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### Full Length Research Paper

# Impact of job satisfaction on employee performance: An empirical study of autonomous Medical Institutions of Pakistan

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In Pakistan, the doctor's profession is considered gorgeous and dignified because it is directly related to the lives of human beings. In Pakistani society, there is a general inclination that in government hospitals, the patients are not properly treated by the doctors. The purpose of this study is to find out factors that influence level of job satisfaction among the workforce of autonomous medical institutions of Pakistan and its effects on performance. The sample of the study is comprised of 200 doctors, nurses, administrative and accounts staff working in autonomous medical institutions in Punjab. 250 Questionnaires were distributed out of which 200 were received back and used for analysis. SPSS is used for data analysis statistically. It is concluded from study that facets such as: pay, promotion, job safety and security, working conditions, job autonomy, relationship with co-workers, relationship with supervisor and nature of work; affect the job satisfaction and performance.

**Key words:** Job satisfaction, performance, facets, Pakistan, doctors, medical.

#### INTRODUCTION

Human resource is most vital asset for organizational development. It is the source that makes other source use and gets best return out of them. But getting best of human resource requires enormous moves by organization and their management. If the human resource or employees are happy and contended with the moves and actions of employer they do their best for the best of organization. But if they are not in this state they might cause organization unmatchable loss. Thus managing human resource has become an art. Management always tries to use that art to satisfy their workforce. The greater the level of satisfaction of employees is, the higher will be returns for organization. And this has been realized by various researches, scholars, academicians, writers and leaders.

In the literature of organizational behavior and organizational psychology, job satisfaction is considered

the most extensively researched area (Keung-Fai, 1996; George and Jones, 2008). The different ways of satisfying the employees were found by the scholars and facilitated to the human resource managers to attract. motivate and retained the most committed workforce. Job satisfaction has direct impact on level of absenteeism, commitment, performance and productivity. Furthermore, job satisfaction improves the retention level of employees and reduces the cost of hiring new employees (Murray, 1999). Alternatively, the outcome of job dissatisfaction is increase in the cost of recruitment, selection and training, discouragement of current employees and reduction in the growth of organization (Padilla-Velez, 1993). The dissatisfaction of the employees has adverse effect on the efficiency of the organization. So studying job satisfaction is one of the most important topics of organizations setup.

Importance of job satisfaction can be realized by taking Doctors in Pakistan as example. There was a severe strike by doctors in the province of Punjab, followed by strike in Sind, Baluchistan and capital city/Islamabad because they were not satisfied with the pay, promotion

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and development policies, care given to doctors and many other factors. This led them a strike action and thus, they stayed out of their jobs. This proved to be a lash on the administration and public, as due to absence of doctors, 60% of the country clinics and hospitals were out of action which caused 500 deaths of patients (Kazmi, 2011). It shows that satisfying employees is one of the most important functions of management and in its absence crisis like medical crisis in Pakistan might arise. This study aims to finding out the factors which are present in the medical sector of Pakistan that leads to strike action by employees.

#### LITERATURE REVIEW

Here, we address various deteminants of job satisfaction and their impact on various factors like job satisfaction and employees performance.

## Impact of rewards/pay on job satisfaction and performance

Job satisfaction is an outcome of different factors like pay, promotion, the work itself, supervision, relationships with co-workers and opportunities for promotions (Opkara, 2002). Out of these factors, pay is a very important factor. Frye (2004) found that there is positive relationship between equity based compensation and performance. It was further concluded that compensation plays vital role in human capital intensive firms to attract expert workforce. retain Furthermore. compensation has significant impact on the level of job satisfaction of employees. It was also found that flexible compensation has no effect on the level of job satisfaction (Igalens and Roussel, 1999). The study regarding the job satisfaction level of public sector mangers was conducted and it was concluded that the income is the major determinants of job satisfaction (Sokoya, 2000). The investigation about relationship among job satisfaction and pay was conducted and it was also found that job satisfaction is affected by the pay (Nguyen et al., 2003).

Brudney and Coundry (1993) have explained different variables that influence performance of the employees in the organization. They included such as pay, organization commitment, relationship between pay and performance, etc. There are some empirical evidences that there is positive correlation between compensation and performance (Gneezy and Rustichini, 2000; Gardner et al., 2004; Tessema and Soeters, 2006). From the literature review, we propose the following hypothesis:

H<sub>1</sub>: Pay has positive impact on job satisfaction.

H<sub>2</sub>: Pay has positive impact on employees' performance.

