



# Colorado Community College System

## ACADEMIC YEAR 2010-2011 REMEDIAL ENROLLMENT AND COURSE COMPLETION RATES

JULY 2011

## Remedial Course Enrollment

In the academic year 2010-2011, there were over 78,000 enrollments in remedial courses throughout the community college system. This is a 14.7% increase over 2009-2010 remedial enrollments. Remedial course offerings include courses in Reading, English, and Math below the 100 level, with 13 total courses available in 2010-2011. Of the total enrollments, more than 60% were in one of the seven math courses offered (Table 1), though English 090 was the course taken most frequently, accounting for 18.0% of enrollments. Community College of Denver had the largest percentage of remedial course enrollments, with 27.3% of the entire remedial population (Table 2).

Table 1. Remedial course enrollments throughout CCCS by course and term. Totals by subject are based on the sum of all remedial levels in each subject.

**Remedial Course Enrollments in Academic Year 2010-2011**

Course	Term			Total	Percentage of Total Remedial Enrollment
	Summer 2010	Fall 2010	Spring 2011		
ENG 030	145	538	441	1,124	1.4%
ENG 060	585	2,435	1,918	4,938	6.3%
ENG 090	1,790	6,613	5,632	14,035	18.0%
<b>All English</b>	<b>2,520</b>	<b>9,586</b>	<b>7,991</b>	<b>20,097</b>	<b>25.7%</b>
MAT 030	1,398	3,943	3,497	8,838	11.3%
MAT 060	1,653	4,871	4,574	11,098	14.2%
MAT 075	177	2,152	1,841	4,170	5.3%
MAT 076	0	30	64	94	0.1%
MAT 077	0	552	603	1,155	1.5%
MAT 090	1,860	5,360	5,709	12,929	16.6%
MAT 099	1,208	4,008	3,754	8,970	11.5%
<b>All Math</b>	<b>6,296</b>	<b>20,916</b>	<b>20,042</b>	<b>47,254</b>	<b>60.5%</b>
REA 030	80	560	350	990	1.3%
REA 060	325	1,689	1,341	3,355	4.3%
REA 090	775	2,972	2,624	6,371	8.2%
<b>All Reading</b>	<b>1,180</b>	<b>5,221</b>	<b>4,315</b>	<b>10,716</b>	<b>13.7%</b>
<b>Total</b>	<b>9,996</b>	<b>35,723</b>	<b>32,348</b>	<b>78,067</b>	<b>100.0%</b>

Table 2. Remedial course enrollments throughout CCCS by institution and subject. Totals by subject are based on the sum of all remedial levels in each subject.

**Remedial Course Enrollments in Academic Year 2010-2011**

Institution		English	Math	Reading	Total	% of Total CCCS Remedial Enrollment
ACC	Remedial Enrollments	1,527	3,230	880	5,637	7.2%
	% of School Remedial Enrollment	27.1%	57.3%	15.6%		
CCA	Remedial Enrollments	1,454	2,949	773	5,176	6.6%
	% of School Remedial Enrollment	28.1%	57.0%	14.9%		
CCD	Remedial Enrollments	5,492	12,147	3,665	21,304	27.3%
	% of School Remedial Enrollment	25.8%	57.0%	17.2%		
CNCC	Remedial Enrollments	179	369	74	622	0.8%
	% of School Remedial Enrollment	28.8%	59.3%	11.9%		
FRCC	Remedial Enrollments	3,313	9,115	1,145	13,573	17.4%
	% of School Remedial Enrollment	24.4%	67.2%	8.4%		
LCC	Remedial Enrollments	117	275	43	435	0.6%
	% of School Remedial Enrollment	26.9%	63.2%	9.9%		
MCC	Remedial Enrollments	169	472	103	744	1.0%
	% of School Remedial Enrollment	22.7%	63.4%	13.8%		
NJC	Remedial Enrollments	382	771	248	1,401	1.8%
	% of School Remedial Enrollment	27.3%	55.0%	17.7%		
OJC	Remedial Enrollments	311	629	192	1,132	1.5%
	% of School Remedial Enrollment	27.5%	55.6%	17.0%		
PCC	Remedial Enrollments	1,984	3,997	1,233	7,214	9.2%
	% of School Remedial Enrollment	27.5%	55.4%	17.1%		
PPCC	Remedial Enrollments	3,544	8,890	1,627	14,061	18.0%
	% of School Remedial Enrollment	25.2%	63.2%	11.6%		
RRCC	Remedial Enrollments	1,346	3,675	544	5,565	7.1%
	% of School Remedial Enrollment	24.2%	66.0%	9.8%		
TSJC	Remedial Enrollments	279	735	189	1,203	1.5%
	% of School Remedial Enrollment	23.2%	61.1%	15.7%		
CCCS	Remedial Enrollments	20,097	47,254	10,716	78,067	100.0%
	% of School Remedial Enrollment	25.7%	60.5%	13.7%		

Over the past five academic years, remedial course enrollments have increased by nearly 89%, with math being the fastest growing subject (Table 3.) A significant portion of this increase is due to the introduction of MAT 099. Without these enrollments, however, there has still been a 67% increase in remedial enrollment from 2007 to 2011. MAT 075, 076 and 077, which are combined sections of other remedial levels, have also been introduced within the past year, and will continue to have significant impact on enrollment in future years.

Table 3. Remedial course enrollments for all CCCS institutions by course and academic year. Totals by subject are based on the sum of all remedial levels in each subject.

