

**2004 LEGISLATIVE REPORT ON  
REMEDIAL EDUCATION**  
November 2003

## **I. INTRODUCTION**

The Colorado Commission on Higher Education (CCHE) is required to prepare an annual report on students taking basic skills courses at Colorado's public higher education institutions. CCHE has prepared this report which summarizes: 1) Commission activities since adopting the Remedial Policy in 2000, and 2) data on assessed and remediated students collected from Colorado public higher education institutions on students assigned to college- vs. remedial courses for two years. The report will be submitted to the Education Committees of the Senate and House of Representatives, the Joint Budget Committee, the Colorado Department of Education, and each Colorado public school district superintendent.

C.R.S. 23-1-113.3 defined five areas of responsibility for the Commission with regard to remedial education:

- 1) adopt and implement a remedial policy;
- 2) develop funding policies for remediation appropriate to institutional roles and missions;
- 3) design a reporting system that provides the General Assembly with information on the number, type, and costs of remediation;
- 4) establish comparability of placement or assessment tests; and
- 5) ensure each student identified as needing remediation is provided with written notification regarding cost and availability of remedial courses.

This report documents Commission actions taken in response to these responsibilities.

## **II. CCHE POLICIES RELATED TO REMEDIATION**

### **A. Remedial Policy**

In August 2000, the Commission adopted a remedial policy designed to ensure that:

- All enrolled first-time undergraduate students are prepared to succeed in college-level courses.
- Students assessed as needing remedial instruction have accurate information regarding course availability and options to meet the college entry-level competencies.
- Colorado public high schools are informed about the level of college readiness of their recent high school graduates.

The policy applies to all state-supported institutions of higher education (i.e., four-year and two-year colleges), and governing boards and institutions of the public system of higher education in Colorado are obligated to conform to the

policies set by the Commission within the authorities delegated to it by C.R.S. 23-1-113.3.

## **B. FTE Policy**

The Commission revised its FTE Policy in March 2001, clearly identifying the public institutions that may claim state support for remedial education--Colorado community colleges, Adams State College, and Mesa State College--and the circumstances under which it may be claimed. A separate FTE reporting form was added to enable monitoring of state costs associated with the delivery of basic skills courses.

## **III. REMEDIAL PLANS**

CCHE's Remedial Policy requires that each governing board submit a remedial plan for its institution(s). Staff reviewed the plans during FY 2002 for completeness and compliance with statute, and by June 2002, all governing boards' remedial plans were approved by CCHE. The plans shared a common definition for which undergraduates are to be assessed, focusing primarily on first-time, degree-seeking students--and those undergraduates who were exempt. It is the student's responsibility to satisfy developmental needs within the first 30 credit hours and earn a C- or higher in a remedial course to satisfy the requirements.

Plans described the instruments used for entry-level assessment, and when necessary, secondary-level assessment for placement purposes. The purpose of entry-level assessment is to assist campus faculty and advisors to make the course placement decisions that give students the best possible chance of academic success. If remediation appeared to be needed, students could demonstrate curricular proficiency by means of an approved secondary assessment process (i.e., additional testing; transcript analysis if within one point of cut score).

Institutions initially used a mix of entry-level assessment tools to differentiate students demonstrating college-readiness from those who did not. While many used ACT's Assessment Test or the College Board's SAT for the entry-level assessment, testing instruments also included College Board's Accuplacer Computerized Placement Test (CPT), ACT's Computer Adaptive Placement Assessment (COMPASS), ACT's Assessment of Skills for Successful Entry and Transfer (ASSET), the Nelson-Denny Reading Test, and locally-designed tests. Because the most common instrument was the ACT Assessment Test, comparable cut scores across institutions for college-level placement were set for subscores, with concordances developed between that test and the SAT or Accuplacer: 19 or higher subscore for mathematics, 18 or higher for writing, and 17 or higher for reading. Setting common cut scores was critical to ensure that no student would receive conflicting advising regarding remedial assistance. In June 2003, CCHE approved use of ACT, SAT, and/or Accuplacer for both entry- and secondary-level assessments.

The final component of the remedial plans outlined how institutions advised students with academic deficiencies about options for meeting their responsibility to enroll in appropriate developmental coursework.

#### **IV. DATA ON ASSESSMENT AND REMEDIATION**

During FY 2001, CCHE staff and representatives from governing boards developed a reporting system in order to provide the General Assembly with information on remediated students and the type of remediation needed. Beginning summer/fall 2001, institutions submitted the first data files.

##### **A. Methodology and Data**

- 1. Methodology:** Student cohorts are based on: 1) entering degree-seeking undergraduates assessed by a Colorado public institution of higher education for the specified year; or 2) a recent Colorado public high school graduate<sup>1</sup>. CCHE produced the calculations by linking student data from ACT and the College Board with CCHE's Student Unit Record Data System (SURDS) enrollment and applicant files. Because data have been collected for only two years, enough time has not elapsed to calculate student performance data, such as graduation rates, for inclusion in this report.
- 2. Report Format:** This report presents information in two parts (see Tables 1 – 10 in Attachments B, C, D). Initially, data are provided on undergraduates assigned to remediation by Colorado public colleges and universities in either FY 2002 or FY 2003. The second section focuses on a subgroup of undergraduates: recent graduates from Colorado public high schools assigned to remediation. In this section, data are organized largely according to whether or not the students meet the requirements of the recently-approved Colorado precollegiate curriculum, followed by the statutorily-mandated high school feedback report that summarizes remediation by school district. A more detailed description of the data contained in the district feedback report accompanies Table 10.
- 3. Data Limitations:** In reviewing the following tables, the curriculum data are based on matching ACT and SAT self-reported data with elements of the SURDS Enrollment and Undergraduate Applicant files using student identification numbers. The data do not include recent graduates who enrolled in an out-of-state college, delayed entry into higher education for at least one year after completing high school, were not assessed in FY2002 or FY2003, or were reported by institutions with missing data (e.g., year of high school graduation, age, high school code, and/or assessment status).

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<sup>1</sup> Recent high school graduates are defined as students who a) have graduated from a Colorado public or private high school (or its equivalent) during the previous academic year; or b) are 17, 18, or 19 years of age when year of high school graduation is not reported. Age will be calculated as of September 15 of the specified fiscal year.

As is often the case with an undertaking of this magnitude, some issues remain to be addressed by the higher education institutions that may affect rates next year and limit interpretation. Colleges and universities are continuing to implement assessment processes and data collection and reporting procedures. At the state level, revisions to the remedial policy are pending action by the Commission in November 2003. Additionally, only two years of data are available, so no conclusions about trends in remediation can be drawn. Nonetheless, staff believe that the summary is a reasonable representation of remedial needs of the students entering higher education during the last two fiscal years.

## **B. Remedial Data Summary for All Assessed Undergraduates**

Table 1 is an overview of assessment activity for FY 2003. Approximately 33% of all students evaluated for assessment purposes were assigned to remediation in at least one discipline. More than half of those remediated were deficient in one discipline, with the most common area being mathematics. Twenty-two percent were found needing remediation in all three areas.

## **C. Remedial Data Summary for Recent High School Graduates**

### **1. Demographics of Recent High School Graduates Assigned to College-Level vs. Remedial Coursework**

Table 2 compares the demographic and academic characteristics of recent high school graduates who entered either a Colorado four- or two-year public institution in FY 2003 according to course placement. In general, 78.8% of the four-year students were assigned to college-level coursework, while 16.6% of those at the two-year institutions were assigned.

- By race/ethnicity, a significantly greater share of the Black and Hispanic students are assigned to remediation than from other groups at four-year institutions. In the case of two-year institutions, more than 80% of students from all groups were remediated.
- By gender, a slightly higher proportion of females were assigned to remediation in both institutional sectors.
- Academically, recent graduates at four-year institutions had a significantly higher high school grade point average and ACT composite score than students enrolled in two-year institutions.

### **2. Remediation and the Precollegiate Curriculum**

The significant relationship of academic underpreparation and remediation underscores the importance of completing a precollegiate curriculum in high school as a key factor in predicting the success of a student in higher

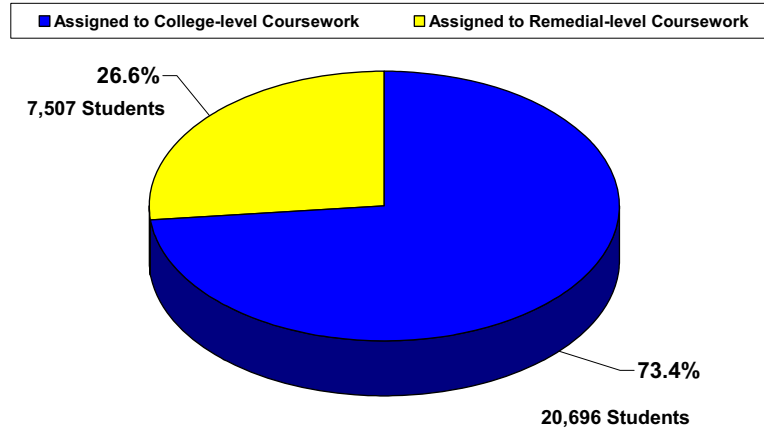
education. While a student may gain admission to an institution based on a less rigorous set of courses, what may be less obvious is the correlation documented in numerous studies between student success—measured by student retention, degree completion, and grade point average—and a demanding high school academic experience. The questions then are: How can high school students be better prepared to undertake college curricula, and, as necessary, how does higher education provide the most effective and efficient means to remediate students in order to enhance the likelihood that students will progress to degree completion.

The relationships between student placement in college- or remedial-level courses and a student's course-taking patterns in high school according to the precollegiate curriculum structure approved by the Commission in October 2003 have been documented in detail as part of the work leading to revisions of the Admissions Standards Policy. The curricular structure for categorizing high school coursework is summarized in Table 3.

Figures 1 – 4 present general information on remediation for FY 2003, while Figures 5 – 7 show the relationship of course placement levels by school district characteristics. Detailed tables (4 – 10) comparing college – vs. remedial placement for FY 2002 graduates with those for FY 2003 are found at the end of the report.

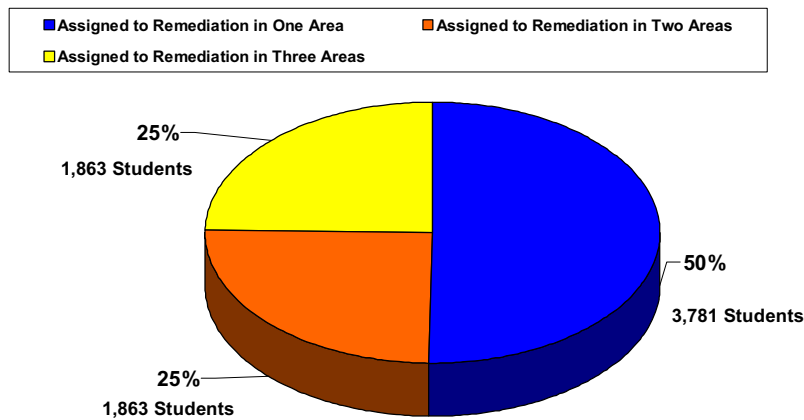
- Figure 1 illustrates the proportion of recent Colorado public high school graduates assigned to remediation. Approximately one-fourth were recommended for developmental coursework in at least one discipline.
- A more detailed portrayal of remedial placement is shown in Figures 2 and 3. Of those assigned to remediation, the largest share (50%) was deficient in one discipline. The proportion assigned to remediation in mathematics, writing, and reading was 25%, while 86% were found to be deficient in mathematics, either solely or in combination with writing and/or reading.
- Figure 4 presents student placement in college-level courses according to whether or not a precollegiate core was completed for a specific race/ethnic group. Highest college-placement rates were associated with white students who completed a core curriculum (83%); rates were lowest for African-American students (48%).
- The proportion of college-ready students by school district characteristic begins with Figure 5. The percentage of students qualifying for free or reduced lunch was used as a proxy for school district socio-economic status and then grouped by quartile, with Quartile 4 representing those districts with the lowest proportion of students participating in the lunch program. The percentage difference in college-level placement/core completer between the “highest” and “lowest” income districts is 15 percentage points for FY 2003.

**Figure 1. Students Assigned to Remediation as a Percent of Recent Colorado High School Graduates FY03 (N = 28,203)\***



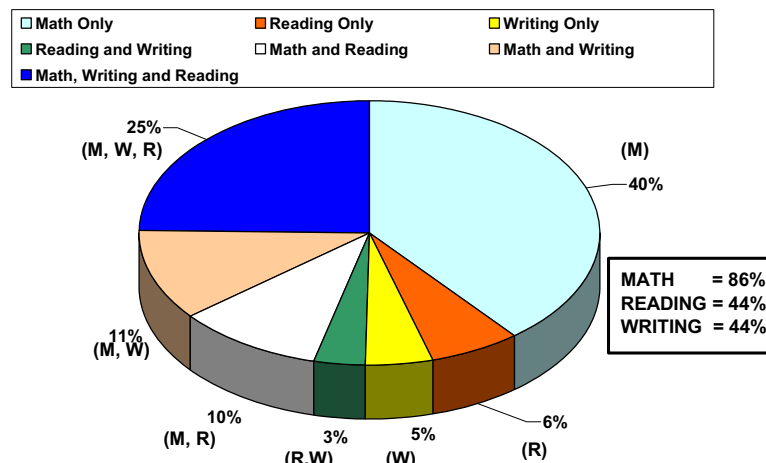
N-size is based on recent Colorado public high school graduates enrolled in Colorado public higher education in specified year

**Figure 2. Level of Assigned Remediation of Recent Colorado High School Graduates FY03 (N = 7,507)\***



N-size is based on recent Colorado public high school graduates enrolled in Colorado public higher education in specified year and assessed as needing remediation in at least one area

**Figure 3. Unduplicated Headcount Assigned to Remediation as a Percent of Recent Colorado High School Graduates by Discipline FY03 (N = 7,507)\***



N-size is based on recent Colorado public high school graduates enrolled in Colorado public higher education in specified year and assessed as needing remediation in at least one area

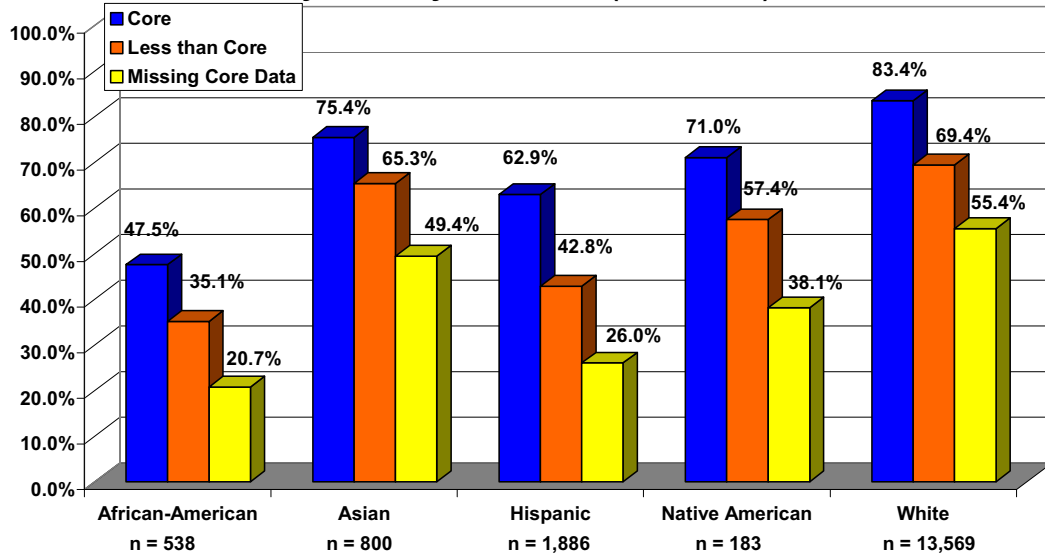
- College-level placement according to school district setting is greatest for those located in outlying towns at 87.6% (Figure 6). The Denver Metro area is the lowest at 79.8%.
  - Generally speaking, the highest college-level placement rates were associated with graduates from smaller school districts (Figure 7), with the largest districts showing a rate of 10 percentage points less.
3. **Remediation by Public Higher Education Institutions:** Table 1 summarizes remedial needs of students defined as recent high school graduates. The remediation rate of 26.6% was lower than that for all assessed undergraduates, but it should be noted that the rates are likely to be understated due to those with incomplete assessments. Remedial rates at two-year schools are higher than for four-year institutions, due to the open admissions nature of the community colleges. Differences in remediation rates by institution may be accounted for in part by variations in remedial requirements (i.e., requiring remediation of students with identified needs vs. informing students of the need).
  4. **Remediation by County:** Figure 8 portrays the distribution of recent high school graduates assigned to remediation by the county where the high school is located. While the counties with the highest concentration are found largely along the front range, the highest densities extend across the south central portion of the state. Note that these data should be interpreted with care as some counties have small numbers of students.
  5. **Retention by Remediation:** First-year retention rates for first-time, full-time, degree-seeking assessed students at four- and two-year institutions who were recent Colorado public high school graduates are shown in Table 9. The retention rate for students at four-year institutions assigned to college-level courses was nearly 16 percentage points higher than that for students assigned to at least one remedial class. In the two-year sector, the difference was only four percentage points, but it should be noted that this cohort represents a very small proportion of students entering the two-year schools.
  6. **Remediation by Public School District:** Data on the number of students assigned to remediation by school district are shown in Table 5. Statewide, the rate for students graduating from public high schools who entered public higher education the next year was 26.6% for FY 2003 which is up from 25.1% FY 2002.

