



COLORADO COMMUNITY
COLLEGE SYSTEM

Colorado Community College System

ACADEMIC YEAR 2009-2010 REMEDIAL ENROLLMENT AND COURSE COMPLETION RATES

OCTOBER 2010

Remedial Course Enrollment

In the academic year 2009-2010, there were over 68,000 enrollments in remedial courses throughout the community college system. Remedial course offerings include courses in Reading, English, and Math below the 100 level, with 11 total courses available in 2009-2010. Of the total enrollment, more than 60% were in one of the five 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 24.3% 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 2009-2010

| Course | Term | | | Total | Percent of Total Remedial Enrollment |
|--------------------|--------------|---------------|---------------|---------------|--------------------------------------|
| | Summer 2009 | Fall 2009 | Spring 2010 | | |
| ENG 030 | 79 | 473 | 329 | 881 | 1.3% |
| ENG 060 | 387 | 2,030 | 1,659 | 4,076 | 6.0% |
| ENG 090 | 1,394 | 5,678 | 5,194 | 12,266 | 18.0% |
| All English | 1,860 | 8,181 | 7,182 | 17,223 | 25.3% |
| MAT 030 | 1,129 | 4,936 | 4,150 | 10,215 | 15.0% |
| MAT 060 | 1,277 | 5,091 | 5,393 | 11,761 | 17.3% |
| MAT 075 | 0 | 0 | 22 | 22 | 0.0% |
| MAT 090 | 1,240 | 4,730 | 4,949 | 10,919 | 16.0% |
| MAT 099 | 998 | 4,110 | 3,925 | 9,033 | 13.3% |
| All Math | 4,644 | 18,867 | 18,439 | 41,950 | 61.6% |
| REA 030 | 46 | 489 | 306 | 841 | 1.2% |
| REA 060 | 295 | 1,436 | 1,186 | 2,917 | 4.3% |
| REA 090 | 563 | 2,411 | 2,162 | 5,136 | 7.5% |
| All Reading | 904 | 4,336 | 3,654 | 8,894 | 13.1% |
| Total | 7,408 | 31,384 | 29,275 | 68,067 | |



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 2009-2010

| Institution | | English | Math | Reading | Total | % of Total CCCS Remedial Enrollment |
|-------------|---------------------------------|---------|--------|---------|--------|-------------------------------------|
| ACC | Remedial Enrollments | 1,246 | 2,774 | 682 | 4,702 | 6.9% |
| | % of School Remedial Enrollment | 26.5% | 59.0% | 14.5% | | |
| CCA | Remedial Enrollments | 1,324 | 2,551 | 679 | 4,554 | 6.7% |
| | % of School Remedial Enrollment | 29.1% | 56.0% | 14.9% | | |
| CCD | Remedial Enrollments | 4,116 | 9,761 | 2,689 | 16,566 | 24.3% |
| | % of School Remedial Enrollment | 24.8% | 58.9% | 16.2% | | |
| CNCC | Remedial Enrollments | 213 | 377 | 78 | 668 | 1.0% |
| | % of School Remedial Enrollment | 31.9% | 56.4% | 11.7% | | |
| FRCC | Remedial Enrollments | 3,091 | 8,271 | 1,057 | 12,419 | 18.2% |
| | % of School Remedial Enrollment | 24.9% | 66.6% | 8.5% | | |
| LCC | Remedial Enrollments | 144 | 341 | 67 | 552 | 0.8% |
| | % of School Remedial Enrollment | 26.1% | 61.8% | 12.1% | | |
| MCC | Remedial Enrollments | 139 | 473 | 82 | 694 | 1.0% |
| | % of School Remedial Enrollment | 20.0% | 68.2% | 11.8% | | |
| NJC | Remedial Enrollments | 346 | 704 | 243 | 1,293 | 1.9% |
| | % of School Remedial Enrollment | 26.8% | 54.4% | 18.8% | | |
| OJC | Remedial Enrollments | 247 | 455 | 127 | 829 | 1.2% |
| | % of School Remedial Enrollment | 29.8% | 54.9% | 15.3% | | |
| PCC | Remedial Enrollments | 1,925 | 4,676 | 1,237 | 7,838 | 11.5% |
| | % of School Remedial Enrollment | 24.6% | 59.7% | 15.8% | | |
| PPCC | Remedial Enrollments | 3,107 | 7,940 | 1,365 | 12,412 | 18.2% |
| | % of School Remedial Enrollment | 25.0% | 64.0% | 11.0% | | |
| RRCC | Remedial Enrollments | 1,057 | 2,880 | 414 | 4,351 | 6.4% |
| | % of School Remedial Enrollment | 24.3% | 66.2% | 9.5% | | |
| TSJC | Remedial Enrollments | 268 | 747 | 174 | 1,189 | 1.7% |
| | % of School Remedial Enrollment | 22.5% | 62.8% | 14.6% | | |
| CCCS | Remedial Enrollments | 17,223 | 41,950 | 8,894 | 68,067 | 100.0% |
| | % of School Remedial Enrollment | 25.3% | 61.6% | 13.1% | | |

Over the past four academic years, remedial course enrollments have increased by nearly 65%, with math being the fastest growing subject (Table 3.) A significant portion of this increase is due to the introduction of MAT 099, which was previously a college level course (MAT 106). Without these enrollments, however, there has still been a 43% increase in remedial enrollment from 2006 to 2010. MAT 075, which is a combined section of MAT 030 and 060 (for TSJC) or 060 and 090 (for FRCC and RRCC) has also been introduced, and will potentially impact 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.