**5 Year Remedial Course Enrollment Comparison**

Course	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
ENG 030	708	571	693	881	1124
ENG 060	2,889	2,809	3,077	4,076	4,938
ENG 090	8,509	9,139	9,781	12,266	14,035
All English	12,106	12,519	13,551	17,223	20,097
MAT 030	6,681	6,765	7,636	10,215	8,838
MAT 060	7,756	8,102	9,039	11,761	11,098
MAT 075	n/a	n/a	n/a	22	4,170
MAT 076	n/a	n/a	n/a	n/a	94
MAT 077	n/a	n/a	n/a	n/a	1,155
MAT 090	8,543	8,339	8,849	10,919	12,929
MAT 099	n/a	n/a	638	9,033	8,970
All Math	22,980	23,206	26,162	41,950	47,254
REA 030	531	583	663	841	990
REA 060	2,112	2,127	2,547	2,917	3,355
REA 090	3,617	3,547	4,126	5,136	6,371
All Reading	6,260	6,257	7,336	8,894	10,716
Total	41,346	41,982	47,049	68,067	78,067



Remedial enrollments now make up 12.5% of all enrollments, up from 9.6% in academic year 2006-2007 (Table 4). Overall course enrollments have increased 45% during this time period (this includes all students at all Colleges in all subjects).

Table 4. Percent of enrollments in remedial courses out of all student enrollments.

**Percent of Enrollments in Remedial Courses**

<b>Institution</b>	<b>2006-2007</b>	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>
<b>ACC</b>	6.0%	6.3%	7.2%	8.6%	9.3%
<b>CCA</b>	12.2%	11.6%	10.8%	11.2%	11.4%
<b>CCD</b>	17.8%	18.1%	19.1%	22.8%	24.7%
<b>CNCC</b>	4.9%	4.6%	5.5%	7.0%	6.4%
<b>FRCC</b>	8.4%	8.4%	8.2%	10.3%	10.3%
<b>LCC</b>	4.6%	6.0%	4.8%	7.1%	5.7%
<b>MCC</b>	4.0%	4.3%	4.7%	6.5%	6.6%
<b>NJC</b>	4.8%	5.4%	5.8%	7.5%	8.4%
<b>OJC</b>	8.0%	7.8%	7.3%	7.1%	9.3%
<b>PCC</b>	13.0%	12.9%	14.0%	15.0%	12.1%
<b>PPCC</b>	10.9%	11.1%	11.8%	13.5%	13.7%
<b>RRCC</b>	5.6%	5.5%	6.3%	7.4%	8.6%
<b>TSJC</b>	5.8%	5.6%	6.3%	7.7%	7.4%
<b>CCCS</b>	<b>9.6%</b>	<b>9.6%</b>	<b>10.1%</b>	<b>12.1%</b>	<b>12.5%</b>

Of the 78,067 remedial course enrollments, there were 41,212 individual students enrolled in one or more remedial courses over the academic year (Table 5). This equates to 28.5% of the overall headcount for academic year 2010-2011. Nearly half of these students enrolled in only one remedial course, but 9.4% of remedial students were enrolled in four or more remedial courses during the academic year.

Table 5. Total number of unduplicated students enrolled in remedial courses in academic year 2010-2011. Percent of total student headcount is based on the academic year 2010-2011 headcount of 144,783.

**Total Number of Students Enrolled in Remedial Courses**

		<b>1 course</b>	<b>2 courses</b>	<b>3 courses</b>	<b>4+ courses</b>	<b>Total</b>
Total	# of Students	19,941	12,030	5,391	3,880	41,242
	% of Remedial Students	48.4%	29.2%	13.1%	9.4%	
	% of Total Student Headcount	13.8%	8.3%	3.7%	2.7%	28.5%

From academic year 2006-2007 to academic year 2010-2011 headcount has increased by 34.9%, while the number of students taking a remedial course has more than doubled, with an increase of 102.7%. Overall, 28.5% of students are now enrolled in at least one remedial course (Table 6).

Table 6. Individual students enrolled in remedial courses compared to the overall academic year headcount.

**5 Year Remedial Headcount vs. Overall Headcount**

	<b>2006- 2007</b>	<b>2007- 2008</b>	<b>2008- 2009</b>	<b>2009- 2010</b>	<b>2010- 2011</b>
Students in Remedial Courses	20,344	22,494	24,893	35,948	41,242
Overall Headcount	107,348	107,028	117,245	134,753	144,783
% in Remedial	19.0%	21.0%	21.2%	26.7%	28.5%

## Course Completion Rates

Of all remedial course enrollments, 59.2% ended in successful end of term completion (Table 7). Course completion is defined as receiving an A, B, C or Satisfactory at end of term. Courses held in the summer term had higher completion rates at 62.4% than those enrolled in fall and spring semester with 59.9% and 57.5%, respectively. Overall, Reading courses had the highest completion rates (62.8%, compared to 61.5% for English and 57.4% for Math.)

Table 7. Remedial course completion rates for all CCCS institutions by course and term. Totals by subject are based on the sum of all remedial levels in each subject.

**Academic Year 2010-2011**  
**Remedial Course Completion Rates by Course and Term**

Course	Term			Total
	Summer 2010	Fall 2010	Spring 2011	
ENG 030	60.0%	56.9%	54.9%	56.5%
ENG 060	62.6%	63.9%	58.4%	61.6%
ENG 090	66.7%	62.9%	59.3%	61.9%
All English	65.4%	62.8%	58.8%	61.5%
MAT 030	57.8%	55.8%	53.9%	55.4%
MAT 060	66.4%	62.1%	63.2%	63.2%
MAT 075	73.4%	58.3%	50.3%	55.4%
MAT 076	n/a	60.0%	62.5%	61.7%
MAT 077	n/a	47.6%	51.7%	49.8%
MAT 090	60.0%	56.8%	56.5%	57.1%
MAT 099	57.5%	54.8%	53.8%	54.8%
All Math	61.1%	57.4%	56.4%	57.4%
REA 030	42.5%	60.4%	54.9%	57.0%
REA 060	69.8%	70.6%	62.2%	67.2%
REA 090	62.3%	62.5%	60.1%	61.5%
All Reading	63.1%	64.9%	60.3%	62.8%
<b>Total</b>	<b>62.4%</b>	<b>59.9%</b>	<b>57.5%</b>	<b>59.2%</b>

