corresponds to total SMSA land area published in 1970 census (387,616 square miles), corrected by subtracting 15 square miles erroneously included in Roanoke SMSA and 3 square miles included due to erroneous addition of area data.

<sup>9</sup> SMSA's as defined for the 1972 economic censuses. <sup>10</sup> Includes estimated 1939 population (4,429) of Anchorage Census Division, as defined in 1970. <sup>11</sup> Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970. <sup>12</sup> Includes estimated 1960 population (82,833) of Anchorage Census Division, as defined in 1970.

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AT SPECIFIED DATES: 1940 TO 1977

[See headnote for table A, p. 944. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within SMSA's at the dates specified]

NONMETROPOLITAN POPULATION AS OF—	POPULATION (1,000)						Land area, 1970 (1,000 sq. mi.)
	1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952) .....	62,630	66,472	72,979	81,080	88,530	90,988	3,329
1960 census (Nov. 1960) .....	59,320	62,009	66,438	72,287	78,336	80,370	3,227
1964 (Aug. 31) .....	57,295	59,682	63,447	68,573	74,169	76,038	3,187
1968 (Jan. 31) .....	55,756	57,696	60,910	65,297	70,446	72,177	3,159
1970 census (Feb. 28, 1971) .....	55,010	56,747	59,730	63,793	68,801	70,473	3,149
1974 (Apr. 30) .....	50,127	51,016	52,709	55,080	58,961	60,305	3,046
1977 (Dec. 31) .....	49,360	50,217	51,648	53,798	57,523	58,794	3,026
1978 (Dec. 31) .....	49,246	50,078	51,464	53,590	57,305	58,570	3,019
1979 (Dec. 31) .....	49,021	49,811	51,136	53,205	56,892	58,131	3,010

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1977

[See headnote for table A, p. 944.]

PERCENT AS OF —	PERCENT OF POPULATION						Land area, 1970
	1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952) .....	52.6	56.1	59.3	60.1	58.5	58.0	5.9
1960 census (Nov. 1960) .....	55.1	59.0	63.0	64.4	63.3	62.9	8.8
1964 (Aug. 31) .....	56.6	60.6	64.6	60.3	65.2	64.9	9.9
1968 (Jan. 31) .....	57.8	61.9	66.0	67.9	67.0	66.7	10.7
1970 census (Feb. 28, 1971) .....	58.4	62.5	66.7	68.0	67.7	67.5	11.0
1974 (Apr. 30) .....	62.1	66.2	70.6	72.9	72.3	72.2	13.9
1977 (Dec. 31) .....	62.7	66.8	71.2	73.5	73.0	72.8	14.4
1978 (Dec. 31) .....	62.7	66.9	71.3	73.6	73.1	73.0	14.6
1979 (Dec. 31) .....	62.9	67.1	71.5	73.8	73.3	73.2	14.9

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

## APPENDIX II

### Standard Metropolitan Statistical Areas as of December 31, 1979

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
Ablene, Tex .....	132	Atlanta, Ga .....	1,852	Binghamton, N.Y.-Pa .....	303
Callahan County .....	10	Butts County .....	13	Broome County, N.Y. ....	218
Jones County .....	16	Cherokee County .....	42	Tioga County, N.Y. ....	50
Taylor County .....	105	Clayton County .....	137	Susquehanna County, Pa .....	36
Akron, Ohio .....	657	Cobb County .....	259		
Portage County .....	133	De Kalb County .....	460	Birmingham, Ala .....	818
Summit County .....	524	Douglas County .....	49	Jefferson County .....	657
		Fayette County .....	24	St. Clair County .....	37
		Forsyth County .....	23	Shelby County .....	58
Albany, Ga .....	105	Fulton County .....	561	Walker County .....	66
Dougherty County .....	95	Gwinnett County .....	137		
Lee County .....	10	Henry County .....	30	Bismark, N.D .....	76
		Newton County .....	33	Burling County .....	52
Albany-Schenectady-Troy, N.Y. ....	792	Paulding County .....	23	Norton County .....	24
Albany County .....	285	Rockdale County .....	32		
Montgomery County .....	55	Walton County .....	29	Bloomington, Ind .....	92
Rensselaer County .....	150			Monroe County .....	92
Saratoga County .....	148				
Schenectady County .....	154			Bloomington-Normal, Ill .....	119
				McLean County .....	119
Albuquerque, N. Mex .....	409	Atlantic City, N.J .....	190		
Bernalillo County .....	384	Atlantic County .....	190	Bloomington-Normal, Ill .....	119
Sandoval County .....	25				
				Boise City, Idaho .....	153
Allexandria, La .....	140	Augusta, Ga.-S.C .....	291	Ada County .....	153
Grant Parish .....	15	Columbia County, Ga .....	34		
Rapides Parish .....	125	Richmond County, Ga .....	158		
		Aiken County, S.C. ....	99	Boston, Mass .....	2,835
Allentown-Bethlehem-Easton, Pa.-N.J. ....	628			Essex County (pt.) .....	329
Carbon County, Pa .....	52	Austin, Tex .....	478	Middlesex County (pt.) .....	1,051
Lehigh County, Pa .....	264	Hays County .....	35	Norfolk County (pt.) .....	611
Northampton County, Pa .....	226	Travis County .....	385	Plymouth County (pt.) .....	162
Warren County, N.J. ....	84	Williamson County .....	58	Suffolk County .....	683
Altoona, Pa .....	134	Bakersfield, Calif .....	365	(See also Boston NECMA, p. 952.)	
Blair County .....	134	Kern County .....	365		
				Bradenton, Fla .....	129
Amarillo, Tex .....	158	Baltimore, Md .....	2,145	Manatee County .....	129
Potter County .....	92	Baltimore city .....	790		
Randall County .....	66	Anne Arundel County .....	361	Bridgeport, Conn .....	394
		Baltimore County .....	639	Fairfield County (pt.) .....	332
		Carroll County .....	93	New Haven County (pt.) .....	62
		Harford County .....	146		
		Howard County .....	117	(See also Bridgeport NECMA, p. 952.)	
Anaheim-Santa Ana-Garden Grove, Calif .....	1,833	Baton Rouge, La .....	445		
Orange County .....	1,833	Ascension Parish .....	44	Bristol, Conn .....	74
		East Baton Rouge Parish .....	332	Hartford County (pt.) .....	63
		Livingston Parish .....	50	Litchfield County (pt.) .....	11
		West Baton Rouge Parish .....	18	(See also Hartford NECMA, p. 952.)	
Anchorage, Alaska .....	180				
Anchorage Census Div .....	180	Battle Creek, Mich .....	184	Brockton, Mass .....	164
		Barry County .....	43	Bristol County (pt.) .....	16
		Calhoun County .....	141	Norfolk County (pt.) .....	5
Anderson, Ind .....	138			Plymouth County (pt.) .....	144
Madison County .....	138	Bay City, Mich .....	122	(See also Boston NECMA, p. 952.)	
		Bay County .....	122		
Ann Arbor, Mich .....	255			Brownsville-Harlingen- San Benito, Tex .....	177
Washtenaw County .....	255	Beaumont-Port Arthur-Orange, Tex .....	364	Cameron County .....	177
		Hardin County .....	38		
Annniston, Ala .....	117	Jefferson County .....	245	Bryan-College Station, Tex .....	76
Calhoun County .....	117	Orange County .....	81	Brazos County .....	76
Appleton-Oshkosh, Wis .....	291	Billings, Mont .....	104		
Calumet County .....	29	Yellowstone County .....	104		
Outagamie County .....	128				
Winnebago County .....	133				
Asheville, N.C .....	172	Biloxi-Gulfport, Miss .....	176		
Buncombe County .....	154	Hancock County .....	20		
Madison County .....	17	Harrison County .....	148		
		Stone County .....	8		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Buffalo, N.Y.</b> .....	1,303	<b>Columbus, Ohio</b> .....	1,089	<b>El Paso, Tex.</b> .....	443
Erie County.....	1,066	Delaware County.....	53	El Paso County.....	443
Niagara County.....	237	Fairfield County.....	89		
<b>Burlington, N.C.</b> .....	98	Franklin County.....	871	<b>Elkhart, Ind.</b> .....	136
Alamance County.....	98	Madison County.....	32	Elkhart County.....	136
		Pickaway County.....	44		
<b>Canton, Ohio</b> .....	404	<b>Corpus Christi, Tex.</b> .....	302	<b>Elmira, N.Y.</b> .....	98
Carroll County.....	26	Nueces County.....	249	Chemung County.....	98
Stark County.....	378	San Patricio County.....	53		
<b>Cedar Rapids, Iowa</b> .....	167	<b>Dallas-Fort Worth, Tex.</b> .....	2,720	<b>Enid, Okla.</b> .....	63
Linn County.....	167	Collin County.....	110	Garfield County.....	63
<b>Champaign-Urbana-Rantoul, Ill.</b> .....	164	Dallas County.....	1,484		
Champaign County.....	164	Denton County.....	104	<b>Erie, Pa.</b> .....	269
		Ellis County.....	54	Erie County.....	269
<b>Charlestown-North</b> .....		Hood County.....	12		
<b>Charleston, S.C.</b> .....	389	Johnson County.....	60	<b>Eugene-Springfield, Oreg.</b> .....	258
Berkeley County.....	76	Kaufman County.....	36	Lane County.....	258
Charlestown County.....	261	Parker County.....	37		
Dorchester County.....	52	Rockwall County.....	11	<b>Evansville, Ind.-Ky.</b> .....	295
		Tarrant County.....	790	Gibson County, Ind.....	32
<b>Charleston, W. Va.</b> .....	261	Wise County.....	23	Posey County, Ind.....	24
Kanawha County.....	227			Vanderburgh County, Ind.....	163
Putnam County.....	34	<b>Danbury, Conn.</b> .....	142	Warrick County, Ind.....	38
		Fairfield County (pt.).....	124	Henderson County, Ky.....	39
<b>Charlotte-Gastonia, N.C.</b> .....	606	Litchfield County (pt.).....	19		
Gaston County.....	156	(See also Bridgeport NECMA,		<b>Fall River, Mass.-R.I.</b> .....	183
Mecklenburg County.....	385	p. 952.)		Bristol County, Mass. (pt.).....	152
Union County.....	65			Newport County, R.I. (pt.).....	32
				(See also New Bedford	
<b>Chattanooga, Tenn.-Ga.</b> .....	401	<b>Davenport-Rock Island-Moline,</b>		NECMA, p. 952.)	
Hamilton County, Tenn.....	270	<b>Iowa-Ill.</b> .....	374		
Marion County, Tenn.....	23	Scott County, Iowa.....	156	<b>Fargo-Moorhead, N. Dak.-Minn.</b> .....	132
Sequatchie County, Tenn.....	8	Henry County, Ill.....	57	Cass County, N. Dak.....	85
Catoosa County, Ga.....	36	Rock Island County, Ill.....	162	Clay County, Minn.....	48
Dade County, Ga.....	12				
Walker County, Ga.....	53	<b>Dayton, Ohio</b> .....	834	<b>Fayetteville, N.C.</b> .....	233
		Greene County.....	129	Cumberland County.....	233
<b>Chicago, Ill.</b> .....	7,030	Miami County.....	88		
Cook County.....	5,270	Montgomery County.....	580	<b>Fayetteville-Springdale, Ark.</b> .....	161
Du Page County.....	599	Preble County.....	37	Benton County.....	66
Kane County.....	277			Washington County.....	94
Lake County.....	429	<b>Daytona Beach, Fla.</b> .....	218		
McHenry County.....	140	Volusia County.....	218	<b>Fitchburg-Leominster, Mass.</b> .....	96
Will County.....	315			Middlesex County (pt.).....	10
		<b>Decatur, Ill.</b> .....	128	Worcester County (pt.).....	85
<b>Cincinnati, Ohio-Ky.-Ind.</b> .....	1,389	Macon County.....	128	(See also Worcester	
Clermont County, Ohio.....	120			NECMA, p. 952.)	
Hamilton County, Ohio.....	885	<b>Denver-Boulder, Colo.</b> .....	1,505		
Warren County, Ohio.....	93	Adams County.....	234	<b>Flint, Mich.</b> .....	521
Boone County, Ky.....	42	Arapahoe County.....	254	Genesee County.....	451
Campbell County, Ky.....	84	Boulder County.....	175	Shiawassee County.....	70
Kenton County, Ky.....	132	Denver County.....	469		
Dearborn County, Ind.....	33	Douglas County.....	23	<b>Florence, Ala.</b> .....	127
		Gilpin County.....	2	Colbert County.....	50
<b>Clarksville-Hopkinsville,</b>		Jefferson County.....	349	Lauderdale County.....	77
<b>Tenn.-Ky.</b> .....	148				
Montgomery County, Tenn.....	80	<b>Des Moines, Iowa</b> .....	334	<b>Fort Collins, Colo.</b> .....	131
Christian County, Ky.....	68	Polk County.....	300	Larimer County.....	131
		Warren County.....	34		
<b>Cleveland, Ohio</b> .....	1,939	<b>Detroit, Mich.</b> .....	4,386	<b>Fort Lauderdale-Hollywood,</b>	
Cuyahoga County.....	1,542	Lapeer County.....	67	<b>Fla.</b> .....	882
Geauga County.....	73	Livingston County.....	92	Broward County.....	882
Lake County.....	212	Macomb County.....	693		
Medina County.....	112	Oakland County.....	1,009	<b>Fort Myers, Fla.</b> .....	183
		St. Clair County.....	134	Lee County.....	183
<b>Colorado Springs, Colo.</b> .....	291	Wayne County.....	2,391		
El Paso County.....	285			<b>Fort Smith, Ark.-Okla.</b> .....	190
Teller County.....	7	<b>Dubuque, Iowa</b> .....	93	Crawford County, Ark.....	33
		Dubuque County.....	93	Sebastian County, Ark.....	91
<b>Columbia, Mo.</b> .....	91			Le Flore County, Okla.....	38
Boone County.....	91	<b>Duluth-Superior, Minn.-Wis.</b> .....	266	Sequoyah County, Okla.....	29
		St. Louis County, Minn.....	221		
<b>Columbia, S.C.</b> .....	380	Douglas County, Wis.....	45	<b>Fort Wayne, Ind.</b> .....	378
Lexington County.....	131			Adam County.....	28
Richland County.....	250	<b>Durham, N.C.</b> .....		Allen County.....	291
		(See Raleigh-Durham SMSA.)		De Kalb County.....	32
<b>Columbus, Ga.-Ala.</b> .....	228			Wells County.....	25
Columbus (consolidated govt.),		<b>Eau Claire, Wis.</b> .....	126		
Ga.....	165	Chippewa County.....	51	<b>Fort Worth, Tex.</b> .....	
Chatahoochee County, Ga.....	17	Eau Claire County.....	75	(See Dallas-Forth Worth SMSA.)	
Russell County, Ala.....	47				

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.



