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ABSTRACT
              High stress levels experienced by child protection
workers have been well documented. This study examined the
effectiveness of a stress management program in a child protection
agency. Subjects were case workers, immediate supervisors, and
clerical staff; 320 subjects participated in pretesting and 279
subjects participated in posttesting. Subjects participated in one of
three groups: a stress intervention program for an extended time; a
stress intervention program for a short time; or a no-intervention
control program. All subjects completed a self-report questionnaire
before and after interventions which assessed demographics and
included all three subscales of the Maslach Burnout Inventory, four
subscales of the Work Environment Scale, the General Health
Questionnaire, two scales assessing perceived role conflict and role
ambiguity, and a scale of global job satisfaction and intent to
turnover. The results revealed that the long-term and short-term
intervention groups reported lower levels of physical and
psychological complaints and a more favorable perception of their
work environment then did the control group. The pattern was more
pronounced for the long-term intervention group. It appeared that the
basic components of the program had some impact in improving peer
support, reducing levels of somatic complaints, improving a sense of
personal accomplishment, reducing work pressure and role ambiguity,
and improving job satisfaction. (NB)

Evaluation of a Stress Management Program in a Child

Protection Agency

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Evaluation of a stress management program in a child

protection agency.

Problem or Major Purpose:

There has been an extensive theoretical and empirical docu-
mentation of the high stress levels experienced by human service
workers in general and child protection workers in particular
(Berkeley Planning Associates, 1977; Chess & Norlin, 1981;
Cahill, 1986; Faber, 1983). This body of research has identified
a number of sources of stress in the work environment of human
service agencies (Barrett & Mackelvey, 1980).

However, while the empirical basis for documenting high
stress levels for this population appeared to fairly good, there
were very few empirical studies examining the effectiveness of
programs designed to reduce or buffer these stress levels.

At the individual level, efforts have been aimed at stress
inoculation programs designed to improve personal coping skills
(Shannon, & Saleeby, 1980; Wertkin, 1985). While these studies
concluded that some of the intervention strategies were effec-
tive, they were weakened by a failure to identify specific out-
come measures and the absence of control groups. A second
strategy has been aimed buffering the effects of stress by
increasing levels of social support (Carrilio & Eisenberg, 1984;
Scully, 1983). While the inverse relationship between social
support and burnout has been well established (Davis-Sacks, Jay-
aratne, & Chess, 1985; Etzion, 1984; Pines, 1983), research eval-

uating this as a planned intervention strategy has again not utilized control groups or well established outcome measures.

One study which did utilize a control group and standardized measures (Jackson, 1983) concluded that increased participation in decision making decreased levels of role conflict and role ambiguity and increased levels of perceived influence for nurses and clerical staff in an outpatient facility.

Additional empirical evaluation of planned intervention strategies would appear to be warranted to further expand the findings of Jackson '1983). The current study was designed to assess this type of p_ :nned intervention in a child protection agency.

Subjects:

Subjects were case workers, immediate supervisors and clerical staff in a child protection agency. A total of 320 subjects were involved in pre-testing and 279 were involved in post-testing.

Procedure:

Twelve district offices in the agency were classified by size and geographic location and then randomly assigned to one of three treatment groups. The pilot group received the stress intervention program first and was involved in the intervention program for the longest period of time, The experimental group received the program several months after the pilot offices. The third group were control offices and received no ir ervention program.

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Description of Intervention Program:

1) Educational Program - Each district office which par-
ticipated in the program received a one day training session.
This training consisted of an explanation of the physiology and
psychology of stress.

2) In-service days - This component of the program was
initiated one month after the initial training session. Partici-
pating district offices were given one day a month where the nor-
mal activities of the office were suspended. In addition to this
"protected time" a wide range of training programs were provided
to the staff on these days. These training programs included a
number of stress management and reduction strategies. Staff were
also encouraged to plan group activities which would build social
support.

3) Supervisory training:

Supervisory support has been consistently found to be an
important buffer for human service workers (Cherniss, 1980). The
intervention program therefore provided a half day training pro-
gram for all supervisors in the pilot and experimental district
offices. The main focus of this training was to assist supervi-
sors in providing proactive, supportive supervisory sessions and
to increase the amount of positive feedback that they gave to
their staff.

Outcome Measures:

All subjects completed a self-report questionnaire before
and after the intervention program. In addition to demographic
information, the questionnaire included the following scales:

1) all three subscales of the Maslach Burnout Inventory emotional exhaustion, depersonalization, and personal accomplishment (Maslach & Jackson, 1981).

