PMSEI v4.2 Data Results
12 & Older
Data Results from: Fiscal Year 2010-2015
Affiliate: Gunnison Valley Mentors

This document reflects findings from the Partners Mentoring Services Evalution Index (PMSEI) 12 and older version. OMNI has provided these findings so that the Partners Mentoring Association (PMA) affiliates can better understand their program's progress.

When reviewing your data you should pay close attention to the last column, which is the *Effect Size*. Effect size shows the magnitude of a program effect. The following is a set of benchmarks to determine the strength of effect sizes: .20 = small, .50 = moderate, and .80 or above = large. In the social sciences, even a small effect size can be meaningful and a marker of program success.

Results from paired samples *t* tests are included in this report to determine if the difference between matched pre- and post-survey responses is statistically significant. Statistical significance is calculated by finding the probability-value (*p*-value), which is the probability that the observed difference between responses is due to chance. A *p*-value of .05 indicates there is a 5% (i.e., low) probability that the observed difference between responses is due to chance. *P*-values range from 0.0 to 1.0 and it is standard in the social sciences to consider a *p*-value of less than or equal to .05 as significant. Since results from this test are not as reliable if the sample size is small, results from significance analyses are not included if there are 15 or fewer matched pre-/post-surveys. Out of respect for client confidentiality, no results are provided if there are 5 or fewer matched pre/post surveys.

The following page is intended to provide a simple map for understanding your results in the data tables. If you have further questions, please contact April Hendrickson at x 174 (ahendrickson@omni.org).

Understanding the Data Tables

This is just an _EXAMPLE_ . The explanation boxes apply to any measure.

Effect size shows the amount of change. The following is a set of benchmarks to determine the strength of effect sizes: .2 = small, .5 = moderate, and .8 = large.

In the social sciences, even a small effect size can be meaningful and a marker of program success.

The questions and/or scales that were measured.

The pretest and posttest group mean (average). In other words, the average pretest and posttest score for the group.

The numerical difference between the pre and post means.

Social Skills	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
Teamwork	1=Never 2= Sometimes 3=Frequently	2.36	2.67	0.31	Yes	n.s.	0.32
Problem-Solving		2.22	2.74	0.52	Yes	*	0.61
Aggression	1=None 2=Low 3=Moderate 4=High	1.73	1.25	-0.48	Yes	n.s.	0.41
Frustration		2.08	2.26	0.18	No	n.s.	-0.17

Indicates the meaning of the numerical choices on the survey.

Indicates whether change from pre to post was in the desired direction, meaning that the program had the intended

Significance is generally more accurate for sample sizes larger than 15. P-values greater than 0.10 are represented by (n.s.); (^) means that the p-value is between 0.05 and 0.10 and that the change is non-significant; an asterisk (*) reflects that changes in scores from pre- to post-test are likely due to a real difference, rather than chance alone and that the p-value is between 0.01 and 0.05. Two asterisks (**) means that the p-value is less than 0.01 and that the change is highly statistically signficant.

Note: Numbers used in example do not reflect actual data

Affiliate: Gunnison Valley Mentors
Data Results from: Fiscal Year 2010-2015
Measurement Tool: PMSEI v4.2 - 12 & Older
Number of Matched Pre and Post Tests (n): 53

Program Effects

You'd like to see an **increase in the mean** from pre to post-test, which indicates youth have *greater social and communication skills.*

Social and Communication Skills	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
1a. I understand how other people feel.		3.28	3.45	0.17	Yes	^	0.29
1b. I get along with other people.	1 = Strongly Disagree	3.26	3.34	0.08	Yes	n.s.	0.12
1c. I listen to what other people say.	2 = Disagree	3.44	3.42	-0.02	No	n.s.	-0.03
1d. I let other people know how I feel.		2.98	3.08	0.10	Yes	n.s.	0.11
1e. I am good at working out problems or arguments with other people.	3 = Agree	2.92	3.12	0.20	Yes	n.s.	0.28
1f. I am good at working with other people on a team or on a group project.	4 = Strongly Agree	3.25	3.33	0.08	Yes	n.s.	0.13
Social and Communications Skills Overall Mean		3.19	3.29	0.10	Yes	n.s.	0.22

