



Journal of Fundamentals
of Mental Health



Mashhad University
of Medical Sciences



Psychiatry and Behavioral Sciences
Research Center

Brief Report

Comparison of lifestyle and mental health among physical training teachers and other teachers in Birjand city

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Abstract

Introduction: This study aimed to compare the lifestyle and mental health of male and female physical training and non-physical training teachers in Birjand city.

Materials and Methods: This is a causal-comparative study. The statistical population consisted of all physical training and the other teachers of Birjand city in the academic year of 2014-2015. So, 198 cases (99 physical training teachers and 99 non-physical training teachers) were selected by randomized cluster sampling. They responded to Goldberg (1972) General Health Questionnaire and Noorbakhsh et al. (2005) Lifestyle Scale. The data were analyzed using Pearson correlation coefficient statistical test and independent T-test.

Results: There is a significant and inverse relationship between lifestyle and its dimensions (physical activity, beliefs and attitudes, health and family relationships) and the score of mental health ($P < 0.05$), and there is no significant relationship between lifestyle dimensions (leisure activities, nutrition, physics and appearance) and mental health. Also, there was a significant difference between physical training and non-physical training teachers in terms of lifestyle and mental health ($P < 0.05$), and the average score of lifestyle and mental health of physical training teachers was higher than non-physical training teachers. In addition, there was a significant difference between male and female teachers in terms of mental health, and men had higher mental health.

Conclusion: According to the results of the research, the physical training teachers have higher mental health and better life style compared to the other teachers so it seems that exercise should be considered as part of the general education program.

Keywords: Life style, Mental health, Physical training

Please cite this paper as:

Siyami M, Salari A, Samadieh H. Comparison of lifestyle and mental health among physical training teachers and other teachers in Birjand city. *Journal of Fundamentals of Mental Health* 2017 Nov-Dec; 19(6): 491-5.

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Received: Oct. 31, 2016

Accepted: Aug. 07, 2017

this regard, Kossek and Ozeki (7) also state that depression, anxiety, insomnia, anger, pessimism, fatigue, excitement, leaving education, etc. are the issues that 25% of teachers of the United Kingdom suffer from and less than half of the pressures of teachers' lives are due to their jobs, which implies that this job has too many pressures and causes a low average of health. Yasushi (8) states that working conditions and lifestyle are correlated with mental health. Sarlio, Lehei and Roos (9) also found that poor mental health is associated with an inappropriate and unhealthy lifestyle. So, considering to the connection between lifestyle and mental health and comparing it among physical training and non-physical training teachers can provide good information for senior managers of the organization to making decision and to adopt appropriate strategies to improve the level of productivity and well-being. The necessity of this study was felt to be able to identify effective and destructive factors on mental health and ways of coping with it and suggest an appropriate organization with it.

Materials and Methods

This research is a causal-comparative research. The statistical population of this study concluded all the physical training and non-physical training teachers of Birjand city in 2014-2015. The sample consisted of 198 cases (99 physical training teachers and 99 non-physical training teachers) were selected through randomized cluster sampling.

Research instrument

A) *Mental Health Questionnaire*: To measure mental health, the Goldberg General Health Questionnaire (1972) was used. This questionnaire has 28 questions and 4 sub-scales, physical signs, anxiety, sleeping problems, social dysfunction and depression. The 28-item form used for this study which translated by Dadsetan for the first time in Iran. This form can be applied for all people in the community. Habib and Shirazi (10) determined validity and reliability of the re-test as 0.88. The reliability coefficient of the questionnaire

Introduction

Mental health is a very important component of life. According to the definition of World Health Organization, mental health is the ability of a person to have a coordinated communication with others, the ability to modify and improve his/her social environment, and the proper solution of emotional conflicts and personal desires (1). Mental health is also a set of features that respond to life-threatening accidents as a protective shield. It helps people to act better in these situations and it is a form of ability and well-being that gives the person the necessary ability to deal with daily tensions (2). Mental health is affected by several factors including social, recreational, sports and work factors which the set of these cases is the lifestyle of a person. Lifestyle represents a person's perception of life, the world and his acceptable values. In other words, lifestyle is a guidance symbol of the people of a society that covers all aspects of their lives. Healthy lifestyle is a valuable resource for reducing the incidence and impact of health problems and health promotion, adaptation to stressful times and improving the quality of life (3). In recent years, the study of the health status and dimensions of teaching has been studied in several ways. Many researchers have been studying and each of these researchers have been trying to examine the position and working conditions of teachers in order to identifying vulnerabilities and tackling these problems to achieve effective education (4).

