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See end of article for authors’ affiliations

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Objectives: To study supervisory behaviour as a predictor for return to work of employees absent due to mental health problems; and to explore the association between conditional factors and supervisory behaviour.

Methods: Eighty-five supervisors of employees were interviewed by telephone. Questionnaires providing information on person-related factors, depressive symptoms, and sickness absence were sent to the employees at baseline, three months, six months, and after one year. Three aspects of supervisory behaviour during the period of absence were measured: communication with the employee, promoting gradual return to work, and consulting of other professionals.

Results: Better communication between supervisor and employee was associated with time to full return to work in non-depressed employees. For employees with a high level of depressive symptoms, this association could not be established. Consulting other professionals more often was associated with a longer duration of the sickness absence for both full and partial return to work. If sickness absence had financial consequences for the department, the supervisor was more likely to communicate frequently with the employee. Supervisors who were responsible for return to work in their organisation were more likely to communicate better and to consult more often with other professionals.

Conclusion: Supervisors should communicate more frequently with employees during sickness absence as well as hold follow-up meetings more often as this is associated with a faster return to work in those employees.

Sickness absence is not solely determined by ill health, but is also influenced by factors such as work environment and social support. Consequently, regaining health does not necessarily result in return to work. In employees who are absent due to mental health problems, this notion is substantiated by the finding that symptom reduction is not always followed by work recovery. However, little is known of the non-medical determinants of successful return to work in employees with mental health problems.

Supervisory behaviour has been mentioned as one of these non-medical determinants of return to work. Supervisors are expected to play a key role in the return to work process, in addition to occupational health professionals or other medical professionals. Supervisors are most familiar with the requirements of the job, they are the first to communicate with workers about return to work, and they usually have the authority to implement adjustments in working conditions. Therefore, several authors have argued that supervisory behaviour is an important determinant of return to work in workers with physical injuries.

It is difficult to draw an overall conclusion on the effect of supervisory behaviour on sickness absence since different study designs, different populations, and different measures of supervisory behaviour and outcome are used. Two cross-sectional studies showed that positive supervisory behaviour was associated with fewer workdays lost and better job accommodation in employees who had successfully returned to work. Even though we found no prospective studies that concerned supervisory behaviour towards employees during sickness absence, supervisory support prior to the period of absence was found to be predictive of the rate of return to work in employees with health complaints. In workers with mental health problems it was shown that support by the supervisor had an influence on the incidence of periods of short-term sickness absence.

Over the years, several interventions have been evaluated in which supervisors were trained to display positive supervisory behaviour. Although these training sessions were effective in enhancing positive supervisory behaviour, their effect on sickness absence was inconsistent. Wood showed a decrease in long-term absence at the organisational level. Moreover, McLellan and colleagues found a reduction in sickness absence days as reported by the supervisors themselves. In contrast to these positive results, Jensen and Bodin could not show a positive effect of supervisory behaviour on the return to work rates of employees on sick leave due to back pain.

In summary, evidence tentatively suggests that supervisory behaviour can influence sickness absence by influencing the non-medical aspects of absenteeism. However, the effect of supervisory behaviour and its various components on return to work of employees with mental health problems has not yet been established. Therefore, we studied supervisory behaviour as a predictive factor for return to work of employees with mental health problems, while accounting for the potential confounding effect of severity of psychological symptoms and person-related factors such as age, gender, and occupation.

Conditional factors such as organisation policy or quality of the work relationship with the employee may hinder or enhance positive supervisory behaviour. For instance, a financial incentive within the organisation predicts the likelihood that supervisors will make efforts to promote return to work. More insight into the association between

Abbreviations: DASS, Depression Anxiety Stress Scales; HR, hazard ratio; V, Cramer’s V; CI, confidence interval
conditional factors and supervisory behaviour may provide points of departure for future interventions. Therefore, the secondary aim of this study is to explore the association between conditional factors and supervisory behaviour.