	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
Fresno, Calif .....	479	Huntington-Ashland, W. Va.-Ky.-Ohio .....	300	Killeen-Temple, Tex .....	209
Fresno County .....	479	Cabell County, W. Va. ....	105	Bell County .....	162
Gadsden, Ala .....	99	Wayne County, W. Va. ....	41	Coryell County .....	47
Etowah County .....	99	Boyd County, Ky .....	55	Knoxville, Tenn .....	456
Gainesville, Fla .....	130	Greenup County, Ky .....	37	Anderson County .....	66
Alachua County .....	130	Lawrence County, Ohio .....	62	Blount County .....	76
Galveston-Texas City, Tex .....	198	Huntsville, Ala .....	293	Knox County .....	302
Galveston County .....	198	Limestone County .....	44	Union County .....	12
Gary-Hammond-East Ind .....	648	Madison County .....	187	Kokomo, Ind .....	104
Lake County .....	539	Marshall County .....	62	Howard County .....	88
Porter County .....	109	Indianapolis, Ind .....	1,156	Tipton County .....	16
Gastonia, N.C. (See Charlotte-Gastonia SMSA.)		Boone County .....	34	La Crosse, Wis .....	90
Grand Forks, N.D.-Minn .....	100	Hamilton County .....	79	La Crosse County .....	90
Grand Forks County, N.D. ....	65	Hancock County .....	42	Lafayette, La .....	134
Polk County, Minn. ....	35	Hendricks County .....	66	Lafayette Parish .....	134
Grand Rapids, Mich. ....	585	Johnson County .....	76	Lafayette-West Lafayette, Ind .....	115
Kent County .....	436	Marion County .....	768	Tippecanoe County .....	115
Ottawa County .....	149	Morgan County .....	51	Lake Charles, La .....	158
Great Falls, Mont .....	86	Shelby County .....	39	Calcasieu Parish .....	158
Cascade County .....	86	Iowa City, Iowa .....	78	Lakeland-Winter Haven, Fla .....	278
Greeley, Colo .....	110	Johnson County .....	78	Polk County .....	278
Weid County .....	110	Jackson, Mich .....	150	Lancaster, Pa .....	351
Green Bay, Wis .....	178	Jackson County .....	150	Lancaster County .....	351
Brown County .....	178	Jackson, Miss .....	299	Lansing-East Lansing, Mich .....	458
Greensboro-Winston-Salem- High Point, N.C. ....	779	Hinds County .....	236	Clinton County .....	55
Davidson County .....	103	Rapkin County .....	62	Eaton County .....	82
Forsyth County .....	229	Jacksonville, Fla .....	702	Ingham County .....	271
Guilford County .....	305	Baker County .....	13	Ionia County .....	50
Randolph County .....	85	Clay County .....	59	Laredo, Tex .....	86
Stokes County .....	30	Duval County .....	555	Webb County .....	86
Yadkin County .....	27	Nassau County .....	31	Las Cruces, N.M. ....	85
Greenville-Spartanburg, S.C. ....	541	St. Johns County .....	43	Dona Ana County .....	85
Greenville County .....	272	Janesville-Beloit, Wis .....	134	Las Vegas, Nev .....	377
Pickens County .....	73	Rock County .....	134	Clark County .....	377
Spartanburg County .....	197	Jersey City, N.J. ....	554	Lawrence, Kans .....	65
Hamilton-Middletown, Ohio .....	256	Hudson County .....	554	Douglas County .....	65
Butler County .....	256	Johnson City-Kingsport- Bristol, Tenn.-Va. ....	411	Lawrence-Haverhill, Mass.-N.H. ....	272
Harrisburg, Pa .....	430	Carter, Tenn .....	48	Essex County, Mass. (pt.) .....	224
Cumberland County .....	174	Hawkins, Tenn .....	39	Rockingham County, N.H. (pt.) .....	48
Dauphin County .....	222	Sullivan, Tenn .....	139	(See also Boston NECMA, p. 952.)	
Perry County .....	34	Unicoi, Tenn .....	16	Lawton, Okla .....	120
Hartford, Conn .....	726	Washington, Tenn .....	83	Comanche County .....	120
Hartford County (pt.) .....	605	Bristol, Va .....	21	Lewiston-Auburn, Maine .....	72
Litchfield County (pt.) .....	5	Scott, Va .....	25	Androscoggin County (pt.) .....	72
Middlesex County (pt.) .....	26	Washington, Va .....	42	(See also Lewiston NECMA, p. 952.)	
New London County (pt.) .....	8	Johnstown, Pa .....	265	Lexington-Fayette, Ky .....	300
Tolland County (pt.) .....	83	Cambria County .....	185	Bourbon County .....	20
(See also Hartford NECMA, p. 952.)		Somerset County .....	80	Clark County .....	27
Honolulu, Hawaii .....	720	Kalamazoo-Portage, Mich .....	270	Fayette County .....	192
Honolulu County .....	720	Kalamazoo County .....	208	Jessamine County .....	24
Houston, Tex .....	2,595	Van Buren County .....	62	Scott County .....	20
Brazoria County .....	144	Kankakee, Ill .....	97	Woodford County .....	17
Fort Bend County .....	95	Kankakee County .....	97	Lima, Ohio .....	212
Harris County .....	2,194	Kansas City, Mo.-Kans .....	1,325	Allen County .....	108
Liberty County .....	42	Cass County, Mo .....	49	Auglaize County .....	42
Montgomery County .....	105	Clay County, Mo .....	137	Putnam County .....	31
Waller County .....	16	Jackson County, Mo .....	640	Van Wert County .....	31
		Platte County, Mo .....	43		
		Ray County, Mo .....	19		
		Johnson County, Kans .....	263		
		Wyandotte County, Kans .....	174		
		Kenosha, Wis .....	124		
		Kenosha County .....	124		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Lincoln, Nebr</b> .....	186	<b>Milwaukee, Wis</b> .....	1,417	<b>New London-Norwich</b>	
Lancaster County .....	186	Milwaukee County .....	982	Conn .....	253
<b>Little Rock-North Little</b>		Ozaukee County .....	69	Middlesex County, Conn. (pt.) .....	9
<b>Rock, Ark</b> .....	376	Washington County .....	84	New London County,	
Pulaski County .....	329	Waukesha County .....	282	Conn. (pt.) .....	220
Saline County .....	47	<b>Minneapolis-St. Paul,</b>		Washington County,	
<b>Long Branch-Asbury Park,</b>		<b>Minn.-Wis</b> .....	2,063	R.I. (pt.) .....	24
<b>N.J.</b> .....	500	Anoka County, Minn. ....	200	(See also New London	
Monmouth County .....	500	Carver County, Minn. ....	36	NECMA, p. 952.)	
<b>Longview-Marshall, Tex.</b> .....	134	Chisago County, Minn. ....	24	<b>New Orleans, La</b> .....	1,141
Gregg County .....	87	Dakota County, Minn. ....	190	Jefferson Parish .....	427
Harrison County .....	47	Hennepin County, Minn. ....	910	Orleans Parish .....	559
<b>Lorain-Elyria, Ohio</b> .....	271	Ramsey County, Minn. ....	452	St. Bernard Parish .....	62
Lorain County .....	271	Scott County, Minn. ....	43	St. Tammany Parish .....	93
<b>Los Angeles-Long Beach, Calif</b>	7,081	Washington County,		<b>New York, N.Y.-N.J.</b> .....	9,222
Los Angeles County .....	7,081	Minn. ....	115	New York City, N.Y. ....	7,149
<b>Louisville, Ky.-Ind</b> .....	887	Wright County, Minn. ....	52	Bronx County, N.Y. ....	1,235
Bullitt County, Ky .....	39	St. Croix County, Wis .....	41	Kings County, N.Y. ....	2,276
Jefferson County, Ky .....	678	<b>Mobile, Ala</b> .....	435	New York County,	
Oldham County, Ky .....	24	Baldwin County .....	74	N.Y. ....	1,358
Clark County, Ind. ....	88	Mobile County .....	362	Queens County, N.Y. ....	1,942
Floyd County, Ind. ....	59	<b>Modesto, Calif</b> .....	246	Richmond County,	
<b>Lowell, Mass.-N.H.</b> .....	229	Stanislaus County .....	246	N.Y. ....	338
Middlesex County, Mass. ....	221	<b>Monroe, La</b> .....	131	Putnam County, N.Y. ....	72
Hillsborough County, N.H. ....	8	Ouachita Parish .....	131	Rockland County, N.Y. ....	259
(See also Boston		<b>Montgomery, Ala</b> .....	258	Westchester County,	
NECMA, p. 952.)		Autauga County .....	29	N.Y. ....	877
<b>Lubbock, Tex</b> .....	200	Elmore County .....	41	Bergen County, N.J. ....	865
Lubbock County .....	200	Montgomery County .....	188	<b>Newark, N.J.</b> .....	1,951
<b>Lynchburg, Va</b> .....	148	<b>Muncie, Ind</b> .....	128	Essex County .....	830
Lynchburg city .....	65	Delaware County .....	128	Morris County .....	404
Amherst County .....	28	<b>Muskegon-Norton</b>		Somerset County .....	208
Appomattox County .....	12	<b>Shores-Muskegon</b>		Union County .....	510
Campbell County .....	44	<b>Heights, Mich</b> .....	180	<b>Newport News-Hampton,</b>	
<b>Macon, Ga</b> .....	243	Muskegon County .....	159	<b>Va</b> .....	361
Bibb County .....	144	Oceana County .....	21	Hampton city .....	124
Houston County .....	75	<b>Nashua, N.H.</b> .....	111	Newport News city .....	144
Jones County .....	6	Hillsborough County		Poquoson city <sup>2</sup> .....	9
Twiggs County .....	8	(pt.) .....	111	Williamsburg city .....	11
<b>Madison, Wis</b> .....	319	(See also Manchester NECMA,		Gloucester County .....	18
Dane County .....	319	p. 952.)		James City County .....	21
<b>Manchester, N.H.</b> .....	150	<b>Nashville-Davidson, Tenn</b> .....	786	York County <sup>2</sup> .....	34
Hillsborough County (pt.) .....	103	Cheatham County .....	19	<b>Norfolk-Virginia Beach-</b>	
Merrimack County (pt.) .....	16	Davidson County .....	451	<b>Portsmouth, Va.-N.C.</b>	
Rockingham County (pt.) .....	30	Dickson County .....	28	Chesapeake city, Va. ....	800
(See also Manchester NECMA,		Robertson County .....	93	Norfolk city, Va. ....	113
p. 952.)		Rutherford County .....	77	Portsmouth city, Va. ....	280
<b>Manesfield, Ohio</b> .....	130	Sumner County .....	78	Suffolk city, Va. ....	108
Richland County .....	130	Williamson County .....	51	Virginia Beach city, Va. ....	242
<b>McAllen-Pharr-Edinburg, Tex</b>	236	Wilson County .....	50	Cumtuck County, N.C. ....	11
Hidalgo County .....	236	<b>Nassau-Suffolk, N.Y</b> .....	2,690	<b>Northeast Pennsylvania</b> .....	629
<b>Melbourne-Titusville-Cocoa,</b>		Nassau County .....	1,393	Lackawanna County .....	232
<b>Fla</b> .....	234	Suffolk County .....	1,297	Luzerne County .....	338
Brevard County .....	234	<b>New Bedford, Mass</b> .....	169	Monroe County .....	59
<b>Memphis, Tenn.-Ark.-Miss</b>	889	Bristol County .....	154	<b>Norwalk, Conn</b> .....	130
Shelby County, Tenn. ....	755	Plymouth County .....	15	Fairfield County (pt.) .....	130
Tipton County, Tenn. ....	32	(See also New Bedford		(See also Bridgeport	
Crittenden County, Ark. ....	50	NECMA, p. 952.)		NECMA, p. 952.)	
De Soto County, Miss .....	52	<b>New Britain, Conn</b> .....	136	<b>Odessa, Tex</b> .....	106
<b>Meriden, Conn</b> .....	57	Hartford County (pt.) .....	136	Ector County .....	106
New Haven County (pt.) .....	57	(See also Hartford		<b>Ogden, Utah</b>	
(See also New Haven NECMA,		NECMA, p. 952.)		(See Salt Lake City SMSA.)	
<b>Miami, Fla</b> .....	1,451	<b>New Brunswick-Perth</b>		<b>Oklahoma City, Okla</b> .....	789
Dade County .....	1,451	<b>Amboy-Sayreville, N.J.</b> .....	591	Canadian County .....	51
<b>Midland, Tex</b> .....	74	Middlesex County .....	591	Cleveland County .....	111
Midland County .....	74	<b>New Haven-West Haven,</b>		McClain County .....	21
		<b>Conn</b> .....	414	Oklahoma County .....	554
		Middlesex County (pt.) .....	11	Pottawatomie County .....	53
		New Haven County (pt.) .....	403	<b>Omaha, Nebr.-Iowa</b> .....	582
		(See also New Haven		Douglas County, Nebr. ....	410
		NECMA, p. 952.)		Sarpy County, Nebr. ....	85
				Pottawattamie County, Iowa .....	86