## V. **COSTS ASSOCIATED WITH BASIC SKILLS**

For FY2003, Colorado public higher education reported that 6,004 FTE students were enrolled in remedial courses. The estimated cost associated with these enrollments ranged between \$18.9 and \$21 million.



**Figure 4. Statewide - College-Level Coursework\*  
by Ethnicity/Race FY03 (N = 18,781)\*\***



\*For specified year - recent Colorado public high school graduates assigned to college-level courses; remedial-level students assigned to at least one pre-collegiate level course.

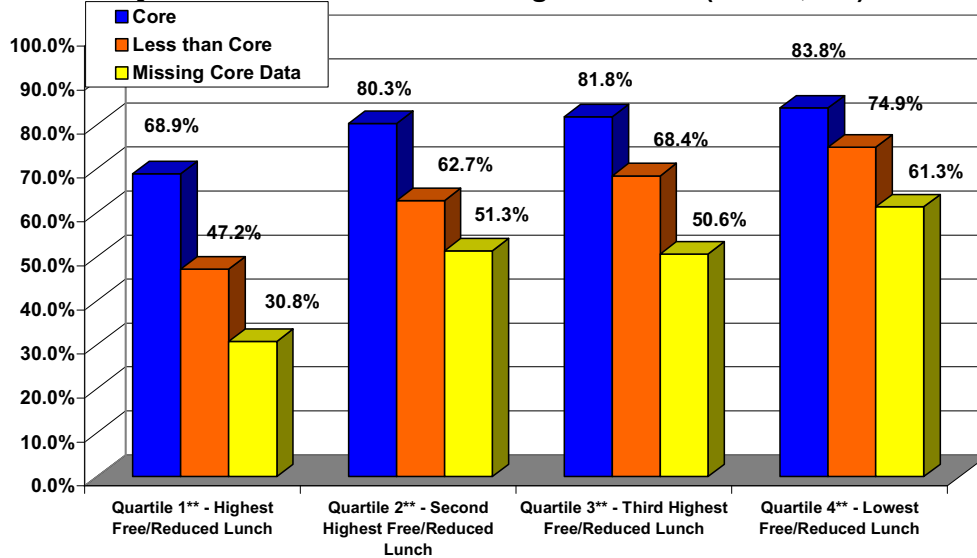
\*\*N-size shown here will differ from school district table due to the following exclusions: 1) Non-resident aliens, 2) Students with unknown ethnicity/race,

3) Students not assessed and those with pending assessment and missing data.

Note 1: Groups with less than 40 students not represented graphically.

Note 2: Core curriculum calculated from student responses accompanying ACT and SAT entrance exams indicating courses taken or planned to take by graduation.

**Figure 5. Statewide - College-Level Coursework\*  
by School District Lunch Categories FY03 (N = 19,454)**



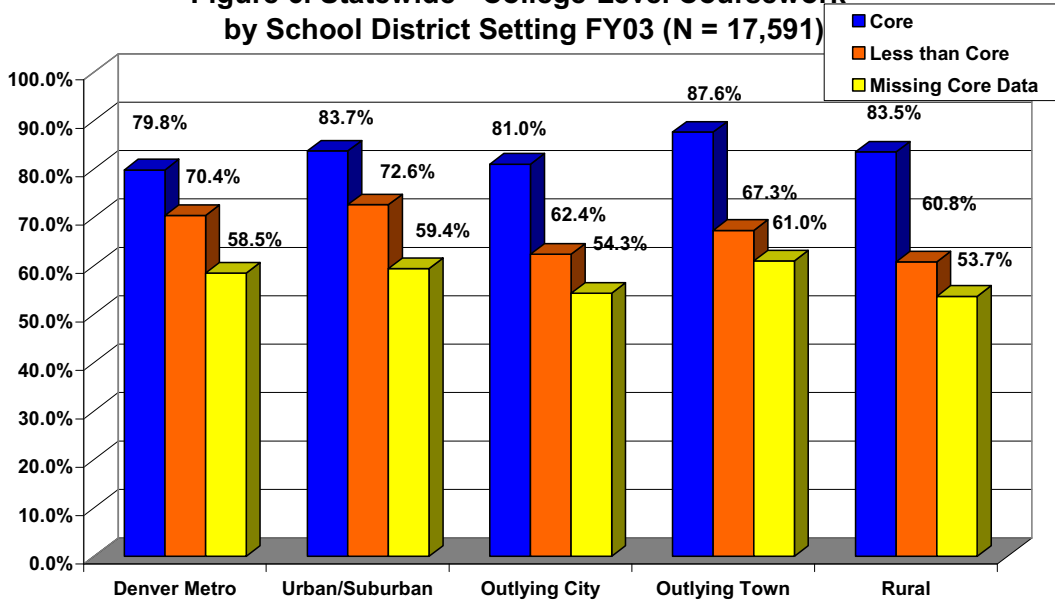
\*For specified year - recent Colorado public high school graduates assigned to college-level courses; remedial-level students assigned to at least one pre-collegiate level course.

\*\*Ranges for quartiles are: Quartile 1: 39.4% and higher; Quartile 2: 20.6 - 39.3%; Quartile 3: 13.6 - 20.5%; Quartile 4: 0.0 - 13.5%.

Note1: Excludes students not assessed and those with pending assessment and missing data.

Note 2: Core curriculum calculated from student responses accompanying ACT and SAT entrance exams indicating courses taken or planned to take by graduation.

**Figure 6. Statewide - College-Level Coursework\*  
by School District Setting FY03 (N = 17,591)**

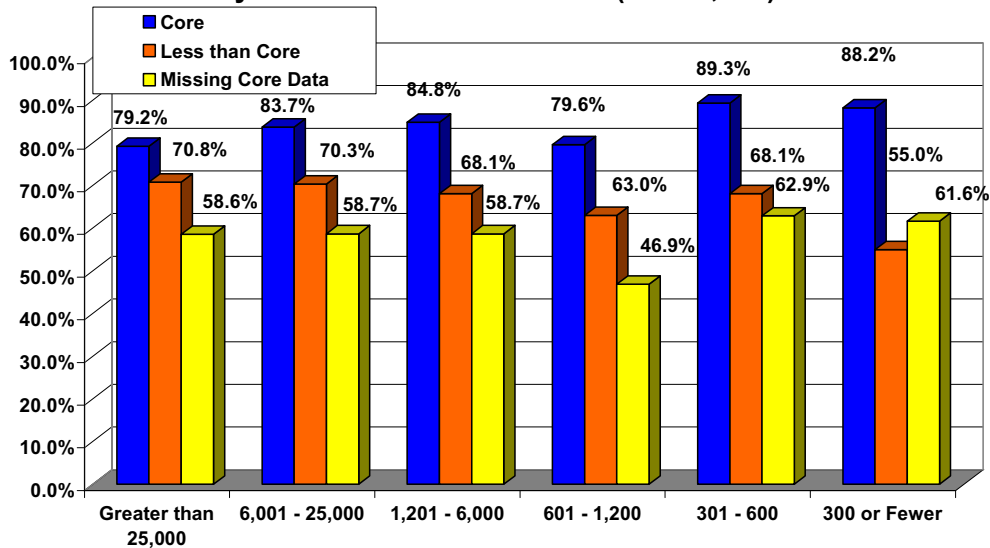


\*For specified year - recent Colorado public high school graduates assigned to college-level courses; remedial-level students assigned to at least one pre-collegiate level course.

Note 1: Excludes students not assessed and those with pending assessment and missing data.

Note 2: Core curriculum calculated from student responses accompanying ACT and SAT entrance exams indicating courses taken or planned to take by graduation.

**Figure 7. Statewide - College-Level Coursework\*  
by School District Size FY03 (N = 17,591)**



\*For specified year - recent Colorado public high school graduates assigned to college-level courses; remedial-level students assigned to at least one pre-collegiate level course.

Note1: Excludes students not assessed and those with pending assessment and missing data.

Note 2: Core curriculum calculated from student responses accompanying ACT and SAT entrance exams indicating courses taken or planned to take by graduation.

Figure 8

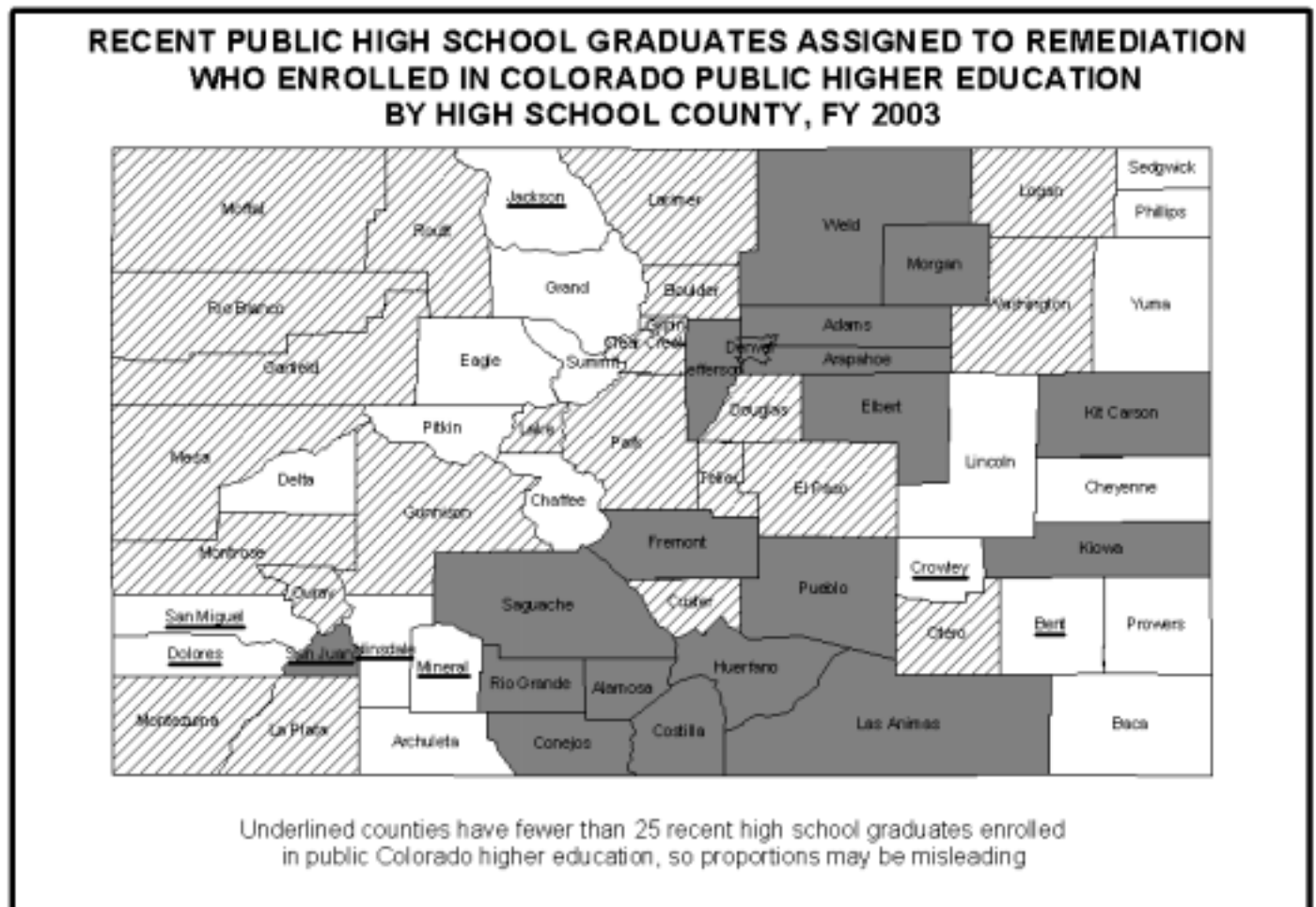


Table 1. PLACEMENT OF UNDERGRADUATES IN COLLEGE-LEVEL AND REMEDIAL COURSEWORK  
BY INSTITUTION FOR RECENT COLORADO HIGH SCHOOL GRADUATES, FY2003

Assessment Status (Unduplicated Full-Year Undergraduate Headcount)														
	Institutional Sector/ Institution	# Evaluated*	# Students Not Fully Assessed**		# Students Assigned to College-Level Coursework in All Disciplines	# Students Assigned to Remedial-level Coursework in One or More Discipline	% Students Assigned to Remediation in One or More Disciplines	# Students Assigned to Remedial --						
			Degree-Seeking	Non-Degree-Seeking***				M	W	R	M, W	M, R	W, R	M, W, R
Recent Colorado High School Graduates****														
Four-Year Public Inst														
	Adams SC	384	58	0	179	147	38.30%	36	0	60	0	49	1	1
	Colorado School of Mines	391	1	22	355	13	3.30%	1	1	5	0	0	6	0
	Colorado State University	2,925	1	24	2,748	152	5.20%	143	1	6	1	1	0	0
	Colorado State Univ - Pueblo	572	43	29	238	262	45.80%	119	14	37	18	48	9	17
	Fort Lewis College	640	1	0	348	291	45.50%	129	30	9	69	9	13	32
	Mesa State College	1,112	5	38	764	305	27.40%	111	74	0	120	0	0	0
	Metropolitan SC of Denver	1,823	4	6	754	1,059	58.10%	715	48	52	80	50	43	71
	University of CO - Boulder	2,936	2	124	2,743	67	2.30%	62	2	0	1	2	0	0
	University of CO - Colo Spr	927	17	108	784	18	1.90%	17	1	0	0	0	0	0
	University of CO - Denver	694	21	34	335	304	43.80%	111	17	51	12	48	29	36
	University of Northern CO	1,844	18	31	1,537	258	14.00%	171	39	18	15	6	6	3
	Western State College	380	21	0	260	99	26.10%	74	10	1	9	3	0	2
	Subtotal--4 Yr Publics	14,628	192	416	11,045	2,975	20.30%	1,689	237	239	325	216	107	162
Two-Year Public Inst														
	Aims CC	1,148	257	456	83	352	30.70%	102	24	30	64	20	24	88
	Arapahoe CC	1,107	224	352	79	452	40.80%	134	10	24	34	84	16	150
	Colorado Mountain College	824	36	610	33	145	17.60%	20	2	41	7	38	7	30
	Colorado Northwestern CC	475	47	323	26	79	16.60%	16	1	2	7	7	3	43
	Comm College of Aurora	755	174	292	34	255	33.80%	63	1	14	17	40	9	111
	Comm College of Denver	1,064	71	438	45	510	47.90%	84	5	21	35	66	19	280
	Front Range CC	2,164	495	354	301	1,014	46.90%	250	25	63	76	157	39	404