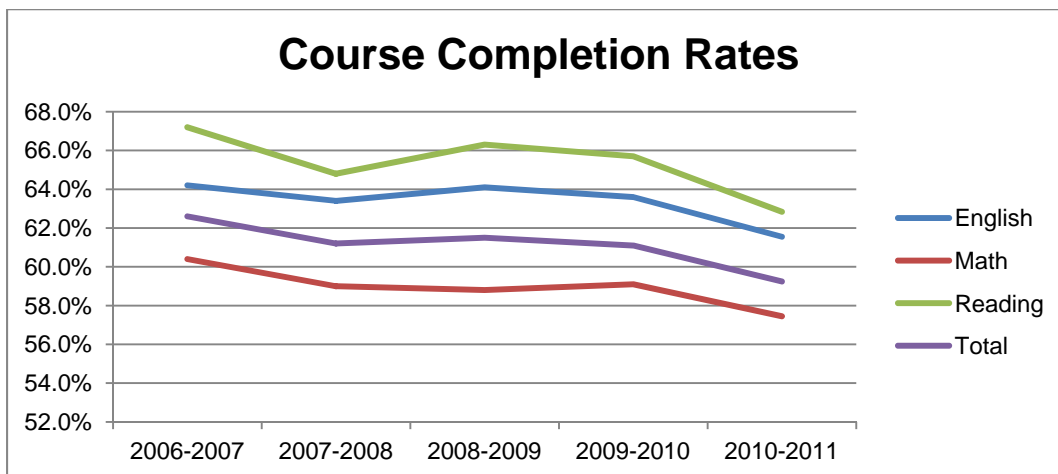
Course completion rates have slightly decreased for all subjects (Table 8) since academic year 2006-2007.

Table 8. Remedial course completion rates for all CCCS institutions by course and academic year.

**5 Year Course Completion Rate Comparison**

Course	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
ENG 030	67.1%	65.7%	65.1%	64.2%	56.5%
ENG 060	66.2%	66.1%	67.0%	64.0%	61.6%
ENG 090	63.3%	62.5%	63.1%	63.3%	61.9%
All English	64.2%	63.4%	64.1%	63.6%	61.5%
MAT 030	60.1%	59.2%	59.2%	60.7%	55.4%
MAT 060	65.4%	63.2%	63.3%	63.3%	63.2%
MAT 075	n/a	n/a	n/a	77.3%	55.4%
MAT 076	n/a	n/a	n/a	n/a	61.7%
MAT 077	n/a	n/a	n/a	n/a	49.8%
MAT 090	56.1%	54.7%	54.8%	57.6%	57.1%
MAT 099	n/a	n/a	48.4%	53.6%	54.8%
All Math	60.4%	59.0%	58.8%	59.1%	57.4%
REA 030	66.1%	61.4%	67.9%	65.9%	57.0%
REA 060	67.6%	67.1%	67.6%	67.7%	67.2%
REA 090	67.1%	64.0%	65.3%	64.6%	61.5%
All Reading	67.2%	64.8%	66.3%	65.7%	62.8%
Total	62.6%	61.2%	61.5%	61.1%	59.2%

Figure 1. Remedial course completion rates for all CCCS institutions by course and academic year.







Morgan Community College has the highest overall course completion rate, with 76% (Table 9).

Table 9. Remedial course completion rates for all CCCS institutions by institution and subject for academic year 2010-2011. Totals by subject are based on the sum of all remedial levels in each subject.

**Academic Year 2010-2011  
Remedial Course Completion Rates by Institution and Subject**

Institution	English	Math	Reading	Total
ACC	64.4%	66.2%	68.3%	66.0%
CCA	62.4%	58.6%	56.0%	59.3%
CCD	57.4%	51.5%	65.1%	55.4%
CNCC	67.0%	65.3%	89.2%	68.6%
FRCC	64.7%	62.2%	66.1%	63.2%
LCC	55.6%	56.7%	76.7%	58.4%
MCC	69.8%	79.4%	70.9%	76.1%
NJC	74.6%	57.6%	70.2%	64.5%
OJC	63.0%	67.6%	59.4%	64.9%
PCC	58.2%	58.1%	58.4%	58.2%
PPCC	61.0%	53.3%	54.1%	55.3%
RRCC	65.5%	60.8%	65.8%	62.4%
TSJC	71.0%	58.2%	73.5%	63.6%
CCCS	61.5%	57.4%	62.8%	59.2%

For unsuccessful course completions, it appears that students are withdrawing at a comparable rate across courses and subjects with the exception of MAT 076, 077, 090 and 099 (Table 10). As seen nationally, math courses in general have the lowest pass rates. These lower passing rates can be attributed to greater rates of failures, withdrawals and incompletes, all of which are higher than those for English and Reading. The entry level remedial courses also tend to have higher rates of failure.

Table 10. End of term completion status by course for academic year 2010-2011. Totals by subject are based on the sum of all remedial levels in each subject.

**Remedial Course End of Term Completion Status**

Course	Status				
	Pass	Fail	Withdraw	Incomplete	Missing
ENG 030	56.5%	32.4%	10.4%	0.7%	0.0%
ENG 060	61.6%	25.9%	11.5%	1.0%	0.1%
ENG 090	61.9%	26.0%	10.9%	1.0%	0.2%
All English	61.5%	26.3%	11.0%	1.0%	0.2%
MAT 030	55.4%	31.4%	9.1%	4.1%	0.1%
MAT 060	63.2%	24.5%	9.7%	2.6%	0.0%
MAT 075	55.4%	31.7%	12.7%	0.3%	0.0%
MAT 076	61.7%	16.0%	22.3%	0.0%	0.0%
MAT 077	49.8%	29.6%	20.5%	0.1%	0.0%
MAT 090	57.1%	25.3%	14.8%	2.7%	0.0%
MAT 099	54.8%	25.2%	15.8%	4.1%	0.1%
All Math	57.4%	26.9%	12.7%	2.9%	0.1%
REA 030	57.0%	30.4%	9.5%	3.1%	0.0%
REA 060	67.2%	22.4%	9.5%	1.0%	0.0%
REA 090	61.5%	26.6%	11.1%	0.8%	0.1%
All Reading	62.8%	25.6%	10.4%	1.1%	0.0%
<b>Total</b>	<b>59.2%</b>	<b>26.6%</b>	<b>11.9%</b>	<b>2.2%</b>	<b>0.1%</b>

Overall, rural colleges have slightly higher course completion rates (Table 11). This gap has narrowed in recent years.

