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PROJECTIONS OF THE SCHOOL-AGE POPULATION, BY STATES  
1959 TO 1963\*

This report presents short-range projections of the population of school age (5 to 17 years) by States, for each year, 1959 to 1963. Three series of projections are shown, the series varying with respect to the allowance for future net migration between the States. Two of the series include explicit allowances following the pattern of migration in the period 1950 to 1957. A third series, assuming no net interstate migration, is also provided as a guide to those interested in modifying the migration assumptions incorporated in the other two series of projections.

The present report does not include estimates of school enrollment for future years. Since enrollment at ages 5 to 17 is relatively complete, only very small increases in the rates can be expected in future years; any such increases would be concentrated in the later high school ages (16 and 17).<sup>1</sup> Consequently, the projected size and implied rates of growth of the population of school age shown here are indicative of prospects relating to enrollment and should prove useful for measuring short-run requirements for school facilities at the elementary and high school levels.

TRENDS IN SCHOOL-AGE POPULATION

National trends and prospects.--The number of children of school age (5 to 17 years) is now at its highest point in our history, and continued growth

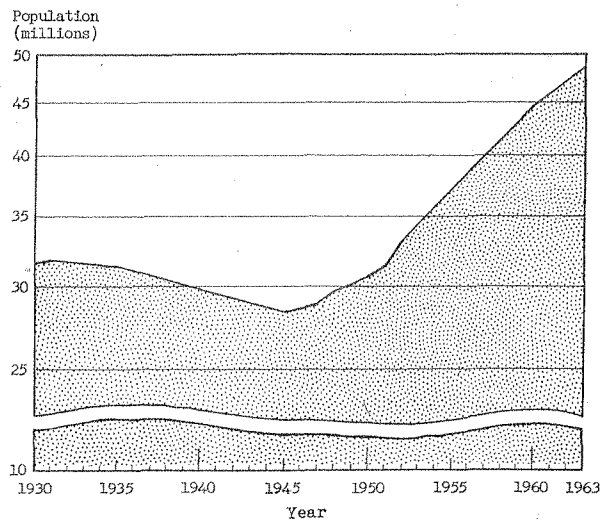
<sup>1</sup> The percent of the population 5 to 17 years old enrolled in school in October 1958, by age, is as follows: age 5 years (including kindergarten), 83.9; 6 years, 97.3; 7 to 9 years, 99.5; 10 to 13 years, 99.5; 14 and 15 years, 96.9; 16 and 17 years, 80.5. See U. S. Bureau of the Census, Current Population Reports, Series P-20, No. 93, "School Enrollment: October 1958," March 1959.

can be expected until at least 1963 when children born in 1958 enter this group. The number of children of school age has grown steadily from a low point of 28½ million at the end of World War II to about 41.8 million in mid-1958. In the next five years, the number of children of school age will grow by about 1½ million annually, to about 48.8 million by July 1963; this gain of 7 million is about the same as occurred in the group in the five years since 1953.

The rate of growth in the school-age group since 1950 has been substantially higher than that of the total population; in fact, this group has

Figure 1.--POPULATION 5 TO 17 YEARS OF AGE: 1930 TO 1963

(A semilogarithmic scale is used to indicate relative rather than absolute change)



\* This report was prepared at the request and expense of the National Education Association, Washington, D. C.

grown roughly twice as rapidly as the total population. Some slowdown in the rate of growth for the school-age group is anticipated for the next several years. Between 1958 and 1963, the annual growth rate may average about 3.2 percent as compared with an average annual rate of 3.9 percent between 1950 and 1958. The total population, on the other hand, may continue to grow at the rate of about 1.7 percent, the rate which prevailed during the period 1950 to 1958. The trend in the growth of the school-age population of the United States annually since 1930 is illustrated graphically in figure 1.

Prospects for growth by States.--For the United States as a whole, the population of this group over the next five years can be determined with a high degree of accuracy since it involves only persons already born and changes due to death and net immigration in the base population for only a few years hence. Thus, the national figures should contain relatively little error. Projections of State population, however, involve assumptions regarding future interstate migration and, even in the short run, these are subject to a considerable degree of uncertainty. Two of the series of projections shown here indicate the size of the school-age group in each State assuming a continuation of the recent past pattern of interstate migration. Because of the short-term nature of the projections and the age group involved, it is believed that these figures can be used with greater confidence than that which is usually attached to projections of State population. The future population in this age group has also been projected on the assumption of no further interstate migration.

