Comparison of In-Person and Online (At-Home) Cognitive Intensive Program Results

Background

The Cognitive Intensive Program strengthens the cognitive function of Symbol Relations related to logical reasoning, comprehension, and processing speed. For students 15 years and older, the In-Person model involves completing 135 hours in total of the cognitive program over 6 weeks and the Online at-home model involves 135 hours in total over 8 weeks. Younger students complete 90 hours of the cognitive program over these time frames.

In 2020 and 2021, due to COVID, it was necessary to conduct the Cognitive Intensive Program online. At the conclusion of the program period at all sites, progress results were compared between the 2020 and 2021 online students and the in-person students in 2019.

An analysis of the data from 2019 (in-person) and 2020 (online) and 2021 (online) for CIP was completed to investigate if there is a difference in student outcomes for the two delivery modes – in-person and online.

Participants

In 2019 there were 123 students, in 2020 there were 129 students and in 2021 there were 108 students for whom we had data.

Data Analysis

The following data was analyzed:

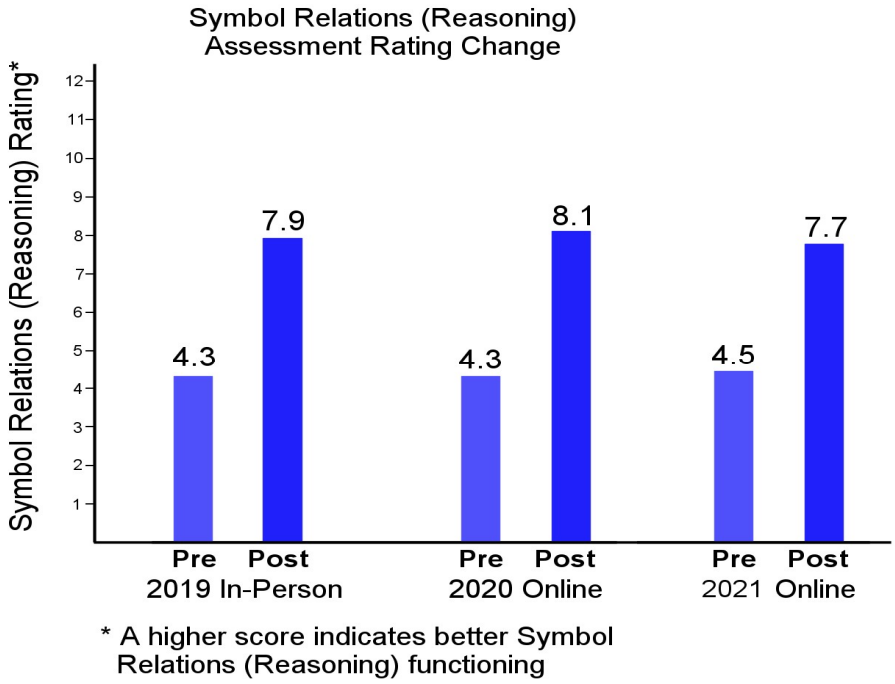
- Progress - % of masteries
- Rating Change on the Assessment

On analysis of the data sets (progress and rating change on assessment), no significant difference was found between the two forms of delivery. Interesting, the starting degree of severity in the three years was similar on our symbol relation assessment, so the groups on average were similar at the outset and they made the same degree of change in each year.

The graph below shows the improvement on the assessment in each of the three years which is virtually identical in terms of starting point and ending point.

Summary

An analysis of student progress data for students engaged in Arrowsmith's Cognitive Intensive Program delivered in-person (2019) and online (2020 and 2021) shows that there is no significant difference between the two delivery modes, with both producing virtually identical gains for the students.



* A higher score indicates better Symbol Relations (Reasoning) functioning