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:

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Received: Oct. 31, 2016
Accepted: Aug. 07, 2017
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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. Sarllo, 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

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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
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>
<thead>
<tr>
<th>Variable</th>
<th>R</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life style</td>
<td>0.12</td>
<td>1</td>
</tr>
<tr>
<td>Family relationship</td>
<td>0.73</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Groups</th>
<th>Average</th>
<th>Standard deviation</th>
<th>F</th>
<th>T</th>
<th>Degrees freedom</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lifestyle</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>48.26</td>
<td>11.49</td>
<td>0.24</td>
<td>-3.61</td>
<td>167</td>
<td>0.000</td>
</tr>
<tr>
<td>Non-physical training</td>
<td>41.92</td>
<td>10.83</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mental health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical training</td>
<td>26.28</td>
<td>7.74</td>
<td>2.65</td>
<td>-2.50</td>
<td>166</td>
<td>0.013</td>
</tr>
<tr>
<td>Non-physical training</td>
<td>29.67</td>
<td>9.21</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(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 lifestyle among women (46.08 ± 12.00) was more than men (45.2 ± 11.26). Also, the
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(0.05), there is a significant difference between men and women regarding mental health.

<table>
<thead>
<tr>
<th>Groups</th>
<th>Average</th>
<th>The deviation</th>
<th>F</th>
<th>T</th>
<th>Degrees of freedom</th>
<th>Sig</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifestyle</td>
<td>Women</td>
<td>46.08</td>
<td>12.00</td>
<td>0.34</td>
<td>0.49</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td>Men</td>
<td>45.20</td>
<td>11.26</td>
<td>0.76</td>
<td>3.94</td>
<td>167</td>
</tr>
<tr>
<td>Mental</td>
<td>Women</td>
<td>30.91</td>
<td>9.95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>health</td>
<td>Men</td>
<td>25.80</td>
<td>7.87</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 Tuettelmann 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.

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

References
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