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
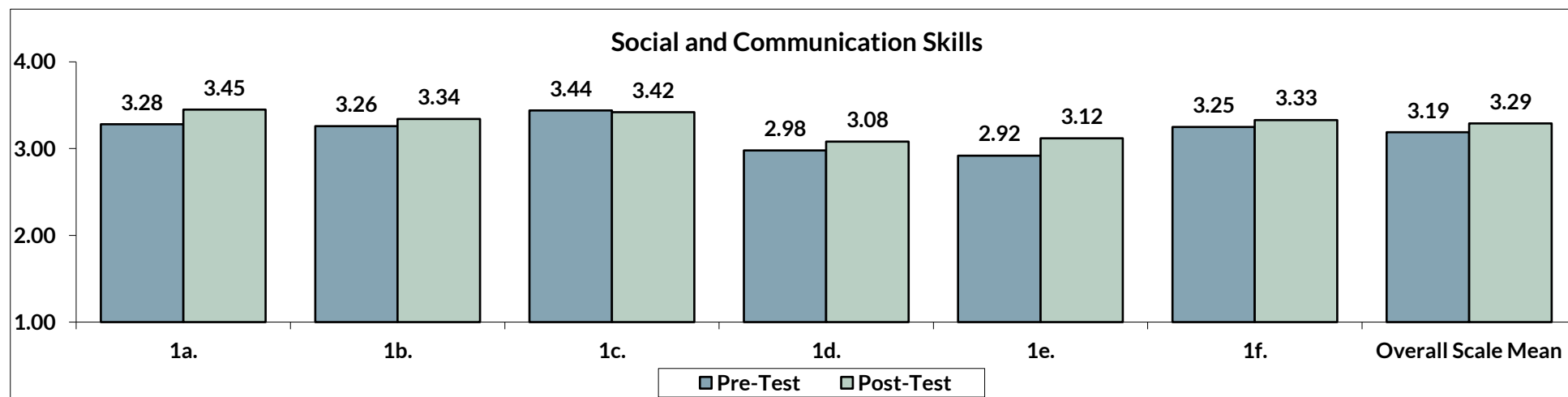
Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see an **increase in the mean** from pre to post-test, which indicates youth have *higher self-esteem.*

Self-Esteem	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
2a. I feel I am a good person.	1 = Strongly Disagree 2 = Disagree 3 = Agree 4 = Strongly Agree	3.45	3.49	0.04	Yes	n.s.	0.07
2b. I have much to be proud of.		3.35	3.39	0.04	Yes	n.s.	0.06
2c. I feel that I have a number of good qualities.		3.38	3.31	-0.07	No	n.s.	-0.10
2d. I am able to do things as well as most other people.		3.15	3.29	0.14	Yes	n.s.	0.20
2e. I feel useless at times.	1 = Strongly Agree 2 = Agree 3 = Disagree 4 = Strongly Disagree	2.60	2.69	0.09	Yes	n.s.	0.10
Self-Esteem Overall Mean (excludes item 2e)		**3.19**	**3.23**	**0.04**	**Yes**	**n.s.**	**0.08**

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
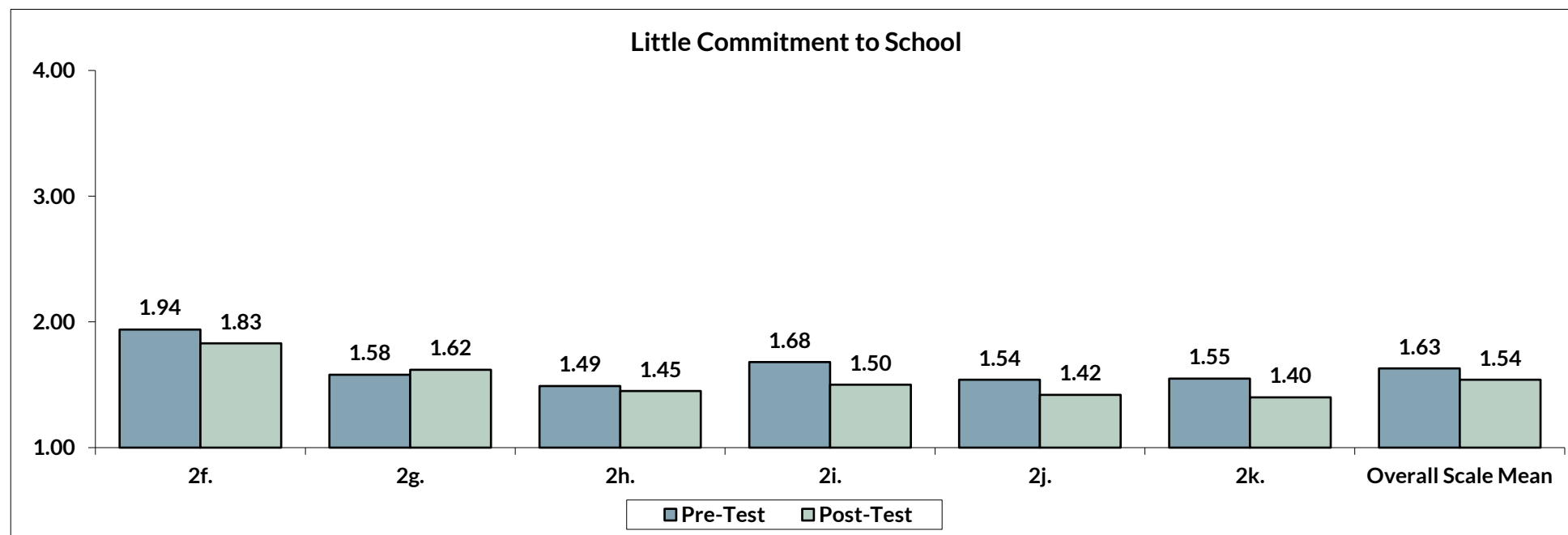
Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see a **decrease in the mean** from pre to post-test, which indicates youth have *more commitment to school.*