4 Year Remedial Course Enrollment Comparison

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

Remedial enrollments now make up 12% of all enrollments, up from 9.6% in academic year 2006-2007 (Table 4.) Overall course enrollments increased 31% during this time period.

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

Percent of Enrollments in Remedial Courses

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

Of the 68,067 remedial course enrollments, there were 35,948 individual students enrolled in one or more remedial courses over the academic year (Table 5.) This equates to 26.7% of the overall headcount for academic year 2009-2010. Nearly half of these students enrolled in only one remedial course, but 9.5% 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 2009-2010. Percent of total student headcount is based on the academic year 2009-2010 headcount of 134,753.

Total Number of Students Enrolled in Remedial Courses by College

| College | | 1 course | 2 courses | 3 courses | 4+ courses | Total |
|---------|------------------------------|----------|-----------|-----------|------------|-------|
| ACC | # of Students | 1,312 | 724 | 300 | 227 | 2,563 |
| | % of Remedial Students | 51.2% | 28.2% | 11.7% | 8.9% | |
| | % of Total Student Headcount | 7.8% | 4.3% | 1.8% | 1.3% | 15.2% |
| CCA | # of Students | 1,249 | 714 | 325 | 203 | 2,491 |
| | % of Remedial Students | 50.1% | 28.7% | 13.0% | 8.1% | |
| | % of Total Student Headcount | 12.3% | 7.0% | 3.2% | 2.0% | 24.4% |
| CCD | # of Students | 4,086 | 2,273 | 1,191 | 935 | 8,485 |
| | % of Remedial Students | 48.2% | 26.8% | 14.0% | 11.0% | |
| | % of Total Student Headcount | 23.7% | 13.2% | 6.9% | 5.4% | 49.1% |
| CNCC | # of Students | 132 | 95 | 41 | 43 | 311 |
| | % of Remedial Students | 42.4% | 30.5% | 13.2% | 13.8% | |
| | % of Total Student Headcount | 6.0% | 4.3% | 1.8% | 1.9% | 14.0% |
| FRCC | # of Students | 3,783 | 2,018 | 786 | 495 | 7,082 |
| | % of Remedial Students | 53.4% | 28.5% | 11.1% | 7.0% | |
| | % of Total Student Headcount | 13.2% | 7.1% | 2.8% | 1.7% | 24.8% |
| LCC | # of Students | 126 | 82 | 49 | 24 | 281 |
| | % of Remedial Students | 44.8% | 29.2% | 17.4% | 8.5% | |
| | % of Total Student Headcount | 8.5% | 5.6% | 3.3% | 1.6% | 19.0% |
| MCC | # of Students | 137 | 81 | 42 | 56 | 316 |
| | % of Remedial Students | 43.4% | 25.6% | 13.3% | 17.7% | |
| | % of Total Student Headcount | 4.7% | 2.8% | 1.4% | 1.9% | 10.8% |
| NJC | # of Students | 199 | 156 | 55 | 118 | 528 |
| | % of Remedial Students | 37.7% | 29.5% | 10.4% | 22.3% | |
| | % of Total Student Headcount | 4.9% | 3.9% | 1.4% | 2.9% | 13.0% |



| | | | | | | |
|-------|------------------------------|--------|--------|-------|-------|--------|
| OJC | # of Students | 226 | 109 | 91 | 26 | 452 |
| | % of Remedial Students | 50.0% | 24.1% | 20.1% | 5.8% | |
| | % of Total Student Headcount | 10.2% | 4.9% | 4.1% | 1.2% | 20.4% |
| PCC | # of Students | 1,324 | 911 | 640 | 586 | 3,461 |
| | % of Remedial Students | 38.3% | 26.3% | 18.5% | 16.9% | |
| | % of Total Student Headcount | 12.2% | 8.4% | 5.9% | 5.4% | 31.9% |
| PPCC | # of Students | 3,347 | 2,107 | 871 | 498 | 6,823 |
| | % of Remedial Students | 49.1% | 30.9% | 12.8% | 7.3% | |
| | % of Total Student Headcount | 16.1% | 10.2% | 4.2% | 2.4% | 32.9% |
| RRCC | # of Students | 1,408 | 693 | 274 | 164 | 2,539 |
| | % of Remedial Students | 55.5% | 27.3% | 10.8% | 6.5% | |
| | % of Total Student Headcount | 9.6% | 4.7% | 1.9% | 1.1% | 17.4% |
| TSJC | # of Students | 288 | 173 | 98 | 57 | 616 |
| | % of Remedial Students | 46.8% | 28.1% | 15.9% | 9.3% | |
| | % of Total Student Headcount | 10.4% | 6.2% | 3.5% | 2.1% | 22.2% |
| Total | # of Students | 17,617 | 10,136 | 4,763 | 3,432 | 35,948 |
| | % of Remedial Students | 49.0% | 28.2% | 13.2% | 9.5% | |
| | % of Total Student Headcount | 13.1% | 7.5% | 3.5% | 2.5% | 26.7% |

From academic year 2006-2007 to academic year 2009-2010, headcount has increased by 25.5%, while the number of students taking a remedial course has increased 76.7%. Overall, 26.7% 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.