## Imapct of promotion on job satisfaction and employee performance

The researcher in their results found the influence of different determinants of job satisfaction. Several studies focus on the demographic factors while others link the job satisfaction with reference to working environment. The other factors such as fair promotion system, job autonomy, leadership behavior, social relations are also the dominant in determining the level of job satisfaction (Dawson, 1987). (Nguyen et al., 2003) concluded that job satisfaction is the result of promotion opportunities in the organization. Teseema and Soeters (2006) concluded that there is positive relationship between promotion practices and perceived performance of employee. If organizations want to accelerate performance of employees in the organization, fair promotional opportunities should be given to employees (Park et al., 2003). On the basis of said previously studies conducted, we formulate the hypothesis:

H<sub>3</sub>: Promotion has positive impact on job satisfaction.

 $H_4$ : Promotion has positive impact on employee performance.

## Impact of job safety and security on job satisfaction and performance

Various researcher conducted studies and found that job dissatisfaction is the outcome of insecurity among employees (Ashford et al., 1989; Davy et al., 1991). Important factors like low job security, working conditions and the nature of work, low wages and lack of promotion, low job autonomy have adverse affect on the level of job satisfaction of employees (Guest, 2004; Silla et al., 2005).

Abegglen (1958) found during the study of Japanese workers that employment arrangement like lifetime employment and seniority system, job security leads to high commitment. Bolt (1983), Mooney (1984), Rosow and Zager (1985) concluded that the job performance decreases due to insecurity of job. Iverson (1996) argued that job security has significant impact on the organizational commitment. Morris et al. (1993) concluded the same.

The research on the job insecurity was conducted and it was found that job performance and organizational commitment are negatively correlated with job insecurity (Rosenblatt and Ruvio, 1996). In view of former studies we hypothesize the following:

 $H_5$ : Job safety and security has positive impact on job satisfaction.

H<sub>6</sub>: Job safety and security has positive impact on employee performance.

## Impact of working conditions on job satisfaction and performance

The researcher found that work environment is an important determinant of job satisfaction of employees (Herzberg, 1968; Spector, 2008). The work environment, in the new research, was found to be better determinant of job satisfactions by the scholars (Reiner and Zhao, 1999; Carlan, 2007; Ellickson and Logsdon, 2001; Forsyth and Copes, 1994).

Moreover, variation exists in terms of pay packages, working conditions, incentives, recognition and fringe benefits for the employees (Lavy, 2007). It was found that job satisfaction is adversely affected by the factors such as lack of promotion, working conditions, low job security and low level of autonomy. Guest (2004), Silla et al. (2005) and (Ceylan, 1998) concluded that the working conditions have affect on the satisfaction of employees. These include comfortable proper work and office spaces, temperature, lighting, ventilation, etc. It supports the following hypothesis:

H<sub>7</sub>: Working conditions have positive impact on job satisfaction.

H<sub>8</sub>: Working conditions have positive impact on employee performance.

## Impact of autonomy on job satisfaction and performance

In politics, bioethical and moral attitude, the concept of autonomy, has its ancestry. It relates to the capacity of rational individual to take decision independently. The underpinning of the autonomy is to fortitude an individual's actions in the context of moral responsibility. Selfgoverning of the people is referred to autonomy (Smith, 1993).

The researcher in their results found the influence of different determinants of job satisfaction. Several studies focus on the demographic factors while others link the job satisfaction with reference to working environment. The other factors such as fair promotion system, job autonomy, leadership behavior, social relations are also the dominant in determining the level of job satisfaction (Dawson, 1987).

It was found that job satisfaction is adversely affected by factors such as lack of promotion, working conditions, low job security and low level of autonomy (Guest, 2004; Silla et al., 2005).

Brewer et al. (2000) suggested that employees should be involved in the decision-making process. Kuo et al. (2010) argued the employee commitment and loyalty toward organization are significantly affected due to job characteristics like work redesign and employee selfgoverned. The literature review thus supported the hypothesis as follows: H<sub>9</sub>: Autonomy has positive impact on job satisfaction. H<sub>10</sub>: Autonomy has positive impact on employee performance.

## Impact of relationship with co-workers on job satisfaction and performance

The scholars previous found that environmental factors are important determinant of job satisfaction. The level of salary, promotion, appraisal system, climate management, and relation with co-workers are the vital factors. (Lambert et al., 2001). James (1996) concluded that the working as a team has significant impact on the satisfaction level of employees as it affects their performance. It is essential to recognize to the significance of these factors to boost the satisfaction level in the workforce. The researchers founds the factors like pay, promotion and satisfaction with co-workers that influence the employee feeling towards job satisfaction (Schermerhorn et al., 2005).

