

DOCUMENT RESUME

ED 300 886

EA 020 338

TITLE Staff in Public Elementary and Secondary Schools and School Systems, Fall 1983. OERI Historical Report.

INSTITUTION Center for Education Statistics (OERI/ED), Washington, DC.

REPORT NO CES-86-103h

PUB DATE Feb 87

NOTE 1lp.; Small print in tables 1-3 may affect legibility.

PUB TYPE Statistical Data (110)

EDRS PRICE MF01/PC01 Plus Postage.

DESCRIPTORS Administrators; Elementary Secondary Education; Government Publications; Librarians; National Surveys; Occupational Surveys; \*Public Schools; School Counselors; \*School Personnel; \*School Statistics; School Surveys; Tables (Data); Teacher Aides; Teachers

ABSTRACT

The number of staff in full-time-equivalent (FTE) positions in public elementary and secondary schools in the United States is reported in two categories: instructional staff (teachers and instructional aides); and support services staff (local education officials and administrators, school administrators, guidance counselors, librarians, and all other support services staff). The data were reported by state education agencies to the Center for Education Statistics (CES) through the Common Core of Data (CCD) system. Thirty states and the District of Columbia reported increases in the number of teachers from fall 1982 to fall 1983; 20 states reported decreases. School system officials and administrators and school administrators accounted for approximately 4.8 percent of total FTE staff in fall 1983. Although the number of officials and administrators increased by roughly the same amount as did teachers (4,200 to 5,800), the percentage increase was much larger for officials and administrators--2.3 percent compared with 0.3 percent for teachers. All other categories of staff personnel decreased: guidance counselors by 1.2 percent; librarians by 1.1 percent; and all other support personnel by about 2.0 percent. The methodology is used to obtain this data is explained, and definitions of staff assignments are provided. Five tables are appended. (MLF)

\*\*\*\*\*

\* Reproductions supplied by EDRS are the best that can be made \*  
 \* from the original document. \*

\*\*\*\*\*

ED300886

# Historical OERI report

Center for Education Statistics  
U.S. Department of Education

Office of Educational Research and Improvement

U.S. DEPARTMENT OF EDUCATION  
Office of Educational Research and Improvement  
EDUCATIONAL RESOURCES INFORMATION  
CENTER (ERIC)

This document has been reproduced as received from the person or organization originating it.  
 Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

Contact: George Wade  
(202) 357-6624

February 1987

## Staff in Public Elementary and Secondary Schools and School Systems, Fall 1983

In fall 1983, there were more than 3,907,500 full-time-equivalent (FTE) employed staff personnel in public elementary and secondary schools in the 50 States and the District of Columbia (table 1).<sup>2</sup> This amount is a decrease in staff of 23,800 or 0.6 percent (table 3) from the more than 3,931,300 FTE staff employed in fall 1982 (table 2).

This Bulletin expresses the number of staff in FTEs and reports the data on staff assignments in two categories: instructional staff (teachers and instructional aides), and support services staff (LEA, or local education agency) officials and administrators, school administrators, guidance counselors, librarians, and all other support services staff).<sup>3</sup>

<sup>1</sup>Full-time equivalency of assignment is the amount of time required to perform a part-time assignment divided by the amount of time required in a corresponding full-time assignment.

<sup>2</sup>The data were reported by State education agencies to the Center for Education Statistics (CES) through the Common Core of Data (CCD) system. See the methodology section for details of the data collection process.

Also see the note at the bottom of tables 1 and 2 for estimated undercount of about 80,000 support staff.

<sup>3</sup>See the definitions of staff assignments at the end of this report.

CES 86-103h

BEST COPY AVAILABLE

SA 020338

## Instructional Staff

**Teachers.** In fall 1983, the 50 States and the District of Columbia employed 2,126,600 FTE teachers in their public elementary and secondary schools, an increase of 5,800 (0.3 percent) over the 2,120,800 teachers reported in fall 1982. The 1983 figure represents 54.4 percent of the 3.9 million total employed staff in local education agencies.

Thirty States and the District of Columbia reported increases in the number of teachers from fall 1982 to fall 1983. The States with the largest increases, Ohio and Texas, each reported about 2,800 additional teachers. Florida and New York were next, with reported increases of about 1,700 and 1,100 respectively. The others reported increases ranging from about 700 down to about 20 teachers (table A).

Twenty States reported decreases. Illinois reported the largest decrease--nearly 2,500 teachers--followed by Pennsylvania, with a decrease of about 1,600 teachers. The remaining States experienced decreases ranging from nearly 1,000 down to 4 (table B).

**Instructional Aides.** The 278,100 FTE instructional aides reported in fall 1983 represented 7.1 percent of the total FTE staff for that year. This reflects a decrease of about 7,500 aides (-2.6 percent) from the 285,700 reported in fall 1982.<sup>4</sup>

## Support Services Staff

**Officials and Administrators and School Administrators.** School system officials and administrators and school administrators accounted for approximately 188,000 FTEs or 4.8 percent of total FTE staff in fall 1983. This category of staff increased by 4,200 members (2.3 percent) from fall 1982. Although the number of officials and administrators increased by roughly the same amount as did teachers (4,200 to 5,800), the percentage increase was much larger for officials and administrators--2.3 percent compared with 0.3 percent for teachers.

