

**ENROLLMENT PROJECTIONS
FOR MISSOURI
ELEMENTARY AND SECONDARY
PUBLIC SCHOOLS**



**PUBLIC AFFAIRS INFORMATION SERVICE
COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION
UNIVERSITY OF MISSOURI-COLUMBIA**

FOR THE

**DIVISION OF BUDGET AND PLANNING
OFFICE OF ADMINISTRATION
STATE OF MISSOURI**

OCTOBER, 1975

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ELEMENTARY AND SECONDARY PUBLIC SCHOOLS

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for the

Division of Budget and Planning
Missouri Office of Administration

October, 1975

The preparation of this report is financed in part through a comprehensive planning grant (CPA-MO-07-36-1023/SA-350) from the Department of Housing and Urban Development and contracted through the Missouri Office of Administration.

PREFACE

This report has been prepared to facilitate the development of a standardized set of Missouri elementary and secondary enrollment projections based upon existing information concerning enrollment participation and related demographic processes subject to certain underlying assumptions and constraints. It is the intent that these projections be used as interim, provisional projections for planning and decision-making research and analysis objectives undertaken by the Missouri Department of Elementary and Secondary Education and the Division of Budget and Planning of the Missouri Office of Administration.

It is not intended that these projections reflect an optimal nor desirable growth policy of the State, but rather the most probable events based upon currently compiled information. These projections are subject to modification and change as additional and more recent data become available and as the behavioral processes change.

The underlying methodology used in these projections has been developed by Bertha B. McClaskey of the Department of Elementary and Secondary Education, Michael Boxberger of the Division of Budget and Planning, and Warren G. Glimpse of the Public Affairs Information Service. Chai-Hung Luk and Jane Sadell of the Public Affairs Information Service, have been responsible for programming, data development, and actual generation of the projections. The responsibility for interpretation and application of these methods resulting in the projections contained in this report remain with the author.

Enrollment Projections for Missouri Elementary and Secondary Public Schools

This report describes the methodology used to develop interim, provisional projections of elementary and secondary public school enrollment by grade using a participation-grade progression method and presents the provisional projections for the state and by region for school years 1975-76 through 1979-80.

The methodology described here is based in part on established procedures for developing enrollment projections used by the Department of Elementary and Secondary Education in the past. The technique is based upon a deterministic model with the only trending parameter being a smoothing procedure to minimize the impact of irregular levels of enrollment or births in a given year. The underlying model is based upon relationships shown in equations (1) and (2).

$$(1) \frac{E_{i,j}(t+1)}{B_i(t-4-j)} = \left\{ \sum_{k=0}^m \frac{E_{i,j}(t-k)}{B_i(t-k-j-5)} \right\} / n; j=0,1$$

$$(2) \frac{E_{i,j}(t+1)}{E_{i,j-1}(t)} = \left\{ \sum_{k=0}^m \frac{E_{i,j}(t-k)}{E_{i,j-1}(t-k-1)} \right\} / n; j=2, \dots, 12$$

where the symbols denote the following:

E	enrollment
B	resident live births
i	region
j	grade
n	number of historical years
m	n - 1
t	current time period

Equation (1) applies to grades 0 (kindergarten) and 1, whereas equation (2) applies to grades 2 through 12. The underlying assumption in equation (1) is that the ratio of the number of persons enrolled in region i at grade 0 (or 1) at time t + 1 (the projection period) to the resident live births in region i five years earlier (or 6 if j = 1) is the same as the average rate for the n

historical periods beginning with the current time period. Thus, as the values of all variables are known, except for $E_{i,j}(t + 1)$, the enrollment can be projected by solving for this variable. Similarly, equation (2) states that the ratio of the number of persons enrolled in region i in grade j at time $t + 1$ to the number of persons enrolled in region i in grade $j - 1$ at time t is equal to the average ratio for n historical periods beginning with the current time period. Rearranging equations (1) and (2), the projection for one year ahead is obtained as shown in equations (3) and (4), respectively.