Padilla-Velez (1993) argued that the performance can be improved and absenteeism can be decreased with the help of socialization and interaction among employees. Thus, on the basis of earlier studies we propose the hypothesis:

 $H_{11}$ : Relationship with co-workers has positive impact on job satisfaction.

H<sub>12</sub>: Relationship with co-workers has positive impact on employee performance.

## Impact of relationship with supervisors on job satisfaction and performance

Brunetto and Farr-Wharton (2002) concluded that supervision of the immediate manager increases the level of job satisfaction in the public sector employees. The productivity and performance of subordinates can be improved with managerial actions and supervision. The recognition of the achievements by the supervisors leads toward job satisfaction and is useful to solve the problems (Yen and McKinney, 1992). Okpara (2004) conducted the study of IT managers and found that job satisfaction among managers can be increased with the help of supervision.

It was differently found that social relation, supervisor's relationship has little influence on job satisfaction at workplace (Brown and Mcintosh, 2003). It was further found that job satisfaction is not the result of satisfaction with supervisors (Roelen et al., 2008). The recognition of the subordinate attainment by the supervisors enhances their job satisfaction level and also useful for solving the day to day problems. The productivity and performance of the subordinates is significant toward the managerial actions and supervision of the workers (Yen and McKinney, 1992). In view of said literature, we propose

the hypothesis:

H<sub>13</sub>: Relationship with supervisors has positive impact on iob satisfaction.

H<sub>14</sub>: Relationship with supervisors has positive impact on employee performance.

## Impact of nature of work on job satisfaction and performance

The scholars have found that different factors have significantly influence the job satisfaction. These factors are like pay, promotion opportunities, task clarity and association with co-workers and supervisors. Ting (1997) and Locke (1995) studied that the work itself has positively correlated with the satisfaction of employee. Robbins et al. (2003) refer to the work itself as "the extent to which the job provides the individual with stimulating tasks, opportunities for learning and personal growth, and the chance to be responsible and accountable for results". Jobs matched with the competencies and that are mentally stimulating are liked by the employees (Robbins, 1993). Hence, the literature supports our hypothesis:

 $H_{15}$ : The nature of work has positive impact on job satisfaction.

H<sub>16</sub>: The nature of work has positive effects on employee performance.

#### Impact of job satisfaction on performance

In the labor market there is demand of highly skilled, trained and qualified employees. The output and productivity of an organization is measured in terms the performance of its workforce (Currall et al., 2005). It was found that better performance of the workforce is the result of level of job satisfaction (Sousa-Poza and Sousa-Poza, 2000). Nanda and Brown (1977) have investigated the important employee performance indicators at the hiring stage. They concluded that level of job satisfaction and motivation affects the employee's productivity. The high performer demand attractive packages from the employers. And now it becomes predicament for the human resource experts to retain the performer (Sumita. 2004). The low level of job satisfaction adversely effects on the employee commitment and sequentially effect the achievement of organizational objectives performance (Meyer, 1999). So we propose the final hypothesis:

 $H_{17}$ : The job satisfaction has positive impact on employee performance.

#### Theoretical frame work

The preceding literature review supports the following

theoretical framework that is as shown in Figure 1.

#### **METHODOLOGY**

The study investigates the effects of pay, promotion, job safety and security, working conditions, job autonomy, relationship with coworkers, relationship with supervisor and nature of the work on job satisfaction and employee performance. The quantitative data was collected from the autonomous medical institutions (AMI's) of the Punjab that consists of a sample size of 200 including the doctors, nurses, administrative, accounts and finance staff from basic pay scale 7 to 19. The convenient sampling technique was used to collect the data from the target population. The questionnaires were distributed to the AMI's of Punjab and received by hand or mail.

#### Instrument

The questionnaire comprised of two parts, the first part was used to quantify the effects of different factors on job satisfaction and performance supported by the literature review. The first section included the questions about pay, promotion, job safety and security, working conditions, autonomy, relationship with coworkers, relationship with supervisor and nature of work. The questions of job satisfaction and performance were also included in the questionnaire. The second part of the questionnaire was deliberated to enumerate the demographic factors like age, designation, education, experience, gender, job relevancy and nature of job. The alpha range was 0.901 that is adequate. The Likert scale was used to get the response indicating a score of 1 for strongly disagree, 2 for disagree, 3 for undecided, 4 for agree and 5 for strongly agree.