Little Commitment to School	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
2f. I enjoy being in school.	1 = Strongly Agree	1.94	1.83	-0.11	Yes	n.s.	-0.15
2g. I care if my homework is done correctly.		1.58	1.62	0.04	No	n.s.	0.06
2h. I try to do my best in school.	2 = Agree	1.49	1.45	-0.04	Yes	n.s.	-0.07
2i. I pay attention to what my teachers are saying.	3 = Disagree	1.68	1.50	-0.18	Yes	*	-0.30
2j. It matters to me what my grades are.		1.54	1.42	-0.12	Yes	n.s.	-0.18
2k. What I learn in school will be important later in life.	4 = Strongly Disagree	1.55	1.40	-0.15	Yes	^	-0.23
Little Commitment to School Overall Mean		**1.63**	**1.54**	**-0.09**	**Yes**	**n.s.**	**-0.18**

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
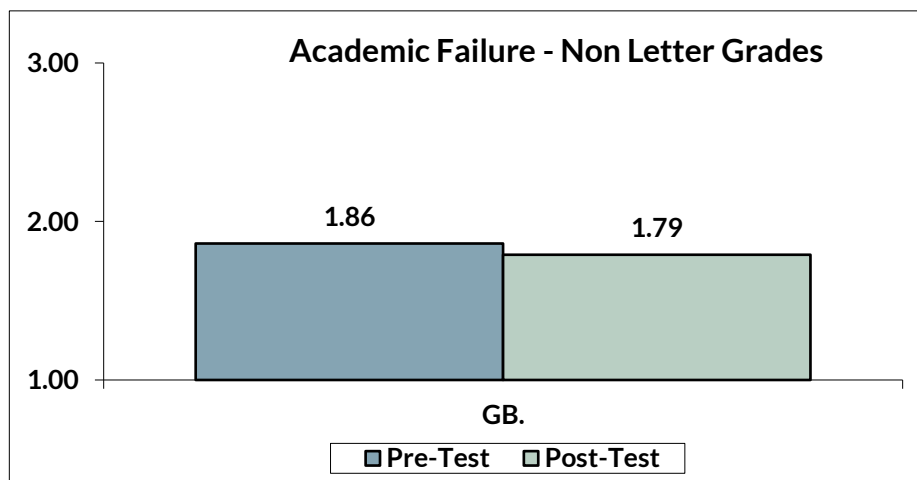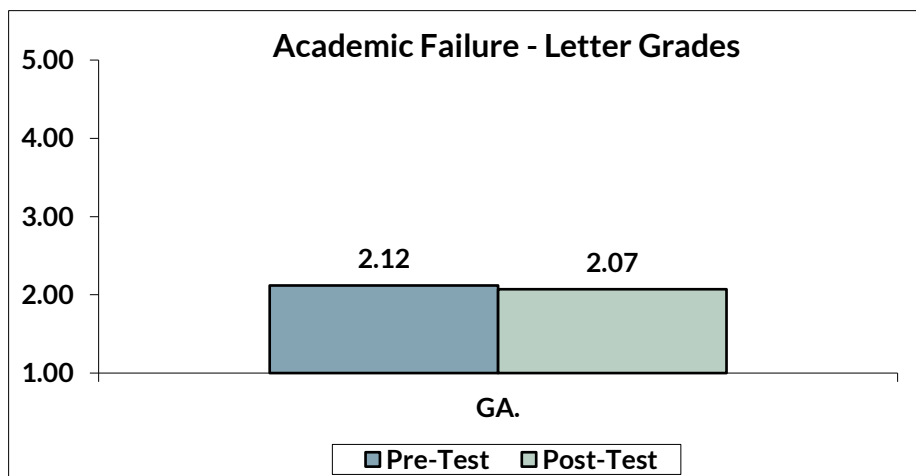