Table 11. Remedial course completion rates by subject for rural and urban colleges. Totals by subject are based on the sum of all remedial levels in each subject. Urban colleges include ACC, CCA, CCD, FRCC, PCC, PPCC, and RRCC. Rural colleges include CNCC, LCC, MCC, NJC, OJC and TSJC.

**Remedial Course Completion Rates by College Location**

	Urban	Rural
English	61.0%	61.5%
Math	57.0%	57.4%
Reading	62.2%	62.8%
<b>Total</b>	<b>58.7%</b>	<b>59.2%</b>

There is also a slightly higher completion rate in schools that do not have Hispanic Serving Institution status (Table 12).

Table 12. Remedial course completion rates by subject for Hispanic Serving Institutions (HSIs) and non-HSIs. Totals by subject are based on the sum of all remedial levels in each subject. HSIs include CCD, OJC, PCC and TSJC.

**Remedial Course Completion Rates by Hispanic Serving Institution (HSI) Status**

	HSI	Non HSI
English	58.3%	61.5%
Math	53.8%	57.4%
Reading	63.6%	62.8%
<b>Total</b>	<b>56.7%</b>	<b>59.2%</b>

## Remedial Student Success

In academic year 2010-2011, 28,096 individual students successfully completed at least one remedial course, or 68.1% of students enrolled in remedial courses (Table 13).

Table 13. Count of students that successfully completed at least one remedial course compared to the overall number of students enrolled in remedial courses, by institution, for the academic year 2010-2011.

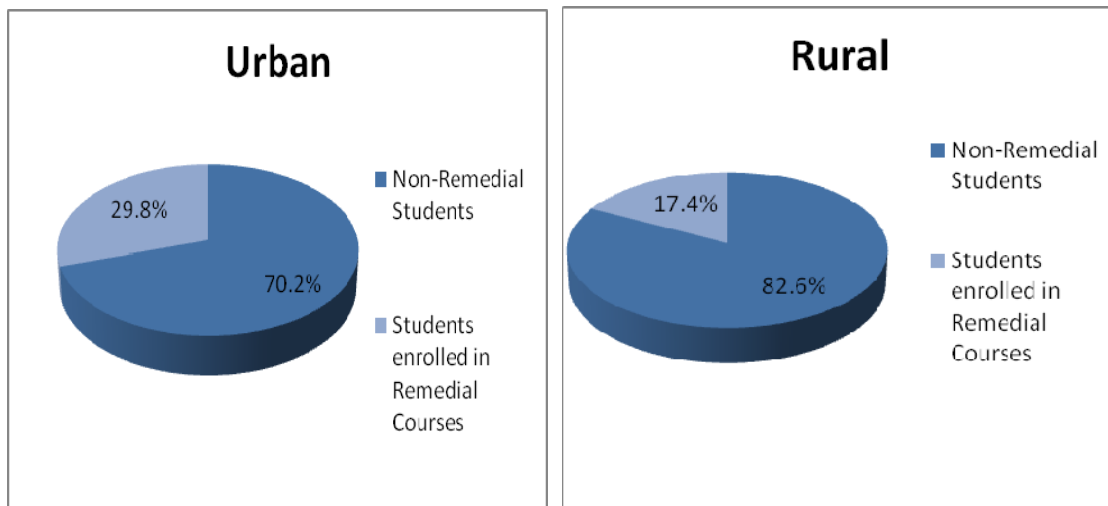
**Students Successfully Completing a Remedial Course**

Institution	Students Completing a Remedial Course	Students Enrolled in a Remedial Course	Percentage
ACC	2266	3066	73.9%
CCA	2010	2921	68.8%
CCD	6647	10337	64.3%
CNCC	258	326	79.1%
FRCC	5493	7768	70.7%
LCC	153	238	64.3%
MCC	297	354	83.9%
NJC	417	573	72.8%
OJC	382	548	69.7%
PCC	2420	3543	68.3%
PPCC	5112	7840	65.2%
RRCC	2200	3095	71.1%
TSJC	441	633	69.7%
<b>CCCS</b>	<b>28096</b>	<b>41242</b>	<b>68.1%</b>

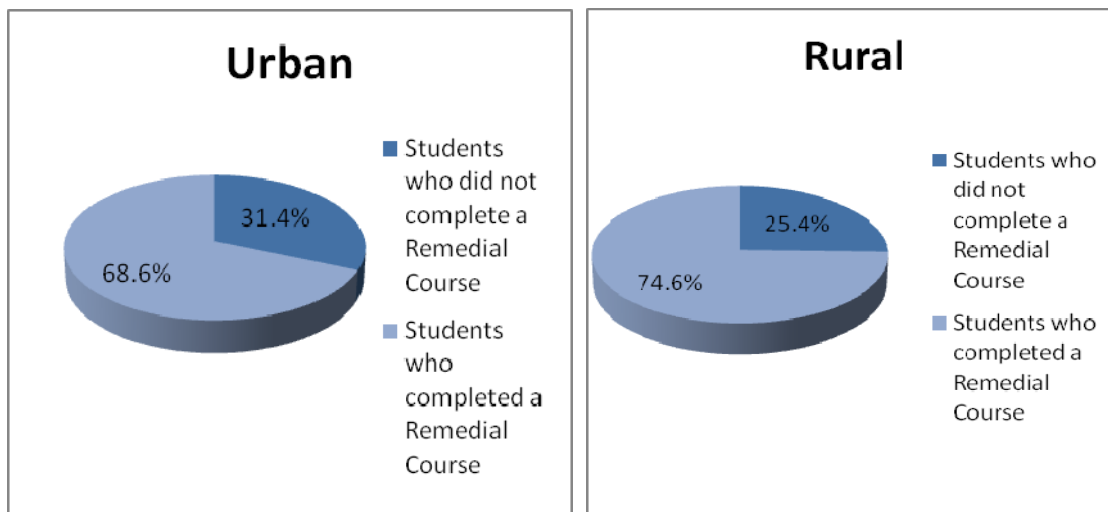
The following figures compare urban and rural remedial enrollment and completion success. A greater percentage of the students at urban institutions are enrolled in remedial courses than at rural (Figure 2). A greater percentage of students at rural institutions successfully complete their remedial coursework.