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.<sup>2</sup> Poquoson city became independent of York County in 1975.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Orlando, Fla.</b> .....	610	<b>Poughkeepsie, N.Y.</b> .....	233	<b>Saginaw, Mich.</b> .....	228
Orange County .....	420	Dutchess County .....	233	Saginaw County .....	228
Osceola County .....	39				
Seminole County .....	151	<b>Providence-Warwick-</b>		<b>St. Cloud, Minn.</b> .....	161
<b>Owensboro, Ky.</b> .....	81	<b>Pawtucket, R.I.-Mass.</b> .....	902	Benton County .....	23
Davies County .....	81	Bristol County, R.I. ....	46	Sherburne County .....	31
<b>Oxnard-Simi Valley-Ventura,</b>		Kent County, R.I. (pt.) ..	149	Stearns County .....	107
<b>Calif.</b> .....	485	Newport County, R.I. (pt.) ..	4		
Ventura County .....	485	Providence County, R.I. (pt.) ..	553	<b>St. Joseph, Mo.</b> .....	100
<b>Panama City, Fla.</b> .....	92	Washington County, R.I. (pt.) ..	52	Andrew County .....	14
Bay County .....	92	Bristol County, Mass. (pt.) ..	84	Buchanan County .....	86
		Norfolk County, Mass. (pt.) ..	5		
<b>Parkersburg-Marietta, W. Va.-</b>		Worcester County, Mass. (pt.) ..	8	<b>St. Louis, Mo.-Ill.</b> .....	2,386
<b>Ohio</b> .....	158	(See also Providence		St. Louis city, Mo. ....	505
Wirt County, W. Va. ....	5	NECMA, p. 952.)		Franklin County, Mo. ....	67
Wood County, W. Va. ....	91	<b>Provo-Oregon, Utah</b> .....	185	Jefferson County, Mo. ....	129
Washington County, Ohio ..	61	Utah County .....	185	St. Charles County, Mo. ....	129
<b>Pascagoula-Moss Point, Miss.</b> ..	118	<b>Pueblo, Colo.</b> .....	122	St. Louis County, Mo. ....	980
Jackson County .....	118	Pueblo County .....	122	Clinton County, Ill. ....	31
<b>Paterson-Clifton-Passaic, N.J.</b> ..	445	<b>Racine, Wis.</b> .....	177	Madison County, Ill. ....	246
Passaic County .....	445	Racine County .....	177	Monroe County, Ill. ....	19
<b>Pensacola, Fla.</b> .....	276	<b>Raleigh-Durham, N.C.</b> .....	494	St. Clair County, Ill. ....	280
Escambia County .....	226	Durham County .....	146	<b>Salem, Oreg.</b> .....	226
Sanla Rosa County .....	50	Orange County .....	70	Marion County .....	182
<b>Peoria, Ill.</b> .....	361	Wake County .....	279	Polk County .....	44
Peoria County .....	200	<b>Rapid City, S. Dak.</b> .....	91	<b>Salinas-Seaside-Monterey,</b>	
Tazewell County .....	129	Pennington County .....	71	<b>Calif.</b> .....	276
Woodford County .....	32	Meade County .....	20	Monterey County .....	276
<b>Petersburg-Colonial Heights-</b>		<b>Reading, Pa.</b> .....	306	<b>Salt Lake City-Ogden, Utah.</b> .....	843
<b>Hopewell, Va.</b> .....	128	Berks County .....	306	Davis County .....	128
Colonial Heights city .....	17	<b>Reno, Nev.</b> .....	163	Salt Lake County .....	554
Hopewell city .....	24	Washoe County .....	163	Tooele County .....	24
Petersburg city .....	43	<b>Richland-Kennewick, Wash.</b> .....	128	Weber County .....	137
Dinwiddie County .....	21	Benton County .....	97	<b>San Angelo, Tex.</b> .....	77
Prince George County .....	22	Franklin County .....	31	Tom Green County .....	77
<b>Philadelphia, Pa.-N.J.</b> .....	4,770	<b>Richmond, Va.</b> .....	612	<b>San Antonio, Tex.</b> .....	1,038
Bucks County, Pa. ....	472	Richmond city .....	220	Bexar County .....	966
Chester County, Pa. ....	302	Charles City County .....	7	Comal County .....	32
Delaware County, Pa. ....	574	Chesterfield County .....	128	Guadalupe County .....	40
Montgomery County, Pa. ....	628	Goochland County .....	11	<b>San Diego, Calif.</b> .....	1,744
Philadelphia County, Pa. ....	1,760	Hanover County .....	52	San Diego County .....	1,744
Burlington County, N.J. ....	364	Henrico County .....	174	<b>San Francisco-Oakland, Calif.</b> .....	3,184
Camden County, N.J. ....	472	New Kent County .....	8	Alameda County .....	1,103
Gloucester County, N.J. ....	200	Powhatan County .....	13	Contra Costa County .....	623
<b>Phoenix, Ariz.</b> .....	1,293	<b>Riverside-San Bernardino-</b>		Marin County .....	224
Maricopa County .....	1,293	<b>Ontario, Calif.</b> .....	1,385	San Francisco County .....	648
<b>Pine Bluff, Ark.</b> .....	86	Riverside County .....	607	San Mateo County .....	588
Jefferson County .....	86	San Bernardino County .....	779	<b>San Jose, Calif.</b> .....	1,232
<b>Pittsburgh, Pa.</b> .....	2,277	<b>Roanoke, Va.</b> .....	211	Santa Clara County .....	1,232
Allegheny County .....	1,477	Roanoke city .....	99	<b>Santa Barbara-Santa Maria-</b>	
Beaver County .....	208	Salem city .....	23	<b>Lompoc, Calif.</b> .....	292
Washington County .....	212	Botetourt County .....	22	Santa Barbara County .....	292
Westmoreland County .....	380	Craig County .....	4	<b>Santa Cruz, Calif.</b> .....	173
<b>Pittsfield, Mass.</b> .....	91	Roanoke County .....	63	Santa Cruz County .....	173
Berkshire County (pt.) .....	91	<b>Rochester, Minn.</b> .....	92	<b>Santa Rosa, Calif.</b> .....	274
(See also Pittsfield		Olmsted County .....	92	Sonoma County .....	274
NECMA, p. 952.)		<b>Rochester, N.Y.</b> .....	970	<b>Sarasota, Fla.</b> .....	174
<b>Portland, Maine</b> .....	177	Livingston County .....	56	Sarasota County .....	174
Cumberland County (pt.) .....	159	Monroe County .....	706	<b>Savannah, Ga.</b> .....	219
York County (pt.) .....	18	Ontario County .....	87	Bryan County .....	8
(See also Portland		Orleans County .....	39	Chatham County .....	192
NECMA, p. 952.)		Wayne County .....	82	Effingham County .....	18
<b>Portland, Oreg.-Wash.</b> .....	1,140	<b>Rockford, Ill.</b> .....	269	<b>Scranton, Pa.</b> .....	
Clackamas County, Oreg. ....	229	Boone County .....	27	(See Northeast Penn-	
Multnomah County, Oreg. ....	524	Winnebago County .....	242	sylvania SMSA.)	
Washington County, Oreg. ....	216	<b>Sacramento, Calif.</b> .....	951	<b>Seattle-Everett, Wash.</b> .....	1,468
Clark County, Wash. ....	172	Placer County .....	107	King County .....	1,178
		Sacramento County .....	736	Snohomish County .....	290
		Yolo County .....	108		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Sherman-Denison, Tex</b> .....	85	<b>Tallahassee, Fla</b> .....	140	<b>Washington, D.C.-Md.-Va</b> .....	3,017
Grayson County .....	85	Leon County .....	131	District of Columbia .....	674
<b>Shreveport, La</b> .....	356	Wakulla County .....	10	Charles County, Md. ....	67
Bossier Parish .....	72	<b>Tampa-St. Petersburg,</b>		Montgomery County,	
Caddo Parish .....	242	<b>Fla</b> .....	1,396	Md .....	576
Webster Parish .....	42	Hillsborough County .....	584	Prince Georges County, Md .....	662
<b>Sioux City, Iowa-Nebr</b> .....	120	Pasco County .....	153	Alexandria city, Va .....	105
Woodbury County,		Pinellas County .....	659	Fairfax city, Va .....	20
Iowa .....	103	<b>Terre Haute, Ind.</b> .....	174	Falls Church city, Va .....	9
Dakota County, Nebr .....	17	Clay County .....	25	Manassas city, Va. <sup>2</sup> .....	13
<b>Sioux Falls, S. Dak.</b> .....	103	Sullivan County .....	20	Manassas Park city, Va. <sup>2</sup> .....	9
Minnehaha County .....	103	Vermillion County .....	17	Arlington County, Va .....	149
<b>South Bend, Ind</b> .....	281	Vigo County .....	112	Fairfax County, Va .....	546
Marshall County .....	39	<b>Texarkana, Tex.,</b>		Loudoun County, Va .....	53
St. Joseph County .....	242	<b>Texarkana, Ark</b> .....	119	Prince William County,	
<b>Spokane, Wash</b> .....	320	Bowie County, Tex .....	74	Va. <sup>2</sup> .....	135
Spokane County .....	320	Little River County, Ark .....	12	<b>Waterbury, Conn</b> .....	227
<b>Springfield, Ill</b> .....	185	Miller County, Ark .....	33	Litchfield County (pt.) .....	32
Menard County .....	11	<b>Toledo, Ohio-Mich</b> .....	776	New Haven County (pt.) .....	195
Sangamon County .....	173	Fulton County, Ohio .....	36	(See also New Haven	
<b>Springfield-Chicopee-</b>		Lucas County, Ohio .....	464	NECMA, p. 952.)	
<b>Holyoke, Mass.-Conn</b> .....	537	Ottawa County, Ohio .....	39	<b>Waterloo-Cedar Falls, Iowa</b> .....	139
Hampshire County,		Wood County, Ohio .....	105	Black Hawk County .....	139
Mass. (pt.) .....	83	Monroe County, Mich .....	132	<b>West Palm Beach-Boca</b>	
Hampden County,		<b>Topeka, Kans.</b> .....	187	<b>Raton, Fla</b> .....	487
Mass. (pt.) .....	443	Jefferson County .....	15	Palm Beach County .....	487
Worcester County,		Osage County .....	15	<b>Wheeling, W. Va.-Ohio</b> .....	181
Mass. (pt.) .....	3	Shawnee County .....	157	Marshall County, W. Va .....	40
Tolland County,		<b>Trenton, N.J</b> .....	317	Ohio County, W. Va .....	59
Conn. (pt.) .....	8	Mercer County .....	317	Belmont County, Ohio .....	82
(See also Springfield		<b>Tucson, Ariz</b> .....	462	<b>Wichita, Kans</b> .....	398
NECMA, p. 952.)		Pima County .....	462	Butler County .....	44
<b>Springfield, Mo</b> .....	205	<b>Tulsa, Okla</b> .....	629	Sedgwick County .....	354
Christian County .....	21	Creek County .....	55	<b>Wichita Falls, Tex</b> .....	129
Greene County .....	184	Mayes County .....	30	Clay County .....	9
<b>Springfield, Ohio</b> .....	183	Osage County .....	35	Wichita County .....	120
Champaign County .....	33	Rogers County .....	38	<b>Wilkes-Barre-Hazleton, Pa.</b>	
Clark County .....	151	Tulsa County .....	441	(See Northeast Penn-	
<b>Stamford, Conn.</b> .....	205	Wagoner County .....	31	sylvania SMSA.)	
Fairfield County (pt.) .....	205	<b>Tuscaloosa, Ala</b> .....	126	<b>Williamsport, Pa</b> .....	113
(See also Bridgeport		Tuscaloosa County .....	126	Lycorning County .....	113
NECMA, p. 952.)		<b>Tyler, Tex</b> .....	114	<b>Wilmington, Del.-N.J.-Md.</b>	
<b>Steubenville-Weirton,</b>		Smith County .....	114	New Castle County, Del .....	516
<b>Ohio-W. Va</b> .....	162	<b>Utica-Rome, N.Y</b> .....	326	Salem County, N.J .....	397
Jefferson County, Ohio .....	93	Herkimer County .....	65	Cecil County, Md .....	62
Brooke County, W. Va .....	30	Oneida County .....	260	Wilmington, N.C. ....	130
Hancock County, W. Va .....	39	<b>Vallejo-Fairfield-Napa,</b>		Brunswick County .....	33
<b>Stockton, Calif</b> .....	313	<b>Calif</b> .....	301	New Hanover County .....	98
San Joaquin County .....	313	Napa County .....	93	<b>Worcester, Mass</b> .....	376
<b>Syracuse, N.Y</b> .....	650	Solano County .....	208	Worcester County (pt.) .....	376
Madison County .....	66	<b>Vineland-Millville-</b>		(See also Worcester	
Onondaga County .....	474	<b>Bridgeport, N.J</b> .....	130	NECMA, p. 952.)	
Oswego County .....	110	Cumberland County .....	130	<b>Yakima, Wash</b> .....	159
<b>Tacoma, Wash</b> .....	437	<b>Waco, Tex</b> .....	161	Yakima County .....	159
Pierce County .....	437	McLennan County .....	161	<b>York, Pa</b> .....	356
				Adams County .....	63
				York County .....	292
				<b>Youngstown-Warren, Ohio</b> .....	546
				Mahoning County .....	300
				Trumbull County .....	246

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.<sup>2</sup> Manassas and Manassas Park cities became independent of Prince William County in 1975.