Little Commitment to School

Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see a **decrease in the mean** from pre to post-test which indicates youth are *less likely to fail academically.*

Academic Failure	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
GA. Putting them all together, what were you grades like in school last year?	1 = Mostly A's 2 = Mostly B's 3 = Mostly C's 4 = Mostly D's 5 = Mostly F's	2.12	2.07	-0.05	Yes	n.s.	-0.07
GB. Putting them all together, what were you grades or marks like in school last year?	1 = Almost all high grades/marks 2 = Some high grades/marks and some low grades/marks 3 = Almost all low grades/marks	1.86	1.79	-0.07	Yes	--	--

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant

Academic Failure - Letter Grades

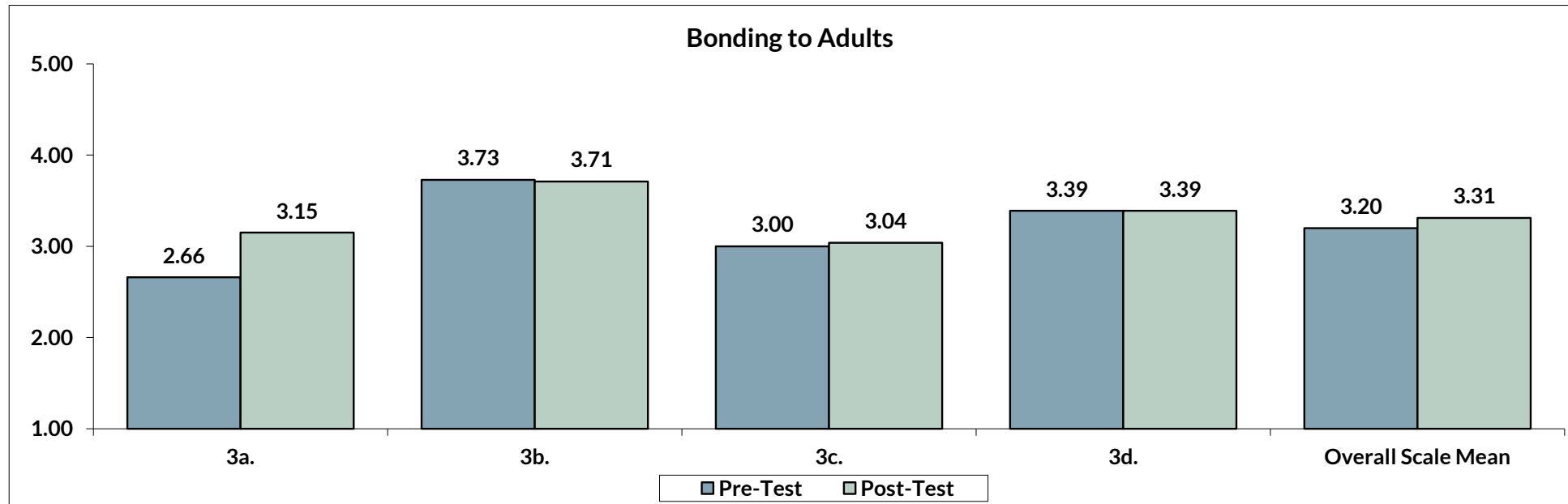Academic Failure - Non Letter Grades

Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see an **increase in the mean** from pre to post-test, which indicates youth are *bonding to adults.*

Bonding to Adults	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
3a. How much time do you generally spend with adults who are not your parents or relatives?	1 = Very Little/None 2 = Not Too Much 3 = Some 4 = Quite a Bit 5 = A Great Deal	2.66	3.15	0.49	Yes	*	0.44
3b. How much support and encouragement have you received from adults who are not your parents or relatives?		3.73	3.71	-0.02	No	n.s.	-0.02
3c. How close or attached are you to adults who are not your parents or relatives?		3.00	3.04	0.04	Yes	n.s.	0.03
3d.How much loyalty do you have for adults who are not your parents or relatives?		3.39	3.39	0.00	No Change	n.s.	0.00
Bonding to Adults Overall Mean		**3.20**	**3.31**	**0.11**	**Yes**	**n.s.**	**0.12**