Figure 2. Overall headcount by remedial and non-remedial enrollment, and unduplicated remedial enrollment by completion and non completion status by rural and urban college.

### Remedial vs. Non-Remedial Enrollment



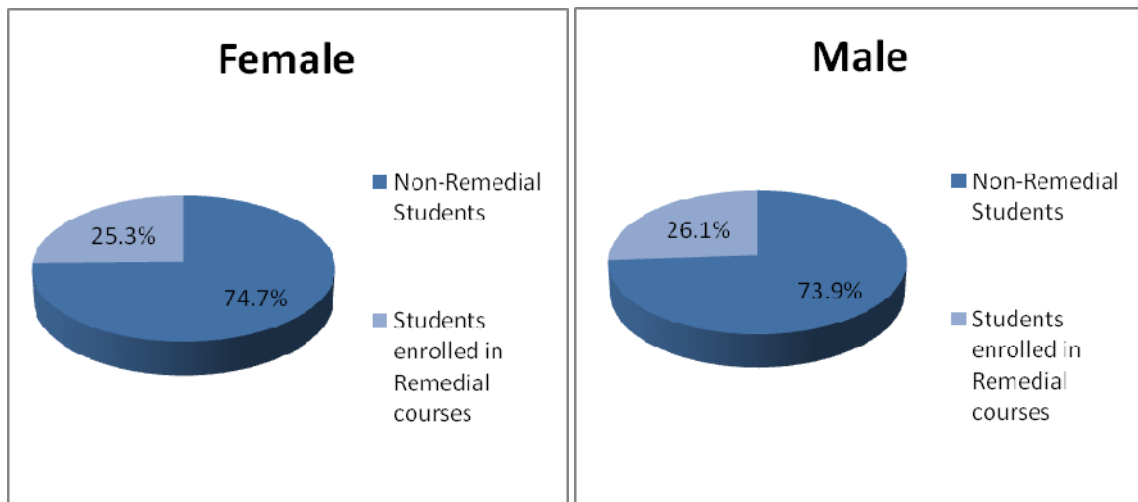
### Successful vs. Unsuccessful Remedial Completion



Similar proportions of male and female students are enrolled in remedial courses as the proportion of the overall gender population (Table 14). A greater percentage of female students than male students successfully complete their remedial coursework (Figure 3).

Figure 3. Overall headcount by remedial and non-remedial enrollment, and unduplicated remedial enrollment by completion and non completion status by gender.

### Remedial vs. Non-Remedial Enrollment



### Successful vs. Unsuccessful Remedial Completion

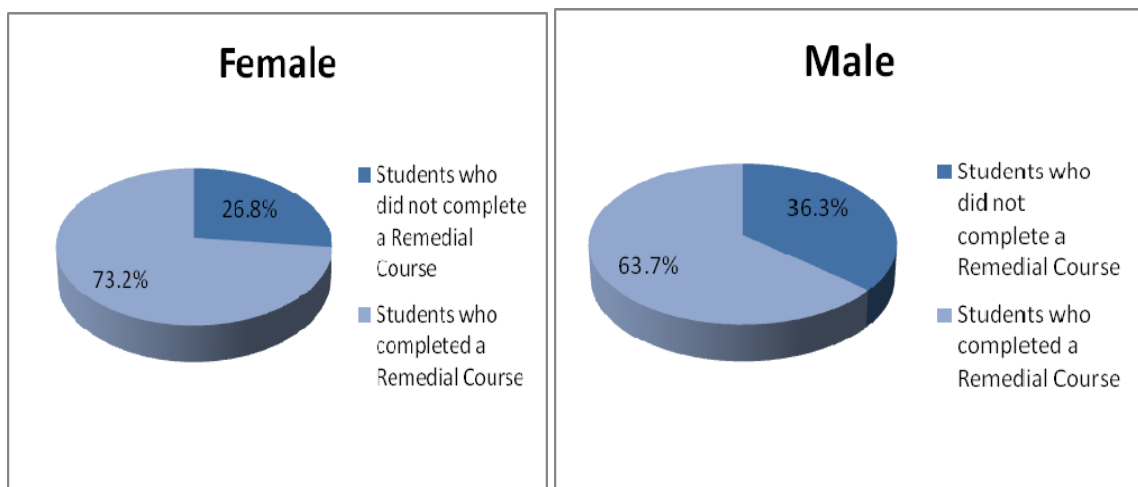


Table 14. Academic year 2010-2011 remedial students and overall headcount by gender, by institution.

**Remedial Students vs. Overall Headcount by Gender Percentage\***

Institution	Remedial Students 2010-2011		Overall 2010-11 Headcount	
	Female	Male	Female	Male
ACC	57.0%	43.0%	59.9%	40.1%
CCA	63.5%	36.6%	58.1%	41.9%
CCD	53.8%	46.2%	57.0%	43.0%
CNCC	59.7%	40.3%	54.9%	45.1%
FRCC	56.8%	43.2%	57.5%	42.5%
LCC	55.3%	44.7%	59.3%	40.7%
MCC	77.4%	22.6%	66.2%	33.8%
NJC	48.6%	51.4%	60.1%	39.9%
OJC	49.8%	50.2%	57.6%	42.4%
PCC	56.1%	43.9%	48.4%	51.6%
PPCC	57.8%	42.2%	57.5%	42.5%
RRCC	54.2%	45.8%	49.8%	50.2%
TSJC	59.7%	40.3%	56.5%	43.5%
CCCS	56.4%	43.6%	56.3%	43.7%

\*Excluding students with unreported gender

Table 15. Academic year 2010-2011 course completion rates for all remedial courses by gender.