NEW ENGLAND COUNTY METROPOLITAN AREAS  
(NECMA's)

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Boston-Lowell-Brockton- Lawrence-Haverhill, Mass.- N.H.</b> .....	<b>3,888</b>	<b>Lewiston-Auburn, Maine</b> .....	<b>96</b>	<b>Portland, Maine</b> .....	<b>234</b>
Essex County, Mass.....	626	Androscoggin County .....	96	Cumberland County .....	207
Middlesex County, Mass.....	1,381	<b>Manchester-Nashua, N.H.</b> .....	<b>260</b>	Sagadahoc County .....	27
Norfolk County, Mass.....	620	Hillsborough County .....	260	<b>Providence-Warwick- Pawtucket, R.I.</b> .....	<b>853</b>
Plymouth County, Mass.....	396	<b>New Bedford-Fall River, Mass.</b> ..	<b>472</b>	Bristol County .....	46
Suffolk County, Mass.....	685	Bristol County .....	472	Kent County .....	151
Rockingham, N.H.....	180	<b>New Haven-West Haven- Waterbury-Meriden, Conn.</b> ..	<b>755</b>	Providence County .....	567
<b>Bridgeport-Stamford-Norwalk- Danbury, Conn.</b> .....	<b>808</b>	New Haven County .....	755	Washington County .....	90
Fairfield County .....	808	<b>New London-Norwich, Conn.</b> .....	<b>245</b>	<b>Springfield-Chicopee-Holyoke, Mass.</b> .....	<b>587</b>
<b>Hartford-New Britain-Bristol, Conn.</b> .....	<b>1,045</b>	New London County .....	245	Hampden County .....	455
Hartford County .....	808	<b>Pittsfield, Mass.</b> .....	<b>144</b>	Hampshire County .....	133
Middlesex County .....	124	Berkshire County .....	144	<b>Worcester-Fitchburg- Leominster, Mass.</b> .....	<b>645</b>
Tolland County .....	113			Worcester County .....	645

<sup>1</sup> Estimates.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

STANDARD CONSOLIDATED STATISTICAL AREAS (SCSA's)

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Boston-Lawrence-Lowell, Mass.-N.H.</b> .....	<b>3,500</b>	<b>Miami-Fort Lauderdale, Fla.</b> .....	<b>2,333</b>
Boston, Mass.....	2,835	Miami, Fla.....	1,451
Lawrence-Haverhill, Mass.-N.H.....	272	Fort Lauderdale-Hollywood, Fla.....	882
Lowell, Mass.-N.H.....	229	<b>Milwaukee-Racine, Wis.</b> .....	<b>1,594</b>
Brockton, Mass.....	164	Milwaukee, Wis.....	1,417
<b>Chicago-Gary, Ill.-Ind.</b> .....	<b>7,678</b>	Racine, Wis.....	177
Chicago, Ill.....	7,030	<b>New York-Newark-Jersey City, N.Y.-N.J.-Conn.</b> .....	<b>16,285</b>
Gary-Hammond-East Chicago, Ind.....	648	New York, N.Y.-N.J.....	9,222
<b>Cincinnati-Hamilton, Ohio-Ky.-Ind.</b> .....	<b>1,646</b>	Nassau-Suffolk, N.Y.....	2,690
Cincinnati, Ohio-Ky.-Ind.....	1,389	Newark, N.J.....	1,951
Hamilton-Middletown Ohio .....	256	Jersey City, N.J.....	554
<b>Cleveland-Akron-Lorain, Ohio</b> .....	<b>2,867</b>	New Brunswick-Perth Amboy-Sayreville, N.J.....	591
Cleveland, Ohio.....	1,939	Paterson-Clifton-Passaic, N.J.....	445
Akron, Ohio.....	657	Long Branch-Asbury Park, N.J.....	500
Lorain-Elyria, Ohio.....	271	Stamford, Conn.....	205
<b>Detroit-Ann Arbor, Mich.</b> .....	<b>4,641</b>	Norwalk, Conn.....	130
Detroit, Mich.....	4,386	<b>Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.</b> .....	<b>5,603</b>
Ann Arbor, Mich.....	255	Philadelphia, Pa.-N.J.....	4,770
<b>Houston-Galveston, Tex.</b> .....	<b>2,793</b>	Wilmington, Del.-N.J.-Md.....	516
Houston, Tex.....	2,595	Trenton, N.J.....	317
Galveston-Texas City, Tex.....	198	<b>San Francisco-Oakland-San Jose, Calif.</b> .....	<b>4,717</b>
<b>Los Angeles-Long Beach-Anaheim, Calif.</b> .....	<b>10,784</b>	San Francisco-Oakland, Calif.....	3,184
Los Angeles-Long Beach, Calif.....	7,081	San Jose, Calif.....	1,232
Anaheim-Santa Ana-Garden Grove, Calif.....	1,833	Vallejo-Fairfield-Napa, Calif.....	301
Riverside-San Bernardino-Ontario, Calif.....	1,385	<b>Seattle-Tacoma, Wash.</b> .....	<b>1,905</b>
Oxnard-Simi Valley-Ventura, Calif.....	485	Seattle-Everett, Wash.....	1,468
		Tacoma, Wash.....	437

<sup>1</sup> Estimates.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

## APPENDIX III

### Statistical Methodology and Reliability

**Introduction.**—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses".

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household". The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in these tables are based on data obtained for all population units, a *census*, or on data obtained for only a portion, or *sample*, of the population units.

When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection, and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single-stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples. To illustrate, if all possible samples were selected under essentially the same conditions, and an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximate 90 percent confidence interval (plus or minus 1.65 standard errors) is from 183.5 to 216.5.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made essentially by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available.

**Principal data bases**—Beginning on page 956 are brief descriptions of 43 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.



SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 1. POPULATION</p> <p><b>U.S. Bureau of the Census</b></p> <p><i>Census of Population</i></p> <p>See tables citing <i>Census of Population</i> in section 1 and also in sections 2, 5, 7, 13, 14, 16, 22, 26, and 32.</p> <p><i>Current Population Survey (CPS)</i></p> <p>See tables citing <i>Current Population Reports</i> primarily in section 1, but also in sections 2, 4, 5, 11, 13, 14, 16, 24, and 32. Many Bureau of Labor Statistics* (BLS) tables in section 18 are CPS based.</p> <p><i>Survey of Income and Education</i></p> <p>See tables 36, 37, and 50, and, in section 4, table 163; in section 5, table 242; in section 11, table 557; and in section 14, tables 753, and 777.</p>	<p>Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.</p> <p>Monthly survey of civilian non-institutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.</p> <p>Single-time survey of the civilian noninstitutional population and members of Armed Forces living off post or with families on post, conducted in spring 1976, to obtain information on demographic and labor force characteristics, educational attainment and school enrollment, migration, income, ethnicity, disability, English speaking ability, health insurance coverage, and food stamp recipients.</p>	<p>In 1970, complete census for some items—age, sex, race, marital status and relationship to household head. Other items collected from a 5% and a 15% probability (systematic) sample of the population.</p> <p>Multistage probability sample of about 85,000 households in 630 PSU's. Oversampling in some States and the largest SMSA's to improve reliability for those areas of employment data on annual avg. basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.</p> <p>Multistage probability sample of about 158,500 interviewed households. PSU's were grouped, initially, to form strata within each State according to the proportion of persons who were children 5-17 yr. old living in poverty at the time of the 1970 census, and a sample of PSU's was taken. Second, from the sample PSU's the surveyed households were selected stratified by income level and number of children per household. The sample from each State was a representative State sample.</p>
<p>SECTION 2. VITAL STATISTICS</p> <p><b>U.S. National Center for Health Statistics</b></p> <p><i>Vital Registration System</i></p> <p>See tables 85-92, 95, and 110-121.</p>	<p>Annual data on births and deaths in the United States.</p>	<p>Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics for most years, 1951-1971, based on 50% sample of birth records received by NCHS. Beginning 1972, data from some States received through Cooperative Health Statistics System and complete file used; data from other States based on 50% sample.</p>
(See section 1 above for information pertaining to tables 93, 94, 96-98, 105, and 123-127.)		
<p>SECTION 4. HEALTH AND NUTRITION</p> <p><b>U.S. National Center for Health Statistics</b></p> <p><i>Health Interview Survey (HIS)</i></p> <p>See tables 170, 171, 192, 194-197, 201, 202, 204, 209 and 210 and, in section 5, table 245.</p> <p><i>Master Facility Inventory (MFI)</i></p> <p>See tables 176, 186, and 188.</p>	<p>Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, chronic conditions, and other health topics.</p> <p>Annual survey of hospitals with 6 or more beds and biennial surveys of nursing and related care homes with 3 or more beds and other custodial or remedial care facilities to update file. Information obtained on names, locations, and types of facilities, and number of beds and residents or patients.</p>	<p>Multistage probability sample of 41,000 households (in 376 PSU's) selected in groups of about four geographically adjacent households.</p> <p>Complete census of eligible institutions. Comprehensive file periodically updated to include names and addresses of newly established inpatient facilities from State licensing agencies.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. Extensive telephone and personal followup for nonrespondents. Imputations made for missing characteristics.</p> <p>For first and fifth months that a household is in sample, personal interviews; other months, data collected by phone.</p>	<p>The CV's for national and State estimates are generally very small. For example, the estimated CV for the estimated number of persons in poverty is less than 1% at the State and national level.</p>	<p>Based on the 1970 census evaluation, an estimate of the net undercount is 2.5%.</p>	<p>Bureau of the Census, <i>Estimates of Coverage of the Population by Sex, Race, and Age: Demographic analysis, PHC(E)-4</i>; and <i>Census of Population: 1970 PC(1)-C</i>, Appendix C.</p>
<p>For first and fifth months that a household is in sample, personal interviews; other months, data collected by phone.</p>	<p>Estimated CV for labor force, total employment, and non-agricultural employment, .3%; for total unemployment and agricultural employment, 1.5 to 3.0%.</p>	<p>Unemployment underestimated by about 7-10%. Other statistics less biased. Four to 5.5% of sample households unavailable for interviews.</p>	<p>Bureau of the Census and Bureau of Labor Statistics, <i>Concepts and Methods Used in Labor Force Statistics from Current Population Survey</i> (Census series P-23, No. 62; BLS report No. 463) and Bureau of the Census, <i>Current Population Survey</i> (Tech. Paper 40).</p>
<p>Personal interviews. Adjustments were made in the estimation procedure to account for nonresponse. Imputation for income nonresponse.</p>	<p>Estimated CV's: For median family income, all races, .3%; White, .3%; Black, 1.2%; and Spanish origin, 1.7%. For persons below poverty level, all races, 1.1%; White, 1.4%; Black, 2.2%; and Spanish origin, 3.7%.</p>	<p>Nonresponse rate of about 4.6%. Item nonresponse rate for income questions was about 14%. Reinterview study, conducted to evaluate the accuracy of the measurement of poverty, found no statistically significant error in poverty counts.</p>	<p>U.S. Bureau of the Census, <i>Current Population Reports</i>, series P-20, No. 334; series P-60, Nos. 110-113; and <i>The Survey of Income and Education: A Report to Congress as Mandated by the Educational Amendments of 1974</i>.</p>
<p>Reports based on records from registration offices of all States, District of Columbia, Puerto Rico, Virgin Islands, Guam, and certain cities.</p>	<p>For births, CV's are small due to large portion of total file in sample (except for very small estimated totals).</p>	<p>In 1964-1968, underregistration of births estimate to be .7%. Data on deaths believed to be as complete.</p>	<p>U.S. National Center for Health Statistics, <i>Vital Statistics of the United States, 1978</i>, vol. I and vol. II, part A and part B, forthcoming.</p>
<p>Personal household interviews. Extensive followup of nonrespondents. Data adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in same geographic area.</p>	<p>Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.</p>	<p>Response rate was 96% in 1978.</p>	<p>U.S. National Center for Health Statistics, <i>Vital Statistics of the United States</i>, series 10—No. 130, DHEW No. (PHS) 80-1551, Nov. 1979.</p>
<p>Mail questionnaires to facilities. Missing questionnaire items imputed by using either previously reported information or by using current data from similar responding facilities.</p>	<p>Not applicable.</p>	<p>The response rate in the 1978 survey of hospitals was about 90%. In 1976, coverage was 95% complete for nursing care and related homes and other custodial or remedial care facilities.</p>	<p>U.S. National Center for Health Statistics, "Design and Methodology of the 1976 Master Facility Inventory Survey," <i>Vital and Health Statistics</i>, PHS Pub. No. 1000, series 1—No. 9, Jan. 1971.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 4. HEALTH AND NUTRITION—CON.</p> <p><b>U.S. Health Care Financing Administration</b>  <i>Survey of Independent Prepaid and Self-Insured Health Plans</i></p> <p>See tables 161 and 162 and, in section 17, table 921.</p>	<p>Annual survey of prepaid and self-insured health plans not underwritten by insurance companies or Blue Cross or Blue Shield plans to obtain operating characteristics, subscription income, enrollments and benefit expenditures by type of care, and other financial data.</p>	<p>Complete census every 4 to 5 years; in other years, certainty sample of 38 large plans, 29 dental care plans, 15 vision care plans and random sample of remaining plans.</p>
(See section 1 for information pertaining to tables 163 and 165 and section 15 pertaining to table 159.)		
<p>SECTION 5. EDUCATION</p> <p><b>U.S. National Center For Education Statistics (NCES)</b>  <i>Revenues and Expenditures for Public Elementary and Secondary Schools</i></p> <p>See tables 221, 222, 261-263, 265, and in section 32, table 1556.</p> <p><i>Statistics of Public Elementary and Secondary Schools</i></p> <p>See tables in section 5 which present data from NCES pertaining to State public school systems.</p> <p><i>Higher Education General Information Survey (HEGIS)</i>  <b>A. Institutional Characteristics of Colleges and Universities</b></p> <p>See tables 218-220, 273, 275, 277, 285, 288, and 289.</p> <p><b>B. Fall Enrollment in Institutions of Higher Education</b></p> <p>See tables 220, 228, 273, 275, 277, and 279.</p> <p><b>C. Financial Statistics of Institutions of Higher Education</b></p> <p>See tables 288, 289, and 291.</p> <p><b>D. Degrees and Other Formal Awards Conferred</b></p> <p>See tables 271, 292, 293, and 295.</p>	<p>Annual survey of State education agencies to obtain data on revenues and expenditures for public elementary and secondary education. Includes the 50 States, District of Columbia, and the outlying areas.</p> <p>Annual survey of State education agencies to obtain data on pupils enrolled, staff employed, number of schools, and estimates of revenues and expenditures for the school year in progress. Includes the 50 States, District of Columbia, and the outlying areas.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on characteristics of institutions including control (public or private), type (university, other four-year, and two-year) and student charges.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on earned degrees and other formal awards conferred by field of study, level of degree, sex, and by racial/ethnic characteristics in alternate years.</p>	<p>Complete census, however, data are extracted by State education agencies from fiscal reports submitted by local education agencies.</p> <p>Complete census, however, data are extracted by State education agencies from fall reports submitted by local education agencies.</p> <p>Complete census.</p> <p>Complete census.</p> <p>Complete census.</p> <p>Complete census.</p>

(See section 1 above for information pertaining to the Bureau of the Census; and section 2 above for National Center for Health Statistics data.)