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
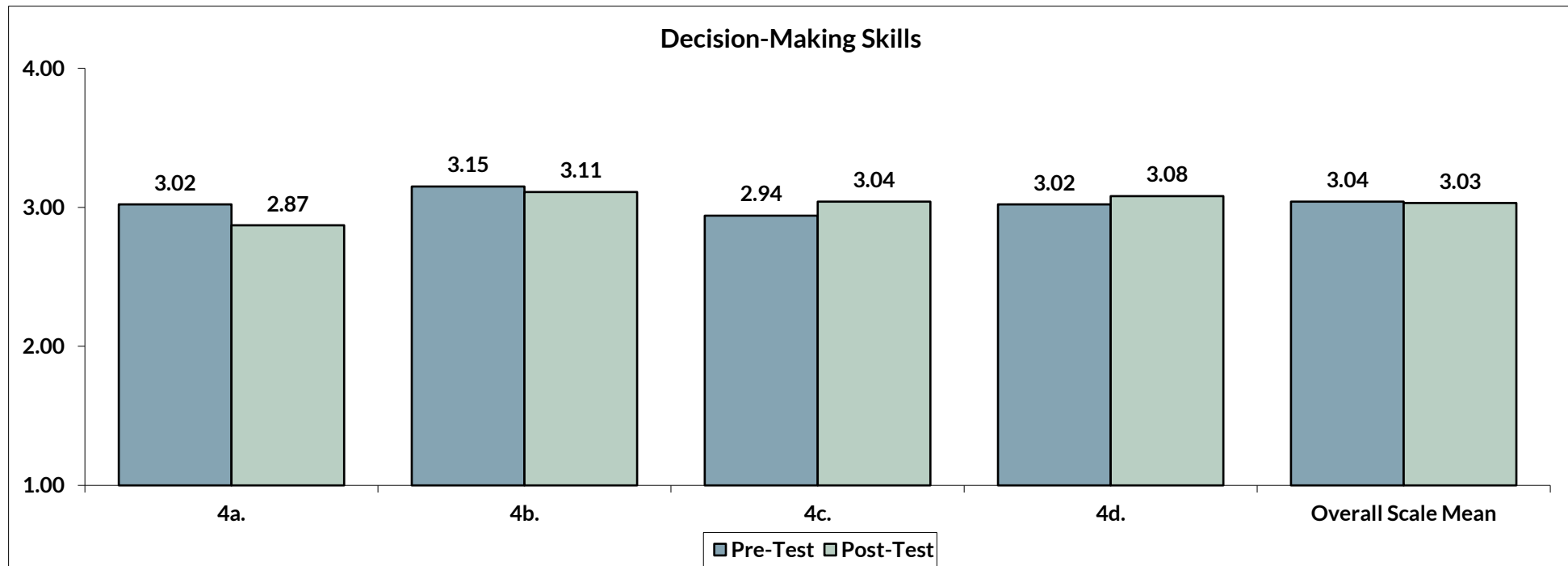
Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see an **increase in the mean** from pre to post-test, which indicates youth have *greater decision making skills.*

Decision-Making Skills	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
4a. How often do you stop to think about your options before you make a decision?	1 = Never 2 = Sometimes, but Not Often 3 = Often 4 = All of the Time	3.02	2.87	-0.15	No	^	-0.24
4b. How often do you stop to think about how your decisions may affect others' feelings?		3.15	3.11	-0.04	No	n.s.	-0.05
4c. How often do you stop to think about all the things that may happen as a result of your decisions?		2.94	3.04	0.10	Yes	n.s.	0.14
4d. How often do you feel you make good decisions?		3.02	3.08	0.06	Yes	n.s.	0.10
Decision-Making Skills Overall Mean		3.04	3.03	-0.01	No	n.s.	-0.02

indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
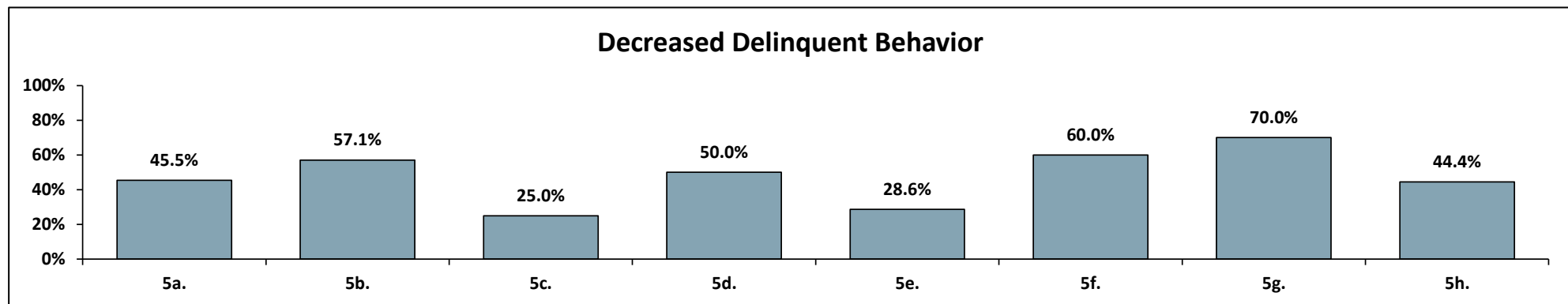
Affiliate: Gunnison Valley Mentors

Program Effects

You'd like to see a high proportion with *no delinquent* behavior at pre or post and a high proportion with *decreased* delinquency from pre- to post-test.
Note: *Decreased, no change, and increased* rates are only applicable to those that who reported delinquent behavior at either time point.

| Individual Delinquency	Scale	No Delinquent Behavior at Pre or Post		Delinquent Behavior at Pre or Post		
				Decreased delinquency	No Change	Increased delinquency
5a. During the past year, how many times have you stolen something from a store?	1 = 0 times 2 = 1-2 times 3 = 3-5 times 4 = 6-9 times 5 = 10 or more times	78.4%		45.5%	27.3%	27.3%
5b. During the past year, how many times have you stolen something from another person?		86.5%		57.1%	28.6%	14.3%
5c. During the past year, how many times have you snuck into someplace without paying, or without permission, like the movies or a bus?		84.9%		25.0%	0.0%	75.0%
5d. During the past year, how many times have you hit or threatened to hit someone?		62.3%		50.0%	10.0%	40.0%
5e. During the past year, how many times have you gone out at night when your parents told you that you couldn't?		86.0%		28.6%	14.3%	57.1%
5f. During the past year, how many times have you been on suspension?		90.4%		60.0%	0.0%	40.0%
5g. During the past year, how many times have you cheated on a test?		81.1%		70.0%	10.0%	20.0%
5h. During the past year, how many times have you skipped school or a class?		83.0%		44.4%	22.2%	33.3%

Decreased Delinquent Behavior

Affiliate: Gunnison Valley Mentors

Program Effects

You'd like to see an **increase in the mean** from pre to post-test, which indicates *a reduction in acceptance of violence against others.*

Acceptance of Interpersonal Violence	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
6a. It is all right to physically beat up people who call you names.		3.42	3.54	0.12	Yes	n.s.	0.15
6b. It is ok to steal something knowing that the victim's insurance will pay for it.	1 = Strongly Agree	3.60	3.75	0.15	Yes	^	0.23
6c. If people do something to make you really mad, they deserve to be beaten up.	2 = Agree	3.42	3.54	0.12	Yes	n.s.	0.15
6d. It is ok to rob someone for money in order to buy food.	3 = Disagree	3.53	3.65	0.12	Yes	n.s.	0.17
6f. Sometimes you have to commit crimes in order to survive.	4 = Strongly Disagree	3.29	3.43	0.14	Yes	n.s.	0.12
6e. You should never beat up another person.	1 = Strongly Disagree 2 = Disagree 3 = Agree 4 = Strongly Agree	2.83	2.73	-0.10	No	n.s.	-0.12
Acceptance of Interpersonal Violence Overall Mean (excludes item 6e)		3.35	3.43	0.08	Yes	n.s.	0.13

