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MANAGING EMPLOYEE ABSENTEEISM

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ABSTRACT

Employee absence rate, causes of employee absenteeism and the effects of employee absences on productivity are topics of discussion in many organizations. One reason is that high rates of employee absence may signal weak management and poor labor-management relations. A second reason is that reducing rates of employee absence may be an effective way to improve productivity. This paper reports the results of a study of employee absences in education, a large, labor-intensive industry. Employee absence in education is a serious problem which adversely affects the curriculum, discipline of the students and academic achievements of the students. In addition to economic loss, teacher absences induces students' absenteeism and causes damage to the school's reputation and it may even affect the school's general existence. This research paper tries to find out employee absenteeism rate, analyse the causes of employee absenteeism and design suitable programmes for encouraging better attendance of employees. Correlation analysis revealed that employee absenteeism was significantly related to demographic variables, cultural factors, personal characteristics of employees, community characteristics and organisational factors.

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Introduction

Employee absenteeism is one of the major management problems faced by most of the organizations, today. Absenteeism has many varied implications on business organizations, in which the main direct and indirect influence is economic. However, the problem of absenteeism is very precarious in schools, in which teacher absenteeism causes additional damage, beyond the economic, and strongly affects the school's general existence – loss of school days that diminish the students' achievements, cause damage to the school's reputation and induce students' absenteeism (Jacobson, 1989, p. 281).

Fundamentally educational practices in Government schools of Kerala have changed little in the past century: it still usually requires a teacher leading a classroom full of students, meaning that the physical presence of both is required. In Government schools of Kerala, where substitute teachers are uncommon, absence of a school teacher may have various consequences— idle time for students, doubling up of classes, and even student dropouts if absence becomes frequent enough.

This research paper probes the extent and correlates of teacher absence in Government schools of Kerala. First, it provides the estimates of teachers' absence rates in Government schools of Kerala. Second, it explores the potential individual, institutional, community and school-level explanatory factors that are most correlated with teacher absence.

Literature Review

There are a few systematic studies that give insight into the extent of teacher absence, let alone most of its possible determinants. Jacobson, Gibson and Ramming suggest that a set of beliefs and practices among a school's staff concerning what frequency and duration of absence is individually and organizationally acceptable, or what they define as the 'absence culture', can be of critical importance (Jacobson et al., 1993, p. 5). The social context of the school may have more bearing on its absenteeism level than the sum of individuals' contributions to that level. Workplace norms which tolerate high levels of absence are likely to maintain those levels irrespective of who is appointed to the staff. Imants & van Zoelen emphasise the role of the school's principal in establishing and maintaining those norms (Imants, & Zoelen 1995, p. 79). Their notion that a school

manager should express care for teachers' welfare and well-being is consistent with Dworkin, Haney and Teleschov's finding that teachers assigned to schools with a 'supportive' principal experienced less stress-induced illness than others (Dworkin et al., p. 63). Within Imants & van Zoelen's framework, however, a supportive leader is also a directive one, with little tolerance for those who cause extra work for colleagues (Imants, & Zoelen 1995, p. 83). It seems a truism that a school where teachers feel happy and appreciated will be less likely to have high levels of staff absenteeism than one where the reverse is the case (Norton 1998, p. 1998).

Cott and McClellan write that the school level taught and the levels of the teaching license were two primary predictors of teacher absences. Through their investigation, it was discovered that the higher the degree obtained by the teacher, the higher the number of days they were absent from the classroom (Scott & McClellan 1990, p. 231). Based on the research of Unicomb, Alley, and Barak, gender and life stage plays an important part in determining the profiles of teachers who are absent from the instructional environment (Unicomb et al. 1992, p. 34). It was discovered that female teachers tend to be absent more as they increased with age. Male teachers were out more days in their thirties than at any other time in their teaching career. Porwoll believes that novice teachers with two to four years of experience and veteran teachers who have worked within the educational arena between twenty- three to twenty- five years miss the fewest number of days of school. Novice teachers are still in the infant developmental phase of their career and tend to have fewer personal responsibilities, such as child rearing (Porwoll 1980, p 84). However, Jacobson found that teachers who were nearing retirement were absent on a more frequent basis (Jacobson 1990, p. 81). In a study by Pitkoff, teachers who received low performance markings tend to miss a larger number of days than those who did not (Pitkoff 1993, p. 42).

