Supplement 1 closer look at retention rate and attrition based on type of disability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Autoimmune diseases** | **observed** | **expected** | **difference** | **Diffrences2** | **Diffrences2/expected** |
| Girls 12/13 | 107.00 | 107.00 | 0.00 | 0.00 | 0.00 |
| Girls14/15 | 82.00 | 97.45 | 15.45 | 238.81 | 2.45 |
| Girls 17 | 68.00 | 64.93 | -3.07 | 9.42 | 0.15 |
| Boys 12/13 | 92.00 | 92.00 | 0.00 | 0.00 | 0.00 |
| Boys14/15 | 68.00 | 88.41 | 20.41 | 416.52 | 4.71 |
| Boys 17 | 38.00 | 43.14 | 5.14 | 26.43 | 0.61 |
| sum | 455.00 | 492.93 | 37.93 | 1439.01 | **7.92** |
|  |  |  |  |  |  |
| **Physical disabilities** | **observed** | **expected** | **difference** | **Diffrences2** | **Diffrences2/expected** |
| Girls 12/13 | 75.00 | 75.00 | 0.00 | 0.00 | 0.00 |
| Girls14/15 | 58.00 | 68.31 | 10.31 | 106.27 | 1.56 |
| Girls 17 | 38.00 | 45.93 | 7.93 | 62.83 | 1.37 |
| Boys 12/13 | 55.00 | 55.00 | 0.00 | 0.00 | 0.00 |
| Boys14/15 | 39.00 | 37.48 | -1.52 | 2.32 | 0.06 |
| Boys 17 | 22.00 | 24.74 | 2.74 | 7.52 | 0.30 |
| sum | 287.00 | 306.46 | 19.46 | 378.52 | **3.29** |
|  |  |  |  |  |  |
| **NDD** | **observed** | **expected** | **difference** | **Diffrences2** | **Diffrences2/expected** |
| Girls 12/13 | 67.00 | 67.00 | 0.00 | 0.00 | 0.00 |
| Girls14/15 | 47.00 | 61.02 | 14.02 | 196.63 | 3.22 |
| Girls 17 | 30.00 | 37.22 | 7.22 | 52.08 | 1.40 |
| Boys 12/13 | 82.00 | 82.00 | 0.00 | 0.00 | 0.00 |
| Boys14/15 | 58.00 | 78.80 | 20.80 | 432.61 | 5.49 |
| Boys 17 | 30.00 | 36.80 | 6.80 | 46.20 | 1.26 |
| sum | 314.00 | 362.83 | 48.83 | 2384.84 | **11.37** |

Supplement 2. Differences of mean values of mental health problem scales at 12/13 years and responding or not at later wave

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Response** |  | **No response** | | ***difference*** | |
|  | **mean** | **SD** | **mean** | **SD** | **T-test** | **sign.** |
| *Values at 12/13 years based on response rates at 14/15 years* | | | | | | |
| total difficulties | 19.30 | 4.92 | 20.04 | 5.03 | 2.47 | 0.01 |
| emotional | 2.62 | 2.16 | 2.68 | 2.14 | 0.47 | 0.64 |
| peer problems | 5.77 | 1.47 | 5.95 | 1.58 | 1.88 | 0.06 |
| hyperactivity | 7.42 | 2.05 | 7.75 | 2.08 | 2.58 | 0.01 |
| conduct | 3.48 | 1.51 | 3.64 | 1.57 | 1.74 | 0.08 |
| impact | 0.21 | 0.90 | 0.28 | 1.10 | 1.20 | 0.27 |
| Prosocial | 7.60 | 1.78 | 7.63 | 1.81 | 0.32 | 0.75 |
| Psychosomatic complaints | 1.02 | 1.60 | 1.08 | 1.68 | 0.66 | 0.51 |
| *Values at 12/13 years based on response rates at 17 years* | | | | | | |
| total difficulties | 19.30 | 4.92 | 20.04 | 5.03 | 2.47 | 0.01 |
| emotional | 2.61 | 2.16 | 2.66 | 2.15 | 0.49 | 0.63 |
| peer problems | 5.77 | 1.48 | 5.86 | 1.52 | 1.19 | 0.24 |
| hyperactivity | 7.31 | 2.02 | 7.71 | 2.09 | 3.71 | 0.00 |
| conduct | 3.39 | 1.45 | 3.65 | 1.59 | 3.35 | 0.00 |
| impact | 0.16 | 0.81 | 0.31 | 1.09 | 2.96 | 0.00 |
| Prosocial | 7.72 | 1.69 | 7.49 | 1.88 | -2.41 | 0.02 |
| Psychosomatic complaints | 0.97 | 1.54 | 1.11 | 1.69 | 1.71 | 0.09 |