



# Effects of the Number of Siblings on Personality Type

Kylie Ngo

North Bay Haven, Panama City, Florida

For more information, contact:  
Kylie Ngo  
northbayhaven.org  
(850)348-6297  
xngokn@bayhaven.org

## Abstract

**Objective:** The objective of this research is to fill the gap in existing research, and find the correlation between the number of siblings someone has and the personality traits they developed, based off of the MBTI test.

**Methods:** quantitative and qualitative data collected from a survey

**Results:** The results revealed that only children and students with 3-5+ siblings tended to be extroverts, and that students with 1-2 siblings tended to be introverts. There was no explanation for the patterns noticed for only children.

## Limitations

- small sample size (109 participants)
- possible percentage of participants who didn't take survey seriously
- rural area

## Implications

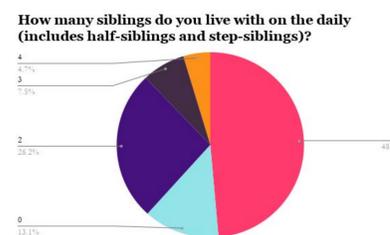
Students with less siblings tend to hold the introvert trait, assuming this is because they get more attention from their parent(s) than a student with 3-5+ siblings. This would cause them to seek less attention since they already receive plenty of it. The same principle applies to students with an abundance of siblings: they would seek more attention due to the fact that they receive too little.

## Applications

This study can be used as a basis for future research in areas with more diversity in culture.

## Data

Below is a sample graph composed of the data from the survey handed out. This data simply explains the trends explained aforementioned.



Number of Siblings Participants Live With on a Daily Basis	0	1	2	3	4	5+
Extroverts	18.4%	44.9%	18.4%	10.2%	4.1%	2.0%
Introverts	8.3%	50.0%	31.7%	5.0%	3.3%	1.7%

## Analysis

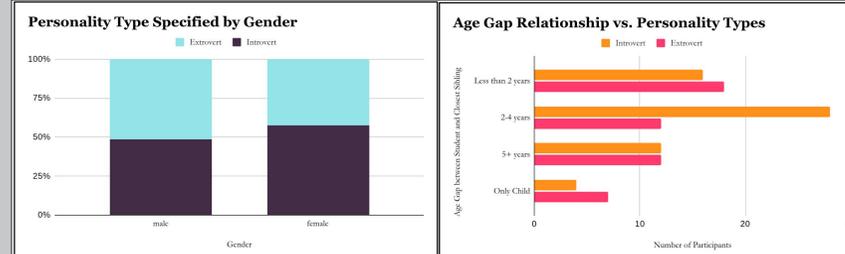
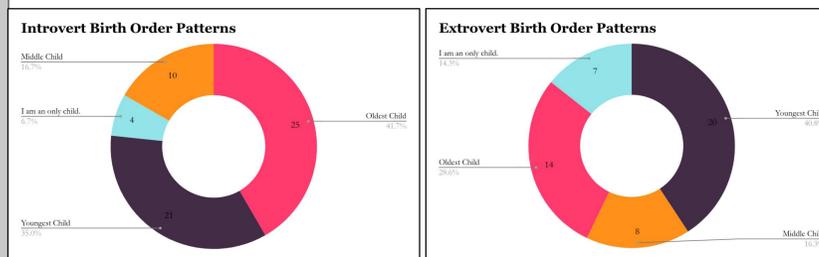
There's a large amount of students with only 1 sibling, so comparing the percentages rather than looking at each personality trait individually gave the best results.

## Other Factors

To make sure more than just one factor was accounted for, other data was collected to display trends that could've been effective on the results.

### Household Trends by Personality

	split	whole
introvert	26.7%	73.3%
extrovert	24.5%	75.5%



## Discussion of Factors

- **Household Status:** We can see that both introverts and extroverts have similar percentages to one another. This would make the assumption that household status has little to no effect on personality type.
- **Birth Order:** The assumption can be made that there is a correlation between birth order and personality traits. This can possibly be explained by the fact that older children must take more responsibility, so they lean away from people to find peace, and younger children are used to having less responsibility, so they tend to look for more to keep themselves busy.
- **Gender:** The chart shows that females are slightly more likely to be introverted rather than extroverted.
- **Age Gap Relationship:** Introverts are more likely to hold a relationship with siblings with a 2-4 years age difference, whereas extroverts hold closer relationships with any siblings, as the data is all within proximity. Perhaps introverts find it easier to form bonds with people not within their age group than within. This could be because of the maturity level or just a general outlook on life. As for extroverts, they can make those bonds with anyone, so we see they probably tend to form those relationships with siblings in any age group.