	Lamar CC		370	61	229	9	71	19.20%	22	2	5	4	7	1	30
	Morgan CC		246	89	52	36	69	28.00%	20	0	1	2	9	6	31
	Northeastern Junior College		643	217	242	24	160	24.90%	21	6	12	15	21	5	80
	Otero Junior College		385	100	129	22	134	34.80%	49	6	4	24	8	3	40
	Pikes Peak CC		1,478	334	513	61	570	38.60%	194	24	11	126	39	10	166
	Pueblo CC		1,190	78	766	58	288	24.20%	78	6	16	26	38	3	121
	Red Rocks CC		1,395	317	677	82	319	22.90%	176	7	1	58	9	7	61
	Trinidad State Junior College		331	119	89	9	114	34.40%	19	1	3	5	18	2	66
	Subtotal--2 Yr Publics		13,575	2,619	5,522	902	4,532	33.40%	1,248	120	248	500	561	154	1,701
	SUBTOTAL--All Recent Grads, All Public Institutions		28,203	2,811	5,938	11,947	7,507	26.60%	2,937	357	487	825	777	261	1,863
	All Other Assessed Students														
	4 Yr Public Institutions		22,668	-	-	18,988	3,680	16.20%	2,108	209	167	383	199	176	438
	2 Yr Public Institutions		37,031	-	-	19,253	17,778	48.00%	8,482	460	520	2,162	1,514	499	4,141
	Subtotal--All Other		59,699	0	0	38,241	21,458	35.90%	10,590	669	687	2,545	1,713	675	4,579
	GRAND TOTAL		87,902	2,811	5,938	50,188	28,965	33.00%	13,527	1,026	1,174	3,370	2,490	936	6,442

\*Evaluated is based on number of students for whom assessment data are reported. Students previously reported are not included.

\*\*Not assessed includes students not assessed as well as those with partial and pending assessments.

\*\*\*Non-degree-seeking currently are not required to be assessed; assessment requirement approved June 2003.

\*\*\*\*Recent high school graduate is defined as a degree- or non-degree-seeking undergraduate reported with a graduation year equal to the academic year prior to the reporting year. When graduation year is missing, a student whose calculated age as of September 15 of the fiscal year is 17, 18, or 19 years. Totals for recent graduates here do not match those in other high school district tables due to deletion of non-public high schools.

Table 2. DEMOGRAPHIC AND ACADEMIC CHARACTERISTICS OF RECENT HIGH SCHOOL GRADUATES\*  
ENTERING COLORADO PUBLIC HIGHER EDUCATION INSTITUTIONS, FY 2003

				Assigned to College-Level Coursework		Assigned to Remediation in at Least One Discipline	
Characteristics by Sector			# Students	#	% of Group	#	% of Group
Demographic							
	Race:	Four-Yr Publ Inst					
		Asian-American	692	544	78.60%	148	21.40%
		Black	390	220	56.40%	170	43.60%
		Hispanic	1,341	835	62.30%	506	37.70%
		Native American	132	97	73.50%	35	26.50%
		Non-Resident Alien	26	21	80.80%	5	19.20%
		White	10,992	8,966	81.60%	2,026	18.40%
		Unknown	447	362	81.00%	85	19.00%
		Total	14,020	11,045	78.80%	2,975	21.20%
		Two-Yr Publ Inst					
		Asian-American	217	26	12.00%	191	88.00%
		Black	346	16	4.60%	330	95.40%
		Hispanic	1,053	89	8.50%	964	91.50%
		Native American	72	7	9.70%	65	90.30%
		Non-Resident Alien	15	1	6.70%	14	93.30%
		White	3,588	741	20.70%	2,847	79.30%
		Unknown	143	22	15.40%	121	84.60%
		Total	5,434	902	16.60%	4,532	83.40%
	Gender:	Four-Yr Publ Inst					
		Female	7,665	5,914	77.20%	1,751	22.80%
		Male	6,355	5,131	80.70%	1,224	19.30%
		Total	14,020	11,045	78.80%	2,975	21.20%
		Two-Yr Publ Inst					
		Female	2,812	435	15.50%	2,377	84.50%
		Male	2,587	459	17.70%	2,128	82.30%
		Unknown	35	8	22.90%	27	77.10%
		Total	5,434	902	16.60%	4,532	83.40%
Academic (Four-Year Publ Inst Only)							
	Average High School GPA:		13,815	3.4	(N = 10,890)	2.96	(N = 2,925)
	Average ACT Composite Score:		13,613	23.7	(N = 10,706)	18.7	(N = 2,907)

\*A recent high school graduate is defined as a student graduating in the year prior to entry in CO public higher education. When the year is not reported, date of birth is used to calculate a student's age as of September 15th of the specified year; frequencies include those students with a calculated age of 17, 18, or 19 years.

Table 3. COLORADO PRECOLLEGIATE CURRICULUM

	English Units	Math Units	Natural Science Units	Social Studies Units	Other
Beginning with spring 2008 high school graduates		3 (Algebra I and higher) 4	3 (two of which must be lab-based)	3 (one of which must be U.S. history or world civilization)	2 units of academic electives
For spring 2010 and later high school graduates		4 (Algebra I and higher) 4	3 (two of which must be lab-based)	3 (one of which must be U.S. history or world civilization)	2 units of foreign language; 2 units of academic electives

Note 1: Academic electives include additional courses from core area as well as foreign languages (2 units must be from the same language), computer science, art, music, journalism, drama, honors, advanced placement, and international baccalaureate courses.

Note 2: An academic unit, often referred to as a Carnegie unit, is equivalent to one full year of credit in a specific subject.

Table 4. STATEWIDE SUMMARY OF COURSE-LEVEL ASSIGNMENT BY PRECOLLEGIATE CURRICULUM  
FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES ENROLLED  
IN COLORADO PUBLIC HIGHER EDUCATION, FY 2002 and FY 2003

Precollegiate Curriculum***	Unduplicated Headcount Assigned to --					
	FY 2002			FY 2003		
	College-level Coursework*	Remedial-level Coursework*	TOTAL	College-level Coursework*	Remedial-level Coursework*	TOTAL
Precollegiate Curriculum	3,944	957	4,901	2,204	572	2,776
	80.50%	19.50%		79.40%	20.60%	
Less than Precollegiate Curr	4,829	2,626	7,455	6,377	3,533	9,910
	64.80%	35.20%		64.30%	35.70%	
Missing test data**	1,974	2,240	4,214	3,366	3,402	6,768
	46.80%	53.20%		49.70%	50.30%	
TOTAL	10,747	5,823	16,570	11,947	7,507	19,454
	64.90%	35.10%		72.10%	45.30%	

Note: Excludes students not assessed and those with pending assessments and missing data.

\*Students reported as college-level had no developmental coursework whereas remedial-level students were assigned to at least one remedial course.

\*\*Missing test data based on students who did not take the ACT or SAT or those who did not provide a student ID that matches an identifier in the SURDS Enrollment or Applicant Files.

\*\*\*Precollegiate curriculum calculated from student self-reported responses accompanying ACT and SAT assessments indicating courses they have taken or plan to take by time of graduation.





Table 5. COURSELEVEL ASSIGNMENT BY PRECOLLEGIATE CURRICULUM BY RACE/ETHNICITY  
FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES ENROLLED IN COLORADO PUBLIC HIGHER EDUCATION  
FY 2002 and FY 2003

		Unduplicated Headcount Assigned to --					
		FY 2002			FY 2003		
Race/Ethnicity	Precollegiate Curriculum***	College-level Coursework*	Remedial-level Coursework*	TOTAL	College-level Coursework*	Remedial-level Coursework*	TOTAL
Asian/Pacific Islander	Precollegiate Curriculum	180	61	241	138	45	183
		74.70%	25.30%		75.40%	24.60%	
	Less than Precollegiate Curriculum	191	126	317	299	159	458
		60.30%	39.70%		65.30%	34.70%	
	Missing test data**	89	78	167	132	135	267
		53.30%	46.70%		49.40%	50.60%	
	TOTAL	460	265	725	569	339	908
	Courselevel Assignment as % of Specified R/E Group	63.40%	36.60%		62.70%	37.30%	
Black, Non-Hispanic	Precollegiate Curriculum	71	56	127	48	53	101
		55.90%	44.10%		47.50%	52.50%	
	Less than Precollegiate Curriculum	93	168	261	136	252	388
		35.60%	64.40%		35.10%	64.90%	
	Missing test data**	33	133	166	51	195	246
		19.90%	80.10%		20.70%	79.30%	
	TOTAL	197	357	554	235	500	735
	Courselevel Assignment as % of Specified R/E Group	35.60%	64.40%		32.00%	68.00%	
Hispanic	Precollegiate Curriculum	294	154	448	171	101	272
		65.60%	34.40%		62.90%	37.10%	
	Less than Precollegiate Curriculum	424	500	924	518	692	1,210
		45.90%	54.10%		42.80%	57.20%	
	Missing test data**	154	411	565	235	670	905
		27.30%	72.70%		26.00%	74.00%	
	TOTAL	872	1,065	1,937	924	1,463	2,387
	Courselevel Assignment as % of Specified R/E Group	45.00%	55.00%		38.70%	61.30%	
Native American	Precollegiate Curriculum	24	10	34	22	9	31
		70.60%	29.40%		71.00%	29.00%	
	Less than Precollegiate Curriculum	36	25	61	54	40	94
		59.00%	41.00%		57.40%	42.60%	
	Missing test data**	19	22	41	32	52	84
		46.30%	53.70%		38.10%	61.90%	
	TOTAL	79	57	136	108	101	209

	Courselevel Assignment as % of Specified R/E Group	58.10%	41.90%		51.70%	48.30%	
White, Non-Hispanic	Precollegiate Curriculum	3,261	654	3,915	1,766	352	2,118
		83.30%	16.70%		83.40%	16.60%	
	Less than Precollegiate Curriculum	3,949	1,739	5,688	5,169	2,279	7,448
		69.40%	30.60%		69.40%	30.60%	
	Missing test data**	1,604	1,506	3,110	2,755	2,221	4,976
		51.60%	48.40%		55.40%	44.60%	
	TOTAL	8,814	3,899	12,713	9,690	4,852	14,542
	Courselevel Assignment as % of Specified R/E Group	69.30%	30.70%		66.60%	33.40%	
Non-resident Alien	Precollegiate Curriculum	1	2	3	2	1	3
		33.30%	66.70%		66.70%	33.30%	
	Less than Precollegiate Curriculum	1	4	5	7	5	12
		20.00%	80.00%		58.30%	41.70%	
	Missing test data**	2	26	28	13	13	26
		7.10%	92.90%		50.00%	50.00%	
	TOTAL	4	32	36	22	19	41
	Courselevel Assignment as % of Specified R/E Group	11.10%	88.90%		53.70%	46.30%	
(continued)							
	Precollegiate Curriculum	113	20	133	57	11	68
Unknown		85.00%	15.00%		83.80%	16.20%	
	Less than Precollegiate Curriculum	135	64	199	194	106	300
		67.80%	32.20%		64.70%	35.30%	
	Missing test data**	73	64	137	148	116	264
		53.30%	46.70%		56.10%	43.90%	
	TOTAL	321	148	469	399	233	632
	Courselevel Assignment as % of Specified R/E Group	68.40%	31.60%		63.10%	36.90%	
Subtotal -- Underrepresented Groups	Precollegiate Curriculum	569	281	850	379	208	587
		66.90%	33.10%		64.60%	35.40%	
	Less than Precollegiate Curriculum	744	819	1,563	1,007	1,143	2,150
		47.60%	52.40%		46.80%	53.20%	
	Missing test data**	295	644	939	450	1,052	1,502
		31.40%	68.60%		30.00%	70.00%	
	TOTAL	1,608	1,744	2,413	1,836	2,403	2,737
	Courselevel Assignment as % of Minority Total	66.90%	33.10%		64.60%	35.40%	
Public Sector Total	Precollegiate Curriculum	3,944	957	4,901	2,204	572	2,776

		80.50%	19.50%		79.40%	20.60%	
	Less than Precollegiate Curriculum	4,829	2,626	7,455	6,377	3,533	9,910
		64.80%	35.20%		64.30%	35.70%	
	Missing test data**	1,974	2,240	4,214	3,366	3,402	6,768
		46.80%	53.20%		49.70%	50.30%	
	TOTAL	10,747	5,823	16,570	11,947	7,507	19,454

Note: Excludes students not assessed and those with pending assessments and missing data.

\*Students reported as college-level had no developmental coursework whereas remedial-level students were assigned to at least one pre-collegiate level course.

\*\*Missing test data based on students who did not take the ACT or SAT or those who did not provide a student ID that matches an identifier in the SURDS Enrollment or Applicant Files.

\*\*\*Precollegiate curriculum calculated from student self-reported responses accompanying ACT and SAT assessments indicating courses they have taken or plan to take by time of graduation.

Table 6. COURSELEVEL ASSIGNMENT BY PRECOLLEGIATE CURRICULUM BY SCHOOL DISTRICT LUNCH CATEGORIES  
FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES ENROLLED IN COLORADO PUBLIC HIGHER EDUCATION  
FY 2002 and FY 2003

Quartiles (Based on Percent of Students Qualifying for Free or Reduced Lunch)		Unduplicated Headcount Assigned to --					
		FY 2002			FY 2003		
	Precollegiate Curriculum***	College-level Coursework*	Remedial-level Coursework*	TOTAL	College-level Coursework*	Remedial-level Coursework*	TOTAL
Quartile 1** -- Highest % Free/Reduced Lunch	Precollegiate Curriculum	752	282	1,034	387	175	562
		72.70%	27.30%		68.90%	31.10%	
	Less than Precollegiate Curriculum	1,028	879	1,907	978	1,095	2,073
		53.90%	46.10%		47.20%	52.80%	
	Missing test data***	286	602	888	434	974	1,408
		32.20%	67.80%		30.80%	69.20%	
	TOTAL	2,066	1,763	3,829	1,799	2,244	4,043
	Courselevel Assignment as % of Quartile Total	54.00%	46.00%		44.50%	55.50%	
Quartile 2** -- Second Highest % Free/Reduced Lunch	Precollegiate Curriculum	1,065	301	1,366	584	143	727
		78.00%	22.00%		80.30%	19.70%	
	Less than Precollegiate Curriculum	1,192	799	1,991	1,583	940	2,523
		59.90%	40.10%		62.70%	37.30%	
	Missing test data***	323	592	915	819	776	1,595
		35.30%	64.70%		51.30%	48.70%	
	TOTAL	2,580	1,692	4,272	2,986	1,859	4,845
	Courselevel Assignment as % of Quartile Total	60.40%	39.60%		61.60%	38.40%	
Quartile 3** -- Second Lowest % Free/Reduced Lunch	Precollegiate Curriculum	1,094	213	1,307	549	122	671
		83.70%	16.30%		81.80%	18.20%	
	Less than Precollegiate Curriculum	1,301	530	1,831	1,748	806	2,554
		71.10%	28.90%		68.40%	31.60%	
	Missing test data***	678	589	1,267	923	902	1,825
		53.50%	46.50%		50.60%	49.40%	
	TOTAL	3,073	1,332	4,405	3,220	1,830	5,050

	Courselevel Assignment as % of Quartile Total	69.80%	30.20%		63.80%	36.20%	
Quartile 4** -- Lowest % Free/Reduced Lunch	Precollegiate Curriculum	1,030	159	1,189	684	132	816
		86.60%	13.40%		83.80%	16.20%	
	Less than Precollegiate Curriculum	1,304	413	1,717	2,068	692	2,760
		75.90%	24.10%		74.90%	25.10%	
	Missing test data***	679	443	1,122	1,190	750	1,940
		60.50%	39.50%		61.30%	38.70%	
	TOTAL	3,013	1,015	4,028	3,942	1,574	5,516
	Courselevel Assignment as % of Quartile Total	74.80%	25.20%		71.50%	28.50%	
Public Sector TOTAL	Precollegiate Curriculum	3,941	955	4,896	2,204	572	2,776
		80.50%	19.50%		79.40%	20.60%	
	Less than Precollegiate Curriculum	4,825	2,621	7,446	6,377	3,533	9,910
		64.80%	35.20%		64.30%	35.70%	
	Missing test data***	1,966	2,226	4,192	3,366	3,402	6,768
		46.90%	53.10%		49.70%	50.30%	
	TOTAL	10,732	5,802	16,534	11,947	7,507	19,454

Note: Excludes students not assessed and those with pending assessments and missing data. Also excludes students (36) from unknown CO high school in FY 2002.