Theoretical Framework

The most cited absenteeism model that is used in a multitude of studies on teacher absenteeism was the Steers and Rhodes' model (Steers & Rhodes 1978, p. 392). They used a multi- variable approach that encompasses psychological as well as personal characteristics of teachers. Based on the ideas of Steer and Rhodes, demographic variables such as personal and family- related characteristics are slated as well as psychological variables such as job satisfaction, motivation to be absent, and the ability to attend

work. The model emphasizes that attendance is highly influenced by the practices of the organization, school culture, and employee attitudes, values, and goals. The number one factor identified by Steers and Rhodes was job satisfaction. Other employee attitudes that are related to attendance motivation are job involvement, organisational commitment, loyalty to co-workers and so on. The relationship between attendance motivation and actual employee attendance is constrained by an employee's perceived ability to attend work. This perception is influenced both by organisational practices and by attendance barriers. Attendance barriers include illness, family responsibilities and transportation problems. In this study Steers and Rhodes' model is used to identify factors that might be related to absenteeism in Government schools of Kerala. It is hypothesized that the variables selected would be significantly related to, and contributes substantially to, explaining differences in the absenteeism rates as specified by Steers and Rhodes.

Government Schools in Kerala

There are 12646 schools in Kerala as per the figures of 2009 (Government of Kerala, Economic Review 2009, p. 262). Out of these 4500 are Government schools, 7284 are Government aided private management schools and 862 are unaided schools. This means Government schools comprise 35.58% of total schools in the State. There are 999 Government High schools, 953 Government Upper Primary Schools and 2548 Government Lower Primary Schools The number of teachers in Kerala during 2008-09 was 1,74978. Out of this 31.03% of teachers are working in Government schools. 30.30% of total students are studying in Government schools.

Objectives of the Study

The study was conducted to:

- determine teacher absenteeism rate in Government schools of Kerala; and
- find out specific reasons for their absence from schools
- design suitable programmes for encouraging better attendance of teachers.

Methodology

Data Collection

Data for this study were gathered primarily through direct physical observation of attendance, followed by interviews with school headmasters and individual teachers, carried out during unannounced visits to a random sample of 100 Government schools of Kerala. Using the teachers' attendance registers and schedule obtained from the headmasters, the researcher drew up the list of teachers to be observed and interviewed.

Absenteeism data and information about employee characteristics were taken from personnel records. To complement the data collected through questionnaires at the school and individual level, the researcher carried out a parallel effort to gather institutional information and about how these institutions work in practice. Although clearly marked as optional, each respondent was asked to write his or her address on the instrument to allow questionnaire data to be matched with corresponding personnel records. The confidentiality of individual responses was stressed.

Variable Measures

The questionnaire included the demographic information of gender, age, years of teaching experience, educational qualifications, number and presence of dependents in the household other than spouse and distance from home to work etc. Two absenteeism measures were collected for this study – 1) absence frequency (occurrences) and 2) total days absent – which are the most commonly reported measures of absenteeism (Breugh 1981, p. 556). A portion of Mohrman-Cooke-Mohrman Job Satisfaction Scales was used to measure job satisfaction of the teachers. To measure job involvement, a portion of Michigan Organisational Assessment Questionnaire was included. The Role Conflict Scale assessed the degree of conflict a teacher feels exists between work, spouse, children or community. The respondents were asked to choose on a 6-point continuum from strongly disagree to strongly agree. A "not applicable" response was also offered.

Data Analysis

Comparisons were made on age, tenure, absence frequency, and the number of days absent. Canonical correlation analysis was used for

exploring the relationships among multiple dependent variables and the multiple independent variables. This methodology was chosen because the interest in this study concerned the strength of the interrelationships between the sets of multiple dependent and independent variables. In calculating teacher absence rates, we have taken only those permanent teachers who were working full time. The overall teacher absence rate for the two rounds is 10.6 percent. There is substantial variation between the two rounds: 12.5 percent of teachers were absent during the first round of visits, compared with only 8.7 percent in the second round.

Table 1 : Reasons given by school headmasters for the absence of full-time teachers

	Percentage of those absent
Official teaching-related duty	21.3
Leave for administrative tasks	4.6
Sick	9.3
Authorized leave	14.2
Went to pick up salary	3.5
Expected to arrive later	1.6
Unauthorized absence	1.4
No reason given	44.1
Total absent	100

Table 1 shows that of the teachers who were recorded as absent, only about 23.5 percent were reported to be out of school for reasons that would generate a leave record of some kind—that is, authorized leave and sickness. Another 25.9 percent were reported as being away from the school on some official duty. Thus even if we take the “official duties” and leave reports at face value, we are left with 50.6 percent of the absent teachers who are out of school for other reasons.