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Mail questionnaire with telephone followup.	Not applicable.	Item nonresponse rate was about 25% for enrollment data and 30% for financial data in 1972 census. In 1972, 383 plans out of 465 provided usable responses.	U.S. Health Care Financing Administration, <i>HCFA Health Notes</i> , "Independent Health Insurance Plans," annual.
Mail survey with followup for nonresponse through direct contact or other records.	Not applicable.	Some distortion in expenditures by function due to variations in State accounting systems.	U.S. National Center for Education Statistics, <i>Revenues and Expenditures for Public Elementary and Secondary Education</i> , annual.
Mail survey. Imputations for missing data included in national totals; imputations are derived based on data reported over previous 5 years.	Not applicable.	Deviations from State to State or year to year arise from differences in definitions, and instructions used by State education agencies.	U.S. National Center for Education Statistics, <i>Statistics of Public Elementary and Secondary Day Schools</i> , annual.
Survey package usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone follow-up procedures for non-respondents. Missing data imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.	Not applicable.	One hundred percent response rate.	U.S. National Center for Education Statistics, <i>Education Directory, Colleges and Universities</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Fall Enrollment in Higher Education</i> , annual.
See above.	Not applicable.	For 1978, a 92.5% response rate. Imputed expenditures amounted to about 3% of total expenditures.	U.S. National Center for Education Statistics, <i>Financial Statistics of Institutions of Higher Education</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Earned Degrees Conferred</i> , annual.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<b>SECTION 6. LAW ENFORCEMENT, FEDERAL COURTS, AND PRISONS</b>		
<b>U.S. Federal Bureau of Investigation</b> <i>Uniform Crime Reporting (UCR) Program</i> See tables 302-306, 314, 315, and 317-323.	Monthly reports on the number of criminal offenses that becomes known to law enforcement agencies. Data collected on crimes cleared by arrest, by age, sex, and race of offender, and on assaults on law enforcement officers.	Crime statistics based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.
<b>U.S. Law Enforcement Assistance Administration (LEAA)</b> <i>National Crime Survey</i>  See tables 307-309.	Monthly survey of individuals, households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.	National probability sample survey of about 72,000 households in 375 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits.
(See section 2 above for details pertaining to tables 310, 312, and 313; section 10 for details on tables 324 and 326; and section 30 for table 326.)		
<b>SECTION 8. PUBLIC LANDS, PARKS, RECREATION, AND TRAVEL</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Transportation National Travel Survey</i>  See tables 423-425.	Survey conducted every 5 years to obtain information on number and characteristics of long-distance trips (100 miles or more).	Probability sample of about 25,000 households in which residents were asked about trips they had taken.
<b>SECTION 9. FEDERAL GOVERNMENT</b>		
<b>U.S. Internal Revenue Service</b> <i>Statistics of Income Individual Income Tax Returns</i>  See tables 448-453 and 456-458.	Annual study of unaudited individual income tax returns, Forms 1040 and 1040A, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, State of residence, and by taxable and nontaxable returns.	Stratified systematic sample of 155,299 returns in 1977, broken into sample classes based on State groupings and on combinations of adjusted gross income or deficit, or the largest of specific income or loss items, and business and farm receipts. Sampling rates for sample strata varied from .2% to 100%.
<i>Corporation Income tax Returns</i>  See tables 461 and 462 and in section 18, tables 926, 927, 929, 930, and 947-950.	Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, or DISC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, business receipts, taxable income, and income tax.	Stratified probability sample of 102,017 returns in 1975, broken into sample classes based on type of return, size of total assets, and size of net income or deficit (except Form 1120 DISC); for Form 1120-DISC, size of total sales receipts and size of total assets of majority corporate stockholders. Sampling rates for sample strata varied from .8% to 100%.
<b>SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Governments</i>  See tables in section 10 citing <i>Census of Governments</i> ; in section 11, table 552; and in section 16, table 845.	Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee-retirement systems, property values, public school systems, and number, size, and structure of governments.	Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits performed by FBI.</p> <p>Personal interviews conducted every 6 months for 3 years for each household in sample; 12,000 households enumerated monthly.</p>	<p>Not applicable.</p> <p>CV in 1976: 4% for estimate of personal robbery counts; 1.6% for household burglary count.</p>	<p>Coverage of 98% of the population (99% in SMSA's, 94% in rural areas) by UCR Program, though varying number of agencies report. Some error present through incorrect reporting.</p> <p>For establishments, nonresponse rate about 1%. For household survey, 4% of eligible households were not interviewed and 2% of persons within responding households did not participate.</p>	<p>U.S. Federal Bureau of Investigation, <i>Crime in the United States</i>.</p> <p>U.S. Law Enforcement Assistance Administration, <i>Criminal Victimization in the United States, Survey Findings of 1978-79—Changes in Crime and of Trends Since 1973</i>, Report No. SD-NCS-N-18, Sept. 1980.</p>
<p>Quarterly personal interviews in census year with telephone followups for items missed.</p>	<p>S.E. for estimate of total household trips (312,532,000) in 1977 is approximately 7,178,000</p>	<p>Areas of possible nonsampling errors include memory loss on the part of the respondents in reporting trips and in the methods used to estimate trip mileage. Problems in the representation of new construction and mobile homes, and in undercoverage of persons in households also create nonsampling errors. The nonresponse rate was about 10%.</p>	<p>U.S. Bureau of the Census, <i>Census of Transportation, 1977, National Travel Survey Report No. TC77-N-2</i>.</p>
<p>Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.</p> <p>See above.</p>	<p>Estimated CV's: For number of returns in subgroups, ranged from .7% for returns under \$5,000 to 0% for returns over \$500,000 and from 1.4% for California returns to 4.6% for North Dakota; for adjusted gross income less deficit, .1%; and amount of income tax, .2%.</p> <p>Estimated CV's: For number of returns in subgroups, ranged from 1.1% with assets under \$100,000 to 100% with assets over \$10 mil.; for amount of net income, .1%; and amount of income tax, .1%.</p>	<p>Processing errors and errors arising from the use of tolerance checks for the data.</p> <p>See above.</p>	<p>U.S. Internal Revenue Service, <i>Statistics of Income, Individual Income Tax Returns</i>.</p> <p>U.S. Internal Revenue Service, <i>Statistics of Income, Corporation Income Tax Returns</i>.</p>
<p>Field compilation of financial data from official records and reports for States and large local governments; mail canvass of other units, with mail and telephone followups.</p>	<p>Not applicable.</p>	<p>Some response errors may arise due to respondents' interpretation of definitions and instructions.</p>	<p>U.S. Bureau of the Census, <i>Census of Governments, 1977</i>, various reports.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT—Con.</p> <p><b>U.S. Bureau of the Census</b>  <i>Annual Surveys of State and Local Government.</i></p> <p>See tables citing <i>Public Employment</i> and <i>Governmental Finances</i>.</p>	<p>Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 80,000).</p>	<p>Sample of about 16,000 units includes all State governments, county governments with 50,000+ population, municipalities with 25,000+ population, and other governments meeting certain financial criteria; probability sample for remaining units.</p>
<p>SECTION 11. SOCIAL INSURANCE AND WELFARE SERVICES</p> <p><b>U.S. Social Security Administration</b>  <i>Benefit Data</i></p> <p>See tables 547-549 and 583.</p> <p><i>Supplemental Security Income Program (SSI)</i></p> <p>See tables 570-572, 575, and 576.</p>	<p>All persons receiving monthly benefits under Title II of Social Security Act. Data on number and amount of benefits paid by type and State.</p> <p>All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.</p>	<p>Data based on administrative records.</p> <p>Data based on administrative records.</p>
(See section 1 above for information pertaining to the Current Population Survey; and section 10 for information pertaining to Census of Governments.)		
<p>SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS</p> <p><b>U.S. Bureau of Labor Statistics (BLS)</b>  <i>Current Employment Statistics Program (CES)</i></p> <p>See tables 674, 680, 681, 689-692, 699, 700, and 703; and, in section 22, table 1097.</p>	<p>Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.</p>	<p>Probability sample survey of about 165,000 establishments.</p>
(See section 1 above for information pertaining to the Current Population Survey.)		
<p>SECTION 14. INCOME, EXPENDITURES, AND WEALTH</p> <p>See section 1 above for information pertaining to the Current Population Survey and Survey of Income and Education.</p>		
<p>SECTION 15. PRICES</p> <p><b>U.S. Bureau of Labor Statistics (BLS)</b>  <i>Consumer Price Index (CPI)</i></p> <p>See tables 792, 974, 806-811, 816 and 819 and, in section 4, table 159.</p>	<p>Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter.</p>	<p>Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Field compilation of financial data from official records and reports for States and large local governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses imputed from previous year data.	CV for estimates of major employment and financial items are generally less than 2% for most States and less than 1% for the majority of States.	Nonresponse rate about 15% for number of units (about 5% for value items). Other possible errors may result from undetected inaccuracies in classification, response, and processing.	U.S. Bureau of the Census, <i>Public Employment in 1978</i> , GE 78, No. 1, and <i>Governmental Finances in 1977-78</i> , GE 78, No. 5.
Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.	Not applicable.	Processing errors, which are believed to be small.	U.S. Social Security Administration, <i>Annual Statistical Supplement to the Social Security Bulletin</i> .
Data adjusted to reflect returned checks and overpayment refunds. For federally administered, actual adjusted amounts used; for State administered, payments deflated for average rate across all States.	Not applicable.	See above.	See above.
Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information forwarded to BLS where national estimates prepared.	Estimated CV for average weekly hours paid, .1%; for average hourly earnings, .2%.	Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment of .2%.	U.S. Bureau of Labor Statistics, <i>Employment and Earnings, Explanatory Data</i> , tables I-O.
Prices of 400 items obtained from about 2,300 food outlets, 18,000 rental units, 18,000 housing units (for property taxes), and 22,300 other reporters in 85 areas. Prices of most goods and services obtained monthly in the 5 largest areas and every 3 months in others.	Estimates of standard errors are not available at present.	Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products.	U.S. Bureau of Labor Statistics, <i>The Consumer Price Index: Concepts and Content Over the Years</i> , Report 517. See also text, pp. 475 and 476.