\*Students reported as college-level had no developmental coursework whereas remedial-level students were assigned to at least one pre-collegiate level course.

\*\*Ranges for quartiles are: FY2002(Quartile 1: 37.2% and higher; Quartile 2: 18.3 - 37.1%; Quartile 3: 12.2 - 18.2%; Quartile 4: 0 - 12.1%).

\*\*Ranges for quartiles are: FY2003(Quartile 1: 39.4% and higher; Quartile 2: 20.6 - 39.3%; Quartile 3: 13.6 - 20.5%; Quartile 4: 0.0 - 13.5%).

\*\*\*Missing test data based on students who did not take the ACT or SAT or those who did not provide a student ID that matches an identifier in the SURDS Enrollment or Applicant Files.

\*\*\*Precollegiate curriculum calculated from student self-reported responses accompanying ACT and SAT assessments indicating courses they have taken or plan to take by time of graduation.

Table 7. COURSELEVEL ASSIGNMENT BY PRECOLLEGIATE CURRICULUM BY SCHOOL DISTRICT SETTING  
FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES ENROLLED IN COLORADO PUBLIC HIGHER EDUCATION  
FY 2002 and FY 2003

		Unduplicated Headcount Assigned to --					
		FY 2002			FY 2003		
School District Setting	Precollegiate Curriculum***	College-level Coursework*	Remedial-level Coursework*	TOTAL	College-level Coursework*	Remedial-level Coursework*	TOTAL
Denver Metro	Precollegiate Curriculum	2,159	560	2,719	1,151	345	1,496
		79.40%	20.60%		76.90%	23.10%	
	Less than Precollegiate Curriculum	2,602	1,385	3,987	3,459	1,866	5,325
		65.30%	34.70%		65.00%	35.00%	
	Missing test data**	1,183	1,114	2,297	1,791	1,822	3,613
		51.50%	48.50%		49.60%	50.40%	
	TOTAL	5,944	3,059	9,003	6,401	4,033	10,434
	Courselevel Assignment as % of Setting Category	66.00%	34.00%		61.30%	38.70%	
Urban/Suburban	Precollegiate Curriculum	1,032	226	1,258	554	122	676
		82.00%	18.00%		82.00%	18.00%	
	Less than Precollegiate Curriculum	1,298	688	1,986	1,746	840	2,586
		65.40%	34.60%		67.50%	42.30%	
	Missing test data**	514	686	1,200	920	881	1,801
		42.80%	57.20%		51.10%	48.90%	
	TOTAL	2,844	1,600	4,444	3,220	1,843	5,063
	Courselevel Assignment as % of Setting Category	64.00%	36.00%		63.60%	36.40%	
Outlying City	Precollegiate Curriculum	261	61	322	170	43	213
		81.10%	18.90%		79.80%	20.20%	
	Less than Precollegiate Curriculum	298	191	489	399	321	720
		60.90%	39.10%		55.40%	44.60%	
	Missing test data**	73	165	238	189	249	438
		30.70%	69.30%		43.20%	56.80%	
	TOTAL	632	417	1,049	758	613	1,371
	Courselevel Assignment as % of Setting Category	60.20%	39.80%		55.30%	44.70%	
Outlying Town	Precollegiate Curriculum	336	75	411	218	35	253
		81.80%	18.20%		86.20%	13.80%	
	Less than Precollegiate Curriculum	417	217	634	550	330	880
		65.80%	34.20%		62.50%	37.50%	
	Missing test data**	147	173	320	328	282	610
		45.90%	54.10%		53.80%	46.20%	
	TOTAL	900	465	1,365	1,096	647	1,743

	Courselevel Assignment as % of Setting Category	65.90%	34.10%		62.90%	37.10%	
Rural	Precollegiate Curriculum	153	33	186	111	27	138
		82.30%	17.70%		80.40%	19.60%	
	Less than Precollegiate Curriculum	210	140	350	223	176	399
		60.00%	40.00%		55.90%	44.10%	
	Missing test data**	49	88	137	138	168	306
		35.80%	64.20%		45.10%	54.90%	
	TOTAL	412	261	673	472	371	843
	Courselevel Assignment as % of Setting Category	61.20%	38.80%		56.00%	44.00%	
Missing	Precollegiate Curriculum	3	2	5	0	0	0
		60.00%	40.00%		0.00%	0.00%	
	Less than Precollegiate Curriculum	4	5	9	0	0	0
		44.40%	55.60%		0.00%	0.00%	
	Missing test data**	8	14	22	0	0	0
		36.40%	63.60%		0.00%	0.00%	
	TOTAL	15	21	36	0	0	0
	Courselevel Assignment as % of Setting Category	41.70%	58.30%		0.00%	0.00%	
Public Sector TOTAL	Precollegiate Curriculum	3,944	957	4,901	2,204	572	2,776
		80.50%	19.50%		79.40%	20.60%	
	Less than Precollegiate Curriculum	4,829	2,626	7,455	6,377	3,533	9,910
		64.80%	35.20%		64.30%	35.70%	
	Missing test data**	1,974	2,240	4,214	3,366	3,402	6,768
		46.80%	53.20%		49.70%	50.30%	
	TOTAL	10,747	5,823	16,570	11,947	7,507	19,454

Note: Excludes students not assessed and those with pending assessments and missing data. Also excludes students (36) from unknown CO high school in FY 2002.

\*Students reported as college-level had no developmental coursework whereas remedial-level students were assigned to at least one pre-collegiate level course.

\*\*Missing test data based on students who did not take the ACT or SAT or those who did not provide a student ID that matches an identifier in the SURDS Enrollment or Applicant Files.

\*\*\*Precollegiate curriculum calculated from student self-reported responses accompanying ACT and SAT assessments indicating courses they have taken or plan to take by time of graduation.



Table 8. COURSELEVEL ASSIGNMENT BY PRECOLLEGIATE CURRICULUM BY SCHOOL DISTRICT SIZE  
FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES ENROLLED IN COLORADO PUBLIC HIGHER EDUCATION  
FY 2002 and FY 2003

		Unduplicated Headcount Assigned to --					
		FY 2002			FY 2003		
School District Size	Precollegiate Curriculum***	College-level Coursework*	Remedial-level Coursework*	TOTAL	College-level Coursework*	Remedial-level Coursework*	TOTAL
Greater than 25,000	Precollegiate Curriculum	1,961	504	2,465	1,046	322	1,368
		79.60%	20.40%		76.50%	23.50%	
	Less than Precollegiate Curriculum	2,438	1,273	3,711	3,131	1,656	4,787
		65.70%	34.30%		65.40%	34.60%	
	Missing test data**	1,079	979	2,058	1,699	1,712	3,411
		52.40%	47.60%		49.80%	50.20%	
	TOTAL	5,478	2,756	8,234	5,876	3,690	9,566
	Courselevel Assignment as % of Size Category	66.50%	33.50%		61.40%	38.60%	
6,001 - 25,000	Precollegiate Curriculum	1,091	253	1,344	604	135	739
		81.20%	18.80%		81.70%	18.30%	
	Less than Precollegiate Curriculum	1,354	735	2,089	1,909	1,028	2,937
		64.80%	35.20%		65.00%	35.00%	
	Missing test data**	528	759	1,287	910	898	1,808
		41.00%	59.00%		50.30%	49.70%	
	TOTAL	2,973	1,747	4,720	3,423	2,061	5,484
	Courselevel Assignment as % of Size Category	63.00%	37.00%		62.40%	37.60%	
1,201 - 6,000	Precollegiate Curriculum	662	150	812	385	76	461
		81.50%	18.50%		83.50%	16.50%	
	Less than Precollegiate Curriculum	723	418	1,141	986	583	1,569
		63.40%	36.60%		62.80%	37.20%	
	Missing test data**	296	370	666	583	580	1,163
		44.40%	55.60%		50.10%	49.90%	
	TOTAL	1,681	938	2,619	1,954	1,239	3,193
	Courselevel Assignment as % of Size Category	64.20%	35.80%		61.20%	38.80%	
601 - 1,200	Precollegiate Curriculum	87	24	111	74	23	97
		78.40%	21.60%		76.30%	23.70%	
	Less than Precollegiate Curriculum	151	84	235	182	140	322
		64.30%	35.70%		56.50%	43.50%	
	Missing test data**	22	53	75	68	109	177
		29.30%	70.70%		38.40%	61.60%	
	TOTAL	260	161	421	324	272	596
	Courselevel Assignment as % of Size Category	61.80%	38.20%		54.40%	45.60%	

301 - 600	Precollegiate Curriculum	87	15	102	50	9	59
		85.30%	14.70%		84.70%	15.30%	
	Less than Precollegiate Curriculum	87	65	152	109	66	175
		57.20%	42.80%		62.30%	37.70%	
	Missing test data**	28	36	64	61	61	122
		43.80%	56.30%		50.00%	50.00%	
	TOTAL	202	116	318	220	136	356
	Courselevel Assignment as % of Size Category	63.50%	36.50%		61.80%	38.20%	
300 or Fewer	Precollegiate Curriculum	53	9	62	45	7	52
		85.50%	14.50%		86.50%	13.50%	
	Less than Precollegiate Curriculum	72	46	118	60	60	120
		61.00%	39.00%		50.00%	50.00%	
	Missing test data**	13	29	42	45	42	87
		31.00%	69.00%		51.70%	48.30%	
	TOTAL	138	84	222	150	109	259
	Courselevel Assignment as % of Size Category	62.20%	37.80%		57.90%	42.10%	
Missing	Precollegiate Curriculum	3	2	5	0	0	0
		60.00%	40.00%		0.00%	0.00%	
	Less than Precollegiate Curriculum	4	5	9	0	0	0
		44.40%	55.60%		0.00%	0.00%	
	Missing test data**	8	14	22	0	0	0
		36.40%	63.60%		0.00%	0.00%	
	TOTAL	15	21	36	0	0	0
	Courselevel Assignment as % of Size Category	41.70%	58.30%		0.00%	0.00%	
Public Sector TOTAL	Precollegiate Curriculum	3,944	957	4,901	2,204	572	2,776
		80.50%	19.50%		45.00%	11.70%	
	Less than Precollegiate Curriculum	4,829	2,626	7,455	6,377	3,533	9,910
		64.80%	35.20%		85.50%	47.40%	
	Missing test data**	1,974	2,240	4,214	3,366	3,402	6,768
		46.80%	53.20%		79.90%	80.70%	
	TOTAL	10,747	5,823	16,570	11,947	7,507	19,454

Note: Excludes students not assessed and those with pending assessments and missing data. Also excludes students (36) from unknown CO high school in FY 2002.

\*Students reported as college-level had no developmental coursework whereas remedial-level students were assigned to at least one pre-collegiate level course.

\*\*Missing test data based on students who did not take the ACT or SAT or those who did not provide a student ID that matches an identifier in the SURDS Enrollment or Applicant Files.

\*\*\*Precollegiate curriculum calculated from student self-reported responses accompanying ACT and SAT assessments indicating courses they have taken or plan to take by time of graduation.

Table 9. RETENTION RATES FOR RECENT COLORADO PUBLIC HIGH SCHOOL GRADUATES\*

WHO ENROLLED IN COLORADO PUBLIC HIGHER EDUCATION IN FALL 2001  
AS FIRST-TIME, FULL-TIME, DEGREE-SEEKING UNDERGRADUATES

Institutional Sector/Enrollment Status				Entering Students** Retained at Any CO Public Inst One Year After Entry			
		Cohort*					
				% Assigned to College- level Courses		% Assigned to Remedial-level Courses	
First-time, full-time, degree-seeking students entering four-year institutions**		11,112		77.90%		62.10%	
First-time, full-time, degree-seeking students entering two- year institutions**		1,581		61.10%		56.90%	
Total first-time, full- time, degree-seeking students entering CO public institutions**		12,693		77.40%		60.10%	

\*Cohort limited to recent graduates who had been reported by institutions as fully assessed. Of the 23,166 CO recent public high graduates, 10,473 entered as non-degree-seeking and/or were not full-time and/or began spring term and/or were not fully assessed .

\*\*Counts based on recent CO public high school graduates beginning in a CO public college in the summer or fall 2001 terms as a full-time, degree-seeking undergraduate;excludes starters in spring 2002 semester.

**CASH FUNDED PROGRAM PLAN EVALUATION FY 2004-05**  
**Colorado Commission on Higher Education**

<b>Project:</b> Atmospheric Science/Chemistry Addition	<b>Institution:</b> Colorado State University
<b>Original Submittal Date:</b> May 2003	<b>Revision Date:</b>
<b>Total Project Cost:</b> \$2,500,000  <b>Construction Cost:</b> \$2,119,952  <b>Anticipated Completion Date:</b> July 2005  <b>Purpose Code:</b> F-5	<b>Total Square Footage</b>  <b>New Construction:</b> 13,000 gross square feet (gsf)  <b>Remodel:</b>  <b>Cost per Square Foot</b>  <b>New Construction:</b> \$163.07  <b>Remodel:</b> <i>Comments:</i>

**No Phased Funding:**

	2004-05	2005-06	2006-07	2007-08	2008-09	Total
CCFE						
CF						
CFE	\$2,500,000					\$2,500,000
FF						
Total	\$2,500,000					\$2,500,000

**EVALUATION****Project Description:**

The Colorado State University's Department of Atmospheric Science plans a 13,000-gsf addition to the existing Atmospheric Science (ATS) Complex on the CSU Foothills Campus to house atmospheric chemistry laboratories, storage spaces, and offices for 20 staff members (three faculty, six post-doctoral candidates, eight research associates, and three clerical staff) and about 18 graduate students.

The addition will have four purposes:

- Provide new labs;
- Co-locate the Atmospheric Chemistry program closer to Atmospheric Science Department;
- Provide lab and office space for a third faculty member (search will be conducted in 2004); and
- Provide dedicated space for a teaching lab for specialized courses in atmospheric chemistry and air quality so that faculty members and students don't have to use research labs.

The two-story addition will be a composite concrete and steel structure. The foundation system will penetrate through the bentonite clay to better weight-bearing strata. Without such precautions, the building foundation would expand and contract as the clay becomes wet and then dries out. The building foundation may be built of long shafts of concrete, steel or wood.

