



Snow College CAAP Linkage Report

Overview:

This report contains the results for Snow College students with ACT and CAAP test scores for the years 2007, 2009, and 2011 respectively. By tracking students over multiple years, the college can better assess the performance of students in the areas of Math, Reading, and Science. Snow College administers the CAAP Math, Reading, and Science assessments to alternating graduating classes. Unique to the 2011 CAAP administration, a greater cross-section of students were selected at random (not just graduating students). ACT scores submitted for college admission were matched with student CAAP scores in order to ascertain student performance.

Quartile ranges were established for each ACT Math, Reading, and Science test based on reported scores. Quartile ranges were also established for each CAAP Math, Reading, and Science test based on reported scores. Because the scoring system is different for the ACT and CAAP tests, quartile ranges presented medium by which to interpret and compare data.

Important facts to note:

- ▶ CAAP modules require greater knowledge and more complex cognitive skills than the ACT tests. As a result, students who have maintained their quartile range or progressed into a higher quartile range from the ACT to the CAAP have increased their knowledge and cognitive skills.
- ▶ It is very difficult for students who tested in the highest ACT quartile range to progress because they essentially have nowhere to go other than remain that the same level or move to a lower quartile range on the CAAP.
- ▶ The students used in this study were identified as taking both the ACT and the CAAP. These students may not be typical of all students at Snow College and caution should be exercised in applying these results to the general student body.
- ▶ In 2009, the required sample size for the CAAP Science test was not obtained, therefore, the CAAP Science test was not scored.

Report Outline:

This report contains the following sections:

- ▶ *Section 1: Linkage Report Summary for 2007, 2009, 2011*
 - Math ACT to CAAP Summary
 - Reading ACT to CAAP Summary
 - Science ACT to CAAP Summary

- ▶ *Section 2: Individual year Linkage Reports*
 - 2007 Linkage Report
 - 2009 Linkage Report
 - 2011 Linkage Report

MATH

Matched ACT Scores

	2007	2009	2011
1-24 (1st Quartile)	10%	18%	3%
25-49 (2nd Quartile)	24%	19%	26%
50-74 (3rd Quartile)	20%	27%	33%
70 or more (4th Quartile)	46%	36%	38%

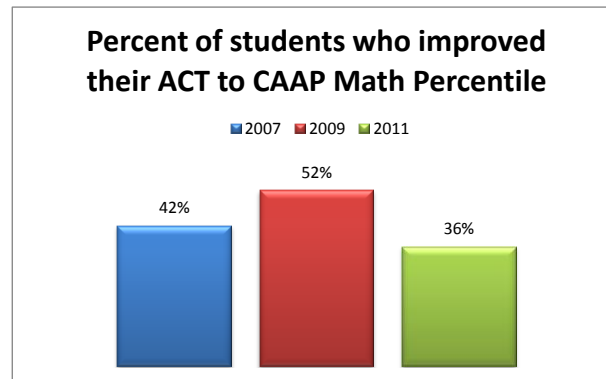
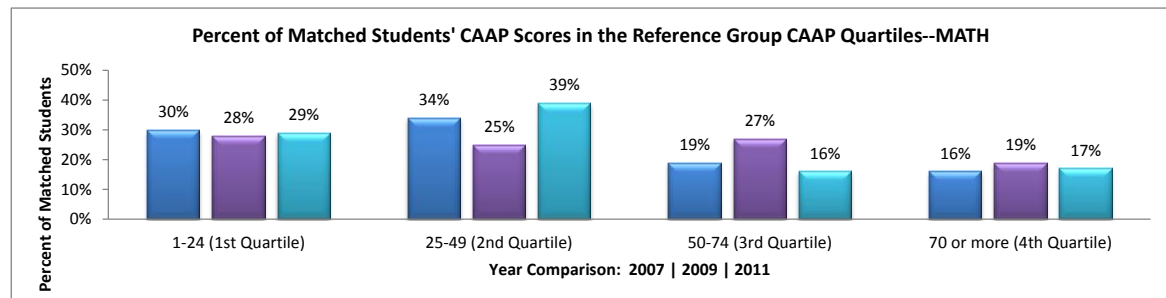
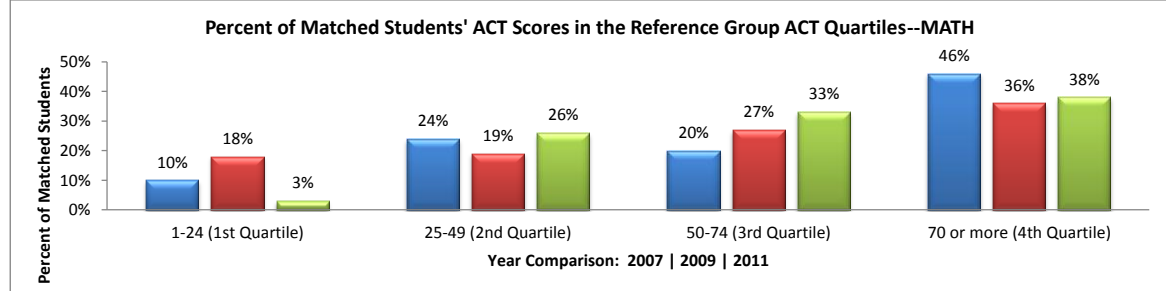
Matched CAAP Scores