SUBJECT, SOURCE TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 15. PRICES—Con.</p> <p><i>Producer Price Index (PPI)</i></p> <p>See tables 792, 794, 797-800 and 802; in section 25, table 1295; in section 28, table 1392; and, in section 29, table 1475.</p>	<p>Monthly survey of producing companies to determine price change of all commodities produced or imported for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.</p>	<p>Nonprobability sample of 2,800 commodities and about 10,000 respondents.</p>
<p>SECTION 16. ELECTIONS</p> <p>See section 1 above for information pertaining to tables 856 and 857 and section 10 above pertaining to table 845.</p>		
<p>SECTION 17. BANKING, FINANCE, AND INSURANCE</p> <p>See section 4 above for information pertaining to table 921.</p>		
<p>SECTION 18. BUSINESS ENTERPRISE</p> <p><b>U.S. Internal Revenue Service</b></p> <p><i>Statistics of Income</i></p> <p><i>Business Income Tax Returns</i></p> <p>See tables 926, 927, 929 and 930</p>	<p>Annual study of unaudited income tax returns of sole proprietorships, Form 1040 with business or farm schedules, and partnerships, Form 1065. Data provided on various financial characteristics by industry and size of business receipts, adjusted gross income (sole proprietorships only), and total assets (partnerships only).</p>	<p>Stratified probability sample of 79,440 sole proprietorships and 43,147 partnerships in 1977. Sole proprietorship sample is broken into sample classes based on type of return and on combinations of adjusted gross income or the largest of specific income or loss items and receipts. Partnership sample is broken into sample classes based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates for proprietorships varied from .03% to 100%; for partnerships from .7% to 100%.</p> <p>(See section 9 above for information pertaining to tables 926, 927, 929, 930, and 947-950, and section 29, below for table 954.)</p>
<p>SECTION 19. COMMUNICATIONS</p> <p>See section 29 for information pertaining to tables 1003, 1008, 1009, and 1014.</p>		
<p>SECTION 22. TRANSPORTATION—LAND</p> <p>See section 1 above for information pertaining to table 1134, section 2 for table 1112, section 13 for table 1097, and section 28 for tables 1123 and 1133.</p>		
<p>SECTION 23. TRANSPORTATION—AIR AND WATER</p> <p><b>U.S. Bureau of the Census</b></p> <p><i>Foreign Trade—Export Statistics</i></p> <p>See Bureau of the Census citations for export statistics in source notes in sections 23 and 31 and also tables 1248, 1348, and 1566.</p>	<p>The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, by country of destination, by Customs district of exportation, and by mode of transportation.</p>	<p>Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over \$500. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Probability sampling is used in the compilation process for low-value shipments (which account for 3% of total value), i.e. shipments to Canada valued \$501-\$1,999 and to other countries valued \$501-\$999.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Data collected by mail. If transaction prices not supplied, list prices used. Some prices obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1972.	Not applicable.	Transaction prices at time of shipment not always available, so list and order prices sometimes used. Only about half of the total value of the mining and manufacturing sectors covered by current program. Double counting bias present because gross shipment values are used as weights.	U.S. Bureau of Labor Statistics, <i>Handbook of Methods</i> , Bulletin 1910 (1976).
Computer selection of sample tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.	Estimated CV's: For sole proprietorships, number of businesses, .5%; business receipts, .9%; and net income, .7%. For partnerships, number of partnerships, .2%; business receipts, .6%; and net income, .7%.	Processing errors and errors arising from the use of tolerance checks for the data.	U.S. Internal Revenue Service, <i>Statistics of Income, Business Income Tax Returns</i> .
Statistical copies of Shipper's Export Declarations received on a daily basis from Customs ports throughout the country are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued \$1,000 and over, and in the case of exports to Canada, \$2,000 and over. Estimates for shipments valued at \$500 or less are made, based on established percentages of individual country totals.	Estimated CV's for total value of exports about .1% and, for major commodity groupings, about 1%. CV's less than 1% for total value over \$10 million, less than 2% for totals between \$3 million and \$10 million, and less than possible errors due to rounding for values less than \$3 million.	Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.	U.S. Bureau of the Census, <i>U.S. Exports, Schedule E, Commodity by Country</i> , FT 410.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 23. TRANSPORTATION— AIR AND WATER—Con.</p> <p><i>Foreign Trade—Import Statistics</i></p> <p>See Bureau of the Census citations for import statistics in source notes in sections 23 and 31 and also tables 1348 and 1566.</p>	<p>The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, by country of origin, by Customs district of entry, and by mode of transportation.</p>	<p>Import entry documents are required to be filed for the importation of goods into the United States. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. A 1% sample of entries is processed for shipments valued \$250 or less, which account for less than 1% of the total import value.</p>
<p>SECTION 24. AGRICULTURE</p> <p><b>U.S. Bureau of the Census</b> <i>1974 Census of Agriculture</i></p> <p>See tables citing Census of Agriculture in section 24 and, in section 32, table 1565.</p> <p><b>U.S. Department of Agriculture, Economics, Statistics, and Cooperatives Service (ESCS)</b></p> <p><i>Basic Area Frame Sample</i></p> <p>See tables citing ESCS in source notes in section 24 and table 1460, which pertain to this or the following two surveys.</p> <p><i>Multiple Frame Surveys</i></p> <p><i>Objective Yield Surveys</i></p> <p>See section 1 above for information pertaining to the Current Population Survey, and section 23 for information pertaining to table 1248.</p>	<p>Census of all farm operators in the U.S. every five years, generally, to obtain data on farm acreage, crops and livestock, equipment, farm sales, income, expenses, and other items, by State and county.</p> <p>Two annual sample surveys of U.S. farm operators: June survey collects data on planted acreage and livestock inventories; December survey collects data on livestock inventories and fall-seeded crop acreage.</p> <p>Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, and farm labor characteristics; and to obtain farm economic data for price indexing.</p> <p>Surveys for data on corn, cotton, potatoes, soybeans, and wheat to forecast and estimate yields.</p>	<p>Complete census of most farms; sample of other farms. Self-enumeration by mail using lists of persons and organizations in agriculture from the previous census, Internal Revenue Service, Dept. of Agriculture, other government agencies, and agricultural related associations.</p> <p>Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.</p> <p>Primary frame from general or special purpose lists, supplemented by a probability sample of land areas.</p> <p>Random location of plots in probability sample of fields. Fields selected in June or December from Basic Area Frame Sample (see above).</p>
<p><b>U.S. Bureau of the Census</b> <i>Census of Construction Industries</i></p> <p>See tables 1393 and 1394 and, in section 32, table 1564.</p>	<p>Census every five years. In 1977, it covered all establishments primarily engaged in contract construction, in construction for sale on their own account (operative builders), or in subdividing real property into lots (approximately 530,000 establishments with paid employees, 600,000 without paid employees).</p>	<p>Probability sample of 181,000 establishments, which comprised all medium and large size employers in the universe and a probability sample of small employers. Also, all 600,000 establishments without paid employees are included in the coverage through administrative records.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued \$251 and over.	Estimated CV for world area and country totals less than .1% for totals over \$20 million; less than .5% for totals between \$1 million and \$20 million; and less than possible errors due to rounding for values less than \$1 million.	Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks hold nonsampling errors arising from reporting and/or processing errors to a minimum.	U.S. Bureau of the Census, <i>U.S. General Imports, Schedule A, Commodity by Country</i> , FT 135.
Mail questionnaire to all farms with \$2,500+ sales; shorter questionnaire to other (only a sample from ASCS list if not also on other lists). Nonrespondent followup by letters and phone calls. Published data adjusted for non-response, but not for underenumeration.	Standard errors by county and State for farm acreage, value of land and buildings, various crop and livestock values given in Appendix A tables of each 1974 State volume. The estimated CV for U.S. land in farms and value of crops sold is .04%.	Undercoverage of farms (chiefly small farms) was about 11% nationally; amount of land missed 7%; and value of farm products sold underestimated by 3%. Estimates of undercoverage in each State in 1969 and 1974 given in State volumes. Adjustment for farm non-response as a percent of the U.S. total represented 12.3% for number of farms, 5.9% for land in farms, and 4.1% for value of products sold.	U.S. Bureau of the Census, <i>Census of Agriculture, 1974</i> , State and county volumes, and vol. IV, part 3, <i>Coverage Evaluation</i> .
Data collection by personal enumeration. Imputation based on enumerator observation or data reported by respondents having similar agricultural characteristics.	CV's range from 1% to 2% for national estimates of major crop acreage and livestock inventories and from 3% to 8% for corresponding State estimates.	Minimized through rigid quality controls on the collection process and careful review of all reported data.	U.S. Department of Agriculture, SRS, <i>Scope and Methods of the Statistical Reporting Service</i> , Miscellaneous Publication No. 1308, July 1975.
Mail or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews.	Estimated CV for number of hired farm workers is about 3%. See above for CV's of other national and State estimates.	Nonresponse rates vary from 5% to 15%.	See above.
Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest.	CV's for national estimates of production are about 2% to 3%.	See above.	See above.
Survey data for employers collected by questionnaire. IRS business tax forms used for establishments without paid employees. Followup on problems with questionnaire responses. Within industry, by State cross-classifications, missing data imputed based on relationships of known responses to administrative data.	Estimated CV of about 1% at national level for estimated totals of all construction and about .5% for construction subindustries.	Response rate 80% to 85% for most items. Computer scan used to identify incomplete questionnaires for review.	U.S. Bureau of the Census, <i>Census of Construction Industries, 1977</i> , vol. I, <i>Industry and Geographic Area Statistics</i> .

## Appendix III

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p><b>SECTION 28. CONSTRUCTION AND HOUSING—CON.</b></p> <p><i>Monthly Survey of New Construction</i></p> <p>See tables 1396-1399 and 1424-1426.</p> <p><i>Value of New Construction Put in Place</i></p> <p>See tables 1385-1387.</p> <p><i>Census of Housing</i></p> <p>See tables 1404-1409, 1414, and 1427.</p> <p><i>Annual Housing Survey</i></p> <p>See tables citing Annual Housing Survey in source notes in section 28 and, in section 22, tables 1123 and 1133.</p> <p><i>Housing Vacancy Survey</i></p> <p>See tables 1411, 1420, and 1421.</p>	<p>Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts, and cabins). Data collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)</p> <p>Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction values include costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthly estimates.)</p> <p>Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.</p> <p>Conducted nationally in the fall of each year to obtain data on the approximately 80 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, housing inventory changes, vacant units, new housing and mobile home units, recently relocated households, and housing and neighborhood quality indicators.</p> <p>Survey to obtain data on vacancy rates, characteristics of vacant units, tenure of occupied units from one sampler, and characteristics of occupied units from a second.</p>	<p>Probability sample of housing units obtained from building permits selected from 14,000 permit-issuing places through 1978 and, beginning in 1979, 16,000 places. (Estimates adjusted to account for buildings for which permits were not obtained.) For nonpermit places, multistage probability sample of new housing units selected in 137 PSU's. In those areas, "knowledgeable" persons provide list of housing starts verified by phone or visit; areas also canvassed.</p> <p>Varies by type of activity: Total cost of private one-family houses started each month is distributed into value in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multifunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpolated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildings, and State and local government construction are obtained by mail from owners (or agents) for a probability sample of projects; estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility companies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; government estimates of Federal construction are based on monthly data supplied by Federal agencies.</p> <p>For 1970, a complete count of 12 housing items. Other items collected from 5% and 15% probability samples selected for two sets of detailed questions on housing (these two sets having some common items). Mailing lists compiled from several sources and checked by the Post Office were supplemented with listings of possible housing units observed by enumerators.</p> <p>The national sample is a multistage probability sample with about 72,000 units eligible for interview in 1978. Sample units, selected within 461 PSU's, are surveyed over a 3-month period.</p> <p>Consists of two samples: First one from CPS (see section 1 above); second sample, the Quarterly Household Survey (QHS), is a probability sample of 6,000 households in 103 PSU's.</p>

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1392.)

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Data obtained by telephone inquiry and field visit.	Estimated CV of 3% to 4% for estimates of national totals; as high as 20% for estimated totals of more detailed characteristics, such as residential multiunit structures.	Response rate over 90% for most items, Non-sampling errors attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.	U.S. Bureau of Census, <i>Construction Reports</i> , series C20, <i>Housing Starts</i> , C22; <i>Housing Completions</i> , C25; <i>Housing Sales</i> ; and C27, <i>Price Index of New One-Family Houses Sold</i> .
See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.	CV estimates for private non-residential building construction range from 1% for estimated number of office buildings to 6% for religious institutions. CV approximately 1% for total new private nonresidential buildings.	For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures.	U.S. Bureau of the Census, <i>Construction Reports</i> , series C30, <i>Value of New Construction Put in Place</i> .
In 1970, a self-enumeration census using a mail-out/mail-back procedure used in most area (previously, enumerators visited households). Followup for nonrespondents and identification of vacant units done by phone and personal visit.	Estimated CV's of the estimates at the national level are very small. Most of the CV's are less than .6%. As an example, the estimated CV for the estimated number of housing units with warm air furnaces is less than .03%.	In 1970, undercount of housing units estimated at 1.4%; 1950 undercount, 2.3%, and 1960 undercount, 2%. Estimates of various censuses not strictly comparable due to differences in timing, procedures, etc.	U.S. Bureau of the Census, <i>U.S. Census of Population and Housing: Procedural History</i> , 1960 and 1970.
Survey conducted by personal interview with subsequent followup by telephone or personal visit.	For the national sample, illustrations of the S.E. of the estimates are provided in the appendix of each report. As an example, the estimated CV is about .4% for the estimate of the number of owner occupied housing units.	Response rate about 94%. Errors result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1978 national sample, about 800,000 units were not included in the sample coverage. A reinterview study also indicates some inconsistencies in the data, especially in some attitudinal items.	U.S. Bureau of the Census, <i>Current Housing Reports</i> , series H-150 and H-170, <i>Annual Housing Survey</i> .
First contact with a household is personal interview; subsequent interviews often conducted by phone.	As an example, S.E. for estimated annual average vacancy rate for rental units with six units or more is .2%. Other S.E.'s shown in census publication.	Due to interviews and respondent errors. Response rate of QHS is 95%. (See section 1 above for GPS.)	U.S. Bureau of the Census, <i>Current Housing Reports</i> , series H-111, <i>Housing Vacancies</i> .

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<b>SECTION 29. MANUFACTURES</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Manufactures</i>  See tables citing <i>Census of Manufactures</i> in source notes in section 29 and also tables 607, 954, 1003, 1008, 1009, 1014, 1115, 1298, and 1563.	Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 340,000 manufacturing firms.	Complete enumeration of data items obtained from 200,000 firms. Administrative records from Internal Revenue Service and Social Security Administration used for 140,000 smaller single-unit firms, which were determined by various cutoffs based on size and industry.
  <i>Annual Survey of Manufactures</i>  See tables citing <i>Annual Survey of Manufactures</i> in source notes in section 28.	Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.	Sampling frame is 340,000 firms in the 1972 Census of Manufacturers (see above), supplemented by Social Security Administration lists of new manufacturers, from which a probability sample of 70,000 establishments is selected. All companies having at least one establishment with 250+ employees included in the sample along with a sample of other companies. All establishments within selected companies are included.
(See section 24 above for information pertaining to table 1460 and section 15 for table 1475.)		
<b>SECTION 30. DOMESTIC TRADE AND SERVICES</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Wholesale Trade, Census of Retail Trade, Census of Selected Service Industries</i>  See tables citing the above censuses or the <i>Census of Business</i> , or the titles above in source notes in section 30 and table 328 in section 6.	Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1972, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments primarily engaged in retail trade or selected service industries. The universe for the 1977 Census of Retail Trade and Wholesale Trade was the same. 1977 Census of Service Industries was expanded to cover several new service industries.	All wholesale firms with paid employees surveyed; all retail and selected service industries with 4+ paid employees surveyed plus a sample of smaller firms. Firms with no employees not required to file a census return.
  <i>Annual Retail Trade Survey</i>  See tables 1495 and 1497.	Annual survey to obtain estimates of retail sales and inventories in the U.S. represents all employers and nonemployer retail establishments operating at the end of the calendar year.	Probability sample from firms in the sample of the Current Business Survey (CBS); see below.
  <i>Current Business Surveys</i>  See tables 1492-1496, 1510, 1511, and 1514.	Provides monthly estimates of retail sales by kind of business and geographic area, and accounts receivable balances of retail stores; wholesale sales and inventories; and receipt of selected service industries.	Probability sample of establishments from a list frame and an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the first frame. The area sample consists of selected land segments in which all in-scope businesses are canvassed and those businesses determined not to be subjected to sampling on the list frame are tabulated.

