Flex Modules: Pre-/Post-test Interpretation

This test queries shifts in participant beliefs, attitudes and motivations related to driving impaired (i.e., Factor 1) as well as specific knowledge acquisition related to Journal content covered in the Flex Modules Journals (i.e., Factors 2-7). For this reason, we recommend scoring Factor 1 separately from the remaining factors.

Factor 1: Beliefs about change (Items 1-10)

Items 1-10 are scored on a scale of 5-1 (a=5, b=4, c=3, d=2, e=1).

Summing the scores for items 1-10 yields a score ranging from 10 to 50.

A change in pre-test to post-test scores reflects a change in beliefs, attitudes, motivation and behaviors related to changes in drinking and driving behavior. The following are provided as general guidelines for interpretation of scores, but it is wise in an individual case to examine individual item-level responses for additional information.

High scorers acknowledge that they are having problems related to drinking and driving, are expressing a desire and plan for change, and perceive that harm will continue if they do not change.

Low scorers report that they are not currently doing things to change their drinking and driving behavior, are not expressing a desire or commitment to change, and less awareness of problem recognition and need for changes.

Factors 2-7: Journal Specific Knowledge Acquisition (Items 11-34)

Items 11-34 are scored as right or wrong with one point per person. Each factor in factors 2-7 will have a total factor score between 0-4. For instance, if a participant answered items 11-14 correctly, they would have a factor 2 score of 4, indicating greater knowledge specific to Journal content key objectives. We recommend that facilitators sum each of these factors separately as they relate to the specific Journals used in your program curriculum.

Factor 2: Alcohol, Drugs, Driving and You (Questions 11-14)

Factor 3: Why Am I Here? (Questions 15-18)

Factor 4: Feelings and Behavior (Questions 19-22)

Factor 5: Change vs. Consquences (Questions 23-26)

Factor 6: My Personal Change Plan (Questions 27-30)

Factor 7: Use, Misuse and Problem Use (Questions 31-34)

Higher scores reflect acquisition of knowledge covered in the specific Journal; lower scores reflect lack of knowledge acquisition.

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Data Entry and Analysis

To understand changes in scores in participants completing the program, the appropriate statistical test is a paired t-test. A paired t-test measures whether means from a within-subjects test group vary prior to and after being exposed to the Flex Modules curriculum.

We recommend you store participant summary data at an item level (i.e., with all 34 items individually entered) to allow computation of Factor 1 scores and Journal-specific scores in an electronic spreadsheet, assigning patients a unique ID and storing data without identifying information for HIPAA compliance reasons. Note that in order to complete this analysis you must have matched data, meaning the same identifier must be used for patients at each time point.

Train for Change Inc® offers comprehensive evaluation and reporting packages. Please contact The Change Companies® (contact@changecompanies.net) for further information.

Reporting Scores

A paired-samples t-test was conducted to compare pre and post test scores for (n=xx) people participating in our impaired driving program that utilized The Change Companies®' Flex Modules curriculum. There was a (significant/not a significant) difference in pre-test scores (M = ___, SD = ___) and post-test scores (M = ___, SD = ___);
t(___) = ___, p = ___.