Findings

In table 2, the correlation of teacher absence with certain geographic, individual, school, and institutional variables are given.

Table 2 : Teacher absence rates by correlates of interest

	Mean absence rate (%)		Mean absence rate (%)	Difference
Teacher Characteristics				
Female	11.2	Male	7.1	4.1
Born this district	6.0	Not born in this district	8.7	-2.7
Head teacher	9.0	Other teacher	14.0	-5.0
Requested assignment to this school	7.2	Did not request assignment to this school	11.4	-4.2
Post-graduate degree	14.0	No post-graduate degree	9.8	4.2
Parent Teacher	11.1	Not a parent	9.5	1.6
School Characteristics				
Distance to paved road < 15km	9.5	Distance to paved road > 15km	21.3	-11.8
Rural area	18.7	Urban area	9.2	9.5
Infrastructure index (excl. toilet) < median	11.1	Infrastructure index (excl. toilet) > median	8.5	2.6
Discipline index below median	11.5	Discipline index above median	11.5	0.0
School recently inspected	8.00	School not recently inspected	14.0	-6.0
School size below median	9.1	School size above median	11.1	2.0
Recent parent meeting	8.2	No recent parent meeting	12.4	4.2
Teacher recognition program	6.9	No teacher recognition program	11.3	4.4
Transformational style of leadership	4.6	Laissez-faire style of leadership	14.9	10.3
Community Characteristics				
Maternal & Paternal literacy below 85%	16.4	Maternal & Paternal literacy above 85%	7.7	8.7
Poverty rate below 60%	8.7	Poverty rate above 60%	17.8	-9.1
Private School exists nearby	7.7	No private School near by	16.7	-9.0
Day of Observation				
Monday	15.0	Other days	8.0	7.0
Tuesday	8.6	Other days	9.7	-1.1
Wednesday	9.0	Other days	10.0	-1.0
Thursday	10.2	Other days	8.9	1.3
Friday	16.8	Other days	10.4	6.4
First round of survey	12.1	Second round of survey	8.8	3.3

If we turn to look at the individual characteristics in Table 2, we see that male teachers (7.1%) are less likely to be absent than are female teachers (11.2%), and non-parent teachers (9.5%) have slightly lower absence rates than parent teachers (11.1%), which shows that competing domestic responsibilities are a major cause of absence. This finding is in consistent with the research results found by Scott and McClellan (Scott & McClellan 1990, p. 230).

The result of this study also shows that the higher the educational degree obtained by the teachers, the higher the number of days they were absent from the classroom. Mean absence rate of post-graduate degree teachers is 14.0% in comparison to the mean absence rate of non post-graduate degree teachers (9.8%). This finding is similar to the results found in the studies of Porwoll (Porwoll 1980, p. 12).

Table 2 provides evidence for the view that teacher absence is concentrated in poor and more remote areas. Teachers at schools in higher poverty areas are absent twice as often as other teachers. For teachers at remote schools, absence rates are two and a half times higher than those of other teachers. The remoteness of a school predicts higher absence, for two reasons. The first is logistical: transportation difficulties in remote areas may make it harder for a teacher to arrive at school on time. Second, from the perspective of teacher motivation, teachers may find remote posts less attractive. Teachers in these remote locations may spend more time away from their postings, for example heading to urban areas for weekends. The finding on distribution of absences through the week is consistent with this story. If social pressure on teachers and intrinsic orientation toward service to the community are important, then teachers who come from the area near the school might have lower absence rates. In our data, this effect comes through strongly. A teacher who is born in the district where the school is located has a much lower absence rate—typically some 6 percentage points lower—and the effect is generally highly significant.

School size could affect the degree of responsibility the teacher feels to his or her students. Table 2 shows that teachers in larger schools are more likely to be absent (11.1%) than those in smaller schools (9.1%): increasing the number of teachers in a school by one standard deviation, for example, would be associated with roughly a 2-percentage-point increase in the probability of absence. One possible interpretation of this result is that some teachers take advantage of the more diffuse responsibility that comes with a larger school.

Another factor that influences teacher absence is the quality of the school's infrastructure and facilities. Like other employees, teachers are likely to prefer a workplace that has more comforts, as well as better school supplies. Table 2 shows that this measure is also significant, with a one standard deviation increase in the index (about 1.7 points) corresponding to a 2 percentage point decrease in absence.