$$(3) \quad E_{i,j}(t+1) = B_i(t-4-j) \times \left\{ \sum_{k=0}^m \frac{E_{i,j}(t-k)}{B_i(t-k-j-5)} \right\} / n; \quad j=0,1$$

$$(4) \quad E_{i,j}(t+1) = E_{i,j-1}(t) \times \left\{ \sum_{k=0}^m \frac{E_{i,j}(t-k)}{E_{i,j-1}(t-k-1)} \right\} / n; \quad j=2, \dots, 12$$

Throughout this methodology when t is used with enrollment data, the data being used are the cumulative enrollment data report at the close of school year t . These data include double counting as they are defined to be inclusive of all students registered during the year. $E_{i,j}(73)$ denotes the enrollment in region i in grade j during the 1973-74 school year. Similarly, when t is used with resident live birth data, t refers to the calendar year in which the births occurred. Thus, $B_i(73)$ denotes the number of resident live births in region i during the calendar year 1973. It is recognized that age distributions with respect to the associated grade of enrollment will vary slightly from year to year; and that further for any one grade, students of two to three ages will be enrolled. It is assumed, since ratio methods are being used, that the impact and significance of these differences will be negligible. For illustrative purposes the distribution of persons by grade

by age are shown in Table 1 as derived from special tabulation of the 1970 Census Public Use Sample. Note that while this table is based upon the 1969-70 school year the tabulation is based upon age data as of April 1, 1970.

Table 1 depicts the diffusion of multiple ages enrolled in any given grade.

To insure that the summation of the regional enrollment projections are equal to the state projection, the state projection is developed first and used as a control total. Each of the regions are adjusted upward or downward by the proportion in region i in grade j to the summation of the regions in grade j . This proportion is multiplied times the differential as shown in equation (5) to arrive at the control total projection for region i in grade j .

$$(5) E_{i,j}^*(t+1) = \frac{E_{i,j}(t+1)}{\sum_{i=1}^{11} E_{i,j}(t+1)} \times \left\{ E_{s,j}(t+1) - \sum_{i=1}^{11} E_{i,j}(t+1) \right\} + E_{i,j}(t+1)$$

where $E_{s,j}(t+1)$ denotes the enrollment projection for the state in grade j at time $t + 1$ as determined by application of equations (3) and (4). The eleven areas are shown on the map and correspond to the Supervisory Districts as established by the Department of Elementary and Secondary Education. However, the program developed can prepare the projections for any regional county grouping or by single county.

Procedures described above only relate to the development of projections one year ahead. Projections are developed for subsequent years using an iterative process whereby the underlying techniques described in equations (1) through (5) apply, but projected values are substituted for historical values of enrollment for the required time periods beyond the current period, t . Note that when projecting only five years ahead, projections of resident live births are not required due to the lag.