**Guidance counselors.** Guidance and counseling personnel numbered 62,600 in fall 1983. These staff composed 1.6 percent of the total FTE staff for that year. There were about 800 fewer FTE counselors in fall 1983 than in fall 1982, a 1.2 percent decrease. The 62,600 FTE counselors produced a ratio of 15.9 counselors for each 10,000 students, based upon the 39.3 million students in fall 1983.<sup>5</sup>

---

<sup>4</sup>A count of instructional aides was not available from Connecticut. For Nevada, they were included with all other support staff. In California, Indiana, and Oklahoma, library support staff were included with instructional aides.

<sup>5</sup>This number is taken from "Public School Enrollment, Fall 1983," U.S. Department of Education, National Center for Education Statistics.

Librarians. In fall 1983, there were 46,500 FTE librarians who accounted for 1.2 percent of total FTE staff. This figure was down by about 500 (-1.1 percent) from 1982.

All other Support Personnel. In 1983, all other support personnel numbered 1,205,800 (50.9 percent of all staff). This number represents a decrease (by about 2.0 percent) of 25,000 from fall 1982.<sup>6</sup>

---

<sup>6</sup>As indicated, Nevada included instructional aides in all other support staff. Data were not available for library support staff from the following States: Alabama, Connecticut, Florida, Georgia, Hawaii, Montana, Nebraska, North Carolina, Oregon, Tennessee and Virginia. Administrative support staff data were not available for Florida, Hawaii, Maine, and Montana. Connecticut did not report noncertified personnel. Montana and Texas did not report a number of types of noncertified personnel. It is estimated that the undercount from nonreporting is about 80,000 support personnel (see note at bottom of tables 1 and 2).

## Methodology

The information in this bulletin comes from the Common Core of Data (CCD) survey, Part V--State Nonfiscal Report. The Center for Education Statistics (CES) conducts this survey annually with the assistance of State education agencies (SEAs) in the 50 States, the District of Columbia, and outlying areas under U.S. jurisdiction. The data are derived from State administrative records. This bulletin does not include data from the outlying areas, but these data are available upon request.

In obtaining data for its administrative record system, each SEA obtains fall membership reports from the local education agencies (LEAs) that operate public schools. Since each SEA uses various collection methodologies to obtain these data, the "as of" dates for membership count may vary from State to State. According to its own procedures, each SEA may edit or examine the individual LEA reports before computing State totals. Upon receipt of the data from each State, CES edits the reports using a machine edit procedure to check for internal and longitudinal consistency. Questionable entries identified through the machine edit process are returned to the SEA for verification or correction prior to publication.

Some States were not able to respond exactly according to the staff categories requested. Nevada, for example, included instructional aides with all other support staff. California, Oklahoma, and Indiana included library support staff with instructional aides. These exceptions are indicated in footnotes 2 and 6 and in the footnotes to the tables; to the limited extent that they occur, the data for the categories involved are inexact.

## Definitions of Staff Assignments

Instructional (teacher) aides--Those staff members assigned to assist a teacher with routine activities associated with teaching (i.e., those activities requiring minor decisions regarding students such as monitoring, conducting rote exercises, operating equipment, and clerking). Volunteer aides are not included in this category.

Officials and administrators--The chief executive officers of the education agencies (such as superintendents and deputies) and all other persons having district-wide responsibility. Such positions may be business managers, administrative assistants, coordinators and the like, and those staff members whose activities are concerned with directing and managing the operation of a particular school. They include the activities performed by the principal, assistant principals, and other assistants while they supervise all operations of the school, evaluate the staff members of the school, assign duties to staff members, supervise and maintain the records of the school, and coordinate school instructional activities with those of the LEA and other appropriate units.

Guidance counselors/directors--Those professional staff whose activities involve counseling students and parents, consulting with other staff members on learning problems, evaluating the abilities of students, assisting students as they make their own educational and career plans and choices, assisting students in personal and social development, providing referral assistance, and working with other staff members in planning and conducting guidance programs for students.

Librarians (school library services)--Those staff members assigned to perform professional library service activities such as selecting, acquiring, preparing, cataloging, and circulating books and other printed materials; planning the use of the library by students, teachers and other members of the instructional staff; and guiding individuals in their use of library books and materials, whether maintained separately or as a part of an instructional materials center.

School administrative support staff--Those personnel that are assigned to the staffs of the officials and administrators. They may be assistants, clerks, department supervisors, or the like. They may also be staff whose activities support the teaching and administrative duties associated with the principals' offices.

