

BIO Girls 2019 Data

Research Collaboration

This program evaluation was completed in collaboration between The University of Minnesota - Crookston and Concordia College in Moorhead, MN. Researchers involved in the project are:

Anita Gust, Ph.D.

Assistant Professor, Exercise Science and Wellness
University of Minnesota-Crookston

Darcie Sell, Ph.D.

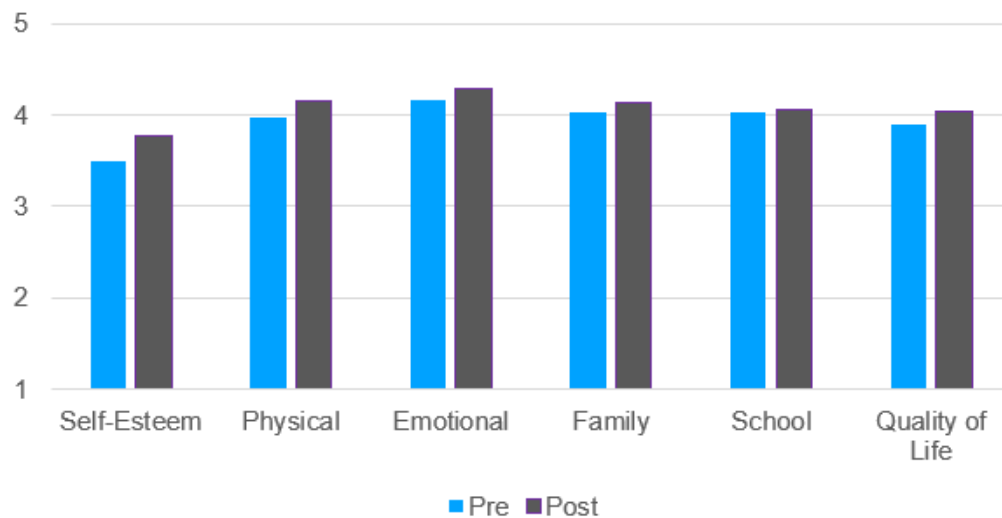
Associate Professor and Chair, Psychology
Concordia College

Claire Bias

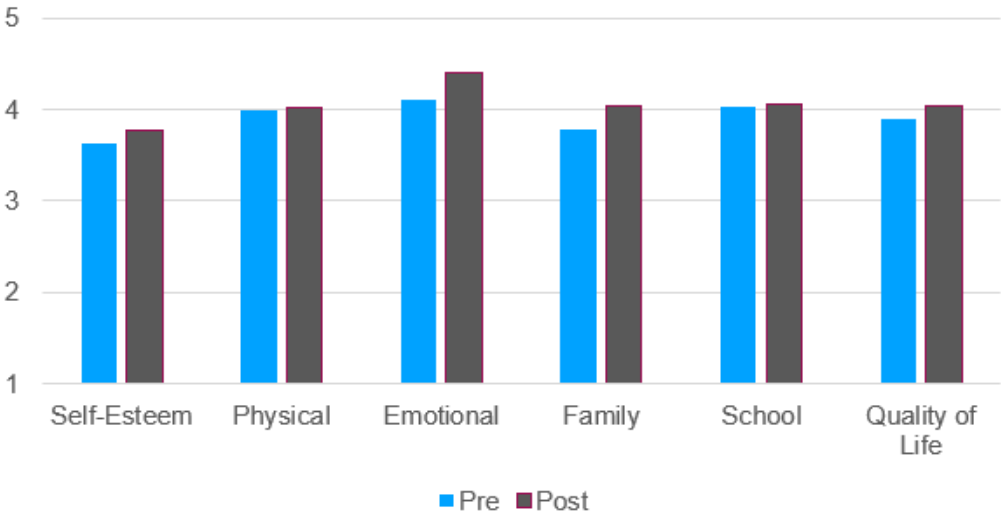
Concordia College

The statistically significant findings outlined in this document indicate that the BIO Girls program did have a meaningful effect on self-esteem and other measures of well-being.

Kindl Scores - Child



Kindl Scores - Parent



BIO GIRLS 2019 DATA

Percentage of Participants that Exhibit an Increase in Mean Answer

SUBSCALE	PHYSICAL	EMOTIONAL	SELF-ESTEEM	FAMILY	SOCIAL	SCHOOL
CHILD	44.9%	45.4%	48.4%	49.3%	44.9%	57%
PARENT	52.9%	57.8%	58.4%	49.3%	56.8%	47.2%

Mean Answers by Sub-Scale

SUBSCALE	PHYSICAL	EMOTIONAL	SELF-ESTEEM	FAMILY	SOCIAL	SCHOOL
CHILD PRE	3.99	4.18	3.49	4.04	4.02	3.74
CHILD POST	4.01	4.30	3.77	4.15	4.05	3.91
SIGNIFICANT?	no	yes	yes	yes	no	yes
PARENT PRE	3.99	4.10	3.63	3.78	3.9	4.05
PARENT POST	4.20	4.40	3.92	4.04	4.15	4.28
SIGNIFICANT?	yes	yes	yes	yes	yes	yes

These sub scales **showed** significant increase between **child** pre and post surveys: Emotional, Self-Esteem, Family, and School.

These sub scales **did not show** significant increase between **child** pre and post surveys: Physical and Social.

These sub scales **showed** significant increase between **parent** pre and post surveys: Physical, Emotional, Self-Esteem, Family, Social, And School (all sub scales).