Table 1

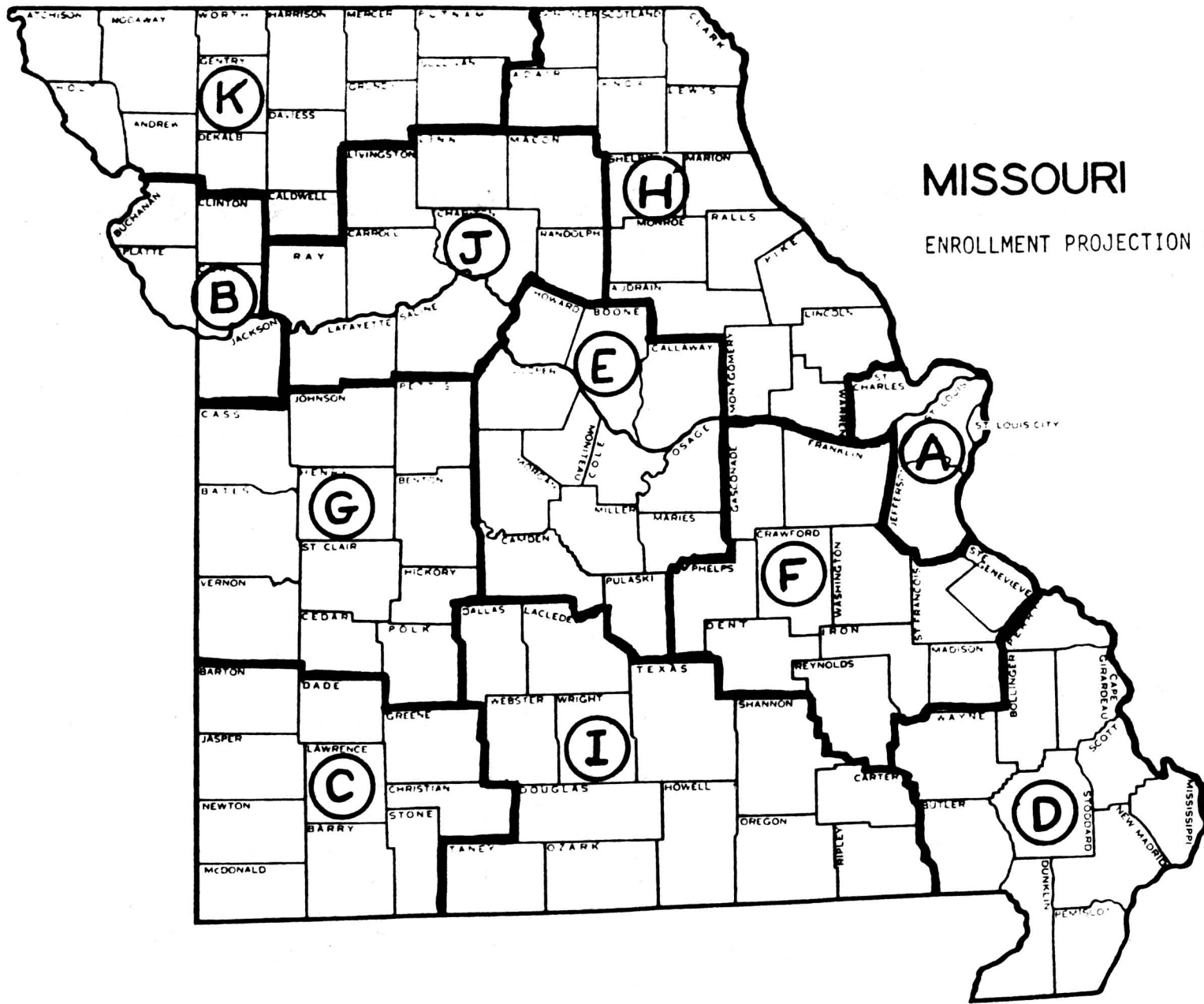
Enrollment by Age of Student - Missouri - 1970

(Hundreds)

Age	Grade														TOTAL
	N	K	1	2	3	4	5	6	7	8	9	10	11	12	
5	59	409	14	2											484
6	2	338	436	23	2										801
7	1	8	407	432	26	4									878
8			30	419	446	21	2								918
9			4	45	419	446	19	7	2						942
10			2	9	65	446	384	17	1						924
11				2	6	70	412	420	10						920
12					7	17	65	423	436	17	2				967
13				1	1	3	12	60	383	419	14	3			896
14					3	5	3	15	83	411	424	16	2	1	963
15			2			1	2	3	12	85	376	353	14	3	851
16			2	1			1	2	3	13	66	330	381	14	813
17			2			2		1	3	2	15	55	298	338	716
18			1			1		1	1	4	3	6	35	259	311
19			1				1		1	3	4	4	8	53	76
20					1			1			1			8	11
TOTAL	62	755	901	934	976	1,017	901	950	935	954	905	767	738	676	11,471

SOURCE: 1970 Census Public Use Sample; data as of April 1, 1970

NOTE: blank cells denotes zero



MISSOURI

ENROLLMENT PROJECTION REGIONS

The generalized equation corresponding to (1) and (2) when projecting ahead to period $t + g$ are shown in equations (6) and (7), respectively.

