|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Response Option** |  |
| **Symptom** | **Mean** | **SD** | **SEM** | **Skew** | **Kurtosis** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **#report** |
| Headache | 1.86 | 1.85 | .26 | .54 | -.79 | 20 | 3 | 7 | 11 | 4 | 3 | 2 | 30 |
| Nausea | .32 | 1.08 | .15 | 3.50 | 11.45 | 45 | 1 | 1 | 0 | 2 | 1 | 0 | 5 |
| Vomit | .20 | .81 | .11 | 4.45 | 19.41 | 46 | 2 | 0 | 0 | 2 | 0 | 0 | 4 |
| Balance | .60 | 1.05 | .15 | 1.99 | 3.45 | 33 | 10 | 3 | 2 | 2 | 0 | 0 | 17 |
| Dizziness | .52 | 1.00 | .14 | 2.28 | 5.02 | 35 | 9 | 3 | 1 | 2 | 0 | 0 | 15 |
| Fatigue | 1.00 | 1.55 | .22 | 1.43 | .90 | 31 | 5 | 5 | 4 | 2 | 3 | 0 | 19 |
| Trouble Fall Asleep | 1.16 | 1.60 | .23 | 1.11 | -.13 | 28 | 6 | 5 | 4 | 5 | 2 | 0 | 22 |
| Sleep More | .36 | .99 | .14 | 3.21 | 10.94 | 42 | 3 | 2 | 2 | 0 | 1 | 0 | 8 |
| Sleep Less | .68 | 1.46 | .21 | 2.09 | 3.19 | 39 | 2 | 2 | 3 | 1 | 3 | 0 | 11 |
| Drowsiness | .90 | 1.36 | .19 | 1.71 | 2.32 | 28 | 11 | 5 | 2 | 2 | 2 | 0 | 22 |
| Light Sensitivity | .90 | 1.40 | .20 | 1.80 | 2.69 | 29 | 9 | 7 | 1 | 1 | 3 | 0 | 21 |
| Noise Sensitivity | .88 | 1.52 | .22 | 1.70 | 1.72 | 33 | 6 | 3 | 3 | 2 | 3 | 0 | 17 |
| Irritability | 1.30 | 1.56 | .22 | .90 | -.40 | 24 | 7 | 7 | 6 | 4 | 2 | 0 | 26 |
| Sadness | .50 | .97 | .14 | 2.28 | 5.21 | 36 | 7 | 5 | 0 | 2 | 0 | 0 | 14 |
| Nervousness | .74 | 1.34 | .19 | 2.10 | 4.52 | 34 | 5 | 6 | 2 | 2 | 0 | 1 | 16 |
| More Emotional | .58 | 1.14 | .16 | 1.92 | 2.50 | 37 | 5 | 2 | 4 | 2 | 0 | 0 | 13 |
| Numbness/Tingling | .28 | .76 | .11 | 2.71 | 6.40 | 43 | 2 | 3 | 1 | 0 | 0 | 0 | 7 |
| Feeling Slowed Down | .98 | 1.36 | .19 | 1.50 | 1.28 | 25 | 15 | 2 | 3 | 4 | 1 | 0 | 25 |
| Mentally Foggy | .88 | 1.35 | .19 | 1.37 | .56 | 31 | 6 | 6 | 2 | 5 | 0 | 0 | 19 |
| Difficulty Concentrating | 1.32 | 1.61 | .23 | .95 | -.32 | 24 | 8 | 5 | 7 | 3 | 3 | 0 | 26 |
| Difficulty Remembering | 1.22 | 1.48 | .21 | 1.00 | -.01 | 24 | 8 | 7 | 7 | 2 | 2 | 0 | 26 |
| Visual Problems | .34 | .82 | .12 | 2.48 | 5.17 | 41 | 4 | 2 | 3 | 0 | 0 | 0 | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL SCORE | 17.52 | 17.52 | 2.48 | 1.32 | 1.58 | 6 |  | Range = 0 - 73 |  |  | 44 |

N=44 of 50 (88%) of patients completing ImPACT symptom scale close to NP test date reported experiencing at least one symptom

**Symptoms Listed Most to Least Commonly Reported on ImPACT Testing Completed Near NP Test Date**

1. Headache (30)

2. Difficulty Concentrating, Difficulty Remembering, Irritability (26)

3. Feeling Slowed Down (25)

4. Trouble Falling Asleep, Drowsiness (22)

5. Light Sensitivity (21)

6. Fatigue, Mentally Foggy (19)

7. Balance, Noise Sensitivity (17)

8. Nervousness (16)

9. Dizziness (15)

10. Sadness (14)

11. More Emotional (13)

12. Sleep Less (11)

13. Visual Problems (9)

14. Sleep More (8)

15. Numbness/Tingling (7)

16. Nausea (5)

17. Vomit (4)

**Correlations between Adolescent and Parent BASC subscales**

Anxiety: *r* = .55, p = .00; ρ = .56, p = .000

Depression: *r* = .38, p = .01; ρ = .32, p = .03

Atypicality: *r* = .08, p = .59; ρ = .06, p = .67

Somatization: *r* = .37, p = .01; ρ = .37, p = .01

Attention Problems: *r* = .40, p = .005; ρ = .41, p = .004

Hyperactivity: *r* = .29, p = .045; ρ = .26, p = .12

**Paired *t*-tests Adolescent and Parent Subscales (Bonferroni Correction: significant p-value: .008)**

Anxiety: t = -0.33, p = .75

Depression: t = -2.63, p = .012

Atypicality: t = -3.20, p = .002

Somatization: t = -0.98, p = .92

Attention problems: t = 0.74, p = .47

Hyperactivity: t = 0.39; p = .70

**Examining the correlations between:**

* Total Number of co-occurring conditions
* ImPACT total Sx score at NP testing
* BASC A anxiety CS
* BASC A depression CS
* BASC A somatization CS
* BASC A attention problems CS
* BASC A Hyperactivity CS
* BASC A Internalizing problems CI
* BASC A inattention/hyperactivity CI
* BASC A emotional Sx index CI
* BASC A personal adjustment CI

Significant correlations are observed between Total # symptoms and all other variables EXCEPT somatization CS and hyperactivity CS (borderline p = .052)

Significant Correlations were observed between ImPACT total Sx score (closest to NP testing) and:

* Total # of occurring symptoms
* Somatization CS
* Attention problems CS
* Internalizing problems CI
* Inattention /hyperactivity CI

**Controlling for age:**

Total # co-occurring conditions is NOT correlated to NP total Sx score or any of the BASC subscales

NP Total Sx score remains significantly correlated with BASC somatization CS, attention problems CS, inattention/hyperactivity CI, and internalizing CI is borderline significant (p=.054)

**Controlling for gender:**

Total # co-occurring conditions is NOT correlated to NP total Sx score or any of the BASC subscales

NP Total Sx score remains significantly correlated with BASC somatization CS, attention problems CS, hyperactivity CS, inattention/hyperactivity CI, and internalizing CI is borderline significant (p = .052)

Controlling for age and gender simultaneously the results are exactly the same as when controlling for only one of these variables EXCEPT internalizing CI is no longer borderline significant

**Independent t-tests with gender as grouping variable:**

No significant differences were observed between genders for any of the variables included in the correlational analysis above