	2007	2009	2011
1-24 (1st Quartile)	30%	28%	29%
25-49 (2nd Quartile)	34%	25%	39%
50-74 (3rd Quartile)	19%	27%	16%
70 or more (4th Quartile)	16%	19%	17%

	2007	2009	2011	
ACT Average	19.87	19.93	19.89	
ACT StDev	4.36	4.4	4.25	
CAAP Average	58.44	58.49	58	
CAAP StDev	4.34	4.72	3.24	
Matched ACT Average	22.36	21.18	21.9	
Matched ACT StDev	4.55	4.68	4.04	
Matched CAAP Average	58.78	58.43	58.1	
Matched CAAP StDev	4.03	4.89	3.25	

Students who stayed or improved from their ACT Quartile

Quartile	2007	2009	2011
Total Matched Students	79	67	90
1-24 (1st Quartile)	7	10	3
25-49 (2nd Quartile)	6	5	8
50-74 (3rd Quartile)	7	7	6
70 or more (4th Quartile)	13	13	15
Total Improved	33	35	32
Percent of Total Match	42%	52%	36%



Summary:

- Increases in ACT score quartiles not matched by increases in CAAP score quartiles (e.g. 3rd Quartile ACT scores improve over time where 3rd Quartile CAAP scores do not improve)
- Students who either stayed the same or improved to a higher CAAP quartile from their ACT quartile increased from 2007 to 2009 but dropped in 2011.

Thoughts:

Consideration needs to be given to the new administration of the CAAP for 2011 which included a greater cross-section of freshman and sophomore students. Previous administrations included only graduating students.