The projections indicate that practically all States can be expected to have more children of school age in 1963 than in 1957. Yet, there is considerable variation in the projected rates of growth. On the assumption of a continuation of the 1950-57 levels of migration, States with rates of growth well above the national average of 21 percent would be Alaska (81 percent), Arizona (42 percent), Delaware (42 percent), California (39 percent), Florida (45 percent), and Nevada (50 percent). Areas with expected small declines (under this assumption) are Arkansas, West Virginia, and Puerto Rico. Because of the much higher birth rates since the end of World War II than during the early 1940's, all areas would have a greater number of children of school age in 1963 than in 1957 if there were no losses resulting from interstate migration. The tremendous variations of expected change in this age group over the next five years (for all series) are not just a result of differences in the projections of migration and deaths for each State; they are also affected by past changes in migration and mortality levels and by fertility differences among the States. Thus, even if there should be no further redistribution of population through migration between 1957 and 1963, growth in this group by States would still vary from about 72 percent for Alaska and 44 percent for the District of Columbia, to 11 percent for Arkansas and Oklahoma.

The influence of the projected interstate migration is illustrated in table A below, which shows, for five selected States, the projected changes in the number of persons of school age between 1957 and 1963 under the various migration assumptions.

Table A.--RELATIVE SIZE OF POPULATION OF SCHOOL AGE,  
FOR SELECTED STATES: 1963

(1957 = 100)

State	Migration at 1950-57 levels	Migration at twice 1950-57 levels	No net migration
Arkansas.....	92	69	111
Connecticut.....	126	129	123
Florida.....	145	161	125
Mississippi.....	102	87	115
Nevada.....	159	180	133

#### METHODS AND ASSUMPTIONS

The general method used in developing the projections was the "cohort-survival" method. This procedure involves carrying forward the population, by age, on the basis of assumptions regarding future mortality and net migration. For the present computations, projections of fertility were not required, inasmuch as persons 5 to 17 years of age at all projection dates were born prior to July 1, 1958. The assumptions made regarding future mortality and migration are discussed below.

Mortality.--One set of survival rates was used to make allowances for mortality during the projection period. The rates are consistent with those used by the Bureau of the Census to develop the national population projections recently published in Current Population Reports, Series P-25, No. 187; the latter allow for moderate future declines in mortality.<sup>2</sup> No allowances were made for differences in mortality from one State to another. Mortality at the ages under consideration is at a relatively low level and, it is believed, any refinements in the procedure would have very little effect on the final projections of population.

Net interstate migration.--Three arbitrary assumptions on future net interstate migration were used. Because of the short-range nature of the projections, two of the sets of allowances for migration were based on the pattern of the recent past rather than on any long-term trends, providing, for at least one series, a smooth juncture from the present levels to the immediate future.

One series assumes that the 1950-57 pattern and level of net interstate migration for the 5-to-17-year age group will continue throughout the projection

<sup>2</sup> See U. S. Bureau of the Census, Current Population Reports, Series P-25, No. 187, "Illustrative Projections of the Population of the United States, by Age and Sex: 1960 to 1980," November 10, 1958, pp. 12-13.

period. A second series assumes that migration for this age group during the projection period will be at twice the level of the 1950-57 period. As indicated earlier, a third series is also shown assuming no net migration during the projection period. These projections represent simply the survivors of cohorts of persons in July 1957 who would be 5 to 17 years of age at each projection date. (For example, the projections for July 1, 1960, represent survivors of the population aged 2 through 14 years on July 1, 1957.) This series should prove useful as a benchmark in measuring the effect of various assumed levels of migration on the size of the age group in each State in later years.

The first two migration assumptions selected for use here are not intended to represent predictions of future net interstate migration but merely illustrations of sets of allowances for future migration for use in preparing projections of population.

Base population.---The population estimates used as the bases for these projections were those for July 1, 1957, recently published by the Bureau of the Census in Current Population Reports, Series P-25, No. 194. The necessary age detail required

for use here was developed from the data for broad age groups for 1957 on the basis of the distribution of population by age within the same age cohorts in 1950, for each State, and on the distribution of the number of births by years for each State, for 1950 to 1957. The estimates by age in 1957 were re-grouped into age groups that would correspond to the groups 5 to 17 years of age at each projection date. For example, to obtain the number 5 to 17 years of age on July 1, 1960, the starting population would be the population 2 to 14 years of age on July 1, 1957. This number was carried forward to July 1960 by subtracting the number of deaths occurring to the cohort between July 1, 1957 and 1960 (estimated as indicated above in the section on mortality) and by adding the number of net migrants assumed under each series of projections.