**METHODS**

**Participants**
As part of a longitudinal cohort study of employees with mental health problems, we approached individual occupational physicians to participate in the study and to ask their colleagues to join them. This snowball method resulted in 30 occupational physicians from nine occupational health services who provided data on consecutive patients. Eligible employees had to be on sick leave due to mental health problems for less than six weeks. Mental health problems were defined as psychological symptoms that were reported by the employee. Employees with psychological symptoms which were caused by a somatic disorder were excluded from the study. Any previous consultation with the occupational physician had to be more than three months previously in order to select incident cases only.

Data on 277 employees were reported to us by the occupational physicians, of which 66 (24%) refused to participate in the cohort study. Of the 211 eligible employees who signed an informed consent form, 198 filled out the baseline questionnaire. Of these patients, 98 gave the researchers additional consent to contact their supervisor. All 98 supervisors were approached, five of whom refused to participate. Eight supervisors could not be contacted or interviewed despite at least five attempts. In total, 85 supervisors were actually interviewed.

**Procedure**
The inclusion period of the study lasted from March 2001 until February 2002. All employees were monitored for one year. According to the Dutch sickness absence insurance system of that time, an employee could be sick listed for one year, after which the assessment for a permanent disability benefit would take place. Employees were sent questionnaires at baseline, and 3, 6, and 12 months. Supervisors were interviewed by telephone six months after the baseline questionnaire. A copy of the interview questions was sent to the supervisors beforehand. The duration of the interviews varied from 5 to 15 minutes.

**Measures**

**Outcome measures**
Time to full return to work was defined as the number of days between the first day of sickness absence and the first day of full return to work. Full return to work was operationalised as working the same number of hours as prior to the sickness absence. Partial return to work was the secondary outcome measure of this study. Partial return to work was operationalised as a first return to work, regardless of the number of hours per week. Time to return to work could exceed 365 days due to the time between the first day of absence and the time of baseline measurement. Absence data were retrieved with each questionnaire. Moreover, at the last follow-up participants were asked to give an overview of their sickness absence during the previous 12 months. If inconsistencies were discovered between that overview and their answers in earlier questionnaires or if absence data could not be retrieved from the questionnaire, the sick leave register of the occupational health service was consulted.

**Supervisor interview**
All data on supervisory behaviour and conditional factors were derived from a standardised telephone interview comprising 19 questions. Three aspects of supervisory behaviour were distinguished: communication with the employee, promoting a gradual return to work, and consulting with professionals such as human resource managers and psychologists. For example, one question concerning communication with the employee was: “Did you initiate contact with the employee during the period of sickness absence?” If the answer was affirmative, then the following questions were: “How often?” (more than once a week, once a week, once every two weeks, or once a month); and “How?” (by telephone, face-to-face, or by email).

To compute indicators of supervisory behaviour, the answers were classified into potentially positive and potentially negative contributions to the return to work process. For each indicator, specific criteria were formulated. See the Appendix for a detailed description of the indicators and criteria. Indicators could be assigned a 1 (positive supervisory behaviour) or a 0 (no positive supervisory behaviour).

In addition, we asked the supervisors six questions with regard to the following conditional factors: Does the employer charge any financial consequences of absence to supervisor’s department? (yes/no); Is sufficient funding for rehabilitation purposes available? (yes/no); Is supervisor responsible for return to work? (yes/no); Was employee motivated for work prior to sickness absence? (yes/no); Was performance of employee at work satisfactory prior to sickness absence? (yes/no); Was work relationship with employee good? (yes/no).