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant

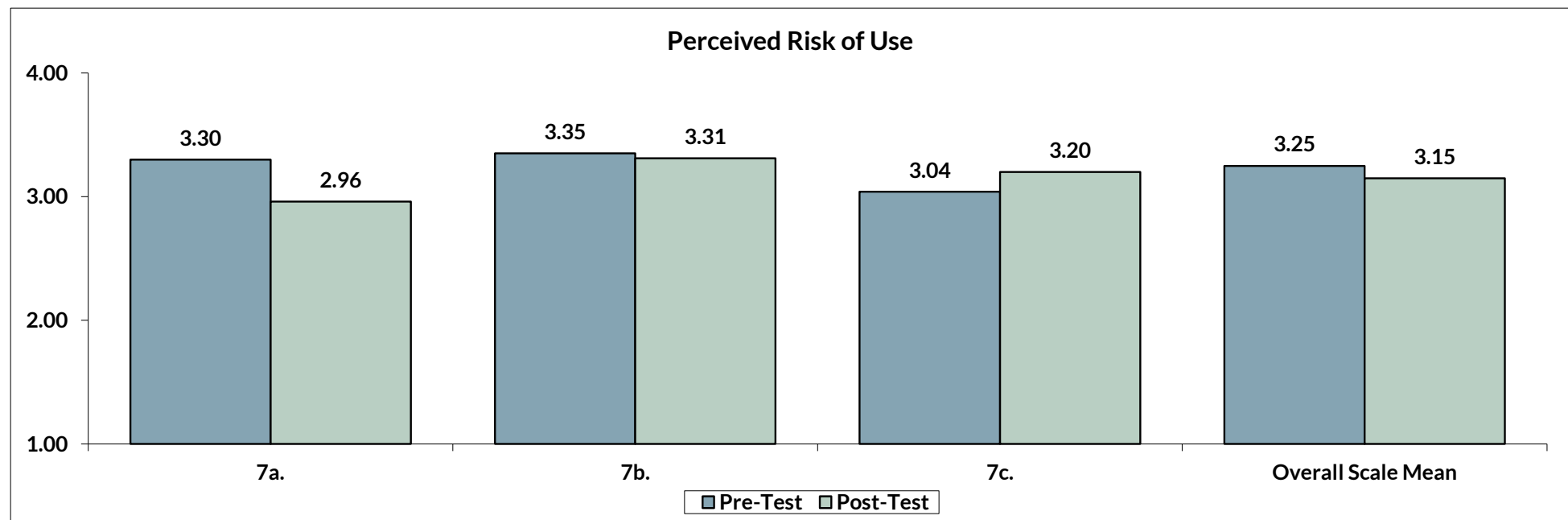
Acceptance of Interpersonal Violence
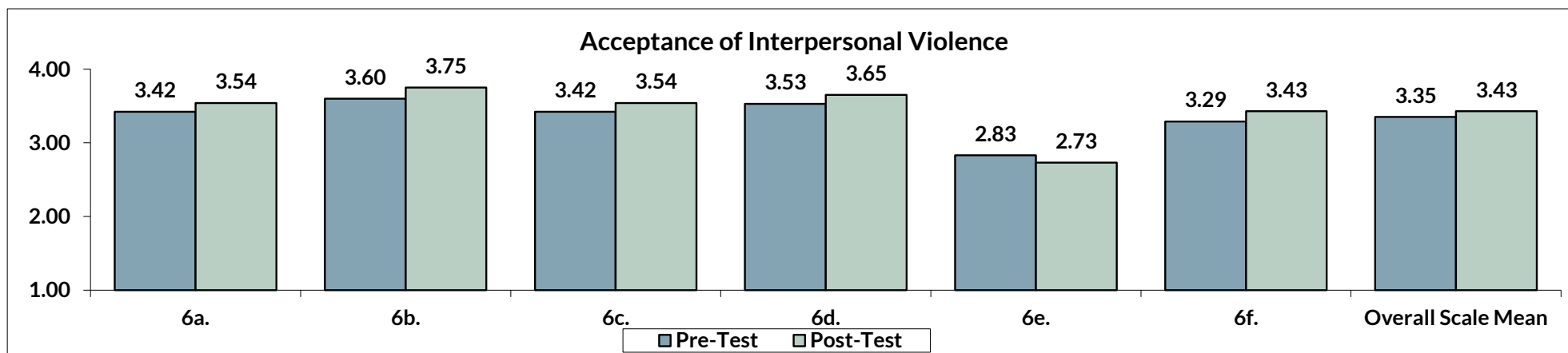
Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see a **increase in the mean** from pre- to post-test, which indicates youth have *increased their perception of the risk of ATOD use.*

Perceived Risk of Use	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
7a. How much do you think people risk harming themselves (physically or in other ways) if they have five or more alcoholic drinks once or twice a week?	1 = No Risk 2 = Slight Risk 3 = Moderate Risk 4 = Great Risk	3.30	2.96	-0.34	No	*	-0.34
7b. How much do you think people risk harming themselves (physically or in other ways) if they smoke one or more packs of cigarettes per day?		3.35	3.31	-0.04	No	n.s.	-0.04
7c. How much do you think people risk harming themselves (physically or in other ways) if they smoke marijuana once or twice a week?		3.04	3.20	0.16	Yes	n.s.	0.15
Perceived Risk of Use Overall Mean		**3.25**	**3.15**	**-0.10**	**No**	**n.s.**	**-0.11**