### **Project Justification:**

The Department of Atmospheric Science ranks among the top two or three such departments in the world in consistency of funding from the National Science Foundation and professional achievements and awards that faculty, graduates, and students have received. Eight department faculty are Fellows of the American Meteorological Society and 12 have served as editors of major scientific journals. The department today has 209 faculty, graduate students, research associates, post-doctoral researchers, and state classified and hourly staff.

Because the department continues to attract top faculty and graduate students, annual awards from sponsored programs have grown from \$6.06 million in fiscal year (FY) 1998 to \$11.387 million in FY 2002. Additional space is essential to support and expand these research opportunities.

The research and graduate education program in atmospheric chemistry and air quality has grown rapidly since the program began in 1991. The Atmospheric Simulation Lab houses many of the research programs in a building originally constructed in the 1960s for weather modification research. For its current uses, the Atmospheric Simulation Lab is poorly ventilated, has inadequate plumbing and power, and needs an elevator to transport equipment and gas cylinders to second-floor laboratories. Some of the fume hoods can't properly handle the hazardous substances. A cleaner work environment is becoming more necessary for proper measurement of traces of environmental pollutants.

In addition, the current labs are about a half-mile from the main ATS. Driving between the Atmospheric Simulation Lab and ATS is about the only option because of a lack of connecting sidewalks, walkways, or bike paths. Yet all faculty offices – atmospheric chemistry and other programs – are housed at the ATS site to increase interactions among disciplines. Having the labs some distance from the faculty offices (with some atmospheric chemistry program graduate students housed in the ATS main building) limits regular interaction between atmospheric chemistry program faculty and their graduate students and research staff and between atmospheric chemistry program graduate students and other ATS graduate students and faculty.

ATS plans to add a third atmospheric chemistry faculty member and research group in 2004-2005, yet laboratory space is not available to house the research program such a faculty member would be expected to bring to the University. In 2000, plans to accommodate an atmospheric chemistry faculty recruit by remodeling workshop space in the current lab building fell through when the recruit decided not to accept the position. In addition, ATS is seeking an oceanographer to add to the faculty. Younger researchers such as those CSU would like to hire typically establish research groups of 10-12 staff and graduate students, about twice the size of research groups of retiring faculty members.

Finally, ATS offers two laboratory classes in atmospheric chemistry/air quality--Air Pollution Measurement and Air Quality Characterization--that have to be scheduled in already limited research laboratory space because of the lack of dedicated teaching laboratory space. This unsatisfactory arrangement means students may be exposed to hazards that would not be present in a teaching laboratory. Using lab space elsewhere wouldn't be practical because the classes make extensive use of specialized research instrumentation so students can have a state-of-the-art introduction to experimental atmospheric chemistry/air quality work.

For the atmospheric chemistry program within the ATS, projected research volume totaled more than \$1.4 million in 2002-2003. The planned addition of a third faculty member with a research focus in atmospheric science should increase the amount of research grants even more.

#### **CCHE Recommendations:**

This program plan should be approved to locate the Atmospheric Chemistry program in the same space as the Atmospheric Science Department, provide new research laboratories, build dedicated space for a teaching laboratory, and construct a lab and office suite for a third faculty member who will be selected during 2004.

#### **CCHE Comments:**

*Land Grant Mission:* ATS, established in 1962 in response to the growing importance of weather and atmospheric phenomena on national and international societies and their economies, primarily is involved in graduate education and basic research in the atmospheric sciences. But the department serves CSU's mission as a land-grant public institution in offering courses to undergraduates and providing a home to the Colorado Climate Center and Office of the State Climatologist. The Office of the State Climatologist collects, analyzes, and distributes weather and climate information to government agencies, users from different professions, and public schools. Many research projects are directly related to Colorado issues in agriculture, water resources, air quality, regional climate, visibility, drought mitigation, and air traffic safety. ATS also integrates its research with other federal and state agencies within Colorado and the Rocky Mountains/High Plains region.

*Comparison with Other University Programs in Colorado:* The ATS department at CSU is the only department in Colorado that offers master's and doctorate degrees in atmospheric science. The University of Colorado at Boulder has a program in Atmospheric and Oceanic Science, but it is not a department with the ability to grant degrees in atmospheric science. Undergraduate programs in meteorology exist at Metropolitan State College and the University of Northern

Colorado. But, the two institutions don't offer advanced degrees in meteorology or atmospheric science.

*Third-Party Review:* Richard Conard, the professional engineer who reviews CSU System program plans for the Board of Governors of the CSU System, recommended in his third-party review that CSU install a fire alarm system for the addition. The program plan states that a fire alarm is not required due to the building occupancy. Fire and smoke control is not required at wall or floor penetrations. Instead, CSU will install mechanical, stand-alone low airflow alarms on fume hoods. Richard Conard stated in his review that: "Serious consideration should be given to installing a fire alarm system, whether technically required or not. The cost of the potential liability or not installing an alarm system may be greater than the actual cost of installing a system." Conard also recommended that if construction costs exceed estimates, CSU leave unfinished the space intended for the third faculty member until someone is hired.

(CSU intends to examine the need for fire alarms during the design phase and determine whether leaving unfinished the suite that the third faculty member will occupy is advisable after construction bids are received. Construction bids have not decreased, despite the declining economy, and may even start creeping up again.)

*Space Reuse:* Part of the program plan involves using about 2,594 assignable square feet (asf) of the Atmospheric Simulation Lab about one-half mile east and north of the ATS for a cloud chamber and shop. The rest of the Atmospheric Simulation Lab will be used for College of Engineering personnel, who will be moved from the west storage area of the nearby Engineering Research Center. Eventually, the west storage area of the Engineering Research Center will be demolished. Three modular units make up the west storage area, and have had increasing problems with drainage after heavy snows and the consequent growth of molds.

### **Program and Facility Requirements:**

Space needs for the addition are as follows:

<b><i>Function (for ATS, ATS Simulation Lab, ATS/CIRA)</i></b>	<b><i>Existing ASF Less Vacated Space</i></b>	<b><i>ASF Needed</i></b>	<b><i>ASF to be Constructed</i></b>	<b><i>GSF</i></b>
Office & Support	25,465	29,505	4,040	6,400
Laboratories				
Teaching Labs	2,472	3,012	540	
Research Labs	1,918	5,548		
New Chemistry Labs			3,630	
<b><i>Total</i></b>	<b><i>29,855</i></b>	<b><i>38,065</i></b>	<b><i>8,210</i></b>	<b><i>13,000</i></b>

Among the utility requirements for the site is to boost the pressure of the existing fire hydrant, possibly by connecting water piping between the hydrant and the water main on the south side of Laporte Avenue. The fire hydrant on the southwest corner of the ATS Building only has water pressure of 20 pounds per square inch, meaning a pressure pump truck would be required for fighting fires. Creating a loop would provide water pressure from both directions. Installing the loop would be a separate project supported with other funds, but it may be undertaken in conjunction with the Chemistry Addition if timing permits.

The addition would be wired for telecommunications at the highest level (category 6 wiring for data and category 5 for telephone) to accommodate the vast amounts of data that will be processed from the instruments housed in the addition. Over time, the ATS has become much more focused on computer modeling rather than physical modeling, requiring the ability to process ever higher amounts of data.

### **Building Functional Uses:**

The addition will be used for offices and laboratories.

### **Building Efficiency Factor/Space Utilization:**

The building efficiency factor of the addition would be 63 percent (8,210 asf/13,000 gsf). CCHE has no guidelines for laboratory or research buildings.

### **Appropriateness of Funding:**

Funding an addition built largely to provide more research space from the Research Building Revolving Fund is very appropriate. The University may choose to issue or refinance an existing bond to fund the project if the terms and interest rates available at the time make bonding a more favorable choice than funding through the revolving fund. If the decision is made to issue a bond or refinance an existing one to fund the project, the University will ask the Board of Governors of the CSU System to authorize such an approach.

### **Facility Alternatives:**

The program plan discusses four options to address demands for additional space. Some of the options admittedly are of the sky-is-falling variety:

- Locate the atmospheric chemistry program and personnel in one facility and provide additional office and lab space to accommodate new personnel and allow program expansion by qualifying for more grants from federal agencies. (Preferred)
- Scatter the program scientists throughout various University buildings: Traveling between buildings would eat up time that could be better spent working with graduate students and on research projects. It would also make nearly impossible the synergy that results when colleagues are close to each other to share ideas.
- Accept a reduced scope of research and retain double- and triple-occupancy offices and limited training and laboratory space: This option already caused ATS to lose an excellent faculty candidate, who stated that the condition of existing facilities played a role in the decision not to join CSU.
- Lose programs, research opportunities and corresponding funding to other institutions: The lost opportunity mentioned above was not only a loss of talent, but also funding. With an annual average of \$700,000 of grant funding per ATS faculty member, the inability to compete for faculty researchers costs the University hundreds of thousands of dollars per year in program-supporting grants.



**Consistency with Institutional Master Plan:**

This program plan is consistent with the land use guidelines in the Main Campus Master Plan, *Foundation for a New Century*. The guidelines call for continued clustering of like facilities. CSU is continuing to locate research and land-intensive activities at the Foothills Campus. In addition, a Foothills Campus Master Plan should be completed in December 2003. This project has been taken into consideration in development of the plan.

**Consistency with Institutional 5-Year Capital Improvement Plan Schedule:**

The Atmospheric Science/Chemistry Addition is in the Capital Construction Program Schedule for FY 2004-2005 through 2008-2009.

**Governing Board Approval:**

The Board of Governors of the CSU System approved this program plan on May 7, 2003.

Table 10. COLORADO PUBLIC HIGH SCHOOLS WHOSE COMPLETERS** WERE ENROLLED, ASSESSED, AND REMEDIATED IN COLORADO PUBLIC HIGHER EDUCATION, FY 2002 and 2003														
			FY 2002						FY 2003					
County	School District	School District/ High School	Recent High School Graduates Enrolled in CO Public Higher Educ**	# Recent Graduates Enrolled in CO Public Higher Educ Who Were Remediated in at Least One Discipline		Students Assigned to Remediation (Duplicated Headcount) in --			Recent High School Graduates Enrolled in CO Public Higher Educ**	# Recent Graduates Enrolled in CO Public Higher Educ Who Were Remediated in at Least One Discipline		Students Assigned to Remediation (Duplicated Headcount) in --		
				Unduplicated Headcount (-)	Unduplic Remediated Headcount as % of Recent High Sch Graduates	Math	Reading	Writing		Unduplicated Headcount (-)	Unduplic Remediated Headcount as % of Recent High Sch Graduates	Math	Reading	Writing
EL PASO COUNTY	Academy 20	Academy 20	730	121	16.60%	98	39	54	914	147	16.10%	130	47	61
EL PASO COUNTY	Academy 20	Air Academy H S	203	34	16.70%	25	13	16	242	25	10.30%	21	9	8
EL PASO COUNTY	Academy 20	Aspen Valley H S	17	5	29.40%	5	3	2	59	8	13.60%	7	5	5
EL PASO COUNTY	Academy 20	Liberty H S	182	30	16.50%	26	12	18	193	39	20.20%	36	11	13
EL PASO COUNTY	Academy 20	Pine Creek H S	153	20	13.10%	18	4	4	203	35	17.20%	32	9	16
EL PASO COUNTY	Academy 20	Rampart H S	175	32	18.30%	24	7	14	217	40	18.40%	34	13	19
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Adams-Arapahoe 28J	575	197	34.30%	130	130	101	736	268	36.40%	231	144	117
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Aurora Central H S	98	48	49.00%	36	32	34	112	53	47.30%	43	38	27
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Gateway H S	146	60	41.10%	37	38	31	159	59	37.10%	54	31	22
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Hartenback H S	0	-	-	-	-	-	1	-	-	-	-	-
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Rangeview H S	232	48	20.70%	28	25	14	309	94	30.40%	81	40	37
ARAPAHOE COUNTY	Adams-Arapahoe 28J	William Hinkley H S	91	36	39.60%	25	31	19	140	56	40.00%	47	31	27
ARAPAHOE COUNTY		William Smith H S	8	5	62.50%	4	4	3	15	6	40.00%	6	4	4
ADAMS COUNTY	Adams County 14	Adams County 14	107	49	45.80%	35	29	21	117	67	57.30%	61	41	37
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Adams City H S	106	48	45.30%	35	28	21	114	64	56.10%	58	40	35
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Lester Arnold H S	1	-	-	-	-	-	3	-	-	-	-	-
ELBERT COUNTY	Agate 300	Agate 300	3	-	-	-	-	-	1	-	-	-	-	-
	Aguilar Reorganized 6													
LAS ANIMAS COUNTY		Aguilar Reorganized 6	7	3	42.90%	3	3	3	9	3	33.30%	2	3	2
WASHINGTON COUNTY	Akron R-1	Akron R-1	47	1	2.10%	1	1	0	30	1	3.30%	1	1	0
ALAMOSA COUNTY	Alamosa RE-11J	Alamosa RE-11J	69	17	24.60%	9	8	6	104	31	29.80%	24	27	10
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Alamosa H S	68	17	25.00%	9	8	6	96	27	28.10%	21	23	9
ARAPAHOE COUNTY	Adams-Arapahoe 28J	Alamosa Open H S	1	-	-	-	-	-	8	4	50.00%	3	4	1

	Archuleta County 50 JT (Pagosa Springs H S)													
ARCHULETA COUNTY		Archuleta County 50 JT (Pagosa Springs H S)	72	7	9.70%	6	1	4	87	12	13.80%	10	0	5
	Arickaree R-2													
WASHINGTON COUNTY		Arickaree R-2	14	1	7.10%	0	1	0	7	2	28.60%	1	2	1
	Arriba-Flagler C-20 (Flagler H S)													
KIT CARSON COUNTY		Arriba-Flagler C-20 (Flagler H S)	34	1	2.90%	1	0	0	10	2	20.00%	2	1	1
	Aspen 1													
PITKIN COUNTY		Aspen 1	39	3	7.70%	3	0	0	68	7	10.30%	6	3	2
	Ault-Highland RE-9 (Highland H S)													
WELD COUNTY		Ault-Highland RE-9 (Highland H S)	27	7	25.90%	5	5	5	46	11	23.90%	8	3	6
	Bayfield 10 JT-R													
LA PLATA COUNTY		Bayfield 10 JT-R	64	6	9.40%	5	2	3	102	24	23.50%	20	6	10
	Bennett 29J													
ADAMS COUNTY		Bennett 29J	61	8	13.10%	3	5	2	43	11	25.60%	10	3	5
	Bethune R-5													
KIT CARSON COUNTY		Bethune R-5	3	-	-	-	-	-	8	5	62.50%	4	3	1
	Big Sandy 100J													
ELBERT COUNTY		Big Sandy 100J (Simla H S)	18	5	27.80%	4	3	0	0	-	-	-	-	-
	Boulder Valley RE 2													
BOULDER COUNTY	Boulder Valley RE 2	Boulder Valley RE 2	904	161	17.80%	118	79	74	1,181	262	22.20%	218	132	115
BOULDER COUNTY	Boulder Valley RE 2	Arapahoe Ridge H S	3	-	-	-	-	-	12	7	58.30%	6	4	2
BOULDER COUNTY	Boulder Valley RE 2	Boulder H S	161	18	11.20%	15	8	6	206	39	18.90%	33	16	13
BOULDER COUNTY	Boulder Valley RE 2	Boulder Prep Charter H S	4	-	-	-	-	-	10	4	40.00%	4	3	3
BOULDER COUNTY	Boulder Valley RE 2	Broomfield H S	179	43	24.00%	31	19	20	215	57	26.50%	49	28	25
BOULDER COUNTY	Boulder Valley RE 2	Centaurus H S	123	36	29.30%	29	20	23	146	55	37.70%	46	31	27
BOULDER COUNTY	Boulder Valley RE 2	Fairview H S	279	32	11.50%	21	16	14	284	27	9.50%	20	16	17
BOULDER COUNTY	Boulder Valley RE 2	Monarch H S	122	18	14.80%	9	11	5	214	57	26.60%	46	31	24
BOULDER COUNTY	Boulder Valley RE 2	Nederland Middle/Sr H S	11	2	18.20%	1	0	1	31	1	3.20%	1	1	1
BOULDER COUNTY		New Vista H S	22	6	27.30%	6	2	1	63	15	23.80%	13	2	3
	Branson Reorganized 82													
LAS ANIMAS COUNTY		Branson Reorganized 82	3	-	-	-	-	-	12	0	0.00%	0	0	0
	Briggsdale RE-10													
WELD COUNTY		Briggsdale RE-10	16	2	12.50%	2	0	1	18	0	0.00%	0	0	0