$$(6) \quad \frac{E_{i,j}(t+g)}{B_{i,j}(t+g-3-j)} = \left\{ \sum_{k=0}^{g-1} \frac{\hat{E}_{i,j}^*(t+k)}{B_{i,j}(t+k-j-5)} + \sum_{k=1}^{m-g+1} \frac{E_{i,j}(t-k)}{B_{i,j}(t-k-j-5)} \right\} / n; j=0,1$$

$$(7) \quad \frac{E_{i,j}(t+g)}{E_{i,j-1}(t-g-1)} = \left\{ \sum_{k=0}^{g-1} \frac{\hat{E}_{i,j}^*(t+k)}{\hat{E}_{i,j-1}^*(t+k-1)} + \sum_{k=1}^{m-g-1} \frac{E_{i,j}(t-k)}{E_{i,j-1}(t-k-1)} \right\} / n; j=2, \dots, 12$$

where $\hat{E}_{i,j}^*$ denotes a projected value for enrollment in region i in grade j where the time subscript is beyond the current period, t , and otherwise the historical enrollment observation.

The foregoing procedures apply only to kindergarten and grades 1 through 12. Due to uncertainty in the behavior of ungraded elementary and ungraded secondary enrollment, projected values for these variables were set at their value in the current time period for each of the projection periods.

Past enrollment projections using methods similar to these utilized five historical periods to project five future periods. In terms of equations (1) through (7) this means that $n = 5$. It might be argued that only the most recent year is relevant since technically no trend nor other projection parameter is established with n . Alternatively it may be argued that $n = 3$ to smooth irregular historical observations. Several values of n were evaluated to determine the sensitivity of the projection process with respect to how many historical periods should be considered. As shown below, the size of n does not seem to have a great impact on the projection. The projections contained in this report are based on $n = 5$.

<u>n</u>	State Projection	
	<u>1975-76</u>	<u>1979-80</u>
3	1,036,926	952,702
4	1,037,080	954,077
5	1,036,711	955,468

To verify the accuracy of this projection method, the 1974-75 enrollments were projected and compared to the known historical values. For the state, the projected total was 1,053,244, using $n = 4$. The actual total was 1,053,879. The difference of 635 reflects a 0.06 percent error. Of course, the further into the future, the less reliable the accuracy of the projections. This is in part due to cumulative error developed in the iterative process of projection. It is also in part due to assumption of zero net migration and/or constant migration patterns for those cohorts born in region i in period $t - 5$ and enrolled in grade 1 in region i at period $t + 1$. Finally, there will be error because this type of model cannot produce full information about the behavioral process. Parametric equations should be used to at least in part better establish the behavioral relationships between the location and characteristics of the cohorts from which the enrollment will be drawn.

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN MISSOURI

GRADE	ACTUAL *						PROJECTED				
	*65-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	81944	77516	73873	73677	71384	74274	73472	76601	75008	69643	65893
ELEM U	17307	17375	17982	17807	18170	18948	18948	18948	18948	18948	18948
1	93257	91062	85471	78926	75874	72311	72624	76148	78453	76191	70549
2	85814	86600	84836	80095	74947	71620	67840	68273	71714	73958	71721
3	88820	87952	85702	84256	78555	73450	70515	66865	67237	70507	72749
4	88003	87655	86990	84624	82474	77345	72374	69461	65812	66136	69419
5	85680	87137	86586	86655	83857	81551	76631	71715	68871	65193	65508
6	83558	85021	87011	86522	86111	83230	81165	76314	71380	68495	64847
7	83336	84611	85865	87737	87351	86229	83926	81775	76851	71864	65921
8	80571	83540	85082	86104	87758	86933	86344	84020	81754	76829	71829
9	80384	84030	87315	88089	89619	91041	90431	89772	87263	85005	79822
10	73764	76830	80738	83442	84297	85540	87102	86536	85836	83446	81274
11	68036	69444	72369	74796	76971	78115	79704	80991	80256	75624	77493
12	60181	61572	63363	64394	66568	67576	69915	71179	72014	71350	70773
SEC U	3792	4488	4802	5620	5964	5716	5716	5716	5716	5716	5716
TOTALS	1078447	1084833	1087985	1082744	1069940	1053879	1036711	1024319	1007159	982910	955468