In each instance preliminary estimates of population, derived as described above, were adjusted to add to the national projections previously developed.

Alaska is not included in the national total for 1957 shown here inasmuch as it did not become a State until January 3, 1959. For comparability, Alaska is also excluded from the national projections for 1959 and later years.

Table 1.--PROJECTIONS OF THE POPULATION 5 TO 17 YEARS OF AGE, FOR THE UNITED STATES, BY STATES AND OTHER SELECTED AREAS: JULY 1, 1959 TO 1963, WITH COMPARATIVE FIGURES FOR 1950 AND 1957

(In thousands. Figures for 1959 to 1963 include the small number of 17-year-olds serving in the Armed Forces from each State)

Region, division, and State	1950 (April 1)	1957 (July 1) current estimates <sup>1</sup>	Migration at 1950-57 levels				
			1959	1960	1961	1962	1963
United States <sup>2</sup> .....	30,560	40,164	43,347	44,811	45,945	47,388	48,815
<b>REGIONS:</b>							
Northeast.....	7,085	9,160	9,821	10,112	10,297	10,589	10,908
North Central.....	8,709	11,675	12,671	13,140	13,524	14,016	14,493
South.....	11,001	13,557	14,394	14,779	15,064	15,393	15,725
West.....	3,765	5,772	6,460	6,781	7,061	7,390	7,685
<b>NORTHEAST:</b>							
New England.....	1,708	2,140	2,281	2,340	2,374	2,429	2,501
Middle Atlantic.....	5,377	7,020	7,540	7,772	7,923	8,160	8,407
<b>NORTH CENTRAL:</b>							
East North Central.....	5,854	8,121	8,877	9,235	9,535	9,928	10,303
West North Central.....	2,855	3,554	3,794	3,905	3,989	4,088	4,190
<b>SOUTH:</b>							
South Atlantic.....	4,843	6,231	6,684	6,899	7,070	7,271	7,460
East South Central.....	2,839	3,163	3,251	3,286	3,291	3,301	3,330
West South Central.....	3,318	4,163	4,459	4,594	4,703	4,821	4,935
<b>WEST:</b>							
Mountain.....	1,161	1,629	1,791	1,873	1,947	2,027	2,101
Pacific.....	2,604	4,144	4,669	4,908	5,114	5,363	5,584
<b>NEW ENGLAND:</b>							
Maine.....	196	223	233	237	238	240	245
New Hampshire.....	103	130	137	140	143	147	153
Vermont.....	81	90	93	94	94	95	96
Massachusetts.....	837	1,023	1,082	1,105	1,117	1,138	1,170
Rhode Island.....	138	181	195	201	204	209	214
Connecticut.....	353	493	541	563	578	600	623
<b>MIDDLE ATLANTIC:</b>							
New York.....	2,514	3,361	3,614	3,729	3,804	3,922	4,046
New Jersey.....	834	1,209	1,329	1,385	1,427	1,487	1,540
Pennsylvania.....	2,030	2,450	2,597	2,658	2,692	2,751	2,821
<b>EAST NORTH CENTRAL:</b>							
Ohio.....	1,505	2,135	2,346	2,446	2,531	2,643	2,751
Indiana.....	788	1,074	1,170	1,215	1,251	1,296	1,338
Illinois.....	1,564	2,134	2,318	2,404	2,474	2,571	2,666
Michigan.....	1,297	1,861	2,056	2,149	2,232	2,337	2,434
Wisconsin.....	699	916	987	1,021	1,047	1,081	1,114
<b>WEST NORTH CENTRAL:</b>							
Minnesota.....	615	804	862	890	911	938	967
Iowa.....	536	655	690	705	716	730	743
Missouri.....	765	935	996	1,024	1,045	1,074	1,105
North Dakota.....	148	169	176	180	182	183	185
South Dakota.....	144	173	184	189	193	196	199
Nebraska.....	266	331	356	367	376	384	392
Kansas.....	379	486	530	550	566	583	599
<b>SOUTH ATLANTIC:</b>							
Delaware.....	61	98	111	117	124	132	139
Maryland.....	457	687	760	794	821	858	889
District of Columbia.....	113	145	161	169	173	178	185
Virginia.....	731	946	1,018	1,051	1,075	1,104	1,132
West Virginia.....	500	528	527	525	517	511	508
North Carolina.....	1,027	1,198	1,253	1,278	1,295	1,311	1,330
South Carolina.....	574	683	717	734	744	753	764
Georgia.....	840	1,013	1,069	1,095	1,114	1,136	1,159
Florida.....	541	933	1,068	1,136	1,207	1,288	1,354
<b>EAST SOUTH CENTRAL:</b>							
Kentucky.....	712	801	819	828	830	834	842
Tennessee.....	770	883	916	930	934	942	953
Alabama.....	783	867	891	899	899	901	909
Mississippi.....	574	611	625	629	628	624	626
<b>WEST SOUTH CENTRAL:</b>							
Arkansas.....	482	475	467	463	452	442	436
Louisiana.....	637	820	882	912	938	967	997
Oklahoma.....	508	547	557	560	560	559	561
Texas.....	1,692	2,322	2,553	2,659	2,753	2,853	2,941
<b>MOUNTAIN:</b>							
Montana.....	127	168	181	187	193	200	205
Idaho.....	142	173	181	185	188	190	193
Wyoming.....	63	81	87	90	92	94	95
Colorado.....	271	400	444	466	486	507	527
New Mexico.....	176	233	252	263	273	283	294
Arizona.....	181	282	319	339	358	380	400
Utah.....	172	233	257	267	275	285	294
Nevada.....	30	59	70	76	82	88	93
<b>PACIFIC:</b>							
Washington.....	451	644	707	732	750	772	792
Oregon.....	298	413	450	464	474	486	496
California.....	1,856	3,087	3,512	3,712	3,890	4,105	4,296
<b>OTHER AREAS:</b>							
Alaska.....	23	42	54	60	66	71	76
Hawaii.....	117	153	166	172	177	177	177
Puerto Rico.....	718	742	754	759	757	726	698