Researches done on the mental health of teachers suggests that they experience lots of stress. Romano and Wahlstrom (5) found in their research that teachers have more stress and they suffer from more emotional burnout. Pratt (6) during a research on teachers reported that 21% of teachers have had a high score in the general health and in another study 19% of them had depression. In addition, 22% of teachers felt that they were prone to mental disorders which about 35% of them considered their job as the first reason. In

and mental health	3		s and mental health	1	
Physical activity and mental health	-0.20	0.007	Leisure activities and mental health	-0.002	0.978
Ideas and attitude	-0.789	0.000	Nutrition and health	-0.480	0.536
Hygiene and mental health	-0.198	0.010	Physics and appearance and mental health	-0.751	0.335

The low score in mental health questionnaire indicates having mental health while high score indicates a lack of mental health. Because the high score of lifestyle and its dimensions (physical activity, beliefs and attitudes, health, family relationships) have a significant and reverse relationship with score of mental health ($P < 0.05$) and there is also no significant relationship between lifestyle dimensions (leisure activities, nutrition, physics and appearance) and score of mental health.

Independent t-test was used to compare the mean of the two societies (educators and physical trainers)

Table 2. Comparison of lifestyle and mental health between physical training and non-physical training teachers

	Groups	Average	The standard deviation	F	T	Degrees of freedom	Sig
Lifestyle	Physical training	48.26	11.49	0.24	-3.61	167	0.000
	Non-physical training	41.92	10.83				
Mental health	Physical training	26.28	7.74	2.65	-2.50	166	0.013
	Non-physical training	29.67	9.21				

(26.2 ± 7.7) was lower than the others (29.6 ± 9.2) and physical training and non-physical training teachers have a significant difference in mental health. It means that physical teachers will have higher mental health than others.

Table 3 shows that the mean score of life style among women (46.08 ± 12.00) was more than men (45.2 ± 11.26). Also, the

was obtained by calculating Cronbach alpha as 0.86.

B) Lifestyle questionnaire: Nourbakhsh, Firepour and Molavi life style questionnaire was used to measure lifestyle. This questionnaire consisted of 22 questions. The reliability coefficient of the questionnaire was obtained through Cronbach's alpha as 0.79 (11).

Pearson correlation coefficient and independent T-test were used to analyze the data.

Results

Among the participants in the study, most of the respondents were graduate students, which included 78.3% of the respondents, 9.6% of the graduates and 12.2% of the master's degree. Most of the respondents were teaching in middle schools, which included 52.1% while 47.9% of the respondents were teaching in high schools. Table 1 shows the statistical results about the connection between lifestyle and its dimensions (physics and appearance, beliefs and attitudes towards oneself, family relationships, leisure time and mental health.), nutrition and physical activity

Table 1. The results of correlation coefficient between lifestyle and lifestyle and its dimensions with mental health

Variable	R	Sig	Variable	R	Sig
Life style	-0.12	0.011	Family relationship	-0.73	0.001

Table 2 shows that the mean of lifestyle changes in physical training teachers (48.2 ± 11.4) was higher than others (41.9 ± 10.8) and considering the significance level (0.05), there is a significant difference between the physical and non-physical training teachers in terms of lifestyle. Also, the average of the mental health score of physical training teachers

(0.05), there is a significant difference between men and women regarding mental health.

mean score of mental health in women (30.91 ± 8.9) was higher than men (26.2 ± 7.7) and considering the significant level

Table 3. Comparison of lifestyle and mental health among men and women

	Groups	Average	The standard deviation	F	T	Degrees of freedom	Sig
Lifestyle	Women	46.08	12.00	0.34	0.49	168	0.62
	Men	45.20	11.26				
Mental health	Women	30.91	8.95	0.76	3.94	167	0.00
	Men	25.80	7.87				

showed that between physical education and Non- physical education teachers. Regarding the role of sports interfaces, the educators are of the opinion for lifestyle and mental health had a better status than non-physical education teachers. Additionally, among male and female teachers in terms of mental health, there was a significant difference between men male and female in terms of mental health. These results were compared with the studies of Peluso and Silveira (13), Nourbakhsh (14) and Habibi et al. (15). Here we can suggest based on Punch and Tuettemann study (16) that female teachers spend more time investing in the teaching process, and their same psychological investment in teaching makes them more vulnerable in facing the problems.

