Title: Assessing the joint application of PRECDE-PROCEED model and theory reasoned action (TRA) on promoting safety and workplace related behaviors

Abstract: ABSTRACT:
Introduction:
According to results due to analysis of thousands occurred accidents in industry, it may be found that about 85% to 95% of all accidents are because of unsafe behaviors, so focusing on educational interventions in workplace is the most important way to increase safe behaviors and to prevent accidents; hence this study aims at analyzing improved safe behaviors of workers using combination of Precede-Proceed Model and Reasoned Action Theory.

Methods and Materials
This study was a quasi-experimental study which conducted as pretest-post test through Salmon Method. A number of 85 workers of Borujerd Textiles Factories were employed in this study. Questionnaires and behavior observation checklists were used to collect required data. The required substantial data for intervention planning were resulted based on findings due to conducting four first phases of precede-proceed model. After that, while emphasizing on combination of Precede-Proceed Model and Reasoned Action Theory the intervention plan was designed. The aforementioned intervention was implemented through group discussion method as well as distributing training pamphlets and education via spouses. Then after 1 month education and 3 months after that, the information was recollected.

Results
The mean difference of acquired scores by groups 1 and 3, prior to education was not significant. Likewise, the mean of acquired score for all four groups, 1 month after education, was significant. On the other hand, three months after intervention, there was a significant difference between acquired scores by different groups.

Discussion and Conclusion
The impact of combined model application on improvement, and maintenance of safe behaviors of such workers is confirmed. On the other hand, after three months the difference amongst acquired scores by the participant groups in intervention (1 and 2) and control groups (3 and 4) rather 1 month after education represent necessity of educational plans continuance to improve workers’ safe behaviors.

Keywords: PRECDE-PROCEED, theory reasoned action (TRA), promoting safety behavior, worker, presentation: Poster