Relation Between Burnout Syndrome and Job Satisfaction Among Mental Health Workers

Jelena Ogresta, Silvia Rusac, Lea Zorec

Aim To identify predictors of burnout syndrome, such as job satisfaction and manifestations of occupational stress, in mental health workers.

Method The study included a snowball sample of 174 mental health workers in Croatia. The following measurement instruments were used: Maslach Burnout Inventory, Manifestations of Occupational Stress Survey, and Job Satisfaction Survey. We correlated dimensions of burnout syndrome with job satisfaction and manifestations of occupational stress dimensions. We also performed multiple regression analysis using three dimensions of burnout syndrome – emotional exhaustion, depersonalization, and personal accomplishment.

Results Stepwise multiple regression analysis showed that pay and rewards satisfaction (β = -0.37), work climate (β = -0.18), advancement opportunities (β = 0.17), the degree of psychological (β = 0.41), and physical manifestations of occupational stress (β = 0.29) were significant predictors of emotional exhaustion (R = 0.76; F = 30.02; P < 0.001). The frequency of negative emotional and behavioral reactions toward patients and colleagues (β = 0.48), psychological (β = 0.27) and physical manifestations of occupational stress (β = 0.24), and pay and rewards satisfaction (β = 0.22) were significant predictors of depersonalization (R = 0.57; F = 13.01; P < 0.001). Satisfaction with the work climate (β = -0.20) was a significant predictor of lower levels of personal accomplishment (R = 0.20; F = 5.06; P < 0.005).

Conclusion Mental health workers exhibited a moderate degree of burnout syndrome, but there were no significant differences regarding their occupation. Generally, both dimensions of job satisfaction and manifestations of occupational stress proved to be relevant predictors of burnout syndrome.
Burnout syndrome is a subject of the interdisciplinary area of occupational stress research (1). It is defined as a sustained response to chronic work stress and includes emotional exhaustion, negative attitudes and feelings toward the recipients of the service (depersonalization), and a feeling of low accomplishment and professional failure. Emotional exhaustion involves feelings of being emotionally overextended and exhausted by one’s work, resulting in a loss of energy and general weakness. Depersonalization refers to the development of impersonal and unfeeling attitudes toward patients and loss of idealism at work. The feeling of reduced personal accomplishment refers to a feeling of lack of competence and personal achievement (2).

Burnout syndrome was most often studied among helping professionals (nurses, physicians, psychologists, and social workers), education, and human resources professionals (3,4). In mental health workers, sources of occupational stress are mostly related to the difficulties in the functioning of health care system (5,6), such as time pressure, chronic fatigue, uncertainties in patient care, demanding chronic patients, poor interpersonal relations at work, and role ambiguity (7-9). Moreover, working with patients is considered to be one of the most important factors leading to burnout syndrome (6,10).

In the 1990s in Croatia, a number of studies was conducted on the occupational stress in the helping profession (1,11,12) and burnout syndrome (2,13-16), showing their negative effect on the workers’ health and economic losses induced by absence from work and decreased working productivity. Also, some recent studies have identified personal, interpersonal, and organization factors related to job satisfaction, occupational stress, and burnout syndrome in health care (17-21) and have confirmed a correlation between low job satisfaction and burnout syndrome (22,23).

Low job satisfaction can lead to increased job mobility and more frequent absenteeism, which may reduce the efficiency of health care services (24). In the previous research (25), the relationship between job satisfaction and burnout syndrome was viewed from two perspectives — the perspective of causes and the perspective of consequences and their effect on attitudes, mental and physical health, productivity, absence from work, fluctuation, and other different forms of work behavior. Some of recent studies have shown that social workers (26-28) and nurses (29) express lower job satisfaction than other professions in mental health care.

Low job satisfaction among mental health workers has also been confirmed by some studies conducted in United Kingdom (30) and Canada (31), while several studies have shown exactly the opposite, i.e., that there is a high degree of job satisfaction among employees in these professions (6,20,21). Exposure to occupational stress leads to psychological and physical reactions, the intensity and form of manifestation of which depends on personality traits and environmental factors. The most widespread manifestations of occupational stress in helping professions include emotional exhaustion, depersonalization and dehumanized perception of the patient, absenteeism, damaged physical health, and reduced personal satisfaction. Studies have shown that, compared with general population and other professions, social workers suffer from relatively high level of anxiety and depression related to their profession (32,33).