**SECTION 31. FOREIGN COMMERCE AND AID**

See section 23 above for information pertaining to tables citing import and export statistics in source notes in this section.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>Five mail and telephone followups for larger nonrespondents. Data for small single-unit firms (generally those with fewer than 10 employees) not mailed census questionnaires are estimated from administrative records of IRS and SSA. Data for nonrespondents imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977</p> <p>Survey conducted by mail with phone and mail followups of nonrespondents. Imputation (for all non-response items) based on previous year reports, or for new establishments in survey, on industry averages.</p>	<p>Not applicable.</p> <p>Estimated CV's for number of employees and for value added totals given in annual publications. For State totals, estimated CV's are 2% or less, but vary considerably for detailed characteristics.</p>	<p>Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for 1977 are not yet available.</p> <p>Response rate about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.</p>	<p>U.S. Bureau of the Census, <i>Census of Manufactures, 1977</i>, vol. I, <i>Subject and Special Statistics</i>, forthcoming.</p> <p>U.S. Bureau of the Census, <i>Annual Survey of Manufactures</i>, and Technical Paper 24.</p>
<p>Mail and telephone followups for nonrespondents. Data for nonrespondents and "non-selected" firms in retail trade and selected services from administrative records of IRS and the Social Security Administration. Imputation from related responses or administrative records from IRS OR SSA.</p> <p>Survey questionnaire mailed early in year and followed by mail and phone followups. Imputation based on previous reports of the firm in current monthly surveys or latest business census, supplemented by administrative records. Imputation used extensively for firms not in business at end of year.</p> <p>Data collected by mail with telephone followup for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.</p>	<p>Not applicable.</p> <p>CV for national estimates of total sales and inventories is about 1%. For more detailed estimates by kind of business, or geographic areas, estimated CV's range from 0 to 8%, occasionally as high as 10.5%.</p> <p>CV's about .8% for estimated total retail sales, .9% for wholesale sales, .9% for wholesale inventories, and 1.1% for selected service receipts. Sampling errors shown in monthly publications.</p>	<p>Response rate 85% for single establishment firms; 92% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.</p> <p>Nonresponse rate, 5% or less. Incomplete response ranges from 5% for inventories to 9% for sales.</p> <p>Nonresponse rate about 10% monthly. Incomplete response for wholesale inventories and retail accounts receivable range between 20% and 25% monthly. Special studies indicate a tendency to underreport current month sales and inventories.</p>	<p>U.S. Bureau of the Census, Appendix A of <i>Census of Retail Trade</i>, vol. I; <i>Census of Selected Services</i>, vol. I; <i>Census of Wholesale Trade</i>, vol. I, and <i>Economic Censuses, Procedural History</i>, January 1976.</p> <p>U.S. Bureau of the Census, <i>Annual Retail Trade Report</i>, 1976.</p> <p>U.S. Bureau of the Census, <i>Monthly Retail Trade Reports</i>, <i>Monthly Wholesale Trade Reports</i>, and <i>Monthly Selected Services Receipts Reports</i>.</p>



## APPENDIX IV

### Guide to Sources of Statistics

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1970 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 1013-1016) and in reports for particular commodities, industries, or similar segments of our economic and social structure, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, D.C. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Abortions—see Vital Statistics.

**Accidents**—see also Health; Insurance; and Vital Statistics

#### *U.S. Government*

##### *Bureau of Labor Statistics*

Occupational Injuries and Illness in the United States, by Industry. Annual.

##### *Civil Aeronautics Board*

Supplement to the Handbook of Airline Statistics. Biennial.

##### *Department of Transportation*

Transportation Safety Information Report. Quarterly.

##### *Federal Aviation Administration*

FAA Statistical Handbook of Aviation. Annual.

##### *Federal Railroad Administration*

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in United States. Annual.

Advance Accident/Incident Bulletin. A preliminary summary of accident data covering incidents causing more than \$2,300 damage, casualties from rail operations, and rail-highway grade crossing accidents.

#### **Accidents**—Con.

##### *U.S. Government*—Con.

##### *Federal Railroad Administration*—Con.

FRA Guide for Preparing Accident/Incident Reports. A list of official reporting marks for rolling stock of all major and short-line railroads in the United States and Canada.

Rail-Highway Grade-Crossing Accident/Incident Bulletin. Annual.

Summary Statistics of The National Railroad-Highway Crossing Inventory For Public At-Grade Crossings. An inventory which contains data on the physical and operational characteristics of the 402,000 railroad-highway crossings in the United States.

##### *Mine Safety and Health Administration*

##### *Safety Reviews:*

Coal-Mine Fatalities. Monthly.

Coal-Mine Injuries and Worktime. Monthly.

Metal and Nonmetal Mine Injuries. Quarterly.

##### *National Center for Health Statistics*

Current Estimates from the Health Interview Survey. Annual.

**Accidents—Con.***U.S. Government—Con.*

National Center for Health Statistics—  
Con.

Vital Statistics of the United States.  
Annual.

*Other*

Metropolitan Life Insurance Company,  
New York  
Statistical Bulletin. Quarterly.

National Fire Protection Association,  
Boston  
Fire Journal. Bimonthly.

National Safety Council, Chicago  
Accident Facts. Annual.

The Travelers Insurance Companies,  
Hartford  
Annual Accident Series.

**Agriculture—see also** Construction; Food;  
Irrigation; Labor; Money and Banking;  
and Population

*U.S. Government*

## Bureau of the Census

Census of Agriculture. Quinquennial.  
(1978, most recent.)

U.S. Commodity Exports and Imports  
as Related to Output. Annual.  
(Series ES2.)

Bureau of the Census and Bureau of  
Mines

Raw Materials in the United States  
Economy; 1900–1977. (Issued  
1980, Working Paper No. 47.)

Commodity Futures Trading Commission  
Commodity Futures Statistics. Annual.  
(Statistical Bulletin No. 516.)

Department of Agriculture, Agricultural  
Stabilization and Conservation  
Service

Commodity Credit Corporation Report  
of Financial Condition and Oper-  
ations. Quarterly.

Department of Agriculture, Economics,  
Statistics, and Cooperatives Service  
Agricultural Finance Statistics. Annual.  
Agricultural Outlook. Monthly.

Agricultural Price Reports. Reports on  
prices received for farm commod-  
ities, prices paid for farm supplies,  
indexes and parity ratios. Monthly  
and annual.

Agricultural Statistics. Annual.

Balance Sheet of the Farming Sector.  
Annual. (Agricultural Information  
Bulletin No. 430, Supplement 2/80.)

**Agriculture—Con.***U.S. Government—Con.*

Department of Agriculture, Economics,  
Statistics, and Cooperatives Ser-  
vice—Con.

Changes in Farm Production and Effi-  
ciency; Summary Report. Annual.  
(Statistical Bulletin No. 628.)

Conversion Factors and Weights and  
Measures for Agricultural Commod-  
ities and Products. March 1979.  
(Statistical Bulletin No. 616.)

Farm Income Statistics. Annual. (Sta-  
tistical Bulletin No. 627.)

Farm-Retail Spreads for Food Prod-  
ucts. (Miscellaneous Publication No.  
741.) 1972.

Field Crop Reports. Acreage yield,  
production, and value of various  
commodities. Periodic.

Food Consumption, Prices, and Ex-  
penditures. (Agricultural Economics  
Report No. 138.) Supplemented an-  
nually.

Foreign Agricultural Trade of the  
United States. Monthly with annual  
supplements on calendar year and  
fiscal year trade data.

Fruit and Vegetable Reports. Acre-  
age, yield, production, value, and  
utilization of various fruits and vege-  
tables. Periodic.

Handbook of Agricultural Charts. (Ag-  
ricultural Handbook No. 524.)  
Annual.

The Hired Farm Working Force.  
Annual.

Livestock and Livestock Products.  
Reports pertaining to cattle, cattle  
on feed, hogs and pigs, lamb crop  
and wool, livestock slaughter,  
sheep and goats, sheep on feed,  
and wool and mohair. Periodic.

Major Uses of Land in the United  
States. Summary for 1974. Decem-  
ber 1979. (Agricultural Economics  
Report No. 440.)

Milk and Dairy Products Reports. Milk  
production, dairy products, butter,  
and american cheese production  
reports. Weekly, monthly, annual.

Other Reports. Reports on varied  
items including cold storage, com-  
mercial fertilizer, farm labor, farm  
numbers, farm production expendi-  
tures, floriculture, honey, maple  
sirup, milk, mushrooms, naval  
stores. Monthly, quarterly, annual.

Poultry and Egg Reports. Reports  
covering eggs, chickens, turkeys,  
hatcheries, and poultry slaughter.  
Weekly, monthly, annual.

**Agriculture—Con.***U.S. Government—Con.*

Department of Agriculture, Economics, Statistics, and Cooperatives Service—*Con.*

Seed Crop Reports. Acreage, yield, production, value of various seed crops. Periodic.

Situation Reports. Issued for cotton and wool, dairy products, fats and oils, feed, fertilizer, fruit, livestock and meat, poultry and eggs, rice, sugar and sweeteners, tobacco, vegetables, wheat, and world agriculture. Monthly, quarterly, annual.

State Farm Income Statistics. Annual. Supplement to Statistical Bulletin 627.

Statistics of Farmer Cooperatives. Annual.

Stock Reports. Stocks of grain, hogs, peanuts, potatoes, rice and soybeans. Monthly, quarterly, annual.

U.S. Food Expenditures, 1954–1978. August 1979. (AER-431.)

Weekly Weather and Crop Bulletin. Report summarizing weather and its effect on crops the previous week.

Farm Credit Administration  
Annual Report.

Loans and Discounts of Farm Credit Banks and Associations. Annual.

National Oceanic and Atmospheric Administration

Weekly Weather and Crop Bulletin. National summary.

Air Force—*see* National Defense.

Air Pollution—*see* Health.

Aliens—*see* Immigration.

American Samoa—*see* Outlying Areas.

Area—*see* Geography.

Army—*see* National Defense.

Aviation—*see* Transportation.

Banks and Banking—*see* Money.

Births—*see* Vital Statistics.

Broadcasting—*see* Communications.

Building Permits—*see* Construction.

**Business—***see also* Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Scientific Resources; and Service Establishments.

*U.S. Government*

Administrative Office of the United States Courts

Tables of Bankruptcy Statistics. Annual.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin Monthly.

Bureau of the Census

Census of Retail Trade. Quinquennial. (1977, most recent.)

Census of Service Industries. Quinquennial. (1977, most recent.)

Census of Wholesale Trade. Quinquennial. (1977, most recent.)

County Business Patterns. Annual.

Current Business Reports. Monthly series on Department Store Sales in Selected Areas, BD; Retail Trade, Sales, Accounts Receivable, and Inventories, BR; Selected Services Receipts, BS; and Wholesale Trade, Sales, and Inventories, BW. Canned Food Report, BI, issued five times a year. Green Coffee, BG, issued quarterly.

Mergers & Acquisitions, 1972–1974. 1978.

Minority-Owned Businesses: 1972.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

Fixed Nonresidential Business and Residential Capital in the United States, 1925–1975. 1976.

Handbook of Cyclical Indicators. 1977.

National Income and Product Accounts of the United States, 1929–1974: Statistical Tables. 1976.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Federal Trade Commission

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.

Statistical Report on Mergers and Acquisitions. Annual.

Working Capital for U.S. Nonfinancial Corporations. Quarterly. Beginning August 1978 published by the Federal Reserve Board.

**Business—Con.***U.S. Government—Con.*

## Internal Revenue Service

## Statistics of Income.

Business Income Tax Returns. Annual.

Corporation Tax Returns. Annual.

1968 and 1972, International Income and Taxes, U.S. Corporations and Their Controlled Foreign Corporations. (One of periodic reports on foreign income and tax reported on U.S. corporation tax returns.)

## Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

## Securities and Exchange Commission

Statistical Bulletin. Monthly.

## Senate, Committee on Government Operations

Disclosure of Corporate Ownership. 1973. (93d Congress, 1st Session.)

## Small Business Administration

Annual Report.

*Other*The Conference Board, New York  
Economic Road Maps. Monthly.

Dun &amp; Bradstreet, Inc., New York

The Failure Record. Annual.

Monthly Failure Report.

Monthly New Business Incorporation Report.

Quarterly Business Starts.

Quarterly Businessmen's Expectations Report.

Fortune (Time, Inc.), New York

The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, Mass.

The Business Cycle Today, by Victor Zarnowitz. 1972. (General Series 96, Vol. 1.) (University Microfilms, Ann Arbor.)

The Channels of Monetary Effects on Interest Rates, by Phillip Cagan. 1972. (General Series 97.) (Columbia University Press, Irvington, N.Y.)

Conference on Research in Taxation, Michael Boskin, editor. Published as Supplement to Journal of Political Economy, April 1978. (Vol. 86, No. 2, part 2.)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universi-

**Business—Con.***Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.—Con.

ties—National Bureau Conference 25.) (Supplement to Journal of Money Credit and Banking, No. 1, part 2. University Microfilms, Ann Arbor.)

Economic Growth, by William D. Nordhaus and James Tobin. 1972. (General Series 96, Vol. V.) (University Microfilms, Ann Arbor.)