**Remedial Course Completion Rates by Gender**

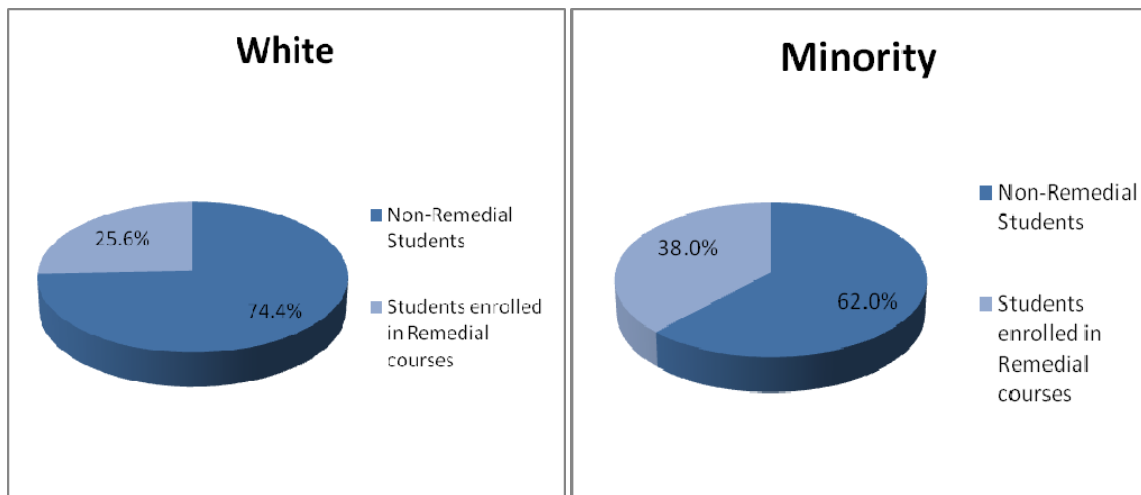
<b>College</b>	<b>Male</b>	<b>Female</b>	<b>Difference Male minus Female</b>
<b>ACC</b>	58.7%	71.5%	-12.8%
<b>CCA</b>	54.5%	62.1%	-7.6%
<b>CCD</b>	51.0%	59.1%	-8.2%
<b>CNCC</b>	59.6%	74.7%	-15.1%
<b>FRCC</b>	58.0%	67.1%	-9.0%
<b>LCC</b>	52.1%	63.8%	-11.7%
<b>MCC</b>	73.1%	77.0%	-3.9%
<b>NJC</b>	59.3%	70.0%	-10.8%
<b>OJC</b>	63.0%	67.0%	-3.9%
<b>PCC</b>	53.2%	62.0%	-8.8%
<b>PPCC</b>	51.1%	58.4%	-7.3%
<b>RRCC</b>	58.1%	66.1%	-8.0%
<b>TSJC</b>	58.8%	66.9%	-8.1%
<b>Total</b>	<b>54.4%</b>	<b>63.0%</b>	<b>-8.7%</b>



Consistent with national data, greater percentages of minority students are enrolled in remedial courses than white students (Figure 4). Over 40% of the students enrolled in remedial courses are minorities (Table 16). In addition, white students complete their remedial courses at a higher rate than minority students.

Figure 4. Overall headcount by remedial and non-remedial enrollment, and unduplicated remedial enrollment by completion and non completion status by ethnicity. Minority students include Black Non-Hispanic, Hispanic, Asian / Pacific Islander, and American Indian / Alaska Native.

### Remedial vs. Non-Remedial Enrollment



### Successful vs. Unsuccessful Remedial Completion

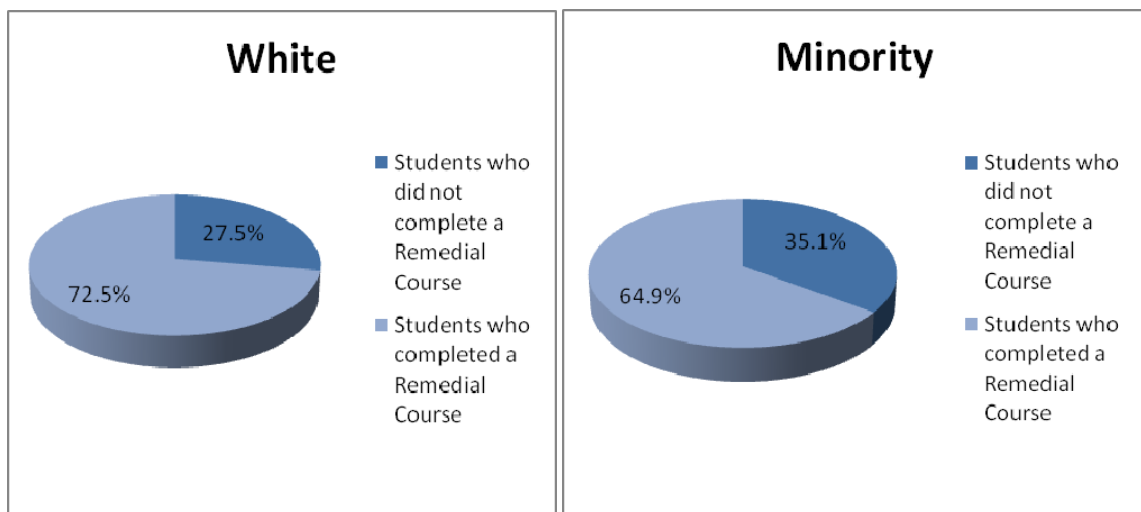


Table 16. Academic year 2010-2011 remedial students and overall headcount by ethnicity, by institution.