	Brighton 27J													
ADAMS COUNTY	Brighton 27J	Brighton 27J	118	45	38.10%	25	29	17	155	68	43.90%	57	35	37
ADAMS COUNTY	Brighton 27J	Brighton Charter Sch	2	-	-	-	-	-	12	2	16.70%	1	1	1
ADAMS COUNTY		Brighton Heritage Academy	0	-	-	-	-	-	2	-	-	-	-	-
ADAMS COUNTY		Brighton H S	116	45	38.80%	25	29	17	141	65	46.10%	55	33	35
	Brush RE-2(J)													
MORGAN COUNTY		Brush RE-2(J)	106	24	22.60%	24	19	19	57	10	17.50%	8	10	6
	Buena Vista R-31													
CHAFFEE COUNTY		Buena Vista R-31	51	15	29.40%	13	8	8	93	13	14.00%	10	7	5
CHAFFEE COUNTY		Buena Vista H S	50	14	28.00%	12	8	7	89	13	14.60%	10	7	5
CHAFFEE COUNTY		Chaffee County H S	1	-	-	-	-	-	4	-	-	-	-	-
	Buffalo RE-4 (Merino H S)													
LOGAN COUNTY		Buffalo RE-4 (Merino H S)	27	3	11.10%	1	2	0	14	4	28.60%	4	4	4
	Burlington RE-6J													
KIT CARSON COUNTY		Burlington RE-6J	54	11	20.40%	7	5	4	35	16	45.70%	14	11	10
	Byers 32J													
ARAPAHOE COUNTY		Byers 32J	48	4	8.30%	4	2	1	26	3	11.50%	3	1	0
	Calhan RJ-1													
EL PASO COUNTY		Calhan RJ-1	27	1	3.70%	1	1	1	30	9	30.00%	7	2	2
	Campo RE-6													
BACA COUNTY		Campo RE-6	12	0	0.00%	0	0	0	12	2	16.70%	2	0	0
	Canon City RE-1													
FREMONT COUNTY		Canon City RE-1	113	38	33.60%	32	23	16	168	56	33.30%	44	25	31
FREMONT COUNTY		Canon City Senior H S	112	37	33.00%	31	22	15	161	50	31.10%	39	22	28
FREMONT COUNTY		Garden Park H S	1	-	-	-	-	-	7	6	85.70%	5	3	3
	Centennial R-1													
COSTILLA COUNTY	Centennial R-2	Centennial R-1	21	9	42.90%	8	4	3	21	8	38.10%	6	6	4
COSTILLA COUNTY	Centennial R-3	Centennial H S	10	4	40.00%	4	1	2	11	5	45.50%	5	4	4
COSTILLA COUNTY		Sierra Grande H S	11	5	45.50%	4	3	1	10	3	30.00%	1	2	0
	Center 26 JT													
SAGUACHE COUNTY		Center 26 JT	15	5	33.30%	3	5	3	25	14	56.00%	6	11	6
	Cheraw 31													
OTERO COUNTY		Cheraw 31	15	4	26.70%	4	2	3	22	5	22.70%	4	0	1
	Cherry Creek 5													
ARAPAHOE COUNTY	Cherry Creek 5	Cherry Creek 5	1,481	325	21.90%	201	185	143	1,824	452	24.80%	363	223	181
ARAPAHOE COUNTY	Cherry Creek 5	Cherry Creek H S	448	59	13.20%	32	34	29	479	74	15.40%	55	31	29
ARAPAHOE COUNTY		Cherry Creek Prep Alternative H S	1	-	-	-	-	-	4	-	-	-	-	-
ARAPAHOE COUNTY	Cherry Creek 5	Eaglecrest H S	255	63	24.70%	52	28	23	268	89	33.20%	79	43	34
ARAPAHOE COUNTY	Cherry Creek 5	Grandview H S	149	35	23.50%	21	23	13	327	93	28.40%	75	45	29
ARAPAHOE COUNTY	Cherry Creek 5	Overland H S	259	82	31.70%	46	51	39	346	87	25.10%	72	48	40
ARAPAHOE COUNTY		Smoky Hill H S	369	86	23.30%	50	49	39	400	107	26.80%	81	54	47
	Cheyenne County RE-5 (Cheyenne Wells H S)													

CHEYENNE COUNTY		Cheyenne Cty RE-5 (Cheyenne Wells H S)	28	0	0.00%	0	0	0	44	2	4.50%	2	2	1
	Cheyenne Mountain 12													
EL PASO COUNTY		Cheyenne Mountain 12	182	33	18.10%	25	18	20	157	19	12.10%	15	9	8
	Clear Creek RE-1													
CLEAR CREEK COUNTY		Clear Creek RE-2	55	4	7.30%	4	3	0	57	10	17.50%	6	3	2
	Colorado Springs 11													
EL PASO COUNTY	Colorado Springs 11	Colorado Springs 11	809	199	24.60%	161	66	92	968	279	28.80%	243	102	149
EL PASO COUNTY	Colorado Springs 11	CIVA Charter Sch	3	-	-	-	-	-	13	6	46.20%	6	1	2
EL PASO COUNTY	Colorado Springs 11	Community Prep Charter Sch	1	-	-	-	-	-	10	3	30.00%	3	2	2
EL PASO COUNTY	Colorado Springs 11	Coronado H S	207	51	24.60%	45	14	16	216	52	24.10%	42	18	26
EL PASO COUNTY		Globe Charter Sch	0	-	-	-	-	-	3	-	-	-	-	-
EL PASO COUNTY		Nikola Tesla Ed Opp Center	0	-	-	-	-	-	2	-	-	-	-	-
EL PASO COUNTY	Colorado Springs 11	Roy Wasson H S	90	25	27.80%	23	12	12	156	53	34.00%	50	16	28
EL PASO COUNTY	Colorado Springs 11	Thomas Doherty H S	223	51	22.90%	33	11	29	240	64	26.70%	50	28	28
EL PASO COUNTY	Colorado Springs 11	William Mitchell H S	96	33	34.40%	26	16	15	124	46	37.10%	42	18	31
EL PASO COUNTY		William Palmer H S	189	37	19.60%	32	13	19	204	53	26.00%	48	18	30
	Consolidated C-1 (Custer H S)													
CUSTER COUNTY		Consolidated C-1 (Custer H S)	20	7	35.00%	5	3	3	27	6	22.20%	6	2	1
	Cotopaxi RE-3													
FREMONT COUNTY		Cotopaxi RE-3	17	6	35.30%	5	3	3	21	5	23.80%	4	1	0
	Creede Consolidated 1													
MINERAL COUNTY		Creede Consolidated 1	4	-	-	-	-	-	8	0	0.00%	0	0	0
	Cripple Creek-Victor RE-1													
TELLER COUNTY		Cripple Creek-Victor RE-1	12	3	25.00%	3	2	1	20	6	30.00%	6	4	3
	Crowley County RE-1-J													
COSTILLA COUNTY		Crowley County RE-1-J	25	14	56.00%	13	4	8	41	9	22.00%	9	2	3
	De Beque 49JT													
MESA COUNTY		De Beque 49JT	3	-	-	-	-	-	4	-	-	-	-	-
	Deer Trail 26J													
ARAPAHOE COUNTY		Deer Trail 26J	6	1	16.70%	1	0	0	8	3	37.50%	2	1	2
	Del Norte C-7													
RIO GRANDE COUNTY		Del Norte C-7	24	6	25.00%	4	4	3	47	16	34.00%	9	14	10

	Delta County 50(J)													
DELTA COUNTY	Delta County 50(J)	Delta County 50(J)	228	28	12.30%	25	9	14	325	22	6.80%	19	8	9
DELTA COUNTY	Delta County 50(J)	Cedaredge H S	51	4	7.80%	4	2	3	99	4	4.00%	3	2	4
DELTA COUNTY	Delta County 50(J)	Delta H S	67	12	17.90%	10	5	5	111	11	9.90%	10	2	3
DELTA COUNTY	Delta County 50(J)	Hotchkiss H S	63	4	6.30%	4	0	3	88	5	5.70%	5	4	1
DELTA COUNTY		Paonia H S	47	8	17.00%	7	2	3	27	2	7.40%	1	0	1
	Denver County 1													
DENVER COUNTY	Denver County 1	Denver County 1	1,211	509	42.00%	354	340	238	1,633	683	41.80%	615	385	350
DENVER COUNTY	Denver County 1	Abraham Lincoln H S	49	35	71.40%	24	28	19	76	44	57.90%	34	36	29
DENVER COUNTY		Challenges Choices and Images	0	-	-	-	-	-	1	-	-	-	-	-
DENVER COUNTY		Contemporary Lrng Acad Zuni	2	-	-	-	-	-	5	4	80.00%	4	2	3
DENVER COUNTY	Denver County 1	Denver Sch of the Arts	25	3	12.00%	3	0	1	64	14	21.90%	13	4	4
DENVER COUNTY	Denver County 1	East H S	148	55	37.20%	44	32	31	212	88	41.50%	84	44	46
DENVER COUNTY	Denver County 1	Emily Griffith Opportunity Sch	10	6	60.00%	5	5	3	49	16	32.70%	16	12	12
DENVER COUNTY		Florence Crittenden Sch	0	-	-	-	-	-	2	-	-	-	-	-
DENVER COUNTY		Fred N Thomas Career Ed Ctr	1	-	-	-	-	-	46	3	6.50%	2	1	1
DENVER COUNTY	Denver County 1	George Washington H S	149	52	34.90%	36	33	23	199	73	36.70%	63	38	33
DENVER COUNTY	Denver County 1	J K Mullen H S	113	14	12.40%	7	9	1	115	15	13.00%	11	7	4
DENVER COUNTY	Denver County 1	John Kennedy H S	158	57	36.10%	37	34	35	167	69	41.30%	61	31	31
DENVER COUNTY	Denver County 1	Manual H S	66	41	62.10%	32	29	16	106	53	50.00%	51	44	33
DENVER COUNTY	Denver County 1	Montbello H S	67	42	62.70%	31	24	24	79	43	54.40%	40	21	19
DENVER COUNTY	Denver County 1	North H S	97	53	54.60%	38	38	25	110	66	60.00%	61	36	32
DENVER COUNTY	Denver County 1	P.S.1 Charter	2	-	-	-	-	-	15	8	53.30%	8	1	2
DENVER COUNTY	Denver County 1	Rocky Mountain Sch	6	1	16.70%	0	1	1	8	-	-	-	-	-
DENVER COUNTY	Denver County 1	South H S	110	53	48.20%	32	40	15	122	65	53.30%	56	47	36
DENVER COUNTY	Denver County 1	Thomas Jefferson H S	101	35	34.70%	20	20	11	118	47	39.80%	43	17	21
DENVER COUNTY		West H S	107	61	57.00%	45	47	33	139	73	52.50%	66	44	44
	Dolores County RE-2													
DOLORES COUNTY		Dolores County RE-2 (Dolores Sr H S)	23	8	34.80%	8	2	3	23	3	13.00%	3	1	2
	Dolores RE-4A													
MONTEZUMA COUNTY		Dolores RE-4A (Dolores County H S)	29	3	10.30%	3	0	0	41	4	9.80%	3	2	3
	Douglas County RE 1													
DOUGLAS COUNTY	Douglas County RE 1	Douglas County RE 1	1,073	204	19.00%	133	93	83	1,330	309	23.20%	262	114	93

DOUGLAS COUNTY	Douglas County RE 1	Chaparral H S	140	28	20.00%	10	18	9	204	46	22.50%	37	18	18
DOUGLAS COUNTY	Douglas County RE 1	Daniel Oakes H S	3	-	-	-	-	-	7	4	57.10%	4	0	2
DOUGLAS COUNTY	Douglas County RE 1	Daniel Oakes H S- CR	2	-	-	-	-	-	2	-	-	-	-	-
DOUGLAS COUNTY	Douglas County RE 1	Douglas County H S	221	39	17.60%	26	17	16	296	63	21.30%	53	23	25
DOUGLAS COUNTY	Douglas County RE 1	Eagle Academy	8	5	62.50%	4	2	1	16	13	81.30%	13	5	4
DOUGLAS COUNTY	Douglas County RE 1	Highlands Ranch H S	291	50	17.20%	39	19	23	282	64	22.70%	52	28	20
DOUGLAS COUNTY		Plum Creek Academy	0	-	-	-	-	-	1	-	-	-	-	-
DOUGLAS COUNTY	Douglas County RE 1	Ponderosa H S	212	33	15.60%	25	16	15	248	44	17.70%	31	20	13
DOUGLAS COUNTY		Thunderridge H S	196	45	23.00%	27	18	18	274	75	27.40%	72	20	11
	Durango 9-R													
LA PLATA COUNTY		Durango 9-R	280	42	15.00%	34	9	20	334	50	15.00%	45	13	20
LA PLATA COUNTY		Durango H S	279	41	14.70%	34	8	19	330	50	15.20%	45	13	20
LA PLATA COUNTY		The Excel Charter Sch	1	-	-	-	-	-	4	-	-	-	-	-
	Eads RE-1													
KIOWA COUNTY		Eads RE-1	38	3	7.90%	2	2	1	26	6	23.10%	5	3	2
	Eagle County RE 50													
EAGLE COUNTY	Eagle County RE 50	Eagle County RE 50	104	25	24.00%	15	12	16	198	30	15.20%	26	13	16
EAGLE COUNTY	Eagle County RE 50	Battle Mountain H S	50	7	14.00%	4	3	4	74	10	13.50%	10	5	7
EAGLE COUNTY		Eagle County Charter Academy	0	-	-	-	-	-	3	-	-	-	-	-
EAGLE COUNTY		Eagle Valley H S	54	18	33.30%	11	9	12	121	17	14.00%	13	6	7
	East Grand 2 (Middle Park H S)													
GRAND COUNTY		East Grand 2 (Middle Park H S)	66	8	12.10%	6	1	4	96	15	15.60%	9	3	10
	East Otero R-1													
OTERO COUNTY		East Otero R-1 (La Junta H S)	74	22	29.70%	21	12	9	112	32	28.60%	30	13	15
	East Yuma County RJ-2													
YUMA COUNTY	East Yuma County RJ-2	East Yuma County RJ-2	86	3	3.50%	2	2	2	79	13	16.50%	12	5	5
YUMA COUNTY	East Yuma County RJ-2	Idalia Jr/Sr H S	21	1	4.80%	1	0	0	24	3	12.50%	3	1	1
YUMA COUNTY		Wray H S	65	2	3.10%	1	2	2	55	10	18.20%	9	4	4
	Eaton RE-2													
WELD COUNTY		Eaton RE-2	69	16	23.20%	9	5	8	71	20	28.20%	17	6	7
	Edison 54 JT													
EL PASO COUNTY		Edison 54 JT	3	-	-	-	-	-	7	0	0.00%	0	0	0
	Elbert 200													
ELBERT COUNTY		Elbert 200	12	0	0.00%	-	-	-	8	2	25.00%	2	0	0
	Elizabeth C-1													
ELBERT COUNTY		Elizabeth C-1	70	14	20.00%	9	11	7	127	39	30.70%	35	9	10
ELBERT COUNTY		Elizabeth H S	70	14	20.00%	9	11	7	123	37	30.10%	33	9	9
ELBERT COUNTY		Frontier H S	0	-	-	-	-	-	4	-	-	-	-	-