All other support services staff--All staff that are not included in the other categories. This includes those staff members that are assigned to the staff of officials and administrators--assistants, clerks, and those staff whose activities also include the work of clerical staff in support of teaching and administrative duties involved with the offices of the principals. Also included are media personnel (other than librarians), library support staff, social workers, data processing, health, maintenance, bus drivers, security, clerical, cafeteria workers and other staff.

Table A.--States with an increase in number of teachers, fall 1982 to fall

States with an increase in teachers	Number of teachers		Increase from fall 19 to fall 1983	
	Fall 1982	Fall 1983	Number	Perc
Ohio .....	94,126	96,927	2,801	3.
Texas .....	167,835	170,629	2,794	1.
Florida .....	83,301	85,028	1,727	2.
New York .....	144,591	145,647	1,056	0.
Missouri .....	46,047	46,761	714	1.
Washington .....	34,056	34,757	701	2.
Maine .....	12,910*	13,492	582	4.
Alaska .....	5,710*	6,259	549	9.
South Dakota .....	7,974	8,355	331	4.
Massachusetts .....	56,498	56,873	375	0.
Virginia .....	56,038	56,388	350	0.
West Virginia .....	22,159	22,503	344	1.
Oregon .....	24,074	24,409	335	1.
Utah .....	15,336	15,640	304	2.
Wyoming .....	6,706	7,010	304	4.
Wisconsin .....	45,047	45,311	264	0.
Alabama .....	35,619	35,875	256	0.
Kentucky .....	32,237	32,458	221	0.
District of Columbia..	5,355	5,569	214	4.
New Mexico .....	14,323	14,532	209	1.
Nebraska .....	17,381	17,548	167	1.
Nevada .....	7,222	7,366	144	2.
South Carolina .....	32,244	32,323	79	0.
Arizona .....	26,190	26,268	78	0.
New Hampshire .....	9,758	9,821	63	0.
Idaho .....	9,790	9,847	57	0.
Vermont .....	6,189	6,242	53	0.
Georgia .....	56,510	56,555	45	0.
Kansas .....	26,056	26,096	40	0.
Oklahoma .....	34,960	34,999	39	0.
Delaware .....	5,409	5,429	20	0.

\*Data were imputed by CES based on membership and previous year's data.

Table B.--States with a decrease in number of teachers, fall 1982 to fall 1

States with a decrease in teachers	Number of teachers		Decrease from fall 198 to fall 1983	
	Fall 1982	Fall 1983	Number	Perc
Illinois .....	104,619	102,130	2,489	2.
Pennsylvania .....	103,855	102,207	1,648	1.
Colorado .....	29,380	28,421	959	3.
New Jersey .....	74,303	73,593	710	1.
Louisiana .....	42,697	42,200	497	1.
Maryland .....	37,760	37,275	485	1.
Connecticut .....	32,760	32,317	443	1.
California .....	174,674	174,290	384	0.
Minnesota .....	39,775	39,392	383	1.
Michigan .....	80,364	79,982	382	0.
Iowa .....	32,110	31,779	331	1.
Tennessee .....	39,660	39,409	251	0.
Mississippi .....	25,176	24,955	221	0.
North Carolina .....	55,261	55,126	135	0.
Hawaii .....	7,077	7,007	70	1.
Montana .....	9,517	9,479	38	0.
Indiana .....	50,528	50,509	19	0.
Arkansas .....	23,713	23,696	17	0.
Rhode Island .....	8,854	8,848	6	0.
North Dakota .....	7,071	7,067	4	0.

Table 1.—Number and percentage of staff employed by public school systems, by type of staff, and by State:  
50 States and D.C., fall 1983