The aims of this study were to examine the relation between burnout syndrome and job satisfaction and to identify independent predictors, such as job satisfaction and manifestations of occupational stress, of burnout syndrome among mental health workers.
Participants and methods

Participants

A sample of 174 mental health workers was formed, using the snowball method according to the availability and readiness of the employees to participate in the study. There were 139 (79.9%) women and 35 (20.1%) men. Their age ranged from 20 to 64 years (41.2 ± 10.6). There were 86 (49.4%) nurses, 27 (15.5%) social workers, and 61 (35.1%) psychiatrists. Forty-five (25.9%) of them were employed in the field of mental health care for less than 10 years, 54 (31.0%) between 11 and 20 years, 43 (24.7%) between 21 and 30 years, and 32 (18.4%) over 30 years. There were 1.7% widowed participants, 65.1% participants were married and lived with a spouse, 7.0% were divorced, and 25.6% were living with a partner or were single.

Method

The study was conducted in the period between March and December 2007 in 3 state psychiatric hospitals and 12 psychiatric clinics in Croatia (the names of the institution are available from the authors; they were not mentioned here to preserve the anonymity of the participants). Questionnaires were returned by mail. Two reminders were sent in June and October and the overall response rate was 50%. Participation in the study was voluntary.

Instruments

We used a demographic questionnaire to collect data on sex, age, profession, years of service, marital status, and number of children, and three structured questionnaires, as follows: the Job Satisfaction Survey, Croatian version of the Maslach Burnout Inventory, and The Manifestations of Occupational Stress questionnaire.

The Job Satisfaction Survey (34) measures satisfaction with 9 job aspects (pay, advancement, benefits, rewards, management rules, colleagues, nature of work, and communication). It consists of 36 items. Self-report ratings for each item form a scale from 1 (strongly disagree) to 5 (strongly agree). The questionnaire has been used in a large number of studies and has proved to be reliable (α = 0.91) for measuring job satisfaction (34).

As the scale was used on mental health workers in Croatia for the first time, we tested its metric characteristics and found them satisfactory; the scale showed a normal distribution (Kolmogorov-Smirnov Z = 0.78, P < 0.001; 108.9 ± 17.5) and good internal consistency (α = 0.88).

Factor analysis resulted in 4 significant principal dimensions according to Kaiser-Guttman’s criterion and the Scree test, and the percentage of explained variance by 4 significant dimensions before rotation was 41.03%. By analyzing the loadings of the individual manifest variable, we established that job satisfaction can be explained using the following latent dimensions: job and rewards satisfaction (λ1 = 7.34), satisfaction with the superior and colleagues (λ2 = 2.80), advancement and benefits satisfaction (λ3 = 1.96), and work climate satisfaction (λ4 = 1.84). The Cronbach α reliability coefficient was 0.68 for the dimension of work climate satisfaction, 0.73 for advancement and benefits satisfaction, 0.79 for satisfaction with the superior and colleagues, and 0.81 for the dimension of job and reward satisfaction.

Croatian version of the Maslach Burnout Inventory (35) includes 22 items on a 7-point Likert-type frequency scale (0 = never; 1 = a few times a year or less; 2 = once a month or less; 3 = a few times a month; 4 = once a week; 5 = a few times a week; 6 = every day). The items were distributed in three dimensions, as follows: emotional exhaustion, depersonalization, and personal accomplishment. High results on the questionnaire imply high results...
on the emotional exhaustion and depersonalization scales and lower results on perceived reduced personal accomplishment scale. Cronbach α coefficient of internal consistency was 0.88 for emotional exhaustion, 0.72 for depersonalization, and 0.67 for perceived reduced personal accomplishment (35).

Factor analysis of Maslach Burnout Inventory (35) resulted in 3 significant principal dimensions according to Kaiser-Guttman’s criterion and the Scree test as follows: emotional exhaustion (λ₁=5.93), depersonalization (λ₂=3.26), and perceived reduced personal accomplishment (λ₃=1.65). The percentage of explained variance by 3 significant dimensions before rotation was 49.31%.

The Cronbach α reliability coefficient was 0.84 for emotional exhaustion, 0.80 for depersonalization, and 0.76 for perceived reduced personal accomplishment. The subscales showed good internal consistency, allowing the formation of composite scores.