	Ellicott 22													
EL PASO COUNTY		Ellicott 22	13	3	23.10%	1	1	3	16	4	25.00%	4	3	2
	Englewood 1													
ARAPAHOE COUNTY	Englewood 1	Englewood 1	129	48	37.20%	33	25	21	146	55	37.70%	52	21	25
ARAPAHOE COUNTY	Englewood 1	CO's Finest Altern	30	11	36.70%	9	3	1	40	15	37.50%	14	7	8
ARAPAHOE COUNTY		Englewood H S	99	37	37.40%	24	22	20	106	40	37.70%	38	14	17
	Falcon 49													
EL PASO COUNTY	Falcon 49	Falcon 49	151	35	23.20%	30	10	18	176	51	29.00%	44	23	27
EL PASO COUNTY	Falcon 49	Falcon H S	49	7	14.30%	6	2	2	77	14	18.20%	12	5	9
EL PASO COUNTY		Sand Creek H S	102	28	27.50%	24	8	16	99	37	37.40%	32	18	18
	Florence RE-2													
FREMONT COUNTY		Florence RE-2	52	19	36.50%	18	10	7	62	33	53.20%	30	15	17
	Fort Morgan RE-3													
MORGAN COUNTY		Fort Morgan RE-3	101	38	37.60%	32	26	27	123	55	44.70%	52	35	36
MORGAN COUNTY		Fort Morgan H S	100	37	37.00%	31	25	26	115	48	41.70%	45	31	33
MORGAN COUNTY		Lincoln H S	1	-	-	-	-	-	8	7	87.50%	7	4	3
	Fountain 8													
EL PASO COUNTY		Fountain 8	115	34	29.60%	32	19	18	157	28	17.80%	26	17	16
	Fowler R-4J													
OTERO COUNTY		Fowler R-4J	8	4	50.00%	2	3	3	21	8	38.10%	6	5	5
	Frenchman RE-3 (Fleming H S)													
LOGAN COUNTY		Frenchman RE-3 (Fleming H S)	15	2	13.30%	2	1	1	26	2	7.70%	2	2	1
	Garfield 16 (Grand Valley H S)													
GARFIELD COUNTY		Garfield 16 (Grand Valley H S)	15	4	26.70%	3	1	3	22	7	31.80%	5	2	4
	Garfield RE-2 (Rifle H S)													
GARFIELD COUNTY		Garfield RE-2 (Rifle H S)	94	27	28.70%	17	7	16	97	21	21.60%	20	9	8
	Genoa-Hugo C113													
LINCOLN COUNTY		Genoa-Hugo C113	21	1	4.80%	0	0	1	8	1	12.50%	1	0	0
	Gilcrest RE-1													
WELD COUNTY		Gilcrest/Weld County RE-1 (Valley H S)	88	23	26.10%	18	9	14	105	33	31.40%	21	13	13
	Gilpin County RE-1													
GILPIN COUNTY		Gilpin County RE-1	14	3	21.40%	3	2	2	26	6	23.10%	5	2	1
	Granada RE-1													
PROWERS COUNTY		Granada RE-1	17	2	11.80%	1	1	1	29	0	0.00%	0	0	0
	Greeley 6													
WELD COUNTY	Greeley 6	Greeley 6	483	154	31.90%	124	53	83	582	163	28.00%	125	73	89
WELD COUNTY	Greeley 6	CO Charter H S of Greeley	14	13	92.90%	11	9	5	29	16	55.20%	15	9	11
WELD COUNTY	Greeley 6	Greeley Central H S	230	72	31.30%	58	18	37	268	65	24.30%	50	31	43
WELD COUNTY	Greeley 6	Greeley West H S	201	61	30.30%	49	21	35	226	69	30.50%	49	26	30
WELD COUNTY	Greeley 6	Northridge H S	0	-	-	-	-	-	20	3	15.00%	2	2	1



WELD COUNTY	Greeley 6	Trademark Learning Ctr	7	5	71.40%	5	4	4	12	7	58.30%	7	4	4
WELD COUNTY		Union Colony Charter Sch	31	3	9.70%	1	1	2	27	3	11.10%	2	1	0
	Gunnison Watershed RE1J													
GUNNISON COUNTY	Gunnison Watershed RE1J	Gunnison Watershed RE1J	45	9	20.00%	8	0	5	64	16	25.00%	13	7	5
GUNNISON COUNTY	Gunnison Watershed RE1J	Crested Butte Academy	1	-	-	-	-	-	6	1	16.70%	1	0	0
GUNNISON COUNTY	Gunnison Watershed RE1J	Crested Butte Community Sch	11	2	18.20%	2	0	1	6	0	0.00%	0	0	0
GUNNISON COUNTY		Gunnison H S	32	6	18.80%	5	0	4	50	14	28.00%	11	7	5
GUNNISON COUNTY		Gunnison Valley Sch	1	-	-	-	-	-	2	-	-	-	-	-
	Hanover 28													
EL PASO COUNTY		Hanover 28	15	1	6.70%	1	0	0	16	3	18.80%	3	3	2
	Harrison 2													
EL PASO COUNTY	Harrison 2	Harrison 2	146	52	35.60%	47	26	32	164	63	38.40%	58	27	36
EL PASO COUNTY	Harrison 2	Harrison H S	75	30	40.00%	27	13	19	61	27	44.30%	26	16	16
EL PASO COUNTY		James Irwin Charter H S	0	-	-	-	-	-	12	1	8.30%	1	0	1
EL PASO COUNTY	Harrison 2	New Horizons Day Sch	2	-	-	-	-	-	4	-	-	-	-	-
EL PASO COUNTY		Sierra H S	69	21	30.40%	19	13	12	87	32	36.80%	28	11	18
	Haxtun RE-2J													
PHILLIPS COUNTY		Haxtun RE-2J	15	4	26.70%	4	1	1	23	4	17.40%	4	0	0
	Hayden RE-1													
ROUTT COUNTY		Hayden RE-1	19	5	26.30%	4	2	3	30	2	6.70%	2	1	2
	Hi-Plains R-23													
KIT CARSON COUNTY		Hi-Plains R-23	12	2	16.70%	2	1	2	13	4	30.80%	4	2	2
	Hinsdale County RE 1 (Lake City H S)													
HINSDALE COUNTY		Hinsdale County RE 1 (Lake City H S)	1	-	-	-	-	-	0	0	-	-	-	-
	Hoehne Reorganized 3													
LAS ANIMAS COUNTY		Hoehne Reorganized 3	18	3	16.70%	2	2	0	23	5	21.70%	5	4	3
	Holly RE-3													
PROWERS COUNTY		Holly RE-3	20	2	10.00%	1	1	0	26	0	0.00%	0	0	0
	Holyoke RE-1J													
PHILLIPS COUNTY		Holyoke RE-1J	38	2	5.30%	2	1	1	58	8	13.80%	7	2	1
	Huerfano RE-1 (John Mall H S)													
HUERFANO COUNTY		Huerfano RE-1 (John Mall H S)	42	3	7.10%	3	2	3	49	11	22.40%	10	6	5
	Ignacio 11 JT													
LA PLATA COUNTY		Ignacio 11 JT	38	10	26.30%	8	1	5	38	10	26.30%	10	3	4
	Jefferson County R-1													
JEFFERSON COUNTY	Jefferson County R-1	Jefferson County R-1	3,484	870	25.00%	582	442	310	4,072	1,122	27.60%	978	388	403

[illegible]

LINCOLN COUNTY		Karval RE-23	1	-	-	-	-	-	6	0	0.00%	0	0	0
	Keenesburg RE-3(J) (Weld Central Jr/Sr H S)													
WELD COUNTY		Keenesburg RE-3(J) (Weld Central Jr/Sr H S)	38	12	31.60%	10	7	8	66	23	34.80%	21	10	10
	Kim Reorganized 88													
LAS ANIMAS COUNTY		Kim Reorganized 88	2	-	-	-	-	-	2	-	-	-	-	-
	Kiowa C-2													
ELBERT COUNTY		Kiowa C-2	18	4	22.20%	4	2	2	21	8	38.10%	8	2	2
	Kit Carson R-0													
CHEYENNE COUNTY		Kit Carson R-1	9	1	11.10%	1	0	0	11	0	0.00%	0	0	0
	La Veta RE-2													
HUERFANO COUNTY		La Veta RE-2	13	5	38.50%	5	1	2	22	8	36.40%	8	3	3
	Lake County R-1													
LAKE COUNTY		Lake County R-1	44	6	13.60%	3	4	3	39	7	17.90%	6	2	1
	Lamar RE-2													
PROWERS COUNTY		Lamar RE-2	87	16	18.40%	14	9	10	114	22	19.30%	15	16	11
	Las Animas RE-1													
BENT COUNTY		Las Animas RE-1	20	4	20.00%	2	3	1	45	10	22.20%	9	5	5
	Lewis-Palmer 38													
EL PASO COUNTY		Lewis-Palmer 38	194	35	18.00%	28	15	20	178	31	17.40%	26	9	14
	Limon RE-4J													
LINCOLN COUNTY		Limon RE-4J	61	4	6.60%	4	2	1	33	3	9.10%	3	0	1
	Littleton 6													
ARAPAHOE COUNTY	Littleton 6	Littleton 6	733	170	23.20%	120	77	60	811	196	24.20%	158	78	66
ARAPAHOE COUNTY	Littleton 6	Arapahoe H S	310	69	22.30%	45	31	24	330	64	19.40%	51	21	19
ARAPAHOE COUNTY	Littleton 6	Heritage H S	255	57	22.40%	44	22	23	290	81	27.90%	70	34	23
ARAPAHOE COUNTY		Littleton H S	168	44	26.20%	31	24	13	191	51	26.70%	37	23	24
	Lone Star 101													
WASHINGTON COUNTY		Lone Star 101	12	2	16.70%	0	2	2	5	3	60.00%	2	3	2
	Mancos RE-6													
MONTEZUMA COUNTY		Mancos RE-6	34	7	20.60%	5	3	4	30	7	23.30%	5	3	5
	Manitou Springs 14													
EL PASO COUNTY		Manitou Springs 14	70	7	10.00%	6	2	4	76	18	23.70%	15	8	8
	Manzanola 3J													
OTERO COUNTY		Manzanola 3J	7	2	28.60%	2	2	1	11	7	63.60%	6	5	4
	Mapleton 1													
ADAMS COUNTY		Mapleton 1 (Skyview H S)	70	40	57.10%	26	22	21	81	33	40.70%	32	20	18
	McClave RE-2													
BENT COUNTY		McClave RE-2	36	4	11.10%	4	0	2	23	5	21.70%	5	1	1
	Meeker RE1													
RIO BLANCO COUNTY		Meeker RE1	41	6	14.60%	5	0	2	45	4	8.90%	3	1	2
	Mesa County Valley 51													
MESA COUNTY	Mesa County Valley 51	Mesa County Valley 51	520	173	33.30%	132	21	108	731	185	25.30%	143	17	117

MESA COUNTY	Mesa County Valley 51	Central H S	117	35	29.90%	25	2	22	222	52	23.40%	38	7	33
MESA COUNTY	Mesa County Valley 51	Fruita Monument H S	148	47	31.80%	36	10	33	197	44	22.30%	32	4	29
MESA COUNTY	Mesa County Valley 51	Gateway H S	2	-	-	-	-	-	8	2	25.00%	2	1	1
MESA COUNTY	Mesa County Valley 51	Grand Junction H S	172	47	27.30%	38	4	22	188	44	23.40%	31	3	28
MESA COUNTY	Mesa County Valley 51	Palisade H S	67	31	46.30%	25	3	22	99	36	36.40%	33	1	21
MESA COUNTY		R-5 H S	14	12	85.70%	8	1	9	17	7	41.20%	7	1	5
	Miami/Yoder 60 JT													
EL PASO COUNTY		Miami/Yoder 60 JT	20	0	0.00%	0	0	0	33	5	15.20%	3	3	5
	Moffat 2													
SAGUACHE COUNTY		Moffat 2	5	3	60.00%	3	2	1	6	4	66.70%	2	3	1
	Moffat County RE-1													
MOFFAT COUNTY		Moffat County RE-1	126	20	15.90%	18	12	9	214	39	18.20%	36	20	23
	Monte Vista C-8													
RIO GRANDE COUNTY		Monte Vista C-8	45	7	15.60%	7	3	4	69	17	24.60%	12	14	3
	Montezuma-Cortez RE-1													
MONTEZUMA COUNTY	Montezuma-Cortez RE-1	Montezuma-Cortez RE-1	95	17	17.90%	15	1	2	138	24	17.40%	19	7	11
MONTEZUMA COUNTY	Montezuma-Cortez RE-1	Montezuma-Cortez H S	92	17	18.50%	15	1	2	136	22	16.20%	17	7	11
MONTEZUMA COUNTY		Southwest Open Charter Sch	3	-	-	-	-	-	2	-	-	-	-	-
	Montrose County RE-1J													
MONTROSE COUNTY	Montrose County RE-1J	Montrose County RE-1J	116	33	28.40%	25	6	14	166	32	19.30%	28	6	15
MONTROSE COUNTY	Montrose County RE-1J	Montrose H S	89	25	28.10%	19	2	11	116	23	19.80%	21	4	8
MONTROSE COUNTY	Montrose County RE-1J	Olathe H S	26	7	26.90%	5	3	3	50	9	18.00%	7	2	7
MONTROSE COUNTY		Passage Charter Sch	1	-	-	-	-	-	0	-	-	-	-	-
	Mountain Valley RE 1													
SAGUACHE COUNTY		Mountain Valley RE 1	9	2	22.20%	2	1	1	12	4	33.30%	3	4	2
	North Conejos RE-1J													
CONEJOS		North Conejos RE-1J (Centauri H S)	46	12	26.10%	12	8	6	63	23	36.50%	17	17	8
	North Park R-1													
JACKSON COUNTY		North Park R-1	9	0	0.00%	0	0	0	13	1	7.70%	1	0	0
	Northglenn-Thornton 12													
ADAMS COUNTY	Northglenn-Thornton 12	Northglenn-Thornton 12	761	291	38.20%	190	170	135	855	315	36.80%	261	182	160