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA A

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	32071	30163	28440	27140	24835	25030	26102	25988	24379	21873	20273
ELEM U	9799	10111	9937	9650	9964	10715	10714	10714	10714	10714	10714
1	35058	33879	32209	28747	26886	24963	26340	26758	26389	24770	22354
2	32232	30871	29872	28852	26709	25110	22531	23915	24425	24178	22629
3	32420	31440	30382	29842	27869	26041	24592	22083	23425	23827	23631
4	31702	31253	30373	29288	28497	27257	25128	23729	21295	22608	23041
5	30919	30820	30299	29803	28600	27963	26555	24537	23159	20799	22056
6	29991	30252	30423	29772	29136	28233	27460	26140	24058	22774	20432
7	28708	29526	29528	29478	29147	28377	27540	26742	25456	23488	22172
8	27062	28603	29713	29440	29441	28758	28282	27449	26603	25313	23337
9	27511	29086	30907	31581	31443	31582	30830	30310	29360	28488	27120
10	24680	26242	27948	29363	30094	30187	30173	29463	28935	28057	27241
11	23155	23489	24999	25578	26969	28328	28329	28242	27480	27006	26270
12	19869	20348	20928	21512	22301	23142	24646	24581	24365	23711	23323
SEC U	2578	3028	3268	3846	3636	3178	3177	3177	3177	3177	3177
TOTALS	387755	389111	389226	384292	375527	368864	362447	353827	343282	330737	317727

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA B

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	18553	17069	16046	15279	14836	15295	15525	16026	15265	13758	12880
ELEM U	1268	1090	1181	1046	1102	1238	1237	1237	1237	1237	1237
1	19117	18362	16978	15751	14851	14357	14132	15013	15396	14597	13123
2	19252	18204	17611	16344	15245	14121	13737	13549	14387	14740	13944
3	18889	18662	17899	17223	15807	14686	13721	13353	13144	13932	14278
4	19062	18470	18318	17530	16726	15300	14320	13369	12986	12774	13541
5	18142	18685	18177	18028	17195	16384	15015	14058	13114	12727	12525
6	17748	17733	18497	18040	17661	16673	16077	14747	13786	12826	12442
7	17669	17833	17782	18527	18045	17502	16656	16046	14711	13740	12770
8	17198	17494	17622	17716	18279	17756	17303	16463	15860	14519	13561
9	16656	17386	17710	17758	17956	18367	17935	17479	16618	16013	14647
10	15151	15633	16386	16868	16981	17003	17397	17018	16607	15783	15189
11	13341	13860	14477	14905	15434	15364	15536	15896	15509	15141	14378
12	11924	11995	12652	12953	13473	13377	13768	13905	14164	13803	13432
SEC U	61	172	199	307	350	443	442	442	442	442	442
TOTALS	224031	222648	221535	218275	213941	207866	202816	198621	193255	186068	178432

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA C

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	5029	5058	4803	5579	5732	6014	5769	6446	6481	6199	5952
ELEM U	1139	1101	1240	1284	1360	1526	1525	1525	1525	1525	1525
1	6701	6692	6457	6073	6138	5918	6031	6471	7060	6914	6577
2	6654	6488	6557	6212	6021	5857	5736	5854	6267	6846	6674
3	6592	6624	6584	6542	6348	5864	5858	5743	5846	6258	6805
4	6700	6708	6747	6722	6647	6281	5934	5920	5753	5887	6290
5	6483	6699	6760	6753	6801	6585	6299	5956	5936	5802	5668
6	6427	6615	6843	6906	7023	6751	6699	6406	6052	6023	5864
7	6591	6690	6835	7059	7194	7167	6970	6907	6605	6238	6194
8	6437	6698	6812	6964	7167	7278	7279	7078	7011	6699	6327
9	6341	6535	6855	6917	7130	7255	7411	7418	7205	7139	6814
10	6069	6154	6355	6723	6698	6767	7023	7170	7170	6945	6875
11	5630	5670	5827	5951	6208	6223	6318	6558	6677	6670	6469
12	5001	5116	5289	5338	5499	5637	5716	5813	6014	6123	6106
SEC U	162	196	161	149	171	231	230	230	230	230	230
TOTALS	81956	83044	84125	85212	86137	85354	84807	85505	85885	85518	84617