The Manifestations of Occupational Stress (35) consists of 22 Likert-type items (ranging from 1 – “never” to 7 – “always”) showing burnout symptoms’ frequency. The Cronbach α reliability coefficient was 0.93 (35). In this survey, the result distribution was asymmetric to the left, according to expectations, since this phenomenon does not have a normal distribution in the population (Kolmogorov-Smirnov Z = 1.76; P<0.001; 52.6 ± 19.2). The high internal consistency coefficient pointed to a high reliability of the tool (α = 0.92). The factor analysis after varimax rotation showed a three-factor latent structure according to the Kaiser-Guttman criterion and the Scree test, the dimensions being as follows: the frequency of negative emotional and behavioral reactions toward patients and colleagues (λ₁=9.21), the frequency of the psychological manifestations of occupational stress (λ₂=2.19), and the frequency of the physical manifestations of occupation-
Correlation between burnout syndrome, job satisfaction, and manifestation of occupational stress dimensions

When correlation between burnout and job satisfaction dimensions was examined, all three burnout syndrome dimensions were significantly correlated with the work climate satisfaction (Table 1). While emotional exhaustion and depersonalization were moderately correlated with work climate satisfaction, personal accomplishment and work climate satisfaction were correlated to a low but significant degree. Of other job satisfaction dimensions, only the rewards satisfaction was negatively correlated with emotional exhaustion.

When the correlation between burnout and manifestation of occupational stress dimensions was examined, there was a significant correlation between emotional exhaustion and frequency of psychological and physical (0.45) manifestations of occupational stress. In addition, depersonalization was significantly correlated with the frequency of negative emotional and behavioral reactions toward patients and colleagues, and with psychological manifestations of stress. Interestingly, perceived accomplishment did not correlate with the manifestations of occupational stress dimensions (Table 1).

Correlation between job satisfaction and manifestation of occupational stress

In order to obtain a more accurate insight into prediction of burnout syndrome using the dimensions of job satisfaction and manifestations of occupational stress, it was necessary to interpret inter-correlations of the variables that were taken as predictors. Pearson coefficients of the bivariate inter-correlations between the dimensions of job satisfaction and the dimensions of manifestations of occupational stress (Table 2) showed that the frequency of negative emotional and behavioral reactions toward patients and colleagues was in a small but significantly negative correlation with the work climate satisfaction and with the advancement

<table>
<thead>
<tr>
<th>Dimensions of burnout syndrome</th>
<th>emotional exhaustion</th>
<th>depersonalization</th>
<th>personal accomplishment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job satisfaction dimensions:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>rewards</td>
<td>0.52*</td>
<td>0.04</td>
<td>0.03</td>
</tr>
<tr>
<td>superiors and colleagues</td>
<td>0.17</td>
<td>0.02</td>
<td>0.09</td>
</tr>
<tr>
<td>advancement and benefits</td>
<td>0.07</td>
<td>0.11</td>
<td>0.06</td>
</tr>
<tr>
<td>work climate</td>
<td>-0.35*</td>
<td>0.27*</td>
<td>-0.19‡</td>
</tr>
<tr>
<td>Manifestations of occupational stress dimensions:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>negative emotional and behavioral reactions toward patients and colleagues</td>
<td>0.05</td>
<td>0.40*</td>
<td>0.03</td>
</tr>
<tr>
<td>physical manifestations of occupational stress</td>
<td>0.40*</td>
<td>0.26*</td>
<td>0.04</td>
</tr>
<tr>
<td>psychological manifestations of occupational stress</td>
<td>0.45*</td>
<td>0.15</td>
<td>0.06</td>
</tr>
</tbody>
</table>

*P<0.01. †P<0.05.
‡Physical manifestations of occupational stress were headache, rapid shallow breathing, rapid heart beat, fatigue, gastrointestinal problems, pain, sleep disturbances, and physical exhaustion.
§Psychological manifestations of occupational stress were feeling insecure, feeling anxious, feeling depressed, feeling unable, feeling socially isolated, feeling distanced, feeling irritable, feeling sad, and feeling dissatisfied.

