

Table 1. Relationship between personality psychology and final achievement in English translation.

		Experience openness	Conscientiousness	Extraversion	Agreeableness	Nervous
Those with lower scores of personality traits (less than 50%)	Average score	82.57	81.49	84.16	82.37	80.91
	Proportion of people with score higher than 80	60.90	62.40	90.20	70.90	69.40
Those with higher scores of personality traits (more than 50%)	Average score	83.07	84.62	82.14	80.26	83.17
	Proportion of people with score higher than 80	79.50	80.40	36.10	62.30	70.20

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ROLE OF SAFETY PSYCHOLOGY IN THE FATIGUE RELIEF OF CONSTRUCTION WORKERS

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Background: Fatigue of construction workers is one of the most common physiological and psychological phenomena that operators appear in construction. This kind of physiological and psychological fatigue phenomenon seriously affects the work efficiency and production safety. With the development of construction industry and the acceleration of urbanization; Due to the labor shortage in the construction industry has been highlighted, the existence of workers working overtime for a long time, high labor intensity work, coupled with the existence of some construction projects to seize the time, schedule, and high-altitude work, resulting in long-term physical fatigue and psychological fatigue of workers. The production safety accidents caused by this kind of people's unsafe factors are more frequent, increasing the construction cost. The difficulty of enterprise safety management also puts forward new issues and challenges to the safety production management of construction enterprises. Therefore, it is necessary to study the mental fatigue of construction workers with the method of safety psychology.

Objective: Psychology is a science that studies people's psychological law and mechanism. Safety psychology is a science that studies people's psychological state and its development and change in production activities. It can predict and prevent accidents more accurately by suggesting people's psychological characteristics, such as interest, hobby, character, emotion, motivation, attitude and ability. Strengthening the research of safety psychology plays an important role in training the safety consciousness of workers, overcoming the psychological factors of irrational behavior and improving the safety coefficient. Aiming at the safety accidents caused by the fatigue of construction workers, this paper analyzes the fatigue of construction workers from the aspects of physiological fatigue, psychological fatigue, fatigue process and fatigue degree, and starts from the natural construction environment of the construction site, the influence of high-altitude construction conditions, vertical cross and repeated construction operations, This paper analyzes and determines the fatigue factors of construction workers, and puts forward the ways to prevent and reduce fatigue and safety management methods in construction.

Subjects and methods: The author adopts the interview method to understand the psychological changes of the construction workers who have accidents, and analyzes the psychological state, emotion, individual psychological characteristics, behaviors and habits of the main responsible persons before the accident.

Study design: Using the method of interview, one-to-one interview with 20 main responsible persons of construction work in a province, to understand the psychological state of construction workers before the accident, combined with their own habits, personality, etc., to deeply analyze the causes of the accident.

Methods: The results of the psychological characteristics obtained by the interview are statistically sorted out by SPSS13.0 software, and the reasons and the changing rules of the accidents are clarified by using the theoretical analysis of safety psychology.

Results: It is of great significance to study and understand the individual psychological characteristics of workers for carrying out safety education, mastering people's psychological activities for their own safety and collective safety, finding people's unsafe behavior and psychological state in time, and reducing the

occurrence of accidents.

The results of psychological characteristics of 20 main responsible persons of the accident are shown in Figure 1.

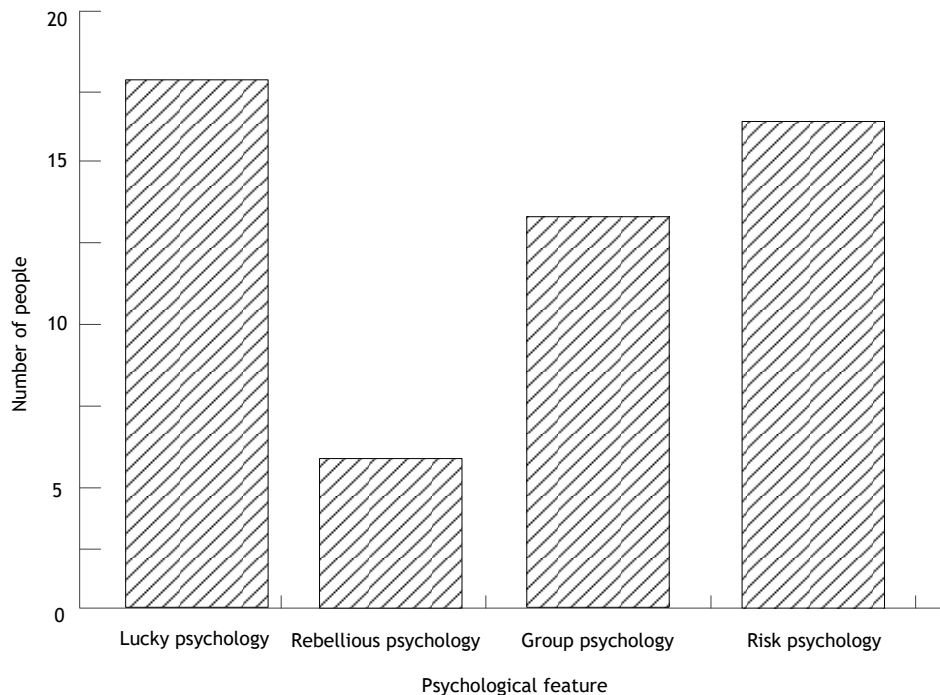


Figure 1. Statistics of psychological characteristics of the main responsible persons of the accident.

The paper analyzes the accident by using the theory of safety psychology, finds out the cause and the change rule of the accident through a large amount of original data and data, and studies and analyzes the unsafe behaviors and psychological state of the staff. The psychological characteristics of the construction personnel are mainly fluke Psychology (18), risk Psychology (15), conformity Psychology (13 people) and counter reaction Psychology (6 people). It is not uncommon in the construction industry to knowingly violate the rules and regulations, and the damage it causes to the state, enterprise property safety, employees and their families is obvious to all and countless. Therefore, we must strengthen the safety psychological education of employees, cultivate good psychological quality, enhance the ability of accident prevention, strengthen the learning and training of new technology, reduce the inappropriate “experience” interference, increase the supervision of violation of regulations, and establish an effective supervision mechanism.

Based on the above analysis, the most suitable preventive measures are obtained, including: (1) Strengthen the safety psychological quality of operators through psychological safety training. (2) Through the analysis of the psychological state and characteristics of the operators, the safety awareness of the operators was improved. (3) The safety psychology and attitude of the operators are corrected through the training of safety psychology. (4) Through the training of safety psychology to control the unsafe behavior of operators. (5) Through safety psychology training to improve the safety skills of operators. (6) Using the theory of safety psychology to improve the level of safety management.

Conclusions: In building construction, people’s psychological activity is a very complex thinking process. It not only varies with people, time and events, but also is easily affected and restricted by external conditions and their changes. Therefore, we should attach great importance to safety education in construction site. The overall improvement of the comprehensive quality of construction personnel is regarded as the central task of creating a safe, harmonious, civilized and orderly production and living environment, so as to make the safety management further tend to be standardized, scientific, systematic and modernized, and realize the improvement of safety management level.

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INFLUENCE OF POSITIVE PSYCHOLOGY ON THE EDUCATIONAL DEVELOPMENT OF