One possible mechanism for inducing greater teacher effort is frequent unannounced inspections by local education officials. The teacher absence rate of the schools recently inspected is only 8.00% compared to 14.0% teacher absence in the schools not recently inspected.

Similarly, implementation of programs to recognize good teachers also improves teacher attendance. The average teacher absence rate is only 6.9% in schools where teacher recognition program were conducted as compared to 11.3% teacher absence rate in schools where no teacher recognition program were conducted. This finding is in consistent with the research results found by Scott, Markham, and Robers (Scott et al. 1985, p. 8).

Attendance of teachers also depends on the management style of the school head teacher, including his or her willingness to use disciplinary measures when necessary. Collegial relations and leadership style of the head teacher are found to be associated with the rate of teacher absences. Teachers who have supportive principals are less absent (4.6%) than those with unsupportive principals (14.9%). This finding is similar to the results found in the studies of Dworkin, Haney, Dworkin, and Telschov (Dworkin et al. 1990, p. 64).

The study regarding the positive role that community involvement can play in school management suggests that giving greater discretion to parents and communities can reduce teacher absence. The most obvious vehicle for parental involvement in the management of schools is the parents' association. Mean absence rate of teachers in schools where there were sufficient community involvement and recent parent meetings was 8.2% where as the mean absence rate of teachers in schools where there were inadequate community involvement and no recent parent meetings was 12.4%.

Education levels in the community affect absence through a variety of channels, including the greater ability of literate parents to judge the quality of students' education. The mean absence rate of teachers in schools where there were low parental literacy rate was 16.4% and the mean

absence rate of teachers in schools where there were high parental literacy rate was 7.7%.

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Another possible source of performance pressure on school headteachers and teachers is competition from private schools in the local area. If students have a credible exit option, or if the private school serves to benchmark performance, the Government schools may feel pressured to improve. The survey results show that the private competition is associated with sharply lower absence rates. The average teacher absence rate is only 7.7% in places where private school exist nearby, where as the average teacher absence rate is 16.7% in places where no private school exist nearby. This finding is in consistent with the research results found by Hoxby (Hoxby 1994, p.17).

Compared with Tuesday, Wednesday and Thursday the coefficients for the Monday and Friday dummies are large and often statistically significant, suggesting that teachers are often absent on what could be long weekends. This finding is similar to the results found in the studies of Unicom, Alley, and Barak (Unicom et al. 1992, p. 36).

In table 3, the means and standard deviations and ranges for the dependent variables are shown.

Table 3 Descriptive Statistics

Variables	Mean	SD	Range	
			Minimum	Maximum
Job Satisfaction	2.49	0.55	0.00	3.00
Job Involvement	4.39	1.19	1.66	9.00
Role Conflict	4.04	1.62	1.00	8.00
Organisation Tenure	12.98	7.29	0.00	29.00
Employee Age	39.32	8.24	26.00	55.00
Number of Dependents	1.07	1.15	0.00	6.00
Total days absent	4.67	6.65	0.00	54.00
Absence frequency	2.54	1.78	0.00	8.00

Pearson product-moment correlation coefficients for the variables are used in this study. A positive significant correlation of 0.579 ($p < .001$) was found to exist between absence frequency and total days of absence. Positive correlations were found for absence frequency and job involvement ($r = 0.159$, $p < .01$) and general job satisfaction ($r = .117$, $p < .05$). The general measure of job satisfaction was positively correlated with job involvement ($r = .133$, $p < .05$). The number of dependents a teacher had was positively correlated with job involvement ($r = .131$, $p < .05$) and role conflict ($r = .236$, $p < .001$). Finally role conflict was negatively correlated with organisation tenure ($r = -.187$, $p < .01$) and age ($r = -.281$, $p < .001$). Research unanimously supports the contention that school climate affects job satisfaction on the part of staff personnel. When job satisfaction is positive, staff personnel are motivated toward serving the organization and goal achievement. Such an attitude leads to improved attendance. The result of this finding is similar to the results found by Patrick (Patrick 1995, p. 32), Taylor and Tashakori (Taylor & Tashakori 1994, p. 17), Hoy and Miskel (Hoy & Miskel 1996, p. 72).