Remedial Enrollment vs. Headcount by Academic Year

| | 2006-2007 | 2007-2008 | 2008-2009 | 2009-2010 |
|------------------------------|-----------|-----------|-----------|-----------|
| Students in Remedial Courses | 20,344 | 22,494 | 24,893 | 35,948 |
| Overall Headcount | 107,348 | 107,028 | 117,245 | 134,753 |
| % in Remedial | 19.0% | 21.0% | 21.2% | 26.7% |

Course Completion Rates

Of all remedial course enrollments, 61.1% 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 66.8% than those enrolled in fall and spring semester with 61.5% and 59.2%, respectively. Overall, Reading courses had the highest completion rates (65.7%, compared to 63.6% for English and 59.1% 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 2009-2010
Remedial Course Completion Rates by Course and Term**

| Course | Term | | | Total |
|--------------|--------------|--------------|--------------|--------------|
| | Summer 2009 | Fall 2009 | Spring 2010 | |
| ENG 030 | 63.3% | 67.7% | 59.6% | 64.2% |
| ENG 060 | 68.5% | 65.8% | 60.9% | 64.0% |
| ENG 090 | 70.3% | 64.3% | 60.5% | 63.3% |
| All English | 69.6% | 64.8% | 60.5% | 63.6% |
| MAT 030 | 65.1% | 61.5% | 58.7% | 60.7% |
| MAT 060 | 68.9% | 63.1% | 62.3% | 63.3% |
| MAT 075 | n/a | n/a | 77.3% | 77.3% |
| MAT 090 | 62.4% | 57.2% | 56.7% | 57.6% |
| MAT 099 | 60.4% | 51.9% | 53.7% | 53.6% |
| All Math | 64.4% | 58.7% | 58.1% | 59.1% |
| REA 030 | 73.9% | 71.2% | 56.2% | 65.9% |
| REA 060 | 72.9% | 70.7% | 62.9% | 67.7% |
| REA 090 | 73.7% | 64.3% | 62.4% | 64.6% |
| All Reading | 73.5% | 67.2% | 62.1% | 65.7% |
| Total | 66.8% | 61.5% | 59.2% | 61.1% |

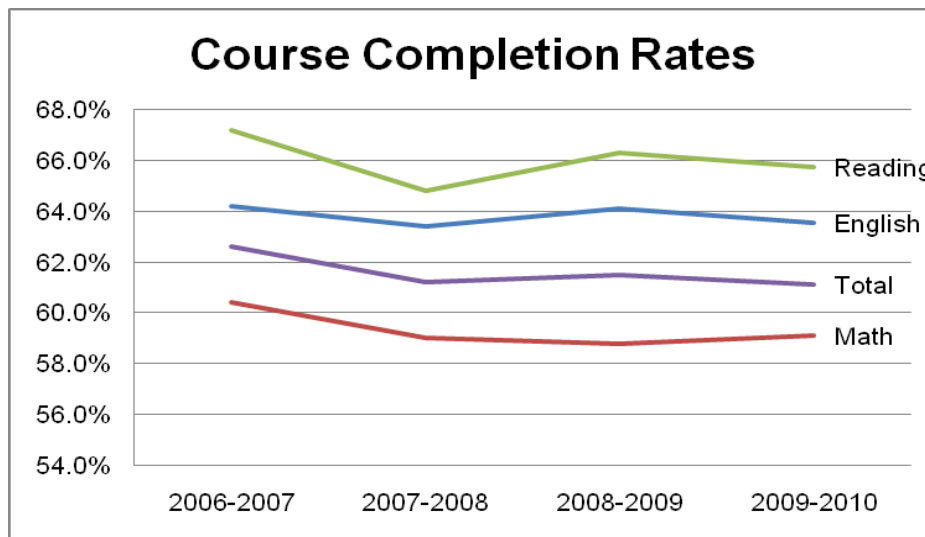
Course completion rates have slightly decreased for all subjects (Table 8) since Academic Year 2006-2007.

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

4 Year Course Completion Rate Comparison

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

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



Morgan Community College has the highest overall course completion rates, with 76% (Table 9.) For further information on individual college completion rate, please see the appendix.

Table 9. Remedial course completion rates for all CCCS institutions by institution and subject for academic year 2009-2010. Totals by subject are based on the sum of all remedial levels in each subject.

**Academic Year 2009-2010
Remedial Course Completion Rates by Institution and Subject**

| Institution | English | Math | Reading | Total |
|--------------------|----------------|-------------|----------------|--------------|
| ACC | 59.6% | 65.8% | 71.8% | 65.0% |
| CCA | 66.5% | 57.9% | 64.5% | 61.4% |
| CCD | 63.0% | 54.3% | 67.3% | 58.6% |
| CNCC | 70.9% | 68.4% | 80.8% | 70.7% |
| FRCC | 66.9% | 62.1% | 73.3% | 64.2% |
| LCC | 61.1% | 58.9% | 43.3% | 57.6% |
| MCC | 68.3% | 79.3% | 72.0% | 76.2% |
| NJC | 74.0% | 53.4% | 67.9% | 61.6% |
| OJC | 65.2% | 56.0% | 66.9% | 60.4% |
| PCC | 58.7% | 64.7% | 61.5% | 62.7% |
| PPCC | 61.2% | 55.6% | 57.1% | 57.2% |
| RRCC | 64.5% | 60.2% | 64.7% | 61.7% |
| TSJC | 72.4% | 56.6% | 70.1% | 62.2% |
| CCCS | 63.6% | 59.1% | 65.7% | 61.1% |

For unsuccessful course completions, it appears that students are withdrawing at a comparable rate across courses and subjects with the exception of MAT 075 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.