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA D

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	4766	4329	4258	4327	4856	5092	4193	4661	4966	4766	4442
ELEM U	1957	1870	2100	2026	2032	1823	1822	1822	1822	1822	1822
1	6378	6491	5926	5624	5427	5347	4682	4869	5271	5462	5117
2	6043	5880	5874	5349	5065	4882	4835	4222	4385	4746	4917
3	5720	5756	5577	5680	5255	4999	4720	4689	4113	4278	4623
4	5517	5716	5766	5645	5528	5171	4967	4684	4642	4057	4230
5	5535	5595	5559	5776	5590	5493	5140	4918	4653	4602	4026
6	5473	5518	5555	5587	5752	5552	5472	5120	4902	4629	4576
7	5657	5697	5668	5750	5765	5904	5725	5633	5276	5046	4761
8	5611	5681	5658	5578	5685	5732	5859	5669	5574	5227	5002
9	5662	5791	5754	5758	5695	5825	5857	5977	5789	5696	5341
10	5506	5361	5503	5378	5344	5353	5474	5496	5594	5420	5343
11	4930	5079	4844	4960	4917	4808	4860	4955	4978	5071	4905
12	4235	4490	4550	4305	4358	4284	4277	4301	4373	4384	4469
SEC U	493	567	564	602	767	793	792	792	792	792	792
TOTALS	73483	73821	73156	72345	72076	71058	68681	67810	67135	66006	64376

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA E

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	4942	4665	4656	4566	4309	4791	4752	4991	4892	4947	4589
ELEM U	865	804	867	855	703	745	744	744	744	744	744
1	5314	5222	4873	4516	4334	4146	4254	4560	4710	4590	4633
2	5007	5064	4976	4576	4217	4157	3929	4031	4315	4463	4362
3	4931	5016	4960	4865	4478	4232	4145	3869	3975	4261	4416
4	4772	4927	5081	4882	4827	4524	4229	4141	3853	3971	4262
5	4682	4818	4899	4988	4818	4760	4484	4177	4084	3803	3921
6	4638	4680	4837	4975	4943	4859	4774	4502	4194	4090	3815
7	4632	4717	4906	4976	5048	5047	4979	4902	4605	4284	4182
8	4373	4637	4804	4910	4986	4986	5055	4988	4894	4595	4272
9	4708	4697	5062	5024	5241	5337	5335	5406	5311	5229	4911
10	4230	4558	4647	4867	4953	5094	5204	5210	5266	5187	5058
11	3968	4131	4348	4350	4540	4628	4821	4895	4887	4942	4873
12	3647	3752	3892	3896	3930	4104	4252	4401	4439	4441	4495
SEC U	130	133	135	174	184	179	178	178	178	178	178
TOTALS	60839	61821	62943	62420	61511	61629	61146	61007	60359	59741	59175