<sup>1</sup> Excludes the small number of persons in the Armed Forces.

<sup>2</sup> United States excluding Alaska, Hawaii, and Puerto Rico.

Table 1.--PROJECTIONS OF THE POPULATION 5 TO 17 YEARS OF AGE, FOR THE UNITED STATES, BY STATES AND OTHER SELECTED AREAS: JULY 1, 1959 TO 1963, WITH COMPARATIVE FIGURES FOR 1950 AND 1957--Con.

(In thousands. Figures for 1959 to 1963 include the small number of 17-year-olds serving in the Armed Forces from each State)

Region, division, and State	Migration at twice 1950-57 levels					No net migration				
	1959	1960	1961	1962	1963	1959	1960	1961	1962	1963
United States <sup>1</sup> .....	43,347	44,811	45,945	47,388	48,815	43,234	44,640	45,715	47,099	48,467
<b>REGIONS:</b>										
Northeast.....	9,802	10,084	10,256	10,539	10,846	9,827	10,120	10,305	10,605	10,927
North Central.....	12,719	13,207	13,616	14,138	14,640	12,607	13,043	13,394	13,847	14,290
South.....	14,245	14,558	14,764	15,001	15,249	14,491	14,920	15,255	15,652	16,039
West.....	6,580	6,962	7,307	7,712	8,077	6,310	6,557	6,758	6,998	7,212
<b>NORTHEAST:</b>										
New England.....	2,258	2,307	2,327	2,371	2,428	2,299	2,367	2,408	2,477	2,558
Middle Atlantic.....	7,544	7,777	7,929	8,168	8,418	7,528	7,753	7,897	8,128	8,369
<b>NORTH CENTRAL:</b>										
East North Central.....	8,947	9,337	9,674	10,111	10,523	8,793	9,109	9,365	9,707	10,036
West North Central.....	3,772	3,870	3,942	4,027	4,117	3,814	3,934	4,029	4,140	4,254
<b>SOUTH:</b>										
South Atlantic.....	6,676	6,887	7,054	7,250	7,434	6,666	6,871	7,032	7,225	7,406
East South Central.....	3,154	3,141	3,095	3,045	3,019	3,333	3,406	3,456	3,520	3,594
West South Central.....	4,415	4,530	4,615	4,706	4,796	4,492	4,643	4,767	4,907	5,039
<b>WEST:</b>										
Mountain.....	1,809	1,899	1,984	2,074	2,160	1,767	1,837	1,898	1,965	2,026
Pacific.....	4,771	5,063	5,323	5,638	5,917	4,543	4,720	4,860	5,033	5,186
<b>NEW ENGLAND:</b>										
Maine.....	227	229	227	226	228	237	243	247	252	260
New Hampshire.....	137	140	142	147	152	137	141	143	148	153
Vermont.....	89	89	87	85	84	96	99	100	103	106
Massachusetts.....	1,066	1,080	1,083	1,094	1,116	1,097	1,127	1,146	1,176	1,216
Rhode Island.....	194	200	203	208	213	195	201	204	210	215
Connecticut.....	545	569	585	611	635	537	556	568	588	608
<b>MIDDLE ATLANTIC:</b>										
New York.....	3,623	3,742	3,821	3,943	4,072	3,604	3,715	3,784	3,896	4,015
New Jersey.....	1,347	1,412	1,463	1,535	1,598	1,307	1,352	1,382	1,429	1,470
Pennsylvania.....	2,574	2,623	2,645	2,690	2,748	2,617	2,686	2,731	2,803	2,884
<b>EAST NORTH CENTRAL:</b>										
Ohio.....	2,367	2,477	2,573	2,698	2,818	2,321	2,408	2,480	2,576	2,671
Indiana.....	1,178	1,226	1,266	1,316	1,362	1,161	1,202	1,232	1,271	1,308