**Remedial Students vs. Overall Headcount by Ethnicity Percentage\***

Institution	Remedial Students 2010-2011		Overall 2010-11 Headcount	
	White	Minority	White	Minority
ACC	71.4%	28.6%	77.6%	21.5%
CCA	34.5%	65.5%	44.7%	53.8%
CCD	38.1%	61.9%	41.4%	54.2%
CNCC	78.6%	21.4%	83.3%	16.1%
FRCC	72.1%	27.9%	77.2%	21.3%
LCC	49.8%	50.2%	69.5%	28.1%
MCC	65.5%	34.5%	79.7%	19.2%
NJC	66.2%	33.8%	83.5%	15.8%
OJC	49.0%	51.0%	57.3%	40.6%
PCC	53.0%	47.0%	56.2%	43.1%
PPCC	62.1%	37.9%	68.5%	31.0%
RRCC	72.1%	27.9%	76.5%	22.1%
TSJC	38.7%	61.3%	49.1%	50.1%
<b>CCCS</b>	<b>56.4%</b>	<b>43.6%</b>	<b>65.8%</b>	<b>32.7%</b>

\*Excluding students with unreported ethnicity



Table 17. Academic year 2010-2011 course completion rates for all remedial courses by minority status. Minority students include Black Non-Hispanic, Hispanic, Asian / Pacific Islander, and American Indian / Alaska Native.

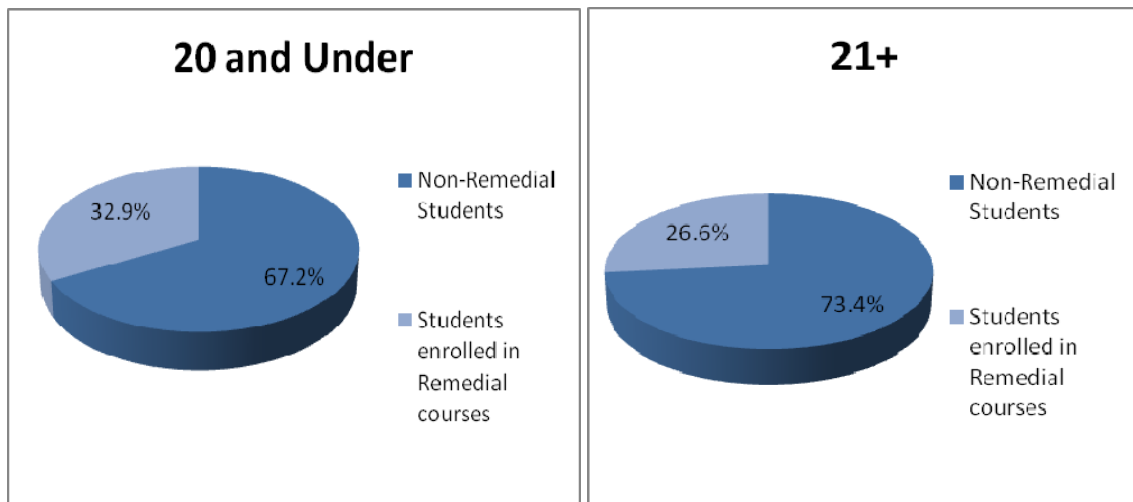
### Remedial Course Completion Rates by Ethnicity

College	Minority	Non-Minority	Difference Minority minus Non-Minority
ACC	61.0%	68.1%	-7.1%
CCA	56.8%	63.8%	-7.0%
CCD	52.4%	60.2%	-7.9%
CNCC	63.7%	69.4%	-5.7%
FRCC	60.7%	64.2%	-3.5%
LCC	55.9%	61.2%	-5.3%
MCC	80.9%	73.8%	7.0%
NJC	60.8%	65.6%	-4.8%
OJC	68.2%	62.7%	5.5%
PCC	52.9%	62.3%	-9.4%
PPCC	48.9%	59.0%	-10.1%
RRCC	57.5%	64.6%	-7.1%
TSJC	64.2%	61.8%	2.5%
<b>Total</b>	<b>54.8%</b>	<b>62.8%</b>	<b>-8.0%</b>

The percentage of students in remedial courses by age closely reflect the overall student age populations. As age increases, students are more likely to successfully complete at least one remedial course.

Figure 5. Overall headcount by remedial and non-remedial enrollment, and unduplicated remedial enrollment by completion and non completion status by age category.

### Remedial vs. Non-Remedial Enrollment



### Successful vs. Unsuccessful Remedial Completion

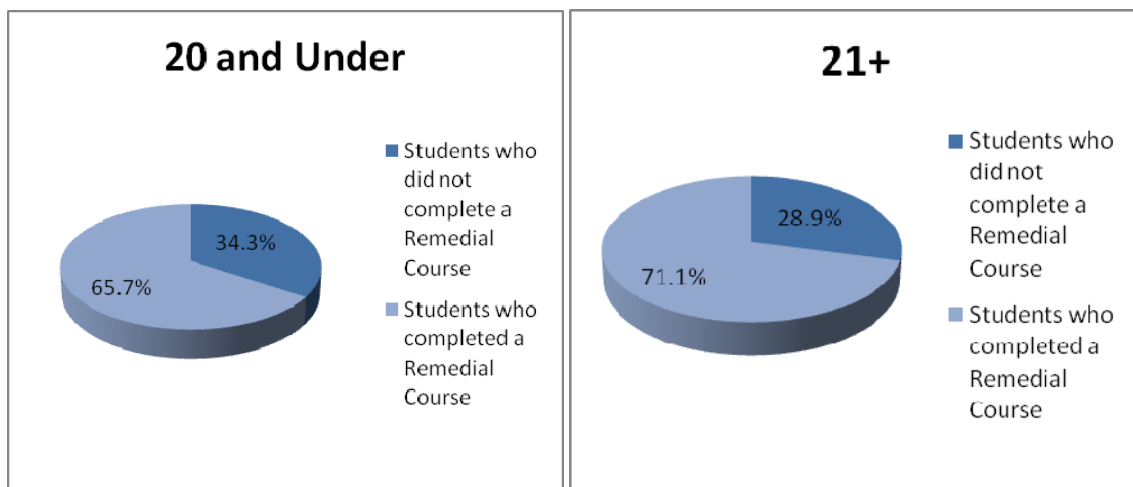


Table 18. Academic year 2010-2011 remedial students and overall headcount by age group, by institution.