<table>
<thead>
<tr>
<th>Manifestations of occupational stress dimensions</th>
<th>negative emotional and behavioral reactions toward patients and colleagues</th>
<th>physical manifestations of occupational stress</th>
<th>psychological manifestations of occupational stress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rewards</td>
<td>-0.14</td>
<td>-0.03</td>
<td>-0.38</td>
</tr>
<tr>
<td>Superior and colleagues</td>
<td>-0.04</td>
<td>-0.25†</td>
<td>0.03</td>
</tr>
<tr>
<td>Advancement and benefits</td>
<td>-0.23†</td>
<td>-0.15</td>
<td>-0.00</td>
</tr>
<tr>
<td>Work climate</td>
<td>-0.24†</td>
<td>-0.27†</td>
<td>-0.16</td>
</tr>
</tbody>
</table>

*Physical manifestations of occupational stress were headache, rapid shallow breathing, rapid heart beat, fatigue, gastrointestinal problems, pain, sleep disturbances, and physical exhaustion.
†Psychological manifestations of occupational stress were feeling insecure, feeling anxious, feeling depressed, feeling unable, feeling socially isolated, feeling distanced, feeling irritable, feeling sad, and feeling dissatisfied.
‡P<0.01.
and benefit satisfaction. The satisfaction with superiors and colleagues was significantly negatively correlated with the frequency of the physical manifestations of occupational stress, while the rewards satisfaction was significantly negatively correlated with the frequency of the physical manifestations of occupational stress. Due to the significant correlations between these dimensions, we expected somewhat lower individual contribution in the total variance explanation (Table 2).

**Prediction of emotional exhaustion with job satisfaction and manifestation of occupational stress dimensions**

The data were further subjected to 3 stepwise regression analyses, where the frequency of psychological and physical symptoms, negative emotional and behavioral reactions toward colleagues and patients, and each dimension of job satisfaction were taken as predictor variables. The criterion variables were the three dimensions of burnout syndrome.

Stepwise multiple regression analysis for the emotional exhaustion showed that a set of predictor variables accounted for the total of 58% criterion variance. The value of the multiple regression coefficient (Table 3) increased with every added predictor, which significantly contributed to the enlargement of the accounted for part of the variance with total value of 0.76 (F = 30.02; P<0.001). Regression coefficients from Table 3 also identified significant predictors of emotional exhaustion as follows: rewards satisfaction and work climate satisfaction as negative predictors, and psychological manifestations of occupational stress, psychological manifestations of occupational stress, and advancement opportunities and benefits satisfaction as positive predictors. Negative emotional and behavioral reaction toward patients and colleagues and the satisfaction with the superiors and colleagues did not contribute significantly to the explanation of the emotional exhaustion variance (Table 3).

**Prediction of depersonalization with job satisfaction and manifestation of occupational stress dimensions**

Multiple regression analysis with the same set of predictors was used for the depersonalization and showed the significance of four dimensions in the variance explanation (Table 4). Thirty two percent of the depersonalization variance (R = 0.57; F = 13.01; P<0.001) was explained by the following predictors: negative emotional and behavioral reactions toward patients and colleagues, psychological manifestations of occupational stress, physical manifestations of occupational stress, and rewards satisfaction. The satisfaction with superiors and colleagues, advancement opportunities and benefits, and satisfaction with work climate increased with every added predictor, which significantly contributed to the enlargement of the accounted for part of the variance with total value of 0.76 (F = 30.02; P<0.001).

### Table 3. Results of stepwise regression analysis with emotional exhaustion as criterion variable

<table>
<thead>
<tr>
<th>Predictors</th>
<th>β</th>
<th>R</th>
<th>R²</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rewards</td>
<td>-0.37* 0.47 0.22 32.19*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychological manifestations of occupational stress¹</td>
<td>0.44* 0.65 0.43 42.03*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical manifestations of occupational stress²</td>
<td>0.29 0.72 0.52 40.07*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work climate</td>
<td>-0.18* 0.74 0.55 33.66*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advancement and benefits</td>
<td>0.17* 0.76 0.58 30.02*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative emotional and behavioral reactions</td>
<td>-0.05</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>toward patients and colleagues</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Superior and colleagues</td>
<td>-0.07</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*P<0.01.

¹Physical manifestations of occupational stress were headache, rapid shallow breathing, rapid heart beat, fatigue, gastrointestinal problems, pain, sleep disturbances, and physical exhaustion.

²Psychological manifestations of occupational stress were feeling insecure, feeling anxious, feeling depressed, feeling unable, feeling socially isolated, feeling distressed, feeling irritable, feeling sad, and feeling dissatisfied.

### Table 4. Results of stepwise regression analysis with depersonalization as criterion variable

<table>
<thead>
<tr>
<th>Predictors</th>
<th>β</th>
<th>R</th>
<th>R²</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative emotional and behavioral reactions</td>
<td>0.48* 0.42 0.18 24.34*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>toward patients and colleagues</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychological manifestations of occupational stress¹</td>
<td>0.27* 0.50 0.25 18.97*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical manifestations of occupational stress²</td>
<td>0.24* 0.53 0.28 14.43*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rewards</td>
<td>0.22* 0.57 0.32 13.01*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Superior and colleagues</td>
<td>0.08</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advancement and benefits</td>
<td>0.02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work climate</td>
<td>-0.04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*P<0.01.

