



Colorado Science and Engineering Fair

2024 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: Crazy Concussions

Finalist's Name: Brysan Medina

School and City: Sargent, Monte Vista

Sponsor's Name: Terri Paulson

Category: Behavioral & Social Sciences (BEHA)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

I chose my project to bring awareness to concussions. I conducted my research through multiple sources including first-hand accounts in surveys. I learned through the course of my research that the most common symptoms of a concussion were headaches, nausea, memory issues, and fatigue. These were also the most common symptoms reported in my survey.

Research shows that people can experience symptoms for years, which is called post-concussion syndrome. I formed my hypothesis on the idea that the more concussions someone has, the more likely they are to have prolonged symptoms.

Before the start of my project, I believed that concussions were caused mostly by sports. I was surprised to learn that out of the 5.7 million reported concussions a year, they are most commonly caused by falls.

Another surprising fact was that wrestling had a higher number of concussions than any other sport.

Although concussions can be dangerous, there are many ways to prevent them. Taking precautions for safety is the main way to do so. The most dangerous part of a concussion is getting another head injury soon after the first. This is called secondary impact and can be deadly.

In conclusion, my hypothesis was proven wrong. I learned that for the people who took my survey, the number of concussions did not affect the severity of symptoms. My research proved that people who had suffered concussions more recently had far worse symptoms than those who had had multiple concussions.

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.