Illinois.....	2,329	2,420	2,496	2,600	2,701	2,304	2,384	2,447	2,536	2,624
Michigan.....	2,083	2,189	2,286	2,409	2,520	2,023	2,100	2,166	2,251	2,330
Wisconsin.....	990	1,025	1,053	1,088	1,122	984	1,016	1,040	1,072	1,103
<b>WEST NORTH CENTRAL:</b>										
Minnesota.....	861	888	908	935	963	863	891	913	941	971
Iowa.....	683	695	703	712	722	696	713	727	745	761
Missouri.....	992	1,017	1,037	1,063	1,092	999	1,029	1,053	1,083	1,117
North Dakota.....	172	174	173	172	172	180	185	189	192	196
South Dakota.....	181	184	186	186	188	187	194	199	204	209
Nebraska.....	354	364	372	379	385	358	370	380	389	398
Kansas.....	529	548	563	580	595	531	552	568	586	602
<b>SOUTH ATLANTIC:</b>										
Delaware.....	114	123	131	141	150	106	111	115	121	125
Maryland.....	774	815	849	895	934	743	768	787	813	835
District of Columbia.....	153	156	156	155	157	169	180	188	198	209
Virginia.....	1,019	1,053	1,079	1,108	1,137	1,016	1,048	1,071	1,099	1,126
West Virginia.....	506	493	474	455	441	545	551	553	558	566
North Carolina.....	1,236	1,253	1,261	1,267	1,276	1,267	1,299	1,323	1,349	1,375
South Carolina.....	706	717	720	723	727	727	749	763	779	795
Georgia.....	1,052	1,069	1,080	1,091	1,104	1,083	1,116	1,143	1,174	1,205
Florida.....	1,116	1,208	1,304	1,415	1,508	1,010	1,049	1,089	1,134	1,170
<b>EAST SOUTH CENTRAL:</b>										
Kentucky.....	798	797	788	778	775	837	854	866	881	899
Tennessee.....	897	901	895	892	892	932	953	966	985	1,005
Alabama.....	864	858	844	829	821	914	933	945	963	983
Mississippi.....	595	585	568	546	531	650	666	679	691	707
<b>WEST SOUTH CENTRAL:</b>										
Arkansas.....	434	413	385	354	330	496	505	508	516	526
Louisiana.....	875	903	925	950	977	887	921	949	982	1,015
Oklahoma.....	540	535	526	514	507	572	581	589	597	607
Texas.....	2,566	2,679	2,779	2,888	2,982	2,537	2,636	2,721	2,812	2,891
<b>MOUNTAIN:</b>										
Montana.....	181	188	194	200	206	181	187	192	199	204
Idaho.....	179	181	183	184	186	183	188	192	196	200
Wyoming.....	86	88	90	91	92	88	91	93	96	98
Colorado.....	452	478	502	529	553	434	451	466	481	495
New Mexico.....	250	260	268	277	286	254	266	277	288	300
Arizona.....	329	354	379	406	432	307	321	334	348	362
Utah.....	258	268	278	288	299	255	264	272	281	289
Nevada.....	74	82	90	99	106	65	69	72	76	78
<b>PACIFIC:</b>										
Washington.....	712	740	761	786	810	701	722	737	755	772
Oregon.....	453	470	481	496	508	445	458	465	475	482
California.....	3,606	3,853	4,081	4,356	4,599	3,397	3,540	3,658	3,803	3,932
<b>OTHER AREAS:</b>										
Alaska.....	55	61	68	74	79	53	58	64	68	72
Hawaii.....	165	170	175	174	174	167	173	178	179	179
Puerto Rico.....	711	694	670	612	560	797	823	845	841	836

<sup>1</sup> United States excluding Alaska, Hawaii, and Puerto Rico.