Table 10. End of term completion status by course for academic year 2009-2010. 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 | 64.2% | 25.3% | 9.9% | 0.2% | 0.3% |
| ENG 060 | 64.0% | 24.9% | 10.5% | 0.6% | 0.0% |
| ENG 090 | 63.3% | 24.8% | 10.9% | 0.8% | 0.2% |
| All English | 63.6% | 24.9% | 10.7% | 0.7% | 0.1% |
| MAT 030 | 60.7% | 28.5% | 7.9% | 2.8% | 0.1% |
| MAT 060 | 63.3% | 23.6% | 10.4% | 2.6% | 0.0% |
| MAT 075 | 77.3% | 0.0% | 22.7% | 0.0% | 0.0% |
| MAT 090 | 57.6% | 25.5% | 13.9% | 3.0% | 0.0% |
| MAT 099 | 53.6% | 26.1% | 16.8% | 3.4% | 0.1% |
| All Math | 59.1% | 25.8% | 12.1% | 2.9% | 0.1% |
| REA 030 | 65.9% | 24.4% | 8.7% | 1.1% | 0.0% |
| REA 060 | 67.7% | 20.7% | 10.1% | 1.4% | 0.0% |
| REA 090 | 64.6% | 22.3% | 11.6% | 1.5% | 0.0% |
| All Reading | 65.7% | 22.0% | 10.8% | 1.4% | 0.0% |
| Total | 61.1% | 25.1% | 11.6% | 2.2% | 0.1% |

In general, rural colleges have higher overall course completion rates, particularly in English courses (Table 11.)

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 | 63.0% | 69.6% |
| Math | 59.0% | 61.0% |
| Reading | 65.5% | 67.8% |
| Total | 60.8% | 64.2% |

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 (H.S.I.) Status

| | H.S.I. | Non H.S.I. |
|--------------|--------------|--------------|
| English | 62.2% | 64.4% |
| Math | 57.6% | 60.0% |
| Reading | 65.7% | 65.7% |
| Total | 60.0% | 61.8% |

Remedial Student Success

In academic year 2009-2010, 25,014 individual students successfully completed at least one course, or 70% 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 2009-2010.

Students Successfully Completing a Remedial Course

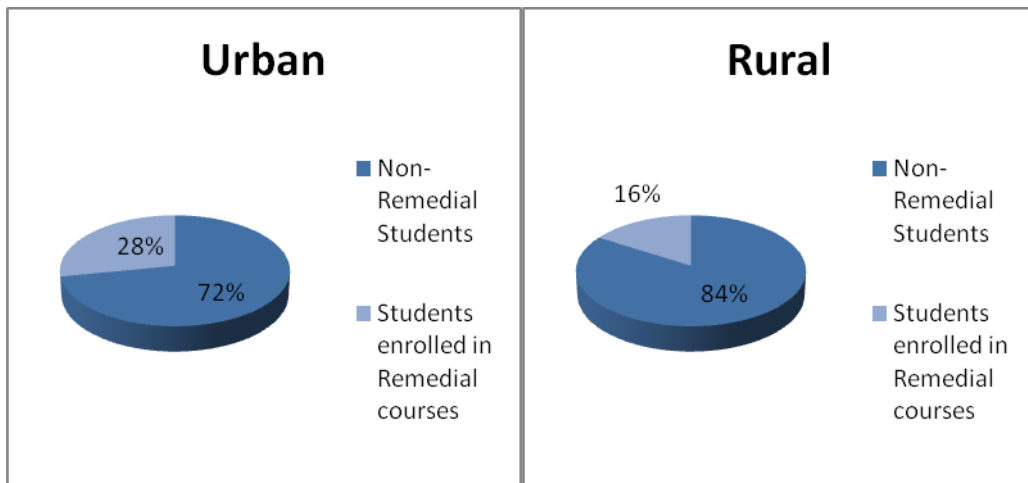
| Institution | Students Completing a Remedial Course | Students Enrolled in Remedial Courses | Percentage |
|-------------|---------------------------------------|---------------------------------------|--------------|
| ACC | 1,865 | 2,563 | 72.8% |
| CCA | 1,738 | 2,491 | 69.8% |
| CCD | 5,665 | 8,485 | 66.8% |
| CNCC | 247 | 311 | 79.4% |
| FRCC | 5,058 | 7,082 | 71.4% |
| LCC | 192 | 281 | 68.3% |
| MCC | 247 | 316 | 78.2% |
| NJC | 389 | 528 | 73.7% |
| OJC | 306 | 452 | 67.7% |
| PCC | 2,508 | 3,461 | 72.5% |
| PPCC | 4,595 | 6,823 | 67.3% |
| RRCC | 1,774 | 2,539 | 69.9% |
| TSJC | 430 | 616 | 69.8% |
| CCCS | 25,014 | 35,948 | 69.6% |

The following figures compare the percentage of students enrolled in remedial courses by college type, as well as the percentage of those who enrolled in remedial courses who have successfully completed at least one within the academic year.