#### Data analysis procedure

The scholars argued that for accurate and comprehensive statistical results on large scale, the statistical packages are the most consistent instruments (Buglear, 2005). Due to accuracy in performing the statistical functions, many scholars have used SPSS and other statistical packages for data analysis. The SPSS with 16 version is used in this study for statistical analysis of data collected through the questionnaire (version 11 was used by Okpara, 2004).

#### **RESULTS AND FINDINGS**

#### Response rate

The 250 questionnaires were distributed in the autonomous medical institution's of the Punjab and 200 were received, hence there was the 80% response received from the respondents.

#### **Demographics frequency table**

The demographic information of the sample is given in Table 1. The compositions of respondents are included in the demographic section of the questionnaire. Majority of the employees aged 25 to 31 years are included in the sample because the induction age is 18 years in the public sector. Moreover, the satisfaction level of these

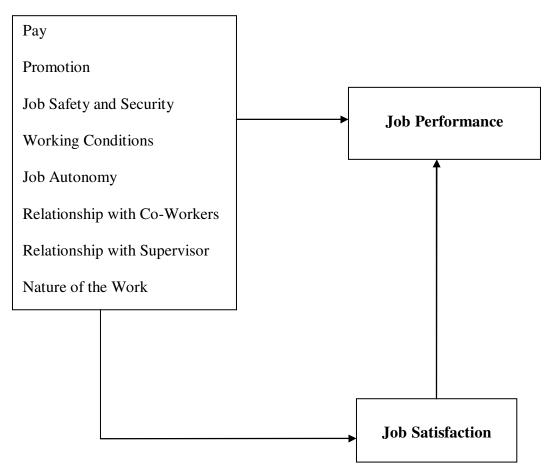


Figure 1. Theoretical framework.

employees is lesser as compared to employees having more tenure in the organization as the retirement age in the public sector is 60 years. The sample also consists of other age groups. Pakistan is a male dominant society. therefore, the male are greater than the female in the sample. The population consists of doctors, paramedics. accounts and admin staff. Most of the employees have Masters Qualification, so majority of the sample has Masters Degree. The benefits offered to the BPS 7 to 16 employees are less as compared to upper scales employees, so these are the major portion in the sample to check the job satisfaction level thoroughly. The satisfaction level in the newly appointed employees is less as compared to employees having more tenure in the organization; hence, majority of the employees in the sample are having less tenure. As most of the employees in the health department are appointed on permanent basis, majority of the respondents in the sample are permanent employees.

The procedure of Judd and Kenny (1981) and Baron and Kenny (1986), is used for the mediation of factor, that is, job satisfaction in this study. Three equations are developed to interpret the results. In the first equation,

independent factors like pay, promotion, job safety and security, working conditions, job autonomy, relationship with co-workers, relationship with supervisor, nature of the work and mediating variable job satisfaction are regressed. The second equation involved the regression of independent variables with the dependent variable performance of the employee. In the third equation, the independent variable including the moderating variable are also regressed. The results regarding the effect of independent factors on the mediating variable "job satisfaction" and the effect of mediating variable on the dependent variable "employee performance" are shown in Table 2.

We examined in the Equations 1a, 2a and 3a, the mediating effect of job satisfaction on the relationship between facets of job satisfaction such as pay, promotion, job safety and security, working conditions, job autonomy, relationship with co-workers, relationship with supervisor, nature of the work and the employee performance in the autonomous institutions of the health department. In the first equation (1a) the job satisfaction was regressed on facets of job satisfaction (mediator) and the results are found significant. In the second

<b>Table 1.</b> Demographic information of the sample	Table 1.	Demographic	information	of the	sample
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Description		Frequency	%
•	18 - 24	8	4.0
	25 - 31	68	34.0
Ago	32 - 38	45	22.5
Age	39 - 45	32	16.0
	46 - 52	32	16.0
	Above 52	15	7.5
Candan	Male	141	70.5
Gender	Female	59	29.5
	Matriculation	9	4.5
	Intermediate	30	15.0
Qualification	Graduation	49	24.5
	Master	99	49.5
	M.Phil / Phd	13	6.5
	BPS 7 - 16	97	48.5
Job level	BPS 17 - 18	91	45.5
	Above 18	12	6.0
	1 - 5	66	33.0
0	6 - 10	50	25.0
Organizational tenure	11 - 15	28	14.0
	16 - 20	16	8.0
	Above 20	40	20.0
	Contract	37	18.5
Nature of employment	Permanent	144	72.0
	Ad hoc/others	19	9.5

equation (2a), employee performance (dependent variable) was also regressed on the independent variables (predictor) to find the positive relationship. In the third equation (3a), the employee performance was regressed on the facets of job satisfaction and job satisfaction. In Equation 2a, beta (0.057) is less than that of Equations 1a (0.250); hence, the job satisfaction is the significant mediator and fulfills the conditions of mediation.