STATE	TOTAL STAFF	(FULL-TIME EQUIVALENT ASSIGNMENTS)											
		INSTRUCTIONAL STAFF				SUPPORT STAFF							
		TEACHERS		INSTRUCTIONAL AIDES		OFFICIALS AND ADMINISTRATORS AND SCHOOL ADMINISTRATORS		GUIDANCE COUNSELORS		LIBRARIANS		ALL OTHER SUPPORT STAFF	
		NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT
TOTAL 50 STATES AND D.C.	3,907,543	2,120,599	54.4	270,120	7.1	150,016	4.0	62,562	1.6	40,471	1.2	1,205,767	30.9
ALABAMA	57,913	35,075	61.9	2,454	4.2	2,687	4.6	661	1.1	1,355	2.0	15,001	26.0
ALASKA	11,150	6,259	56.1	970	8.6	519	4.7	191	1.7	142	1.3	3,061	27.5
ARIZONA	50,371	26,266	52.1	3,790	7.3	2,275	4.5	605	1.0	506	1.2	10,057	33.5
ARKANSAS	44,260	23,696	53.5	2,131	4.8	2,370	5.4	547	1.2	691	1.6	14,017	31.5
CALIFORNIA	300,604	174,290	58.0	247,639	12.5	22,470	5.9	4,556	1.2	1,140	0.3	130,509	34.0
COLORADO	53,901	28,421	52.7	3,090	5.5	2,749	5.1	920	1.7	717	1.3	17,070	32.0
CONNECTICUT	36,909	32,317	87.4	3	0.0	2,311	6.2	1,795	4.9	566	1.5	3	0.0
DELAWARE	9,910	5,429	54.7	579	5.8	402	4.0	151	1.5	107	1.0	3,160	31.8
DISTRICT OF COLUMBIA	10,030	5,569	55.5	534	5.3	462	4.6	244	2.4	160	1.6	3,029	30.2
FLORIDA	161,371	85,620	52.7	14,077	9.1	7,163	4.4	3,159	2.0	2,191	1.4	449,213	34.0
GEORGIA	110,402	56,555	51.2	9,100	8.2	5,000	4.5	1,103	1.1	1,033	1.0	120,011	33.0
HAWAII	14,967	7,007	46.8	705	5.2	556	3.7	303	2.0	206	1.4	4,010	40.0
IDAHO	15,449	9,047	58.6	619	5.3	620	5.3	243	1.6	173	1.1	3,547	23.0
ILLINOIS	177,061	102,130	57.7	9,100	5.2	5,960	3.4	2,231	1.3	2,211	1.2	55,075	31.0
INDIANA	99,140	50,509	50.9	2,172	2.2	3,404	3.5	1,299	1.3	1,142	1.2	36,534	36.8
IOWA	50,200	31,779	63.3	2,620	4.5	2,002	3.5	907	1.8	679	1.2	20,235	34.0
KANSAS	45,223	26,096	57.7	2,204	4.9	1,900	4.2	936	2.1	805	2.0	13,194	29.0
KENTUCKY	62,405	32,450	52.0	2,750	4.4	2,937	4.7	807	1.3	1,100	1.8	22,005	35.0
LOUISIANA	80,300	42,200	52.7	6,501	7.5	4,107	4.0	604	1.0	1,117	1.3	31,571	36.0
MAINE	22,262	13,492	60.6	1,900	6.0	1,220	5.5	352	1.6	267	0.9	5,023	22.0
MARYLAND	70,993	37,275	52.5	4,770	6.7	2,470	3.5	1,231	1.7	972	1.4	24,207	34.0
MASSACHUSETTS	97,224	56,075	57.7	6,095	6.3	4,215	4.3	1,955	2.0	660	0.7	27,426	28.0
MICHIGAN	162,735	79,962	49.1	9,907	6.1	13,221	8.1	3,196	2.0	1,547	1.0	54,002	33.0
MINNESOTA	70,750	39,392	55.7	6,193	8.8	3,997	4.4	650	1.2	720	1.0	20,490	29.0
MISSISSIPPI	51,115	24,955	48.8	3,951	7.7	2,090	4.1	702	1.4	730	1.4	10,067	30.0
MISSOURI	60,344	46,761	77.4	3,347	3.0	4,017	5.2	2,006	2.3	1,209	1.4	30,344	34.0
MONTANA	12,313	9,479	77.0	1,109	9.0	660	5.0	302	2.5	323	2.6	614	3.0
NEBRASKA	30,570	17,540	57.4	2,043	6.7	1,552	5.1	509	1.7	505	1.7	10,421	27.0
NEVADA	12,703	7,366	58.0	7	0.0	453	3.6	229	1.8	151	1.2	4,506	35.0
NEW HAMPSHIRE	15,993	9,021	56.5	1,303	6.5	626	3.9	395	2.5	151	0.9	3,037	22.0
NEW JERSEY	134,070	73,593	54.9	4,011	3.0	7,219	5.4	2,250	1.7	1,005	1.2	65,100	33.0
NEW MEXICO	27,363	14,532	53.1	2,009	7.7	1,629	6.0	520	1.9	267	1.0	6,316	30.0
NEW YORK	290,701	145,647	50.1	19,070	6.4	10,231	3.4	4,402	1.5	2,094	0.9	114,009	30.0
NORTH CAROLINA	100,239	55,120	55.0	10,011	15.1	5,013	4.7	1,602	1.5	1,017	1.0	120,070	25.0
NORTH DAKOTA	12,359	7,007	56.7	601	5.3	703	5.7	156	1.3	176	1.4	3,596	29.0
OHIO	177,023	96,927	54.7	6,110	3.4	9,637	5.4	2,733	1.5	1,097	1.0	60,513	34.0
OKLAHOMA	60,772	34,999	57.6	3,317	5.5	2,974	4.9	1,092	1.8	649	1.1	17,741	29.0
OREGON	45,742	24,400	53.4	3,557	7.0	2,251	4.9	933	2.0	765	1.7	13,627	30.0
PENNSYLVANIA	105,400	102,207	97.0	9,110	4.9	6,412	3.5	3,224	1.7	1,903	1.1	62,550	33.0
PRINCE EDWARD ISLAND	14,000	6,044	43.2	604	5.7	675	4.8	352	2.5	216	1.5	3,105	22.0
SOUTH CAROLINA	50,100	32,323	64.5	4,027	6.9	2,027	4.5	970	1.7	1,009	1.9	17,000	29.0
SOUTH DAKOTA	15,376	8,355	54.4	1,040	6.8	575	3.7	219	1.4	171	1.1	5,010	32.0
TENNESSEE	70,134	39,409	56.2	4,010	5.3	4,975	6.5	620	1.1	1,266	1.7	25,030	33.0
TEXAS	201,910	170,029	84.2	23,500	9.7	13,130	5.4	3,973	1.6	3,171	1.3	27,027	11.0
UTAH	20,023	15,640	78.1	2,107	7.9	1,100	4.4	371	1.4	310	1.2	7,201	20.0
VERMONT	11,000	6,242	56.7	1,005	9.1	650	7.3	191	1.6	170	1.5	3,162	27.0
VIRGINIA	102,020	50,300	49.3	7,304	7.2	4,004	4.5	1,950	1.9	1,720	1.7	30,764	29.0
WASHINGTON	61,012	34,757	57.0	3,070	6.4	3,123	5.1	1,129	1.9	1,000	1.6	17,043	27.0
WEST VIRGINIA	40,299	22,503	55.8	2,705	6.7	1,727	4.3	505	1.3	357	0.9	12,502	31.0
WISCONSIN	77,072	45,311	58.8	4,727	6.1	3,130	4.1	1,340	1.7	1,079	1.4	21,409	27.0
WYOMING	13,542	7,010	51.8	602	6.5	770	5.7	157	1.2	147	1.1	4,000	33.0