**Remedial Students vs. Overall Headcount by Age Group Percentage**

Institution	Remedial Students 2010-2011		Overall 2010-11 Headcount	
	20 and under	21+	20 and under	21+
ACC	35.1%	64.9%	28.5%	71.5%
CCA	35.2%	64.8%	36.2%	63.8%
CCD	34.8%	65.3%	31.2%	68.8%
CNCC	60.5%	39.5%	37.5%	62.5%
FRCC	37.0%	63.1%	32.4%	67.6%
LCC	55.2%	44.8%	54.0%	46.0%
MCC	30.8%	69.2%	41.4%	58.6%
NJC	73.0%	27.0%	41.8%	58.2%
OJC	52.7%	47.3%	51.5%	48.5%
PCC	29.9%	70.1%	25.9%	74.0%
PPCC	30.7%	69.3%	31.2%	68.8%
RRCC	33.4%	66.6%	30.2%	69.8%
TSJC	43.1%	56.9%	37.8%	62.2%
<b>CCCS</b>	<b>35.1%</b>	<b>64.9%</b>	<b>32.2%</b>	<b>67.8%</b>

Table 19. Academic year 2010-2011 course completion rates for all remedial courses by age group.

**Remedial Course Completion Rates by Age Group**

<b>College</b>	<b>20 and under</b>	<b>21+</b>	<b>Difference 20 and under minus 21+</b>
<b>ACC</b>	61.3%	68.9%	-7.7%
<b>CCA</b>	58.0%	60.1%	-2.0%
<b>CCD</b>	55.7%	55.1%	0.6%
<b>CNCC</b>	67.6%	70.6%	-3.0%
<b>FRCC</b>	57.0%	67.0%	-10.0%
<b>LCC</b>	60.7%	55.8%	4.9%
<b>MCC</b>	75.5%	76.3%	-0.8%
<b>NJC</b>	63.4%	68.5%	-5.1%
<b>OJC</b>	66.9%	62.3%	4.6%
<b>PCC</b>	57.2%	58.6%	-1.4%
<b>PPCC</b>	50.1%	57.7%	-7.6%
<b>RRCC</b>	57.9%	64.9%	-7.1%
<b>TSJC</b>	63.8%	63.4%	0.5%
<b>Total</b>	<b>57.0%</b>	<b>60.6%</b>	<b>-3.6%</b>

Developmental coursework is offered via both online and traditional instructional methods. Some colleges also offer hybrid or other special sections. System-wide, 14.5% of remedial enrollments are in online courses (Table 20).

Table 20. Academic year 2010-2011 course enrollments for all remedial courses by instruction method.

**Remedial Course Enrollment by Instruction Method**

College	Online	Traditional	Other
ACC	23.4%	74.4%	2.2%
CCA	19.9%	80.1%	0.0%
CCD	6.1%	93.0%	0.9%
CNCC	9.5%	65.4%	25.1%
FRCC	17.0%	82.3%	0.8%
LCC	12.1%	87.0%	0.9%
MCC	17.7%	81.0%	1.3%
NJC	5.9%	94.2%	0.0%
OJC	8.0%	68.6%	23.5%
PCC	10.0%	58.1%	32.2%
PPCC	19.8%	77.0 %	3.2%
RRCC	22.7%	75.3%	2.0%
TSJC	11.6%	80.7%	7.7%
<b>Total</b>	<b>14.5%</b>	<b>81.3%</b>	<b>4.2%</b>

Overall, the completion rate for courses utilizing a traditional instructional method is much greater than those offered online (61% vs. 50.42%). At some colleges, this difference is as much as 56 percentage points (Table 21). Colorado Northwestern Community College is the only college where online students complete at a higher rate than traditional students.

Table 21. Academic year 2010-2011 course completion rates for all remedial courses by instruction method.

**Remedial Course Completion Rates by Instruction Method**

College	Online	Traditional	Difference Online minus Traditional
ACC	60.9%	68.5%	-7.6%
CCA	49.0%	62.0%	-13.0%
CCD	38.5%	56.4%	-17.9%
CNCC	67.8%	62.4%	5.4%
FRCC	53.1%	65.2%	-12.0%
LCC	26.9%	62.6%	-35.6%
MCC	59.1%	80.1%	-21.0%
NJC	51.2%	65.3%	-14.1%
OJC	16.7%	72.9%	-56.3%
PCC	42.9%	62.0%	-19.1%
PPCC	49.2%	57.2%	-8.0%
RRCC	57.2%	64.1%	-6.9%
TSJC	44.3%	66.1%	-21.8%
<b>Total</b>	<b>50.4%</b>	<b>61.0%</b>	<b>-10.6%</b>





## **Sources:**

All course completion rates were compiled from frozen end of term course files for the academic year 2010-2011, as of July 1, 2011. All course enrollments with a final grade of AU, or audit, were removed before rates were calculated.

Course completion rates for AY 2007 and 2008 are available in the Remedial Course Completions Report for 2007 & 2008, available on the web at <http://www.cccs.edu/Docs/Research/Remedial%20Completion%20Status%20Report.pdf>.

Course completion rates for AY 2009 are available in the Remedial Enrollment and Course Completion Rates for AY 2009, available on the web at <http://www.cccs.edu/Docs/Research/AY2009RemedialReport.pdf>.

Course completion rates for AY 2010 are available in the Remedial Enrollment and Course Completion Rates for AY 2010, available on the web at <http://www.cccs.edu/Docs/Research/AY2010RemedialEnrollmentandCompletion.pdf>

Overall headcount is published in the annual Fact Book, and is based on SURDS enrollment files. Students enrolled in more than one institution within CCCS may be counted twice.