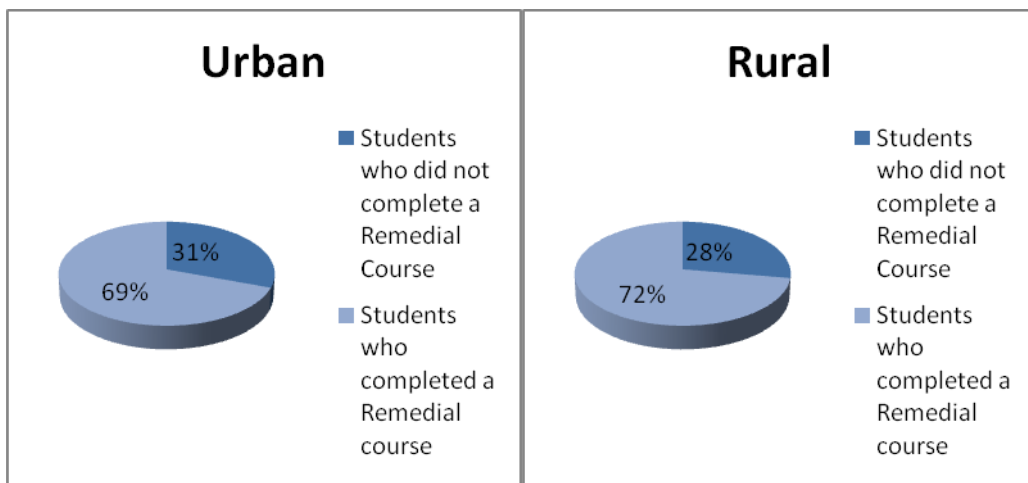
A greater percentage of the students at urban institutions are enrolled in remedial courses than at rural (Figure 2.) A greater percentage of students at rural institutions successfully complete their remedial coursework.

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



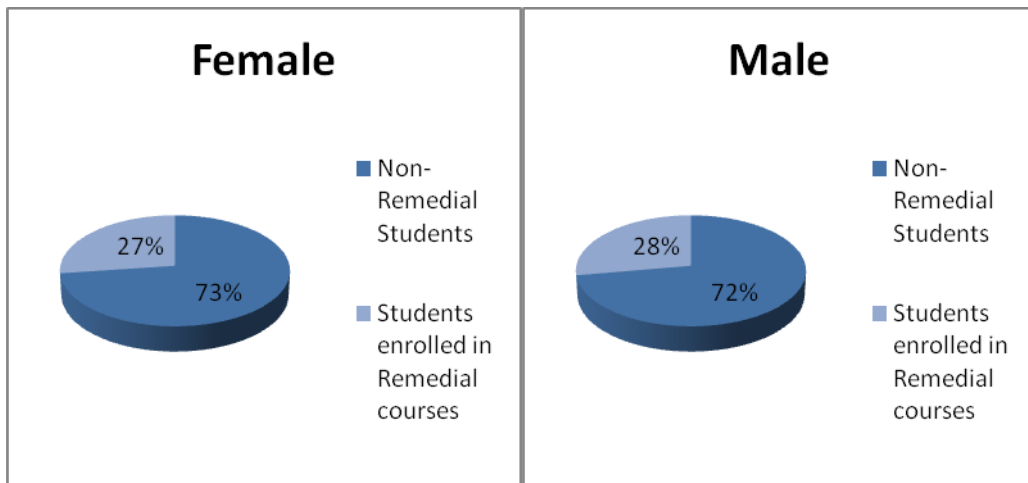
Successful vs. Unsuccessful Completion



By and large, students enrolled in remedial courses are closely reflective of the overall population based on gender (Figure 3.) However, a greater percentage of female students than male students successfully complete their remedial coursework. System-wide, the course completion rate for females is 65%, compared to 56% for males (Table 15.)

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 Completion

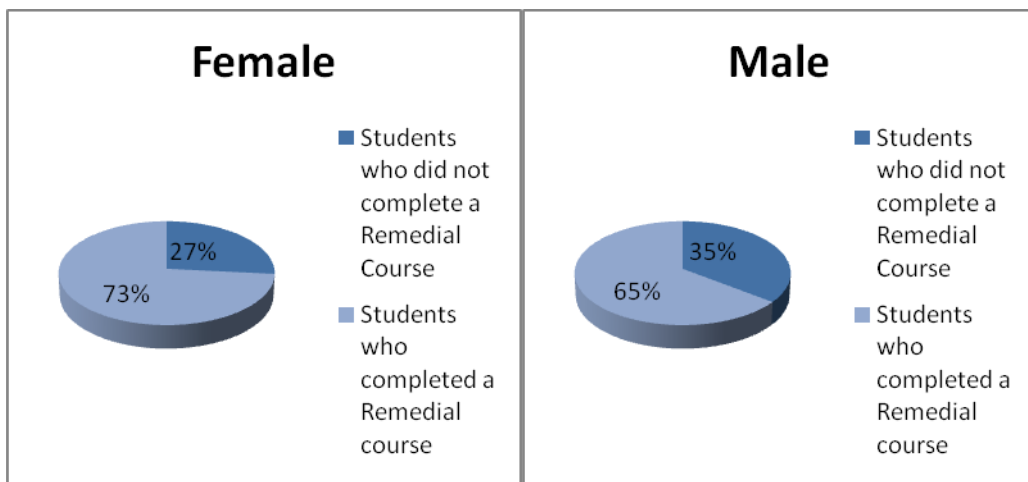


Table 14. Academic year 2009-2010 remedial students and Fall 2009 overall headcount by gender, by institution.