In Table 2, three regression equations (1a, 2a and 3a) were used to find out the mediating effect of job satisfaction and relationship of facets of job satisfaction and employee performance.

The relationship was found in the job satisfaction and facets of job satisfaction and the employee performance. The relationship between job satisfaction and facets of job satisfaction was more significant as compared to employee performance as indicated in Equation 3a. The finding confirmed that job satisfaction is mediating in this model.

#### **CONCLUSION AND RECOMMENDATIONS**

The study was conducted to find out determinants of job satisfaction and impact of job satisfaction on the employee performance in the autonomous medical institutions of health department of Pakistan. It can be concluded from the study that facets of job satisfaction such as pay, promotion, job safety and security, working conditions, job autonomy, relationship with co-workers, relationship with supervisor, and nature of the work significantly affect the level of job satisfaction among autonomous medical institutions of Pakistan. The government should consider all factors like promotion, working conditions, co-workers and nature of work which have significant impact on the job satisfaction level as proved in this study. In the light of above results it is, therefore, recommended that in order to enhance the employee performance in the autonomous medical institutions, the government should focus on all facets of job satisfaction and not only on any one of these factors.

Table 2. Regression equations for testing the mediation effects of job satisfaction and facets of job satisfaction.

Eqn.	Dependent variable	Independent variable	Beta	t	R-Square	F
1a	Job Satisfaction	Pay	0.250	3.639	0.063	13.243
1b	Job Satisfaction	Promotion	0.236	3.424	0.056	11.726
1c	Job Satisfaction	Job safety	0.116	1.637	0.013	2.679
1d	Job Satisfaction	Working conditions	0.288	4.238	0.083	17.962
1e	Job Satisfaction	Autonomy	0.143	2.030	0.020	4.120
1f	Job Satisfaction	Relationship with co-workers	0.211	3.036	0.044	9.219
1g	Job Satisfaction	Relationship with Supervisor	0.123	1.739	0.015	3.024
1h	Job Satisfaction	Nature of work	0.243	3.527	0.059	12.443
2a	Performance	Pay	0.057	0.799	0.003	0.639
2b	Performance	Promotion	0.064	0.898	0.004	0.807
2c	Performance	Job safety	0.090	1.273	0.008	1.621
2d	Performance	Working conditions	0.121	1.722	0.015	2.964
2e	Performance	Autonomy	0.148	2.106	0.022	4.436
2f	Performance	Relationship with co-workers	0.138	1.967	0.019	3.870
2g	Performance	Relationship with supervisor	0.073	1.028	0.005	1.058
2h	Performance	Nature of work	0.251	3.643	0.063	13.269
0-	Performance	Pay	0.031	0.426	0.013	1.294
3a		Job satisfaction	0.102	1.395		
Ol-	Performance	Promotion	0.040	0.549	0.014	1.35
3b		Job satisfaction	0.100	1.378		
3c	Performance	Job safety	0.078	1.104	0.018	1.819
		Job satisfaction	0.101	1.418		
3d	Performance	Working conditions	0.086	1.330	0.21	2.098
		Job satisfaction	0.083	1.108		
Зе	Performance	Autonomy	0.135	1.906	0.030	3.040
		Job satisfaction	0.091	1.277		
3f	Performance	Co-workers	0.121	1.677	0.026	2.626
		Job satisfaction	0.084	1.173		
3g	Performance	Supervisor	0.070	0.847	0.016	1.566
-		Job satisfaction	0.102	1.438		
Ol-	Performance	Nature of work	0.238	3.351	0.065	6.887
3h		Job satisfaction	0.052	0.732		

#### Limitation and future directions of the study

This study considered only few facets of job satisfaction like pay, promotion job safety and security, working conditions, job autonomy, relationship with co-workers, relationship with supervisor and nature of work. There may be both explicit and implicit factors that may affect

job satisfaction level. Sample size of the study is low which should be increased in order to realize the most important determinants at more generalized level.

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