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA F

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	4157	4003	4094	4172	4007	4363	4117	4590	4667	4490	4268
ELEM U	621	636	760	869	939	817	816	816	816	816	816
1	4573	4666	4298	4332	4287	4001	3947	4150	4572	4591	4381
2	4386	4421	4505	4175	4031	3882	3785	3722	3894	4260	4278
3	4337	4362	4409	4461	4080	3992	3840	3741	3673	3839	4207
4	4294	4405	4438	4503	4478	4067	4034	3876	3768	3692	3860
5	4170	4377	4524	4525	4540	4514	4132	4096	3926	3811	3738
6	4166	4264	4469	4556	4589	4594	4580	4187	4144	3975	3857
7	4396	4434	4505	4714	4758	4733	4827	4802	4385	4334	4149
8	4166	4473	4482	4593	4873	4880	4824	4923	4905	4481	4419
9	4235	4450	4717	4805	4940	5078	5186	5123	5233	5205	4742
10	3761	4001	4207	4449	4547	4611	4785	4885	4822	4924	4893
11	3380	3532	3779	3851	4101	4089	4259	4407	4475	4418	4506
12	2992	3120	3286	3405	3488	3622	3718	3859	3969	4030	3973
SEC U	101	106	132	136	172	222	221	221	221	221	221
TOTALS	53735	55250	56605	57546	57870	57465	57081	57407	57484	57101	56325

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA G

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	2764	2826	2730	3324	3459	3710	3632	3923	4138	4000	3835
ELEM U	397	410	407	514	601	572	571	571	571	571	571
1	4134	4048	3884	3709	3763	3700	3667	4211	4416	4511	4331
2	4302	3941	4029	3915	3642	3647	3625	3616	4143	4323	4414
3	4158	4234	4026	4145	3951	3701	3688	3686	3675	4199	4385
4	4158	4144	4279	4079	4132	3978	3717	3709	3701	3687	4217
5	4144	4087	4268	4510	4193	4189	4062	3825	3815	3788	3771
6	3959	4093	4182	4389	4588	4310	4257	4152	3909	3893	3867
7	3943	4067	4292	4460	4567	4715	4466	4444	4333	4060	4042
8	3980	3993	4179	4479	4514	4631	4816	4591	4544	4413	4140
9	3782	4036	4027	4202	4494	4417	4641	4817	4582	4528	4391
10	3507	3665	3941	3988	4005	4380	4295	4517	4665	4441	4403
11	3299	3333	3451	3755	3707	3723	4119	4032	4237	4381	4158
12	2974	3021	3096	3169	3476	3276	3407	3767	3674	3854	3970
SEC U	69	85	57	84	148	290	289	289	289	289	289
TOTALS	49570	49983	50848	52722	53240	53239	53281	54158	54726	54956	54813

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA H

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	2950	2820	2691	2749	2842	3017	2777	2857	2914	2755	2467
ELEM U	347	419	459	486	424	466	465	485	465	485	485
1	3540	3493	3191	2973	2892	2857	2772	2875	2909	2920	2737
2	3604	3459	3391	3082	2930	2837	2763	2702	2803	2842	2847
3	3460	3534	3490	3372	3064	2889	2815	2768	2680	2779	2815
4	3472	3479	3501	3442	3425	3043	2862	2803	2759	2679	2768
5	3448	3552	3504	3493	3482	3386	3058	2887	2804	2761	2677
6	3219	3474	3524	3533	3529	3496	3399	3069	2903	2818	2770
7	3428	3274	3592	3662	3689	3647	3609	3520	3181	3007	2913
8	3277	3473	3385	3583	3681	3712	3686	3646	3540	3204	3031
9	3332	3441	3606	3481	3757	3879	3875	3845	3806	3705	3352
10	3098	3235	3347	3464	3300	3555	3719	3707	3665	3625	3533
11	2973	2972	3067	3182	3244	3104	3367	3515	3501	3457	3422
12	2720	2852	2793	2855	2828	2949	2875	3095	3215	3189	3165
SEC U	20	47	15	31	153	30	29	29	29	29	29
TOTALS	42888	43524	43556	43378	43240	42887	42138	41807	41197	40257	39012