2) four subscales from the Work Environment Scale; involvement, peer cohesion, supervisory support, and work pressure (Moos 1981).

3) The General Health Questionnaire (Goldberg, 1978).

4) Two scales assessing perceived role conflict and role ambiguity (Caplan, Cobb, French, Van Harrison, & Pinneau, 1980).

5) Global job satisfaction and Intent to Turnover (Quinn & Staines, 1979).

Results

Initial analysis indicated that the three groups were equivalent at pre-testing with the exception that the pilot group had fewer black respondents than the experimental and control groups. To check for possible confounds caused by this variable, multiple regressions were run to see if race predicted any of the outcome measures. No significant results were found. One way analyses of variance were run for all of the post-test outcome measures by treatment groups. Significant results were found for the following variables; peer cohesion ($p< .03$), work pressure ($p <.03$), personal accomplishment ($p <.007$), General Health Questionnaire ($p <.0001$), role ambiguity ($p< .02$),
Job Satisfaction ($p < .04$) and intent to turnover ($p < .0003$). Post hoc analyses revealed that the significant differences were between the pilot and control groups with the exception of the general health questionnaire where both the pilot and the exper-

imental groups were significantly different from the pilot groups and the work pressure scale where the experimental group was significantly higher than the control group.

Mean scores were in the expected direction. The pilot and experimental groups reported lower levels of physical and psychological complaints as well as a more favorable perception of their work environment. The pattern was more pronounced for the pilot offices. In no instance did the control group report a lower level of complaints or a higher perceived work environment.

Discussion:

These results would appear to support the conclusion that the intervention program had some positive effect. The pattern of the results argues against these findings being merely the result of the Hawthorne effect, since the offices that had the program the longest also reported the most consistent positive results. It would appear that the basic components of the program did have some impact in improving peer support, reducing levels of somatic complaints, improving a sense of personal accomplishment, reducing work pressure and role ambiguity and improving job satisfaction. While the current results can not verify this, it would seem likely that continued participation in the program would also improve the performance of the experimental group.

Several aspects of the study should be noted. The intervention was clearly not powerful enough to significantly effect the several important outcome measures including role conflict, two aspects of burnout and supervisory support. Future intervention

programs should explore ways to impact on these variables.

References

Barrett, M.C, & McKelvey, J. Stresses and strains of the child welfare worker: Typologies for assessment. Child Welfare, 1980, 59, 277-285.

Berkeley Planning Associates. Evaluation of child abuse and neglect demonstration project, 1974-1977, Vol IX. Project management and worker burnout. Washington, D.C.:National Technical Information Service, 1977.

Cahill, J. Occupational stress and social service workers. Presented at Eastern Psychological Association Meeting, New York, New York, April, 1986.

Caplan, R.D., Cobb. S., French, J.R.P., van Harrison, R. & Pinneau, S.R. Job demands and worker health. Ann Arbor, MI.: Institute for Social Research, 1980.

Carrilio, T.E. & Eisenberg, D.M. Using peer support to prevent worker burnout. Social Casework, 1984, 65, 307-310.

Cherniss, C. Staff burnout: Job stress in the human services. Beverely Hills, CA.: Sage, 1980.

Chess, W.A., & Norlin, J.M. Child abuse and neglect in Oklahoma. Norman, Oklahoma: Center for Social Work Research, 1981.

Davis-Sacks, M.L., Jayaratne, S., Chess, W.A. A comparison of the effects of social support on the incidence of burnout. Social Work, 1985, 30, 240-244.

Etzion, D. Moderating effect of social support on the stress-burnout relationship. Journal of Applied Psychology, 1984, 69, 615-622.

Goldberg, D. Manual of the general health questionnaire.

Windsor: National Foundation for Educational Research, 1978.

Maslach, C. & Jackson, S. The measurement of experienced burnout. Journal of Occupational Behavior, 1981, 2, 99-113.

Moos, R.H. Work Environment Scale. Palo Alto, CA.: Consulting Psychologists Press, 1981.

Quinn, R.P., & Staines, G.L. The 1977 quality of employment survey. Ann Arbor, MI.: Institute for Social Research, 1979.

Scully, R. The work-setting support group: A means of preventing burnout. In B.A. Faber (Ed.) Stress and burnout in the human service professions. New York : Pergamon, 1983.

Shannon, C., & Saleeby, D. Training child welfare workers to cope with burnout. Child Welfare, 1980, 59, 463-468.

Wertkin, R. A. Stress-inoculation training: Principles and applications. Social Casework, 1985, 1S, 611-616.