ADAMS COUNTY	Northglenn-Thornton 12	Academy of Charter Sch	5	2	40.00%	1	1	0	14	4	28.60%	4	2	1
ADAMS COUNTY	Northglenn-Thornton 12	Horizon H S	306	123	40.20%	81	73	57	299	113	37.80%	97	59	51
ADAMS COUNTY		Legacy H S	0	-	-	-	-	-	11	2	18.20%	2	2	1
ADAMS COUNTY	Northglenn-Thornton 12	Northglenn H S	259	96	37.10%	61	55	51	307	97	31.60%	70	62	51
ADAMS COUNTY		Pinnacle Charter Sch	0	-	-	-	-	-	2	-	-	-	-	-
ADAMS COUNTY	Northglenn-Thornton 12	Thornton H S	181	64	35.40%	42	36	24	210	86	41.00%	75	48	49
ADAMS COUNTY		Vantage Point	10	6	60.00%	5	5	3	12	12	100.00%	12	8	7
	Norwood R-2J													
SAN MIGUEL COUNTY		Norwood R-2J	11	3	27.30%	3	0	2	13	0	0.00%	0	0	0
	Otis R-3													
WASHINGTON COUNTY		Otis R-3	14	1	7.10%	1	0	0	13	2	15.40%	2	0	1
	Ouray R-1													
OURAY COUNTY		Ouray R-1	8	1	12.50%	1	0	1	19	3	15.80%	3	0	0
	Park R-3 (Estes Park H S)													
LARIMER COUNTY		Park R-3 (Estes Park H S)	38	2	5.30%	2	2	2	66	11	16.70%	9	5	6
	Park County RE-2 (South Park H S)													
PARK COUNTY		Park County RE-2 (South Park H S)	15	4	26.70%	4	2	2	17	6	35.30%	5	4	1
	Pawnee RE-12													
WELD COUNTY	Pawnee RE-13	Pawnee RE-12	37	9	24.30%	8	5	4	37	8	21.60%	8	3	1
WELD COUNTY	Pawnee RE-14	Pawnee H S	9	0	0.00%	0	0	0	9	0	0.00%	0	0	0
WELD COUNTY		Peyton H S	28	9	32.10%	8	5	4	28	8	28.60%	8	3	1
	Plainview RE-2													
KIOWA COUNTY		Plainview RE-2	8	1	12.50%	1	0	0	5	3	60.00%	3	1	1
	Plateau RE-5 (Peetz Jr/Sr H S)													
LOGAN COUNTY		Plateau RE-5 (Peetz Jr/Sr H S)	4	-	-	-	-	-	10	3	30.00%	3	1	2
	Plateau Valley 50													
MESA COUNTY		Plateau Valley 50	5	2	40.00%	2	0	2	28	8	28.60%	7	4	4
MESA COUNTY		Grand Mesa H S	0	-	-	-	-	-	8	6	75.00%	6	3	4
MESA COUNTY		Plateau Valley H S	5	2	40.00%	2	0	2	20	2	10.00%	1	1	0
	Platte Canyon 1													
PARK COUNTY		Platte Canyon 1	37	11	29.70%	9	7	4	69	9	13.00%	8	0	5
	Platte Valley RE-3 (Revere H S)													
SEDGWICK COUNTY		Platte Valley RE-3 (Revere H S)	11	1	9.10%	0	1	1	8	1	12.50%	1	1	0
	Platte Valley RE-7													
WELD COUNTY		Platte Valley RE-7	33	7	21.20%	3	4	4	50	10	20.00%	6	6	5
	Poudre R-1													
LARIMER COUNTY	Poudre R-1	Poudre R-1	814	205	25.20%	174	97	95	949	232	24.40%	196	110	113
LARIMER COUNTY	Poudre R-1	Centennial H S	15	8	53.30%	8	3	3	29	16	55.20%	16	8	10
LARIMER COUNTY	Poudre R-1	Fort Collins H S	302	61	20.20%	52	31	24	317	71	22.40%	55	34	37

LARIMER COUNTY	Poudre R-1	Poudre H S	196	55	28.10%	47	26	28	242	66	27.30%	58	30	34
LARIMER COUNTY		Rocky Mountain H S	301	81	26.90%	67	37	40	361	79	21.90%	67	38	32
	Prairie RE-11													
WELD COUNTY		Prairie RE-11	17	0	0.00%	0	0	0	6	1	16.70%	1	1	1
	Primero Reorganized 2													
LAS ANIMAS COUNTY		Primero Reorganized 2	8	1	12.50%	1	1	1	15	0	0.00%	0	0	0
	Pritchett RE-3													
BACA COUNTY		Pritchett RE-3	3	-	-	-	-	-	1	-	-	-	-	-
	Pueblo City 60													
PUEBLO COUNTY	Pueblo City 60	Pueblo City 60	597	240	40.20%	188	137	102	787	283	36.00%	245	179	133
PUEBLO COUNTY	Pueblo City 60	Centennial H S	123	47	38.20%	34	28	22	170	55	32.40%	48	32	26
PUEBLO COUNTY	Pueblo City 60	Central H S	157	61	38.90%	47	37	26	194	83	42.80%	71	53	46
PUEBLO COUNTY	Pueblo City 60	Keating Alternative	9	8	88.90%	8	6	5	8	5	62.50%	5	4	3
		Pueblo Charter - Arts & Sci	4	-	-	-	-	-	0	-	-	-	-	-
PUEBLO COUNTY	Pueblo City 60	Pueblo East H S	108	54	50.00%	45	30	21	150	61	40.70%	55	40	29
PUEBLO COUNTY		South H S	196	68	34.70%	52	35	28	265	79	29.80%	66	50	29
	Pueblo County Rural 70													
PUEBLO COUNTY	Pueblo County Rural 70	Pueblo County Rural 70	199	77	38.70%	69	35	27	292	100	34.20%	89	39	21
PUEBLO COUNTY	Pueblo County Rural 70	Pueblo County H S	106	40	37.70%	34	19	14	139	53	38.10%	49	20	13
PUEBLO COUNTY	Pueblo County Rural 70	Pueblo Technical Academy	1	-	-	-	-	-	14	2	14.30%	2	0	0
		Pueblo County Rural 70												
PUEBLO COUNTY	Pueblo County Rural 70	Pueblo West H S	59	23	39.00%	22	7	5	109	33	30.30%	26	14	5
PUEBLO COUNTY		Rye H S	33	14	42.40%	13	9	8	30	12	40.00%	12	5	3
	Rangely RE-4													
RIO BLANCO COUNTY		Rangely RE-4	37	7	18.90%	7	3	4	63	19	30.20%	15	8	13
	Ridgway R-2													
OURAY COUNTY		Ridgway R-2	13	4	30.80%	2	0	3	19	3	15.80%	3	2	2
	Roaring Fork RE-1													
GARFIELD COUNTY	Roaring Fork RE-1	Roaring Fork RE-1	250	33	13.20%	27	10	16	302	49	16.20%	39	22	20
GARFIELD COUNTY	Roaring Fork RE-1	Basalt H S	68	4	5.90%	3	2	2	62	12	19.40%	11	5	6
GARFIELD COUNTY		Bridges H S	2	-	-	-	-	-	14	1	7.10%	1	1	0
		Glenwood Springs H S	114	18	15.80%	14	6	7	145	22	15.20%	15	12	9
GARFIELD COUNTY	Roaring Fork RE-1	Roaring Fork H S	46	9	19.60%	8	1	5	55	10	18.20%	9	1	4
		Yampah Mountain H S	20	1	5.00%	1	1	1	26	4	15.40%	3	3	1
	Rocky Ford R-2													
OTERO COUNTY		Rocky Ford R-2	23	4	17.40%	4	1	2	39	6	15.40%	6	1	3
	Salida R-31													
CHAFFEE COUNTY		Salida R-32	50	10	20.00%	7	5	5	75	6	8.00%	6	1	1
	Sanford 6J													
CONEJOS COUNTY		Sanford 6J	6	1	16.70%	1	0	0	18	9	50.00%	6	6	2
	Sangre de Cristo RE-22J													
ALAMOSA COUNTY		Sangre de Cristo RE-22J	19	4	21.10%	3	4	2	14	4	28.60%	4	4	3

	Sargent RE-33J													
RIO GRANDE COUNTY		Sargent RE-33J	15	2	13.30%	2	0	0	20	6	30.00%	6	4	1
	Sheridan 2													
ARAPAHOE COUNTY		Sheridan 2	76	18	23.70%	9	12	5	58	17	29.30%	16	9	4
	Silverton 1													
SAN JUAN COUNTY		Silverton 1	8	2	25.00%	1	0	1	7	2	28.60%	2	0	1
	South Conejos RE-10 (Antonito H S)													
		South Conejos RE-10 (Antonito H S)	14	3	21.40%	3	2	2	20	5	25.00%	4	4	0
	South Routt RE 3 Soroco H S)													
ROUTT COUNTY		South Routt RE 3 (Soroco H S)	31	2	6.50%	2	0	0	27	3	11.10%	3	1	0
	Springfield RE-4													
BACA COUNTY		Springfield RE-4	44	5	11.40%	4	3	1	29	2	6.90%	2	1	1
	Steamboat Springs RE-2													
		Steamboat Springs RE-2	116	10	8.60%	6	5	5	97	19	19.60%	13	8	4
	Strasburg 31J													
ADAMS COUNTY		Strasburg 31J	40	3	7.50%	2	1	2	39	5	12.80%	5	2	2
	Stratton R-4													
KIT CARSON COUNTY		Stratton R-4	24	7	29.20%	7	1	1	16	6	37.50%	5	3	2
	St Vrain Valley RE 1J													
BOULDER COUNTY	St Vrain Valley RE 1J	St Vrain Valley RE 1J	648	132	20.40%	113	45	48	789	186	23.60%	170	81	61
BOULDER COUNTY	St Vrain Valley RE 1J	Erie Middle/Sr H S	42	10	23.80%	9	3	4	68	16	23.50%	16	10	7
BOULDER COUNTY	St Vrain Valley RE 1J	Frederick Sr H S	26	9	34.60%	8	6	4	45	19	42.20%	17	10	8
BOULDER COUNTY	St Vrain Valley RE 1J	Longmont H S	247	49	19.80%	42	15	18	266	56	21.10%	51	25	17
BOULDER COUNTY	St Vrain Valley RE 1J	Lyons Middle/Sr H S	35	4	11.40%	4	1	2	41	9	22.00%	8	2	1
BOULDER COUNTY	St Vrain Valley RE 1J	Niwot H S	147	25	17.00%	20	5	5	165	31	18.80%	29	8	9
BOULDER COUNTY	St Vrain Valley RE 1J	Olde Columbine H S	10	3	30.00%	3	1	0	9	3	33.30%	3	2	2
BOULDER COUNTY		Silver Creek H S	0	-	-	-	-	-	4	-	-	-	-	-
BOULDER COUNTY		Skyline H S	141	32	22.70%	27	14	15	189	52	27.50%	46	24	17
BOULDER COUNTY		Ute Creek Secondary Academy	0	-	-	-	-	-	2	-	-	-	-	-
	Summit RE-1													
SUMMIT COUNTY		Summit RE-1	154	9	5.80%	6	2	4	182	20	11.00%	14	11	6
	Swink 33													
OTERO COUNTY		Swink 33	21	3	14.30%	3	2	1	33	2	6.10%	2	0	1
	Telluride R-1													
SAN MIGUEL COUNTY		Telluride R-1	14	2	14.30%	2	2	2	10	0	0.00%	0	0	0
	Thompson R-2J													
LARIMER COUNTY	Thompson R-2J	Thompson R-2J	531	158	29.80%	137	61	80	646	157	24.30%	132	76	79

LARIMER COUNTY	Thompson R-2J	Berthoud H S	89	28	31.50%	24	11	18	118	23	19.50%	18	15	8
LARIMER COUNTY	Thompson R-2J	Harold Ferguson H S	8	4	50.00%	3	2	3	21	13	61.90%	11	6	11
LARIMER COUNTY	Thompson R-2J	Loveland H S	259	77	29.70%	68	27	34	211	46	21.80%	35	21	21
LARIMER COUNTY		Mountain View H S	0	-	-	-	-	-	73	20	27.40%	18	10	11
LARIMER COUNTY		Thompson Valley H S	175	49	28.00%	42	21	25	223	55	24.70%	50	24	28
	Trinidad 1													
LAS ANIMAS COUNTY		Trinidad 1	54	14	25.90%	12	10	8	55	26	47.30%	23	15	13
	Valley RE-1													
LOGAN COUNTY	Valley RE-1	Valley RE-1	114	13	11.40%	11	6	5	189	34	18.00%	26	25	19
LOGAN COUNTY	Valley RE-1	Caliche Jr/Sr H S	17	1	5.90%	1	1	1	11	1	9.10%	1	1	1
LOGAN COUNTY		Darrell Smith H S	0	-	-	-	-	-	6	1	16.70%	1	1	1
LOGAN COUNTY		Sterling H S	97	12	12.40%	10	5	4	172	32	18.60%	24	23	17
	Vilas RE-5													
BACA COUNTY		Vilas RE-5	1	-	-	-	-	-	14	2	14.30%	1	0	1
	Walsh RE-1													
BACA COUNTY		Walsh RE-1	27	1	3.70%	1	0	0	22	2	9.10%	2	1	0
	Weld County RE-8													
WELD COUNTY		Weld County RE-8 (Fort Lupton H S)	64	19	29.70%	14	9	10	82	44	53.70%	34	22	25
	Weldon Valley RE-20(J)													
MORGAN COUNTY		Weldon Valley RE-20(J)	20	4	20.00%	4	3	4	12	3	25.00%	1	2	2
	West End RE-2													
MONTROSE COUNTY		West End RE-2 (Nucla H S)	20	2	10.00%	2	0	1	14	2	14.30%	1	0	2
	West Grand 1-JT													
GRAND COUNTY		West Grand 1-JT	14	1	7.10%	1	0	0	17	2	11.80%	1	0	2
	West Yuna County RJ-1													
YUMA COUNTY	West Yuna County RJ-1	West Yuna County RJ-1	63	6	9.50%	5	1	1	85	2	2.40%	2	2	2
YUMA COUNTY	West Yuna County RJ-1	Liberty Jr/Sr H S	12	3	25.00%	2	0	1	13	0	0.00%	0	0	0
YUMA COUNTY		Yuma H S	51	3	5.90%	3	1	0	72	2	2.80%	2	2	2
	Westminster 50													
ADAMS COUNTY	Westminster 50	Westminster 50	260	104	40.00%	69	68	42	272	144	52.90%	129	65	64
ADAMS COUNTY	Westminster 50	Alternative Center for Education	0	-	-	-	-	-	5	2	40.00%	2	2	1
ADAMS COUNTY	Westminster 50	Iver Ranum H S	144	57	39.60%	35	39	19	129	62	48.10%	57	26	28
ADAMS COUNTY		Westminster H S	116	47	40.50%	34	29	23	138	80	58.00%	70	37	35
	Widefield 3													
EL PASO COUNTY	Widefield 3	Widefield 3	224	78	34.80%	66	21	38	253	87	34.40%	76	34	43
EL PASO COUNTY	Widefield 3	Discovery H S	0	-	-	-	-	-	3	-	-	-	-	-
EL PASO COUNTY	Widefield 3	Mesa Ridge H S	107	38	35.50%	34	12	21	116	39	33.60%	33	13	16
EL PASO COUNTY		Widefield H S	117	40	34.20%	32	9	17	134	45	33.60%	40	20	25
	Wiggins RE-50(J)													
MORGAN COUNTY		Wiggins RE-50(J)	46	5	10.90%	4	3	4	25	6	24.00%	6	5	2
	Wiley RE-13 JT													
PROWERS		Wiley RE-13 JT	28	1	3.60%	1	0	0	23	2	8.70%	2	0	0



	Windsor RE-4													
WELD COUNTY		Windsor RE-4	98	34	34.70%	29	10	13	121	37	30.60%	30	19	23
	Woodland Park RE-2													
TELLER COUNTY		Woodland Park RE-2	113	25	22.10%	22	9	10	126	29	23.00%	28	10	8
	Woodlin R-104													
WASHINGTON COUNTY		Woodlin R-104	14	4	28.60%	4	0	1	12	4	33.30%	4	2	1
		STATEWIDE TOTALS	23,166	5,823	25.10%	n/a	n/a	n/a	28,203	7,507	26.60%	n/a	n/a	n/a

- Indicates school with fewer than five students enrolled in CO public higher education. Because results would be misleading, details of remediation not reported.

\*\* Completer - a student who graduates or receives some type of completion certificate other than the local board-defined high school diploma.

\*\*Recent high school graduate is defined as a degree- or non-degree-seeking first-time undergraduate reported with a graduation year equal to the academic year prior to the reporting year. When graduation year is missing, a student whose calculated age as of September 15 of the fiscal year is

17, 18, or 19 years. Totals for recent graduates here do not match those in other high school district tables due to deletion of high schools with small N size and non-public high schools.