Discussion

The variables like gender, age, tenure, distance from home to work, number of dependents, the role conflict, job satisfaction in general, central life interest and job involvement are related to attendance behaviour of the teachers. Some absenteeism due to these variables is not only likely but expected over time. However school administrators may have some tools at their disposal to reduce absenteeism that is related to variables like distance from home to work and gender. School administrators could provide staff quarters for the teachers near the school campus or by arranging school bus to pick up the teachers from their residence to the school on time and thereby reduce absenteeism that is related to travel. Traditionally, absenteeism associated with women teachers has been attributed to child care responsibilities. School administrators could play an important role in reducing this type of absenteeism by providing facilities such as child care referral services and by emphasizing the importance of the teachers job, women teachers could be encouraged to share more of the child care responsibility with their spouses.

Implications also arose from the findings that teachers who are generally more satisfied with their jobs have less absenteeism. Thus it becomes important to consider factors that encourage higher levels of satisfaction for

teachers. Improving the teacher-administration relationship, reducing excessive clerical work required of teachers, better handling of student's behavioural problems and consistency in dealing with student discipline problems are some of the factors that encourage higher levels of satisfaction for teachers.

If social pressure on teachers and intrinsic orientation toward service to the community are important, then teachers who come from the area near the school might have lower absence rates (Jacobson et al. 1993, p. 12). In our data, this effect comes through strongly. A teacher who is born in the district where the school is located has a much lower absence rate and the effect is generally highly significant.

Another plausible measure of ties to the community is the teacher's tenure at the school. Teachers with longer tenure feel a greater connection to the community, increasing their non-pecuniary motivation. Increasing the tenure of the services of teachers in a particular school will enable them to have closer ties with the communities and that will increase their responsibilities towards the communities and consequently the absence rate of teachers will also decline.

Friendly relations and leadership style of the school headmasters were found to be associated with the rate of teacher absences. Teachers who had supportive principals were less likely to report stress-related illnesses than those with unsupportive principals. The findings suggest that Organizational support increases an employee's efforts to meet the organization's goals through greater attendance.

Research findings unanimously support the argument that school climate affects job satisfaction on the part of school teachers. It seems a truism that a school where teachers feel happy and appreciated will be less likely to have high levels of staff absenteeism than one where the reverse is the case. When job satisfaction is positive, staff personnel are motivated toward serving the organization and goal achievement (Eisenberg et al. 1986, p. 502). Such an attitude leads to improved attendance.

A set of beliefs and practices among a school's staff concerning what frequency and duration of absence is individually and organizationally acceptable, or what they define as the 'absence culture', can be of critical importance. The social context of the school may have more bearing on its absenteeism level than the sum of individuals' contributions to that level.

Workplace norms which tolerate high levels of absence are likely to maintain those levels irrespective of who is appointed to the staff. So adoptions of prompt measures to change the 'absence culture' of the schools are important to reduce the absence rate of teachers from the Government schools.

Healthy teachers are less likely to fall ill, and a wellness program can encourage good health. Teacher absenteeism can be reduced by offering the teachers' medical screening, fitness assessment, goal setting, exercise and nutrition prescriptions, health education, exercise classes, motivation, and feedback.

Limitations

Some limitations on the generalizability of this study's results are listed below. Inferences from this study must take these limitations into account:

1. The findings of the study are subject to the limitations associated with survey and interview data collection;
2. The study is further limited in that it used self-report measures of absence, which is highly subjective.
3. Data obtained from a uncontrolled laboratory experimental situation, as real world situations do not necessarily conform to controlled clinical laboratory settings;
4. Demographics of the schools.
5. Another limitation to the study was that the impact, by school, was not examined in depth.

Conclusion

Teacher absenteeism is an important issue that deserves school authorities' utmost attention, as it certainly has a negative pedagogical impact. Aware of the direct and indirect impacts associated with absenteeism, the school management must find out the specific factors that are responsible for teacher absenteeism and take appropriate measures to curb this challenging problem.

The study focused on the relationship between personal characteristics, school characteristics, community characteristics and absence of teachers. Significant correlations were found and it is important for school management to understand these dynamics in order to control absenteeism in the workplace. Schools need to have stringent policies in place to control absenteeism, and a culture of attendance needs to be cultivated amongst teachers. School headmasters should introduce support measures that serve to improve work and working conditions for teachers. Provisions for the airing of grievances, student discipline, evaluation of performance, and feedback on work performance are examples of such support measures. Employee assistance programs should be established in the schools that provide for personal counseling for teachers who have excessive absences.

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