<sup>1</sup> Data not available for library support staff.

<sup>2</sup> Library support staff included with instructional aides.

<sup>3</sup> Data not available.

<sup>4</sup> Data not available for library support staff and administrative support staff.

<sup>5</sup> Data not available for administrative support staff.

<sup>6</sup> Data not available for library support staff, administrative support staff and a number of other types of noncertified personnel.

<sup>7</sup> Instructional aides included in all other support staff.

<sup>8</sup> A number of types of noncertified personnel not reported.

NOTE.—See Methodology section for a description of the data editing and State verification procedures.

The actual figure for "all other support staff" is an undercount due to nonreporting of some types of support staff as indicated. An estimate of the undercount was made by taking the national percentage of these types of staff (0.5 percent for library aides, 7.8 percent for administrative support staff, for example) as a basis for estimation and applying the percentages to the individual State staff totals for those States where data were not reported. It is estimated that the undercount for "all other support staff" and hence for "total staff" is about 80,000.

Table 2.—Number and percentage of staff employed by public school systems, by type of staff, and by State:  
50 States and D.C., fall 1982

STATE AND UTMFR AREA	TOTAL STAFF	(FULL-TIME EQUIVALENT ASSIGNMENTS)												
		INSTRUCTIONAL STAFF				SUPPORT STAFF								
		TEACHERS		INSTRUCTIONAL AIDES		OFFICIALS AND ADMINISTRATORS AND SCHOOL ADMINISTRATORS		GUIDANCE COUNSELORS		LIBRARIANS		ALL OTHER SUPPORT STAFF		
		NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
TOTAL 50 STATES AND D.C.	3,931,312	2,120,005	54.0	205,051	7.5	103,426	4.7	63,312	1.6	40,979	1.2	1,230,730	31.2	
ALABAMA	65,554	35,619	54.3	2,930	4.5	2,714	4.1	459	1.0	1,255	1.8	122,475	36.5	
ALASKA	8,384	5,710	68.1	995	11.9	424	5.1	174	2.1	147	1.8	934	11.1	
ARIZONA	50,270	26,194	52.1	3,670	7.3	2,342	4.7	700	1.4	594	1.2	10,757	21.4	
ARKANSAS	44,000	23,713	53.9	2,260	5.1	2,356	5.3	554	1.3	762	1.6	14,503	32.9	
CALIFORNIA	392,341	170,674	43.5	25,364	14.9	10,127	4.1	4,430	2.1	1,145	0.3	137,003	35.1	
COLORADO	55,725	29,300	52.4	4,278	7.7	3,032	5.4	910	1.6	710	1.3	17,415	31.3	
CONNECTICUT	37,403	32,740	87.5	3	0.0	2,217	6.2	1,624	4.9	567	1.5	1,242	3.3	
DELAWARE	9,980	5,400	54.0	550	5.0	517	5.2	145	1.5	109	1.1	3,242	32.5	
DISTRICT OF COLUMBIA	10,001	5,355	53.5	710	7.3	470	4.7	240	2.5	170	1.7	3,120	31.0	
FLORIDA	100,524	83,301	82.8	13,210	6.2	7,102	4.4	3,204	2.0	2,206	1.4	41,015	32.0	
GEORGIA	110,422	50,510	45.7	9,105	6.2	4,900	4.5	1,176	1.1	1,035	1.7	130,790	33.3	
HAWAII	15,310	7,077	46.2	911	5.9	572	3.7	370	2.5	247	1.6	4,133	27.1	
IDAH0	15,310	9,790	63.9	769	5.0	822	5.4	250	1.6	171	1.1	3,500	22.9	
ILLINOIS	101,401	104,619	103.2	9,051	5.0	6,103	3.4	4,347	1.3	2,303	1.3	50,970	31.4	
INDIANA	90,506	50,520	55.8	25,053	5.9	3,500	3.0	1,334	1.4	1,107	1.2	30,204	30.7	