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant
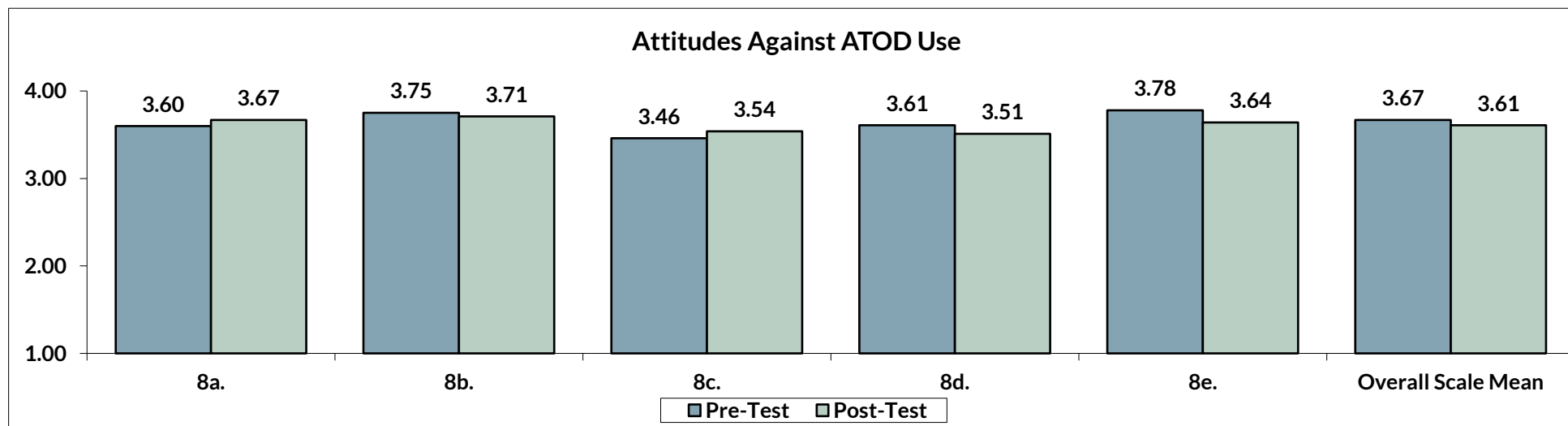
Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see a **increase in the mean** from pre- to post-test, which indicates youth have *increased their disapproval of ATOD use.*

Attitudes Against ATOD Use	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
8a. How do you feel about someone your age smoking one or more packs of cigarettes a day?	1 = Approve; Think it's OK	3.60	3.67	0.07	Yes	n.s.	0.09
8b. How do you think your close friends would feel about you smoking one or more packs of cigarettes a day?	2 = Neither Approve nor Disapprove	3.75	3.71	-0.04	No	n.s.	-0.06
8c. How do you feel about someone your age trying marijuana once or twice?		3.46	3.54	0.08	Yes	n.s.	0.09
8d. How do you feel about someone your age using marijuana once a month or more?	3 = Somewhat Disapprove	3.61	3.51	-0.10	No	n.s.	-0.11
8e. How do you feel about someone your age having one or two drinks of an alcoholic beverage nearly every day?	4 = Strongly Disapprove	3.78	3.64	-0.14	No	n.s.	-0.19
Attitudes Against ATOD Use Overall Mean		**3.67**	**3.61**	**-0.06**	**No**	**n.s.**	**-0.09**

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant

Attitudes Against ATOD Use

Affiliate: Gunnison Valley Mentors
Program Effects
You'd like to see an **increase in the mean** from pre- to post-test, which indicates youth are *making more plans for the future* .

Future Orientation	Scale	Pretest Group Mean	Posttest Group Mean	Mean Change	Desired Direction of Change?	Significance	Effect Size
11a. I plan to graduate from high school.		3.94	3.94	0.00	No Change	n.s.	0.00
11b. I plan to go to college or trade school.	1 = Strongly Disagree 2 = Disagree 3 = Agree 4 = Strongly Agree	3.55	3.70	0.15	Yes	n.s.	0.23
11c. I have a dream of a job I would like.		3.61	3.68	0.06	Yes	n.s.	0.09
11d. I think about what I will be doing six months from now.		3.00	2.97	-0.03	No	n.s.	-0.04

* indicates difference is statistically significant (p<.05); ^ indicates difference is approaching significance (p>.05, <.10); n.s. indicates difference is not statistically significant