Remedial Students vs. Overall Headcount by Gender Percentage*

| Institution | Remedial Students 2009-2010 | | Overall Fall 2009 Headcount | |
|-------------|-----------------------------|-------|-----------------------------|-------|
| | Female | Male | Female | Male |
| ACC | 58.1% | 41.9% | 61.4% | 38.6% |
| CCA | 61.8% | 38.2% | 59.4% | 40.6% |
| CCD | 54.0% | 46.0% | 58.6% | 41.4% |
| CNCC | 57.4% | 42.6% | 59.0% | 41.0% |
| FRCC | 55.8% | 44.2% | 56.9% | 43.1% |
| LCC | 57.8% | 42.2% | 60.3% | 39.7% |
| MCC | 79.3% | 20.7% | 64.3% | 35.7% |
| NJC | 50.7% | 49.3% | 61.8% | 38.2% |
| OJC | 54.6% | 45.4% | 61.4% | 38.6% |
| PCC | 59.0% | 41.0% | 59.4% | 40.6% |
| PPCC | 58.4% | 41.6% | 58.8% | 41.2% |
| RRCC | 51.7% | 48.3% | 49.1% | 50.9% |
| TSJC | 61.5% | 38.5% | 55.0% | 45.0% |
| CCCS | 56.7% | 43.3% | 57.9% | 42.1% |

*Excluding students with unreported gender

Table 15. Academic year 2009-2010 course completion rates for all remedial courses by gender.

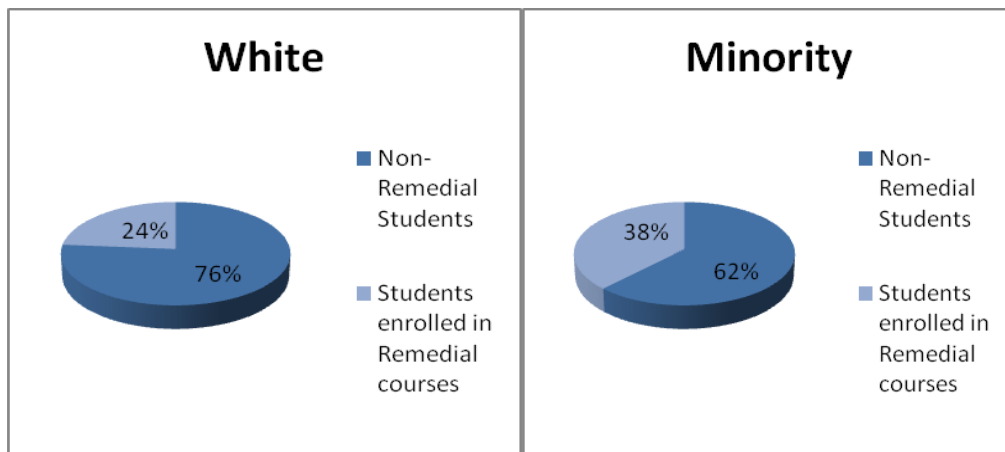
Remedial Course Completion Rates by Gender

| College | Male | Female | Difference Male minus Female |
|----------------|--------------|---------------|-----------------------------------------|
| ACC | 58.9% | 69.7% | -10.8% |
| CCA | 54.7% | 65.5% | -10.8% |
| CCD | 54.0% | 62.4% | -8.4% |
| CNCC | 63.0% | 77.0% | -14.0% |
| FRCC | 58.2% | 69.0% | -10.8% |
| LCC | 55.8% | 58.4% | -2.6% |
| MCC | 57.5% | 80.0% | -22.5% |
| NJC | 54.7% | 69.4% | -14.7% |
| OJC | 57.5% | 63.0% | -5.5% |
| PCC | 57.9% | 66.0% | -8.1% |
| PPCC | 52.1% | 60.7% | -8.6% |
| RRCC | 56.3% | 66.3% | -10.0% |
| TSJC | 59.6% | 63.8% | -4.2% |
| Total | 55.7% | 65.2% | -9.5% |

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, non-minority students complete their remedial courses at a higher rate than minority students (Table 17). Minority students had a course completion rate of 57.4% for all remedial courses, compared to 63.7% for all other students (including those with no ethnicity reported). This is true system-wide, with the exception of Colorado Northwestern Community College and Lamar Community College, who have higher rates of completion in their minority population.

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 Completion

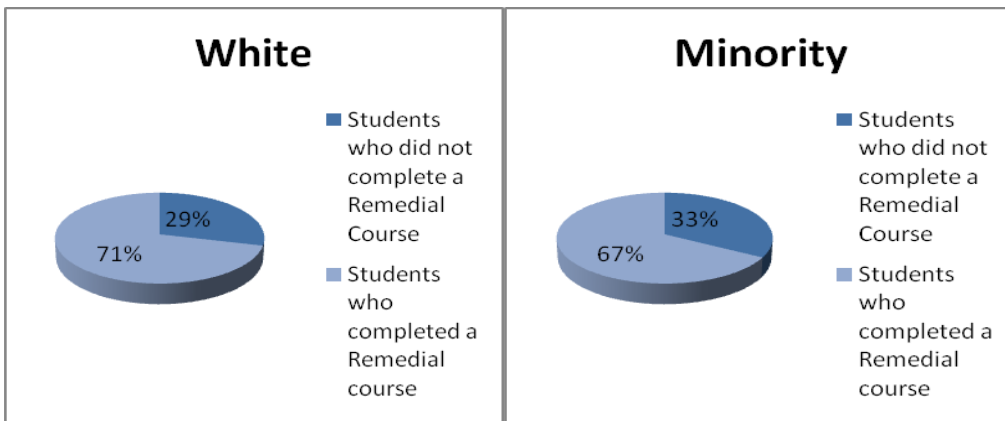


Table 16. Academic year 2009-2010 remedial students and Fall 2009 overall headcount by ethnicity, by institution.