IOWA	50,427	32,110	63.7	2,620	4.5	2,091	3.6	909	1.6	674	1.2	20,014	36.3	
KANSAS	44,757	26,056	58.2	1,997	4.5	1,913	4.3	921	2.1	600	2.0	12,901	29.0	
KENTUCKY	62,076	32,237	52.1	2,041	4.5	2,745	4.4	825	1.3	1,107	1.0	22,921	36.0	
LOUISIANA	65,457	42,497	64.9	6,218	7.3	3,964	4.4	820	1.0	1,171	1.4	30,575	39.0	
MAINE	21,300	12,910	60.6	1,700	6.4	1,105	5.2	334	1.4	199	0.9	4,972	23.3	
MARYLAND	71,265	37,700	52.9	4,004	4.6	2,493	3.5	1,274	1.0	1,005	1.4	20,009	28.2	
MASSACHUSETTS	96,177	56,490	58.7	5,022	4.1	4,400	4.0	1,000	2.0	656	0.7	20,000	27.9	
MICHIGAN	100,950	80,304	79.6	10,400	6.3	10,100	9.7	3,270	2.0	1,540	0.9	55,113	33.0	
MINNESOTA	72,370	39,775	54.9	4,453	6.9	3,104	4.4	409	1.2	742	1.0	21,355	29.5	
MISSISSIPPI	49,134	25,176	51.2	2,479	5.0	2,131	4.3	690	1.4	741	1.5	17,909	36.4	
MISSOURI	87,095	40,047	46.0	3,410	3.9	4,000	5.3	1,704	2.0	1,199	1.4	34,795	35.0	
MONTANA	12,220	9,517	77.8	1,033	6.4	609	5.0	290	2.4	324	2.7	3,362	3.0	
NEBRASKA	30,303	17,301	57.1	2,123	7.0	1,527	5.0	500	1.7	405	1.0	10,301	27.5	
NEVADA	12,975	7,222	55.7	7	0.0	459	5.0	290	3.5	157	1.9	7,407	1.0	
NEW HAMPSHIRE	15,709	9,750	61.0	1,272	6.1	620	4.0	373	2.4	150	1.0	3,600	22.9	
NEW JERSEY	135,765	74,303	54.4	4,620	3.4	7,110	5.2	2,204	1.7	1,017	1.4	49,027	33.0	
NEW MEXICO	27,110	14,323	52.8	2,470	9.0	1,009	3.9	501	1.0	240	0.9	6,327	20.7	
NEW YORK	290,000	144,591	50.0	17,000	4.0	9,017	3.2	4,429	1.5	2,000	0.9	110,930	29.3	
NORTH CAROLINA	104,005	55,201	52.1	10,022	15.0	4,951	4.0	1,590	1.5	2,017	1.9	120,044	29.2	
NORTH DAKOTA	12,300	7,071	57.5	009	4.9	720	5.9	137	1.1	101	1.3	3,004	29.3	
OHIO	170,509	94,126	55.2	5,772	3.2	9,204	5.2	2,800	1.6	1,749	1.0	64,050	36.3	
OKLAHOMA	61,590	34,900	56.7	3,370	5.5	3,004	4.9	1,091	1.0	603	1.0	10,502	16.1	
OREGON	45,934	24,074	52.4	3,400	7.5	2,400	4.9	929	4.0	703	1.7	14,014	31.0	
PENNSYLVANIA	100,903	103,055	102.1	9,037	4.0	6,497	3.4	3,297	1.7	1,976	1.0	60,241	34.0	
RHODE ISLAND	10,110	6,054	60.0	803	5.7	479	4.0	352	2.5	222	1.6	3,200	22.7	
SOUTH CAROLINA	50,504	32,244	63.8	0,114	7.1	2,474	6.0	971	1.7	1,092	1.9	17,207	29.5	
SOUTH DAKOTA	14,005	7,974	56.9	1,001	7.1	740	5.3	206	1.5	179	1.3	3,905	28.2	
TENNESSEE	77,007	39,000	50.6	4,173	5.4	5,050	6.5	643	1.1	1,203	1.4	120,009	30.2	
TEXAS	240,477	107,035	44.5	20,492	10.1	12,936	5.4	4,024	2.0	3,107	1.3	97,001	11.3	
UTAH	24,504	15,336	62.6	1,503	4.0	1,000	4.0	309	1.4	331	1.2	7,001	29.7	
VERMONT	11,532	6,100	52.9	1,039	9.0	059	7.4	191	1.7	175	1.5	3,079	26.7	
VIRGINIA	102,004	50,030	49.0	7,270	7.1	4,037	4.5	1,000	1.9	1,705	1.7	131,002	30.2	
WASHINGTON	59,022	34,056	57.7	3,050	4.5	3,094	5.2	1,095	1.0	1,070	1.0	10,439	27.0	
WEST VIRGINIA	40,120	22,159	55.2	2,519	6.5	1,714	4.3	500	1.2	349	0.9	12,705	31.9	
WISCONSIN	74,050	35,007	47.1	4,000	5.0	3,490	4.0	1,350	1.0	1,002	1.4	21,013	27.9	
WYOMING	12,000	6,700	55.8	792	4.2	702	5.9	149	1.2	130	1.1	4,290	35.4	
OTHER AREAS:														
GUAM	2,593	1,323	51.0	105	7.1	71	2.7	00	2.5	19	0.7	929	35.0	
PUERTO RICO	37,503	34,045	90.8	1,509	4.2	1,559	4.1	510	1.4	579	1.5	521	1.4	
VIRGIN ISLANDS	3,919	1,447	36.9	403	10.3	170	4.3	73	1.9	43	1.1	1,377	40.2	