¹Physical manifestations of occupational stress were headache, rapid shallow breathing, rapid heart beat, fatigue, gastrointestinal problems, pain, sleep disturbances, and physical exhaustion.

²Psychological manifestations of occupational stress were feeling insecure, feeling anxious, feeling depressed, feeling unable, feeling socially isolated, feeling distressed, feeling irritable, feeling sad, and feeling dissatisfied.
climate were not significant predictors with individual contribution.

**Prediction of personal accomplishment with dimensions of job satisfaction and manifestation of occupational stress**

Out of the above-mentioned set of predictors for the dimension of personal accomplishment, only the dimension of work climate satisfaction proved to be a significant predictor with independent contribution, accounting for mere 4% of the criterion variance ($P<0.05$; Table 5).

<table>
<thead>
<tr>
<th>Table 5. Results of stepwise regression analysis with personal accomplishment as criterion variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predictors</td>
</tr>
<tr>
<td>Work climate</td>
</tr>
<tr>
<td>Negative emotional and behavioral reactions toward patients and colleagues</td>
</tr>
<tr>
<td>Physical manifestations of occupational stress†</td>
</tr>
<tr>
<td>Psychological manifestations of occupational stress‡</td>
</tr>
<tr>
<td>Rewards</td>
</tr>
<tr>
<td>Superior and colleagues</td>
</tr>
<tr>
<td>Advancement and benefits</td>
</tr>
</tbody>
</table>

* $P<0.05$.
† Physical manifestations of occupational stress were headache, rapid shallow breathing, rapid heart beat, fatigue, gastrointestinal problems, pain, sleep disturbances, and physical exhaustion.
‡ Psychological manifestations of occupational stress were feeling insecure, feeling anxious, feeling depressed, feeling unable, feeling socially isolated, feeling distanced, feeling irritable, feeling sad, and feeling dissatisfied.

**Discussion**

Our results showed that mental health workers in Croatia reported a moderate degree of emotional exhaustion and depersonalization and a high degree of personal accomplishment. There were no significant differences in three dimensions of burnout syndrome among nurses, social workers, and psychiatrists. Our results differ from reports from other countries, which have demonstrated a high degree of emotional exhaustion and reduced personal accomplishment and a lower degree of depersonalization among mental health workers (36-38). A study that investigated burnout syndrome among mental health workers showed that 36% of mental health workers demonstrated early signs of burnout syndrome, while 6.3% of them had a fully developed syndrome, ie, burnout was presented among 71% of psychologists, 43% of psychiatrists, and 73% of social workers (39). Only a single study has shown that mental care workers display a low degree of burnout syndrome (40). When it comes to differences in the degree of burnout in relation to the profession, our results are also contrary to previous studies, which reported that social workers displayed a higher degree of burnout syndrome than other mental health workers (27,33,34,37,41). The majority of studies have confirmed that job dissatisfaction is one of the most significant factors contributing to the burnout syndrome (42). Negative correlation between job satisfaction, emotional exhaustion, and depersonalization, and the positive correlation between job satisfaction and reduced personal accomplishment have also already been confirmed in some previous studies (15,16,23,43).

Our results showed the highest degree of correlation between emotional exhaustion and pay and rewards satisfaction, which indicates that workers who are less satisfied with their pay and rewards report a higher degree of emotional exhaustion. Some previous studies have also shown that the pay rate as an external motivator can intensify the stress. This finding is consistent with a study showing that younger workers who are less satisfied with their pay rate tend to leave their profession more often (44). The loss of external rewards reduces the chances that an expert will be dedicated to his work (45).

Work climate satisfaction was in negative correlation with all three dimensions of burnout syndrome, which shows that workers who are less satisfied with the work climate display a higher degree of burnout. Some of the earlier studies have also shown that a poor relationship with colleagues, lack of teamwork and support, and the insufficient communication were the most common stress factors at workplace (46). Most studies also show a
correlation between social support among colleagues and a higher degree of job satisfaction, as well as personal accomplishment. Working conditions and dissatisfaction with colleagues and superiors have been the factors influencing burnout syndrome (47). Poor relationship with colleagues and superiors results in burnout when there is no possibility of exchanging experience and ideas, as well as when there is a lack of positive feedback from superiors.