Forecasts with Macroeconometric Models, by Yoel Haitovsky, George Treyz, and Vincent Su. 1974. (Studies in Business Cycles 23.) (Columbia University Press, Irvington, N.Y.)

The Formation and Stocks of Total Capital, by John W. Kendrick. 1976. (General Series 100.) (Columbia University Press, Irvington, N.Y.)

Institutional Investors and Corporate Stock—A Background Report, Raymond Goldsmith, editor. 1973. (Studies in Capital Formation and Financing 13.) (Columbia University Press, Irvington, N.Y.)

Measures of Credit Risk and Experience, by Edgar R. Fiedler. 1971. (General Series 95.) (University Microfilms, Ann Arbor.)

Orders, Production, and Investment—A Cyclical and Structural Analysis, by Victor Zarnowitz. 1973. (Business Cycles 22.) (Columbia University Press, Irvington, N.Y.)

Postwar Productivity Trends in the United States, by John W. Kendrick. 1973. (General Series 98.) (Columbia University Press, Irvington, N.Y.)

Substituting a Value-Added Tax for the Corporate Income Tax, by S. P. Dresch, An-loh Linn, and D. K. Stout. (Fiscal Studies Series, No. 15.) (Ballinger Publishing Co., Cambridge, Mass.)

Urban Land Institute, Washington, D.C.

The Dollars and Cents of Shopping Centers. Triennial.

Canal Zone—see Outlying Areas.

Child Welfare—see Education; and Social Insurance.

City Government—see State and Local Government.

Civil Service—see Federal Government; and State and Local Government.

**Climate—see also Health***U.S. Government*

National Oceanic and Atmospheric Administration

Climatological Data. National Summary; also issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1977.

Daily River Stages. Annual.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

*Commerce—see Foreign Commerce; Retail and Wholesale Trade; and Transportation.*

**Commodity Prices—see also Economic Indexes***U.S. Government*

Board of Governors of the Federal Reserve System.

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Announcement to Users of the Consumer Price Index. 1978.

City Worker's Family Budget, Pricing Procedures, Specifications, and Average Prices. (Bulletin No. 1570-3.) Updated in annual press releases; titles vary.

Consumer Expenditure Survey Series: Daily Data, 1972, 1975. (Report Series 448.)

Consumer Price Index. Monthly.

Consumer Price Index: Energy. Monthly.

Consumer Price Index, U.S. City Average and Selected Items, Groups, and Areas. Monthly.

Facts About the Revised Consumer Price Index. 1978.

Handbook of Labor Statistics. Annual. Monthly Labor Review.

Producer Prices and Price Indexes. Monthly and annual.

Productivity and Costs. Quarterly.

Productivity and Costs in Nonfinancial Corporations. Quarterly.

Relative Importance of Items in the Consumer Price Index. Annual.

**Commodity Prices—Con.***U.S. Government—Con.*

Bureau of Labor Statistics—Con.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570-6 and supplements.) Updated in annual press releases; titles vary.

Three Standards of Living for an Urban Family of Four Persons. (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

Tuesday Spot Market Price Indexes and Prices. Weekly and monthly summary.

Department of Agriculture, Economics, Statistics, and Cooperatives Service.

Agricultural Prices. Monthly and annual.

Agricultural Statistics. Annual.

*Other*

Commodity Research Bureau, New York  
Commodity Yearbook. Annual.

Morgan Guaranty Trust Company of New York.

The Morgan Guaranty Survey. Monthly. (Wholesale price index.)

Wall Street Journal. (Dow Jones & Co., New York.) Daily except Saturdays, Sundays, and holidays.

**Communications—see also Newspapers***U.S. Government*

Bureau of the Census

Households With Television Sets in the United States. Irregular. (Current Housing Reports, H-121, Housing Characteristics.)

Federal Communications Commission

AM-FM Broadcast Financial Data. Annual.

Annual Report.

Statistics of Communications  
Common Carriers. Annual.

TV Broadcast Financial Data. Annual.

Rural Electrification Administration

Annual Statistical Report—Rural Telephone Borrowers.

U.S. Postal Service

Annual Report of the Postmaster General.

Revenue and Cost Analysis. Annual.

**Communications—Con.***Other*

John Blair & Company, New York  
Statistical Trends in Broadcasting.  
Annual.

Book Industry Study Group, Inc.  
Book Industry Trends. Annual.

Broadcasting Publications, Inc., Wash-  
ington, D.C.  
Broadcasting Yearbook.

Corporation for Public Broadcasting,  
Washington, D.C.  
Public Radio and Television Program-  
ming Content by Category. Annual.

Editor & Publisher Co., Inc.  
International Year Book. Annual.

Electronic Industries Association, Wash-  
ington, D.C.

Electronic Market Data Book. Annual.

Television Digest, Inc., Washington,  
D.C.  
Television Factbook. Annual.

United States Independent Telephone  
Association, Washington, D.C.  
Statistics of the Independent Tele-  
phone Industry. Annual.

**Construction, Housing, and Real Estate—  
see also Money and Roads***U.S. Government*

Board of Governors of the Federal Re-  
serve System  
Federal Reserve Bulletin. Monthly.

**Bureau of the Census**

Census of Construction Industries.  
Quinquennial. (1977, most recent.)

Census of Housing. Decennial. (1980,  
most recent.)

Current Construction Reports: Hous-  
ing Starts, C20 (monthly); New  
Residential Construction in Select-  
ed Standard Metropolitan Statistical  
Areas, C21 (quarterly); Housing  
Completions C22 (monthly); New  
One-Family Houses Sold and for  
Sale, C25 (monthly and annual);  
Price Index of New One-Family  
Houses Sold, C27 (quarterly); Value  
of New Construction Put in Place,  
C30 (monthly with occasional his-  
torical supplement); Housing Au-  
thorized by Building Permits and  
Public Contracts, C40 (monthly and  
annual); Housing Units Authorized  
for Demolition in Permit-Issuing  
Places, C45 (annual); Residential  
Alterations and Repairs, C50 (quar-  
terly and annual).

**Construction, Housing, and Real Estate—  
Con.***U.S. Government—Con.***Bureau of the Census—Con.**

Current Housing Reports: Housing Va-  
cancies, H-111 (quarterly and  
annual); Market Absorption of  
Apartments, H-130 (quarterly and  
annual); Characteristics of Apart-  
ments Completed, H-131 (annual);  
Annual Housing Survey, H-150  
(series of six annual reports);  
Annual Housing Survey—Housing  
Characteristics for Selected Metro-  
politan Areas, H-170.

Housing Starts, 1959 to 1971. 1972.

Social Indicators, 1973; 1976.

**Bureau of Economic Analysis**

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

Fixed Nonresidential Business and  
Residential Capital in the United  
States, 1925-75. 1976.

Handbook of Cyclical Indicators.  
1977.

National Income and Product Ac-  
counts of the United States, 1929-  
74: Statistical Tables. 1976.

Survey of Current Business. Monthly.

**Bureau of Industrial Economics**

Construction Review. Monthly.

**Bureau of Labor Statistics**

Consumer Price Index. Monthly.  
(Housing, rent, and home owner-  
ship indexes.)

Employment and Earnings. Monthly.

Employment and Earnings, States  
and Areas. Annual.

Employment and Earnings, United  
States. Annual.

Labor and Material Requirements for  
(selected types of) Construction.  
(Bulletins issued at irregular inter-  
vals.)

Monthly Labor Review.

Rent or Buy? Evaluating Alternatives  
in the Shelter Market. 1979. (Bulle-  
tin No. 2016.)

Union Wages and Benefits: Building  
Trades. Annual with quarterly re-  
leases and summary reports.

**Department of Agriculture, Economics,  
Statistics, and Cooperatives Service**

Farm Real Estate Market Develop-  
ments. Annual with supplements.

Farm Real Estate Taxes. Annual.

Foreign Ownership of U.S. Agricultural  
Land. 1980. (Agricultural Economic  
Report No. 447.)

**Construction, Housing, and Real Estate—  
Con.***U.S. Government—Con.*

Department of Housing and Urban Development  
Housing and Urban Development Trends. Monthly and annual.  
Statistical Yearbook.  
Supply of Mortgage Credit, 1970–1979.

Federal Home Loan Bank Board.  
Annual Report.  
Savings and Home Financing Source Book. Annual.

Veterans Administration  
Loan Guaranty Highlights. Monthly.

*Other*

Dodge, F.W., Division, McGraw-Hill Information Systems Co., New York  
Dodge Construction Potentials. Monthly.

National Association of Realtors, Washington, D.C.  
Existing Home Sales. Monthly.

National Bureau of Economic Research, Cambridge, Mass.

Long Swings in Urban Development, by Manuel Gottlieb. 1976. (Urban and Regional Studies 4.) (Columbia University Press, Irvington, N.Y.)

Residential Location and Urban Housing Markets, by Gregory K. Ingram, editor. (Income and Wealth, No. 43. 1978.) (Ballinger Publishing Company, Cambridge, Mass.)

Whitman, Requaardt and Associates, Baltimore

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

**Consumer Income and Expenditures—see also Agriculture; Economic Indexes; Investments; and National Income***U.S. Government*

Board of Governors of the Federal Reserve System  
Federal Reserve Bulletin. Monthly.

Bureau of the Census  
Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-60.)

Family (Money) Income 1947–1971: Summarizing Twenty-five Years of a Summary Statistic. (Technical Paper No. 35.)

**Consumer Income and Expenditures—  
Con.***U.S. Government—Con.***Bureau of Economic Analysis**

Local Area Personal Income, 1973–78. Annual personal income by type of income and by major industries, and population and per capita income, for States, counties, BEA economic areas, and standard metropolitan statistical areas. Nine volumes published by the Government Printing Office, Washington, D.C.

Personal Income by States Since 1929. (Supplement to Survey of Current Business.) 1956. Updated and published twice annually—preliminary in the April Survey and final in the August Survey.

Personal Income by States Since 1948. Updated and published quarterly in January, April, July, and October issues of Survey of Current Business.

Survey of Current Business. Monthly.

**Bureau of Labor Statistics****Consumer Expenditure Survey:**

Diary Survey, July 1972–June 1974. 1977. (Bulletin No. 1959.)

Integrated Diary and Interview Survey Data, 1972–1973—Total Expenditures and Income for the United States and Selected Areas. 1978. (Bulletin No. 1999.)

Interview Survey, 1972–73. 1978.

Vol. I: U.S. Tables—Families Classified by Ten Family Characteristics.

Vol. II: Regional Tables—Families Classified by Income for Four Regions.

**Consumer Expenditure Survey Series:**

Diary Survey, July 1973–June 1974. 1976. (Reports 448–1 to 4.)

Interview Survey, 1972–73. 1977. (Reports 455–1 to 5.)

Interview Survey, 1972–73—Annual Expenditures and Sources of Income Cross-Classified by Family Characteristics, 1972 and 1973 Combined. 1978. (Bulletin No. 1985.)

Digest of Selected Pension Plans, 1976–78 edition. 1977.

Handbook of Labor Statistics. Annual.  
Monthly Labor Review.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570–6 and supplements.) Updated in annual press releases; titles vary.

**Consumer Income and Expenditures—**  
Con.*U.S. Government—Con.*

## Bureau of Labor Statistics—Con.

*Three Standards of Living for an Urban Family of Four Persons.* (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

*Internal Revenue Service*

Statistics of Income. (Annual report on Individual Income Tax Returns. Supplemental. Report on Personal Wealth.)

*Other*

Michigan, The University of, Survey Research Center, Ann Arbor

Survey of Consumer Finances. Annual. (Discontinued in 1972.)

Miller, Herman P. (Thomas Y. Crowell, New York)

Rich Man, Poor Man. 1971.

National Bureau of Economic Research, Cambridge, Mass.

The Business Cycle Today, by Victor Zarnowitz. 1972. (General Series 96, Vol. 1.) (University Microfilms, Ann Arbor.)

Household Production and Consumption, Nestor E. Terleckyj, editor. 1976. (Studies in Income and Wealth, Vol. 40.) (Columbia University Press, Irvington, N.Y.)

The Measurement of Economic and Social Performance, Milton Moss, editor. 1974. (Studies in Income and Wealth, Vol. 38.) (Columbia University Press, Irvington, N.Y.)

National Consumer Finance Association, Washington, D.C.

Finance Facts Yearbook. Annual.

Consumer Prices—*see* Commodity Prices.

Corporations—*see* Business; *and* Manufactures.

Correctional Institutions—*see* Law Enforcement.

Cost of Living—*see* Commodity Prices.

Courts—*see* Law Enforcement.

Crime—*see* Law Enforcement.

Crops—*see* Agriculture.

Deaths—*see* Vital Statistics.

Defense—*see* National Defense.

Divorce—*see* Vital Statistics.

Domestic Trade—*see* Retail and Wholesale Trade.

Drainage—*see* Irrigation.

**Economic Indexes—***see also* Agriculture; Business; Commodity Prices; *and* Manufactures

*U.S. Government*

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly. (Also monthly releases on business and industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

Handbook of Cyclical Indicators. 1977.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Employment Projections for the 1980's. (Bulletin No. 2030.)

Monthly Labor Review

Productivity and the Economy. 1977. (Bulletin No. 1926.)

The Structure of the U.S. Economy in 1980 and 1985. 1975. (Bulletin No. 1831.)

The U.S. Economy in 1985. 1974. (Bulletin No. 1809.)

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

*Other*

Business Week. (Billboard Publications, Inc., New York.) (Index of Business Activity.)

The Conference Board, New York

The Conference Board Statistical Bulletin. Monthly.

Federal Reserve Banks

Monthly review published by each bank with special reference to its own Federal Reserve district.

Michigan, The University of, Survey Research Center, Ann Arbor

Survey of Consumer Finances. Annual. (Discontinued in 1972.)

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In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

## Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1971 plus those that will be issued in late 1980 or early 1981. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications cited as "In process" are approximate.

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