Conclusion

According to the results of the research, the physical training teachers have higher mean of lifestyle changes. Also they have higher mental health than others. It seems that the work environment can have a great effect on physical and mental health, and since exercises increase mental health, it should be considered as part of the general education program.

References

1. Morgan WP, Goldston SE. Exercise and mental health. United Kingdom: Taylor and Francis; 2013.
2. Manwell LA, Barbic SP, Roberts K, Durisko Z, Lee C, Ware E, et al. What is mental health? Evidence towards a new definition from a mixed methods multidisciplinary international survey. *BMJ Open* 2015; 5(6): e007079.
3. Ahmadi MS. [The relationship between religious beliefs and lifestyle with quality of life in secondary school students in Zanjan city]. *Female and family studies* 2015; 8: 20-7. (Persian)
4. Kovess-Masfety V, Rios-Seidel C, Sevilla-Dedieu C. Teacher's mental health and teaching Levels. *Teach Teacher Educ* 2007; 23(7): 1177-92.
5. Romano JL, Wahlstrom K. Professional stress and well-being of K-12 teachers in alternative educational settings, a leadership agenda. *Int J Leadersh Educ* 2000; 3(2): 121-35.
6. Pratt, J. Perceived stress among teachers: the effects of age and background of children taught. *Educ Rev* 1978; 30: 3-44.

Discussion

The main purpose of this study was to compare lifestyle and mental health among the physical and non-physical trainers (men and women). There was an inverse and significant relationship between the scores of lifestyle and mental health. In other words, if a person works every day or trains at least once a week, or if this person is motivated to pursue their goals and seek to learn new things and have a comfortable night sleep, they will have a healthier mind. Also, if someone uses herbal medicines instead of chemical drugs, take actions for pain and stress, and consult with knowledgeable people in psychology, is less likely to experience psychological problems. Satisfying relationships with others and the convenience of marital life are consistent with higher mental health. These results were achieved by Sarlio et al. (9), Tanaka and Shirakawa (12) and Yasushi (8) to prove that there's a simple connection between lifestyle and sleep health, exercise, and good health conditions. Therefore, it can be concluded that a healthy lifestyle including proper nutrition, exercise and physical training, sleep apnea as well as activities and beliefs in life can provide mental health. Also, the results

7. Kossek FE, Ozeki C. Work-family conflict, Policies and the job-life satisfaction relationship: review and directions for organizational behavior-human resources research. *J Appl Psychol* 1998; 83: 139-49.
8. Yasushi S. The influence of total number of favorable working conditions and life style on mental health in japanese workers. *J Stress Health* 2003; 19(2): 119-26.
9. Sarlio S, Lehei MA, Roos E. Mental health and food habits among employed women and men. *Appetite* 2004; 42(2): 151-6.
10. Habibi S, Shirazi MA. [Job satisfaction and mental health at the employees of a general hospital]. *Iranian journal of psychiatry and clinical psychology* 2003; 8(4): 64-73. (Persian)
11. Nourbakhsh A, Atashpour SH, Molavi H. [Comparison of lifestyle, mental health and happiness among female teachers and housewives in the city of Bashrooye]. *Knowledge and research in applied psychology of Islamic Azad University of Khorasgan* 2005; 26: 37-62. (Persian)
12. Tanaka H, Shirakawa S. Sleep health, lifestyle and mental health in the Japanese elderly ensuring sleep to promote health. *Brain Mind* 2004; 56(5): 465-77.
13. Peluso MA, Silveira LH. Physical activity and mental health: the association between exercise and mood. *Clinics* 2005; 60(1): 61-70.
14. Nourbakhsh P. [Construction and validation of the instrument for measuring the occupational stressors of physical education teachers in Khuzestan province and determining the relationship between these factors and their mental health]. *Research findings of the Education Research Council of Khuzestan province*. Ebadi G. (editor). 1999. (Persian)
15. Habibi M, Basharat M, Ghoroghosloo F, Isanlouve B, Zolfatie M. [Comparison of mental health in physical education teachers and non-physical education based on demographic characteristics]. *Growth of pedigree* 2009; 1: 114-93. (Persian)
16. Punch KF, Tuettemann E. Correlates of psychological distress. *Br Educ Res J* 1990; 16: 4.