Remedial Students vs. Overall Headcount by Ethnicity Percentage*

| Institution | Remedial Students 2009-2010 | | Overall Fall 2009 Headcount | |
|-------------|-----------------------------|----------|-----------------------------|----------|
| | White | Minority | White | Minority |
| ACC | 71.9% | 28.1% | 80.3% | 18.7% |
| CCA | 36.1% | 63.9% | 46.8% | 51.4% |
| CCD | 43.1% | 56.9% | 44.5% | 50.3% |
| CNCC | 76.0% | 24.0% | 86.8% | 12.6% |
| FRCC | 73.7% | 26.3% | 78.7% | 20.1% |
| LCC | 64.9% | 35.1% | 71.1% | 26.7% |
| MCC | 71.3% | 28.7% | 80.5% | 18.6% |
| NJC | 66.2% | 33.8% | 85.6% | 13.4% |
| OJC | 53.9% | 46.1% | 58.0% | 40.1% |
| PCC | 51.8% | 48.2% | 58.7% | 41.0% |
| PPCC | 66.7% | 33.3% | 71.5% | 28.0% |
| RRCC | 74.7% | 25.3% | 80.6% | 18.2% |
| TSJC | 40.0% | 60.0% | 50.9% | 48.6% |
| CCCS | 59.5% | 40.5% | 68.8% | 29.6% |

*Excluding students with unreported ethnicity



Table 17. Academic year 2009-2010 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.

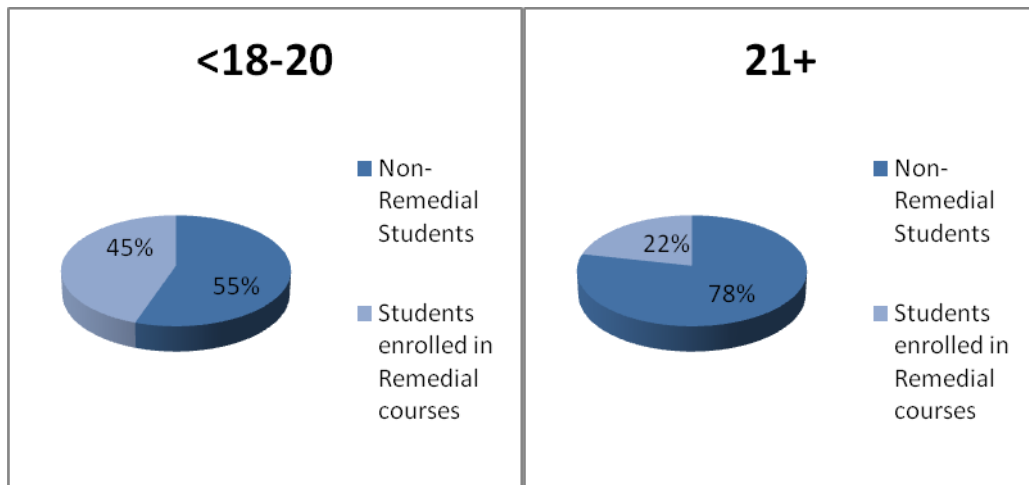
Remedial Course Completion Rates by Ethnicity

| College | Minority | Non-Minority | Difference Minority minus Non-Minority |
|----------------|-----------------|---------------------|--------------------------------------------------|
| ACC | 61.9% | 66.3% | -4.4% |
| CCA | 57.9% | 66.7% | -8.8% |
| CCD | 56.4% | 61.4% | -5.0% |
| CNCC | 72.5% | 69.9% | 2.6% |
| FRCC | 62.3% | 65.0% | -2.7% |
| LCC | 60.5% | 56.1% | 4.4% |
| MCC | 73.1% | 77.5% | -4.4% |
| NJC | 59.2% | 63.3% | -4.1% |
| OJC | 58.4% | 61.9% | -3.5% |
| PCC | 58.5% | 66.5% | -8.0% |
| PPCC | 50.6% | 60.4% | -9.8% |
| RRCC | 56.6% | 63.4% | -6.8% |
| TSJC | 60.6% | 64.9% | -4.3% |
| Total | 57.4% | 63.7% | -6.3% |

Recent high school graduates are more likely to be enrolled in remedial courses than those from older age categories (Figure 5) though this can vary widely by campus (Table 18.) As age increases, it is less likely that students will be enrolled in remedial courses, and students in the older age categories are more likely to successfully complete at least one remedial course. Students that are <18-20 have a course completion rate of 56.6%, compared to 64.1% for those over 21 (Table 19).

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 Completion

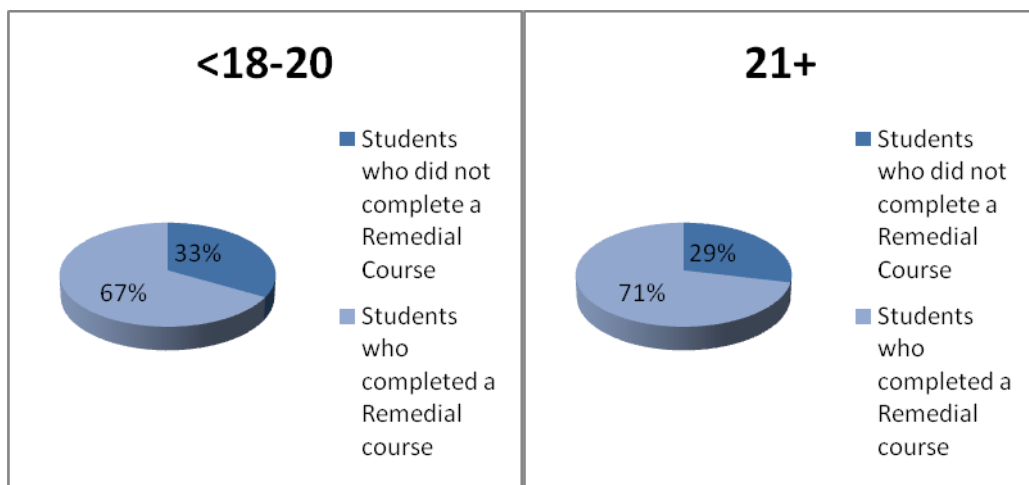


Table 18. Academic year 2009-2010 remedial students and Fall 2009 overall headcount by age group, by institution.