1 Data not available for library support staff.  
 2 Library support staff included with instructional aides.  
 3 Data not available.  
 4 Data not available for library support staff and administrative support staff.  
 5 Data not available for administrative support staff.  
 6 Data not available for library support staff, administrative support staff and a number of other types of noncertified personnel.  
 7 Instructional aides included in all other support staff.  
 8 A number of types of noncertified personnel not reported.

NOTES.—See Methodology section for a description of the data editing and State verification procedures.

The actual figure for "all other support staff" is an undercount due to nonreporting of some types of support staff, as indicated. An estimate of the undercount was made by taking the national percentage of these types of staff (0.5 percent for library aides, 7.8 percent for administrative support staff, for example) as a basis for estimation and applying the percentages to the individual State staff totals for those States where data were not reported. It is estimated that the undercount for "all other support staff" and hence for "total staff" is about 80,000.

Table 3.—Number and percentage of change in staff employed by public school systems, by type of staff, and by State:  
50 States and D.C., fall 1982 to fall 1983

STATE	TOTAL STAFF	(FULL-TIME EQUIVALENT ASSIGNMENTS)										
		INSTRUCTIONAL STAFF				SUPPORT STAFF						
		TEACHERS		INSTRUCTIONAL AIDES		OFFICIALS AND ADMINISTRATORS AND SCHOOL ADMINISTRATORS		GUIDANCE COUNSELORS		LIBRARIANS		ALL OT SUPPU STAF
		NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER	PER-CENT	NUMBER
TOTAL 50 STATES AND D.C.	-23,769	5,794	0.3	-7,525	-2.6	4,192	2.3	-750	-1.2	-500	-1.1	-24,972
ALABAMA	-7,641	256	0.7	-476	-10.2	-29	-1.1	2	0.3	0	0.0	<sup>1</sup> -7,394
ALASKA	2,766	549	9.0	-17	-1.7	95	22.4	17	9.0	-5	-3.4	2,127
ARIZONA	101	70	0.3	21	0.6	-67	-2.9	-23	-3.2	-0	-1.3	100
ARKANSAS	172	-17	-0.1	-129	-5.7	22	0.9	-7	-1.3	-11	-1.6	314
CALIFORNIA	-11,737	-304	-0.4	<sup>2</sup> -10,663	-10	6,193	39.3	126	2.8	-5	-0.4	-7,154
COLORADO	-1,744	-959	-3.3	-788	-10.4	-243	-9.3	18	2.0	7	1.0	261
CONNECTICUT	-474	-443	-1.4	3	3	-1	0.0	-29	-1.0	-1	-0.2	.
DELAWARE	-64	20	0.4	21	3.0	-35	-0.0	6	4.1	-2	-1.0	-74
DISTRICT OF COLUMBIA	-47	214	4.0	-176	-24.8	12	2.0	-4	-1.0	10	5.9	-99
FLORIDA	647	1,727	2.1	1,461	11.1	1	0.0	-45	-1.4	-95	-4.2	<sup>4</sup> -2,202
GEORGIA	60	45	0.1	-5	-0.1	2	0.0	7	0.0	-2	-0.1	13
HAWAII	-331	-70	-1.0	-126	-10	-16	-2.8	5	1.3	-1	-0.4	<sup>4</sup> -123
IDAH0	139	57	0.6	50	0.5	-2	-0.2	-7	-2.0	2	1.2	39
ILLINOIS	-3,000	-2,409	-2.4	135	1.5	-195	-3.2	-136	-5.7	-92	-4.0	-1,103
INDIANA	554	-19	0.0	<sup>2</sup> 319	5.5	-10	-0.5	-35	-2.0	-75	-2.1	330