Therefore, health workers’ job satisfaction was recognized as a criterion that should be included into the improvement of the quality of care for the mental health of the workers in the helping professions.

Nowadays, a negative correlation between the source of stress and physical and psychological health has been confirmed as well. Stress causes an increase in psychosomatic diseases and psychological difficulties, absence from work, and reduced productivity (48,49).

The majority of these psychological and physical stress indicators are a result of the individual-environment interaction (49). Burnout syndrome is related to different indicators of personal dysfunction. Emotional exhaustion comes with physical exhaustion, illness, psychosomatic symptoms, increased alcohol consumption, and more frequent marital and family conflicts (50). This may all lead to deterioration in patient care quality. Our study also confirmed that workers who displayed psychological and physical manifestations of stress more often displayed a higher level of emotional exhaustion. Our results are in tune with the earlier insights, which showed a correlation between emotional exhaustion and depression (51-53).

It has already been emphasized that job dissatisfaction is highly correlated with the role ambiguity, poor interpersonal relations, too much administrative work, and the quality of social support (53). Apart from this, a meta-analytical study on the relation between job satisfaction and different health outcomes (28) has shown that job satisfaction is in close relation with both psychological and physical health. This correlation is particularly significant for the aspects of mental health such as burnout syndrome, lower self-esteem, anxiety, and depression, and supports the claim that job dissatisfaction may be particularly damaging to health and welfare of the worker. The results of our study reaffirmed this claim, and they showed that dissatisfaction with particular job aspects was linked to a higher frequency of the manifestations of stress, pertaining to psychological and physical health, as well as to the relationship with colleagues and patients.

This study showed that mental health workers displayed a moderate degree of burnout and that their dissatisfaction with some aspects of their job correlated with a higher degree of burnout. The correlation between a higher degree of the manifestations of stress and dissatisfaction with some of the characteristics of their job was also confirmed. Workers who showed a higher level of depersonalization and emotional exhaustion also showed manifestations of stress more frequently. The criteria that have proven to be the most accurate predictors of burnout syndrome development were as follows: dissatisfaction with pay and rewards, lower advancement opportunity and gaining of benefits, and work climate dissatisfaction. These results point to the need to improve working conditions and the quality of work organization in order to increase job satisfaction and maintain the employees’ work productivity. In the area of stress, the most accurate predictors of burnout syndrome were more frequent psychological and physical manifestations, as well as more frequent negative emotional and behavioral reactions toward patients and colleagues. The identification of the stress sources, as well as the personal and contextual factors that contribute
to it, may result in the prevention of stress and the protection of the mental health of the helping profession workers.

Generally, the obtained results should be taken into consideration when designing preventive measures, ie, they could allow early discovery and recognition of burnout syndrome as the result of the ongoing stress and could contribute to fostering a greater work efficiency, enforcing changes in organizational structures, and promoting better health care for patients.

The main limitation of this study refers to its size and survey design, which limits its external validity. The participants were chosen by snowball method according to their availability and readiness to participate in the study, so we cannot make any conclusions about characteristics of non-responders. The second limitation concerns the number of participants, which is relatively small if we take into the account the total number of employees in each profession. The third limitation of this study is that only three groups of mental health workers were included.

The fourth limitation is the subjectivity of estimation. Both job satisfaction and manifestations of occupational stress were determined by employees’ self-estimation. The data would be more valid if, along with the subjective criteria, the objective ones, such as absence from work, working productivity, estimation by others (for example, colleagues, supervisors, family members), and psychological health measures were included. The study had a cross-sectional design, which prevented us from observing the changes in time. Longitudinal design, on the other hand, would enable a deeper and better understanding of the nature of the relationship between the burnout syndrome and the variables linked to stress. A longitudinal study would also enable the inquiry into the long-term effects of job satisfaction and the burnout syndrome on other outcomes, such as the subsequent stress levels, change of workplace, and the degree of motivation and productivity at workplace, as well as their effect on psychological and physical health of employees. Our results may be of use in creating intervention strategies, which should improve and preserve the health of mental health workers. Improvements in the field could also be achieved by conducting qualitative studies, in order to identify those characteristics of the mental health workplace which contribute to the emotional development of the burnout syndrome.

References
Ogresta et al: Relation Between Burnout Syndrome and Job Satisfaction