Remedial Students vs. Overall Headcount by Age Group Percentage

| Institution | Remedial Students 2009-2010 | | Overall Fall 2009 Headcount | |
|-------------|-----------------------------|-------|-----------------------------|-------|
| | <18-20 | 21+ | <18-20 | 21+ |
| ACC | 38.0% | 62.0% | 26.1% | 73.9% |
| CCA | 30.4% | 69.6% | 28.7% | 71.3% |
| CCD | 38.4% | 61.6% | 36.4% | 63.6% |
| CNCC | 60.1% | 39.9% | 45.2% | 54.8% |
| FRCC | 40.6% | 59.4% | 35.6% | 64.4% |
| LCC | 53.0% | 47.0% | 58.5% | 41.5% |
| MCC | 27.8% | 72.2% | 46.0% | 54.0% |
| NJC | 70.5% | 29.5% | 44.7% | 55.3% |
| OJC | 54.4% | 45.6% | 55.8% | 44.2% |
| PCC | 28.8% | 71.2% | 31.4% | 68.6% |
| PPCC | 32.2% | 67.8% | 34.1% | 65.9% |
| RRCC | 37.4% | 62.6% | 31.1% | 68.9% |
| TSJC | 45.0% | 55.0% | 43.4% | 56.6% |
| CCCS | 37.1% | 62.9% | 34.6% | 65.4% |

Table 19. Academic year 2009-2010 course completion rates for all remedial courses by age group.

Remedial Course Completion Rates by Age Group

| College | <18-20 | 21+ | Difference <18-20 minus 21+ |
|----------------|------------------|--------------|-------------------------------------------|
| ACC | 57.3% | 70.6% | -13.3% |
| CCA | 54.2% | 65.1% | -10.9% |
| CCD | 57.8% | 59.2% | -1.4% |
| CNCC | 68.9% | 74.4% | -5.5% |
| FRCC | 57.4% | 69.4% | -12.0% |
| LCC | 63.8% | 50.8% | 13.0% |
| MCC | 77.9% | 75.6% | 2.3% |
| NJC | 59.4% | 68.2% | -8.8% |
| OJC | 60.4% | 60.5% | -0.1% |
| PCC | 59.3% | 64.2% | -4.9% |
| PPCC | 49.6% | 61.2% | -11.6% |
| RRCC | 53.8% | 67.0% | -13.2% |
| TSJC | 60.2% | 63.8% | -3.6% |
| Total | 56.6% | 64.1% | -7.5% |

Developmental coursework is offered both online and in a traditional method. Some colleges also offer hybrid or other special sections. System-wide, nearly 13% of remedial enrollments are in online courses (Table 20). Overall, the completion rate for courses utilizing a traditional instruction method is much greater than those offered online (62.1% vs. 53.3%). At some colleges, this difference is as much as 39% (Table 21). Red Rocks Community College is the only college where online students complete at a higher rate than traditional students.

Table 20. Academic year 2009-2010 course enrollments for all remedial courses by instruction method.

Remedial Course Enrollment by Instruction Method

| College | Online | Traditional | Other |
|--------------|--------------|--------------|-------------|
| ACC | 19.9% | 80.1% | 0.0% |
| CCA | 16.8% | 81.3% | 1.8% |
| CCD | 5.9% | 94.0% | 0.1% |
| CNCC | 9.7% | 82.2% | 8.1% |
| FRCC | 14.0% | 85.3% | 0.7% |
| LCC | 13.9% | 86.1% | 0.0% |
| MCC | 11.4% | 81.8% | 6.8% |
| NJC | 6.7% | 93.0% | 0.2% |
| OJC | 6.6% | 71.7% | 21.7% |
| PCC | 7.6% | 55.4% | 37.1% |
| PPCC | 18.9% | 79.0% | 2.1% |
| RRCC | 16.8% | 81.6% | 1.6% |
| TSJC | 15.8% | 82.3% | 1.9% |
| Total | 12.7% | 81.8% | 5.5% |



Table 21. Academic year 2009-2010 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% | 66.0% | -5.1% |
| CCA | 53.9% | 62.9% | -9.0% |
| CCD | 39.4% | 59.8% | -20.4% |
| CNCC | 61.5% | 71.0% | -9.5% |
| FRCC | 54.4% | 65.8% | -11.4% |
| LCC | 35.1% | 61.3% | -26.2% |
| MCC | 59.5% | 80.1% | -20.6% |
| NJC | 51.7% | 62.6% | -10.9% |
| OJC | 27.3% | 66.0% | -38.7% |
| PCC | 43.9% | 63.4% | -19.5% |
| PPCC | 54.5% | 57.9% | -3.4% |
| RRCC | 64.2% | 61.4% | 2.8% |
| TSJC | 57.4% | 62.7% | -5.3% |
| Total | 53.3% | 62.1% | -8.8% |



COLORADO COMMUNITY
COLLEGE SYSTEM

Sources:

All course completion rates were compiled from frozen end of term course files for the academic year 2009-2010. 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/AY2009%20Remedial%20Report.pdf>.

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