### **Table 1:Cochran's Q Assumptions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assumption** | **How assumption is tested/determined** | **If test statistic - Value** | **Significance**  **(p-value)** | **Assumption met?**  **Yes or No** |
| 1-Dependent (dichotomous) variable | Inherent in data set (passed vs failed) |  |  | Yes |
| 1-Mutually exclusive response | Inherent in data set (passed or failed) |  |  | Yes |
| 1-The response is a repeated measure | Inherent in data set |  |  | Yes |
| 2-an independent variable with 3 or more groups | Inherent in data set (pre, post,9mo-post) |  |  | Yes |
| 3-sample is randomly obtained | Inherent in data set (health pros sampled) |  |  |  |
| 4-sample size is large enough for accurate comparison (N >=4, where n is the # of discordant responses and Nk >=24, where k=# of levels of the independent variable) | N (35) >= 4.  Nk (35\*3=105) >=24  See in [table](#_Discordant_test_num) below. |  |  | Yes |

## **Table 2: McNemar’s Assumptions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assumption** | **How assumption is tested/determined** | **If test statistic - Value** | **Significance**  **(p-value)** | **Assumption met?**  **Yes or No** |
| Dependent (dichotomous & mutually exclusive) variable | Inherent in data set (passed vs failed) |  |  | Yes |
| Repeated measures | Inherent in data set |  |  | Yes |
| Independent variable with 2 categorical related groups or matched pairs | Inherent in data set (pre vs post, pre vs 9mo-post, post vs 9mo-post) |  |  | Yes |
| Subjects are randomly selected | Inherent in data set |  |  | Yes |