IOWA	-139	-331	-1.0	-3	-0.1	-29	-1.4	-2	-0.2	5	0.7	221
KANSAS	466	40	0.2	207	10.4	-5	-0.3	15	1.0	-4	-0.4	213
KENTUCKY	-211	221	0.7	-83	-2.9	192	7.0	-10	-2.2	-7	-0.6	-510
LOUISIANA	923	-497	-4.2	203	4.6	139	3.5	56	6.0	-54	-4.0	996
MAINE	954	502	4.5	172	9.6	123	11.1	10	5.4	0	0.0	551
MARYLAND	-292	-405	-1.3	66	1.0	-15	-0.6	-43	-3.4	-33	-3.3	190
MASSACHUSETTS	1,047	375	0.7	273	4.7	-224	-5.2	46	2.4	4	0.6	570
MICHIGAN	-4,215	-302	-0.5	-502	-4.0	-2,939	-10	-82	-2.5	1	0.1	-311
MINNESOTA	-1,020	-383	-1.0	-260	-4.0	-87	-2.7	-11	-1.3	-22	-3.0	-857
MISSISSIPPI	1,901	-221	-0.9	1,472	59.4	-41	-1.9	4	0.0	-11	-1.5	770
MISSOURI	440	714	1.0	-63	-1.8	-63	-1.3	302	17.1	10	0.0	-451
MONTANA	87	-38	-0.4	76	7.4	-3	-0.4	3	1.0	-3	-0.9	652
NEBRASKA	195	167	1.0	-80	-3.0	25	1.0	3	0.6	20	4.1	100
NEVADA	-272	144	2.0	7	7	-6	-1.3	-61	-21.0	-6	-3.0	<sup>7</sup> -343
NEW HAMPSHIRE	204	63	0.0	91	7.2	-2	-0.3	22	5.9	1	0.7	29
NEW JERSEY	-1,095	-710	-1.0	191	4.1	105	1.5	-30	-1.3	-12	-0.7	-639
NEW MEXICO	245	209	1.5	-571	-21	500	55.3	19	3.0	19	7.7	-11
NEW YORK	712	1,050	0.7	1,270	7.1	614	6.4	33	0.7	6	0.2	-2,267
NORTH CAROLINA	-446	-135	-0.2	-11	-0.1	62	1.3	12	0.0	-200	-9.9	<sup>1</sup> -174
NORTH DAKOTA	51	-4	-0.1	52	0.5	-25	-3.4	19	13.9	15	9.3	-6
OHIO	-926	2,001	3.0	344	6.0	433	4.7	-127	-4.4	-52	-3.0	-4,325
OKLAHOMA	-810	39	0.1	-53	-1.6	-30	-1.0	1	0.1	46	7.6	-821
OREGON	-142	335	1.4	89	2.6	-15	-0.7	4	0.4	-10	-2.3	-507
PENNSYLVANIA	-3,437	-1,640	-1.0	73	0.0	-5	-1.3	-73	-2.2	-13	-0.7	-1,691
RHODE ISLAND	-30	-6	-0.1	1	0.1	-4	-0.6	0	0.0	-5	-2.7	-23
SOUTH CAROLINA	-190	79	0.2	-87	-2.1	-49	-1.0	3	0.3	-3	-0.3	-141
SOUTH DAKOTA	1,311	301	4.0	39	3.9	-165	-22.3	13	6.3	-8	-4.5	1,051
TENNESSEE	-1,733	-251	-0.0	-155	-3.7	-84	-1.7	-15	-1.0	3	0.2	<sup>1</sup> -1,231
TEXAS	1,433	2,794	1.7	-1,112	-4.5	194	1.5	-653	-17.7	64	2.1	546
UTAH	255	304	2.0	924	33.1	110	11.0	2	0.5	-13	-3.9	-680
VERMONT	154	53	0.4	26	2.5	-9	-1.0	0	0.0	3	1.7	83
VIRGINIA	154	350	0.0	100	1.5	-33	-0.7	50	2.6	-39	-2.2	-278
WASHINGTON	1,390	701	2.1	10	0.5	27	0.9	34	3.1	6	0.6	604
WEST VIRGINIA	171	344	1.0	86	3.3	11	0.6	5	1.0	0	2.3	-203
WISCONSIN	214	254	0.0	259	5.0	-360	-10.3	-2	-0.1	-3	-0.3	56
WYOMING	730	304	4.5	90	11.4	16	2.1	0	5.4	0	5.0	312

<sup>1</sup> Data not available for library support staff.

<sup>2</sup> Library support staff included with instructional aides.

<sup>3</sup> Data not available.

<sup>4</sup> Data not available for library support staff and administrative support staff.

<sup>5</sup> Data not available for administrative support staff.

<sup>6</sup> Data not available for library support staff, administrative support staff and a number of other types of noncertified personnel.

<sup>7</sup> Instructional aides included in all other support staff.

<sup>8</sup> A number of types of noncertified personnel not reported.