



# Colorado Science and Engineering Fair

## 2025 Individual Project Abstract Form

**Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.**

Title of Project: ADHD in the San Luis Valley

Finalist's Name: Lydia Boyd

School and City: Monte Vista High School, Monte Vista

Sponsor's Name: Loree Harvey

Category: Behavioral & Social Sciences

Division: Senior (grades 9 - 12)

Abstract (250 words or less):

ADHD is a type of neurodivergence that has become more prevalent over the last thirty years. This trend doesn't mean that more people are manifesting ADHD, rather science has progressed enough to make it easier to identify and diagnose ADHD. As of a survey collected in 2022, only roughly seven million U.S. children ages 3–17 years have ever been diagnosed with ADHD. (CDC, 2024) The purpose of this study was to identify any correlation between outside factors and ADHD behaviors in the Monte Vista community. T-Tests and Pearson's Correlation tests were run on data collected from surveys created with help from a physician mentor. There was only one significant correlation between age and total number of ADHD behaviors. All other tests had no significant differences or correlations. There was a slight trend between the total number of ADHD behaviors and annual household income. Even though there is evidence of ADHD behaviors in the Monte Vista community there is not strong support that ADHD is a great deal higher than State or National averages. Thirteen of the 75 participants reported ADHD in their households. Although this represents 17.34% (which is above the State average of 7%) small sample size and inaccurate reporting may have inflated this percentage on my surveys. The results of this experiment can be used by physicians to further identify correlations between ADHD behaviors and outside factors. In turn, this would advance their ability to detect and diagnose ADHD in children and teens around the nation.

*I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.*

Finalist's Signature:

Date:

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. **A signed copy of this form must be included in your notebook.**