READING

Matched ACT Scores

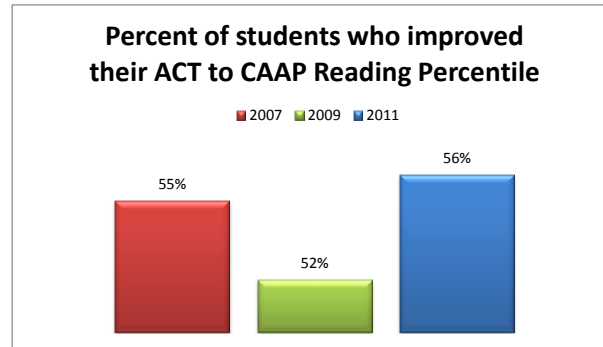
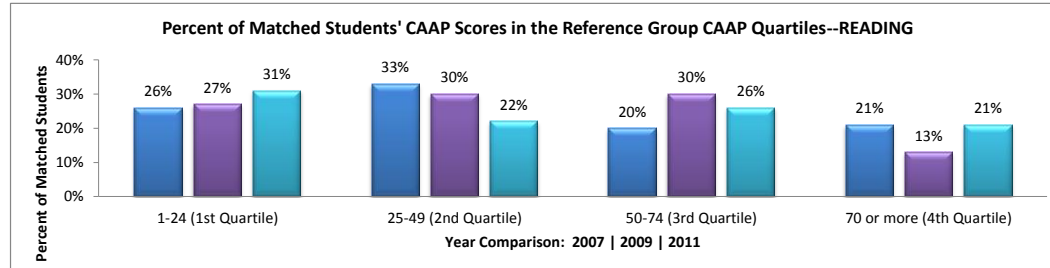
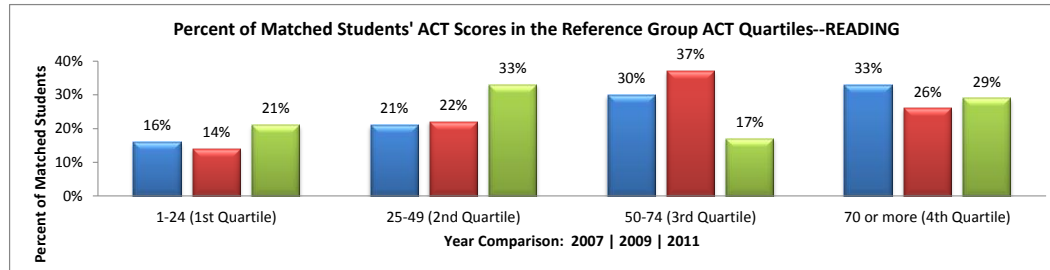
	2007	2009	2011
1-24 (1st Quartile)	16%	14%	21%
25-49 (2nd Quartile)	21%	22%	33%
50-74 (3rd Quartile)	30%	37%	17%
70 or more (4th Quartile)	33%	26%	29%

Matched CAAP Scores

	2007	2009	2011
1-24 (1st Quartile)	26%	27%	31%
25-49 (2nd Quartile)	33%	30%	22%
50-74 (3rd Quartile)	20%	30%	26%
70 or more (4th Quartile)	21%	13%	21%

	2007	2009	2011
ACT Average	21.26	21.13	20.56
ACT StDev	5.48	5.47	6.19
CAAP Average	61.43	62.71	58.65
CAAP StDev	5.52	6.09	4.94
Matched ACT Average	23.01	22.63	21.75
Matched ACT StDev	5.12	4.54	4.69
Matched CAAP Average	61.61	63.09	58.66
Matched CAAP StDev	5.41	5.88	4.88

Students who stayed or improved from their ACT Quartile	2007	2009	2011
Total Matched Students	76	91	86
1-24 (1st Quartile)	7	10	3
25-49 (2nd Quartile)	10	11	13
50-74 (3rd Quartile)	9	14	14
70 or more (4th Quartile)	16	12	18
Total Improved	42	47	48
Percent of Total Match	55%	52%	56%



Summary:

- Increases in ACT score quartiles are mixed with increases and decreases in CAAP score quartiles.
- Students who either stayed the same or improved to a higher CAAP quartile from their ACT quartile stayed the same for the administrative years of this study.

Thoughts:

- Consideration needs to be given to the new administration of the CAAP for 2011 which included a greater cross-section of freshman and sophomore students. Previous administrations included only graduating students. This appears to have a non-affect on ACT to CAAP Reading scores.
- The college does not have general education courses specific to reading skills.