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA I

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	2348	2365	2285	2500	2503	2720	2508	2791	3015	2839	2843
ELEM U	398	446	466	451	516	494	493	493	493	493	493
1	3289	3302	3113	2993	3040	2975	2877	3031	3322	3523	3293
2	3357	3273	3285	3115	2993	2983	2992	2857	3008	3291	3483
3	3277	3321	3401	3348	3181	2973	3018	3001	2891	3039	3318
4	3309	3422	3484	3454	3436	3240	3063	3100	3068	2962	3112
5	3206	3393	3496	3598	3557	3464	3314	3132	3170	3131	3019
6	3106	3334	3608	3616	3675	3636	3587	3430	3224	3259	3222
7	3475	3326	3572	3745	3742	3832	3819	3754	3575	3362	3403
8	3314	3531	3389	3585	3803	3831	3890	3876	3808	3633	3418
9	3274	3354	3631	3439	3626	3836	3889	3953	3928	3857	3682
10	2933	3200	3274	3431	3346	3458	3701	3743	3793	3781	3705
11	2767	2726	2982	2949	3167	3038	3175	3391	3418	3473	3457
12	2481	2517	2483	2628	2631	2826	2727	2842	3023	3053	3103
SEC U	110	90	173	178	247	193	192	192	192	192	192
TOTALS	40644	41600	42642	43030	43463	43499	43211	43590	43932	43896	43754

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA J

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	2481	2339	2173	2354	2363	2469	2406	2486	2491	2385	2291
ELEM U	355	319	392	465	367	365	364	364	364	364	364
1	2948	2783	2468	2356	2428	2362	2304	2448	2510	2481	2359
2	2813	2830	2665	2411	2256	2329	2268	2215	2355	2407	2320
3	2826	2812	2802	2704	2412	2236	2325	2265	2216	2349	2399
4	2878	2885	2826	2871	2721	2413	2260	2346	2285	2231	2365
5	2768	2911	2838	2906	2884	2748	2430	2274	2371	2301	2249
6	2732	2839	2873	2871	2925	2909	2768	2439	2291	2385	2314
7	2652	2842	2868	3050	3012	2986	3011	2863	2536	2372	2462
8	2850	2725	2806	2903	3013	3024	2996	3007	2866	2533	2374
9	2685	2974	2838	2952	3032	3133	3158	3130	3143	2991	2643
10	2694	2606	2905	2770	2912	2902	3049	3075	3046	3057	2901
11	2523	2565	2493	2774	2612	2779	2762	2903	2925	2895	2910
12	2410	2391	2432	2339	2572	2425	2608	2586	2709	2727	2701
SEC U	53	44	75	64	56	116	115	115	115	115	115
TOTALS	35668	35865	35454	35810	35605	35196	34831	34522	34229	33597	32835

ENROLLMENT PROJECTION IN PUBLIC SCHOOLS IN AREA K

GRADE	ACTUAL *						PROJECTED				
	*69-70	*70-71	*71-72	*72-73	*73-74	*74-75	75-76	76-77	77-78	78-79	79-80
K	1883	1879	1697	1687	1602	1773	1686	1839	1756	1628	1645
ELEM U	161	169	173	161	162	167	166	166	166	166	166
1	2205	2124	2074	1852	1828	1685	1612	1757	1893	1828	1638
2	2164	2169	2071	2064	1838	1775	1654	1583	1728	1857	1789
3	2210	2191	2172	2074	2110	1837	1787	1663	1594	1741	1866
4	2139	2246	2177	2208	2057	2071	1836	1779	1656	1582	1728
5	2183	2200	2262	2235	2197	2065	2095	1851	1755	1664	1594
6	2099	2219	2200	2277	2290	2217	2087	2116	1873	1817	1681
7	2185	2205	2317	2316	2344	2319	2298	2158	2185	1927	1868
8	2303	2232	2232	2353	2356	2345	2349	2324	2182	2207	1944
9	2198	2280	2208	2172	2305	2332	2308	2310	2283	2148	2174
10	2135	2175	2225	2151	2117	2230	2276	2247	2248	2221	2089
11	2070	2087	2102	2141	2072	2031	2153	2192	2163	2164	2138
12	1528	1970	1962	1994	2012	1934	1916	2026	2063	2032	2032
SEC U	15	20	23	29	40	41	40	40	40	40	40
TOTALS	27878	28166	27895	27714	27330	26822	26268	26058	25670	25026	24357
END											

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