SCIENCE

Matched ACT Scores

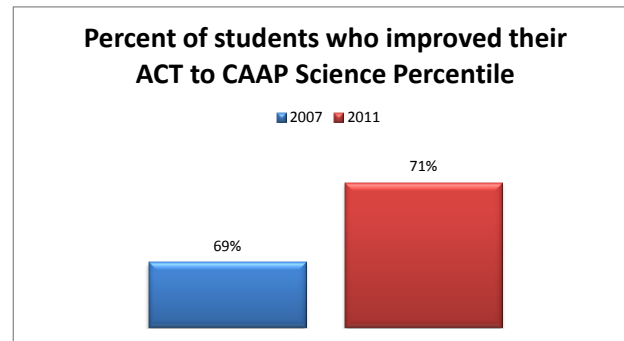
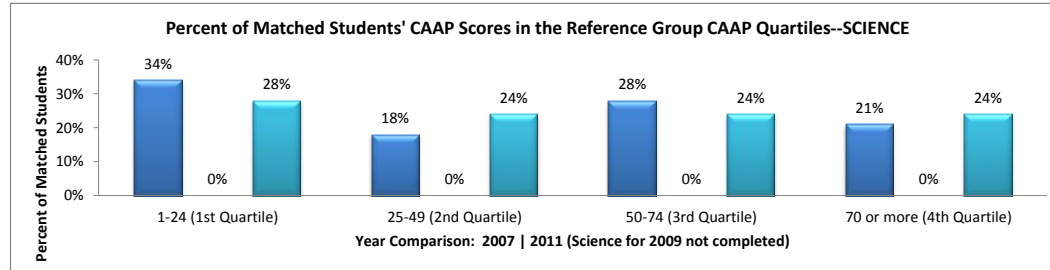
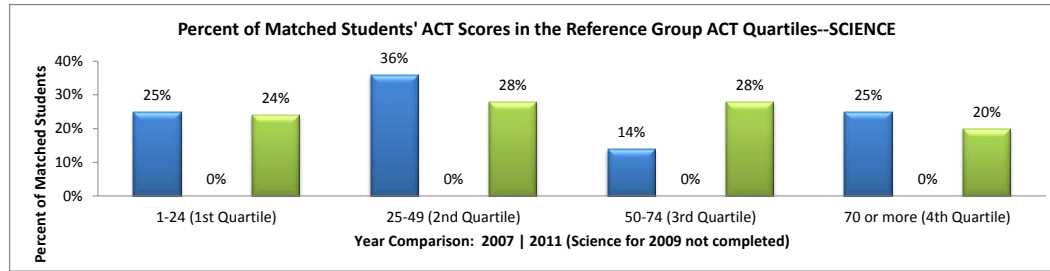
	2007	2009	2011
1-24 (1st Quartile)	25%	NA	24%
25-49 (2nd Quartile)	36%	NA	28%
50-74 (3rd Quartile)	14%	NA	28%
70 or more (4th Quartile)	25%	NA	20%

Matched CAAP Scores

	2007	2009	2011
1-24 (1st Quartile)	34%	NA	28%
25-49 (2nd Quartile)	18%	NA	24%
50-74 (3rd Quartile)	28%	NA	24%
70 or more (4th Quartile)	21%	NA	24%

	2007	2009	2011
ACT Average	20.72	NA	19.97
ACT StDev	4.05	NA	5.04
CAAP Average	59.57	NA	58.96
CAAP StDev	4.49	NA	4.45
Matched ACT Average	20.97	NA	20.45
Matched ACT StDev	4.03	NA	3.39
Matched CAAP Average	59.49	NA	51.66
Matched CAAP StDev	4.48	NA	0.58

Students who stayed or improved from their ACT Quartile	2007	2009	2011
Total Matched Students	77	NA	83
1-24 (1st Quartile)	12	NA	12
25-49 (2nd Quartile)	12	NA	11
50-74 (3rd Quartile)	13	NA	16
70 or more (4th Quartile)	16	NA	20
Total Improved	53	NA	59
Percent of Total Match	69%	NA	71%



Summary:

- Administration of the CAAP Science test was not completed for 2009.
- Increases in ACT score quartiles are mixed with increases and decreases in CAAP score quartiles.
- In 2007, only 2% of matched students dropped from higher quartiles to the 2nd Quartile on the CAAP.
- Students who either stayed the same or improved to a higher CAAP quartile from their ACT quartile decreased from 2007 to 2011 administration.

Thoughts:

- Consideration needs to be given to the new administration of the CAAP for 2011 which included a greater cross-section of freshman and sophomore students. Previous administrations included only graduating students. This appears to have a non-affect on ACT to CAAP Science scores.