**Questionnaire**
Data on patient characteristics were collected with the baseline questionnaire. The questionnaire provided information on severity of psychological symptoms, age, gender, occupation, and self-reports of mental health problems. Severity of psychological symptoms was measured by the Depression subscale of the Depression Anxiety Stress Scales (DASS),17 because depression was shown to be more predictive of a longer duration of sickness absence than other types of mental health disorders.18 The DASS-42 consists of 42 symptoms divided into three subscales of 14 items: Depression Scale, Anxiety Scale, and Stress Scale.
Participants rated the extent to which they had experienced each symptom over the previous week on a four point Likert scale ranging from 0 (did not apply to me at all) to 3 (applied to me very much, or most of the time). We dichotomised the Depression Scale applying the cut off score of >12.19

We categorised occupation into three groups: mentally demanding work, a combination of mentally and physically demanding work, and physically demanding work.20 Branches of industry were classified according to the NACE nomenclature.21 The cause of the mental health problems was assessed by one item: “What do you perceive to be the cause of your sickness absence?” Possible answers were high workload, conflicts with supervisor or colleagues, and personal circumstances. If none of these answers applied, patients could specify another cause for their sickness absence. The answers to this question were dichotomised into work related (solely work related or work related in combination with another cause) and not work related.

Statistical analysis
First, we calculated the percentage of supervisors who met our criteria for positive supervisory behaviour. Next, we examined the multivariate associations between supervisory behaviour and time to both partial and full return to work by using Cox’s regression analysis. The three indices of supervisory behaviour were related to outcome in three separate analyses. At the first stage of these analyses, the influence of one component of supervisory behaviour on time to return to work was examined. Subsequently, the proportional hazard assumption was tested for all three components of supervisory behaviour separately. Therefore, an interaction term of time, defined as before or after a point in time, with supervisory behaviour was added to the equations. The cut off point for time was determined after a visual inspection of the log minus log graph.

At the second step of the analyses, all three models were checked for the confounding influence of severity of depressive symptoms, age, gender, occupation, and self reported cause of mental health problems. These possible confounders were added to the models one by one. If a change in hazard ratio (HR) for supervisory behaviour of more than 10% was observed, the variable was identified as a confounder and included in the multivariate model. In the third step, the interaction term of severity of depressive symptoms and supervisory behaviour was added to the models to examine the modifying effect of depressive symptoms.

Finally, in order to address our second research aim, we described associations between conditional factors and supervisory behaviour by means of calculating Cramer’s V. This measure of association was used because both conditional factors and supervisory behaviour were dichotomous variables. The value ranges between 0 and 1, with 0 indicating no association between the row and column variables and values close to 1 indicating a high degree of association between the variables.

Analyses were performed using the SPSS, version 10.0.7, software package (SPSS Inc., Illinois, USA).

RESULTS
Employees
Table 1 presents the employee characteristics at baseline. A non-response analysis including time to return to work, severity of depressive symptoms, age, gender, occupation, and cause of mental health problems revealed no statistically significant or relevant differences between employees who did or did not give permission to contact their supervisor. We were unable to retrieve the sickness absence data of four employees whose supervisors were interviewed. Time to return to work ranged from 7 to 476 days with a median of 91 days for partial and 215 days for full return to work. At the end of follow up, 18 (22%) employees had not fully returned to work but 17 of these had partially returned to work.

Supervisory behaviour
Table 2 displays the frequencies of positive supervisory behaviour.

Communication with employee
A majority of the supervisors (72%) contacted their employees at least once every two weeks. Most supervisors (89%) had organised a follow up meeting after the employee had first returned to work or partially returned to work. In 55 cases (65%) the supervisor satisfied both criteria.

Promoting gradual return to work
In only a minority of the cases was the explicit discussion of a return to work plan a substantial feature of the contacts between supervisor and employee (14%). Supervisors stimulated return to work before complete recovery of symptoms in only 22 cases (26%). This was mainly due to the belief that employees should be free of symptoms in order to return to work. Our criteria for work accommodation were met in 53 cases (62%). In 68% of these 53 cases, modifications in the number of working hours were carried through, while work content was modified in 61% of the cases.

Consulting with professionals
Most supervisors (79%) consulted occupational physicians regarding return to work of their employees. Other professionals were consulted slightly more often (82%).

Relation between supervisory behaviour and outcome
Table 3 presents the results of the Cox’s regression analyses. Since Cox’s regression is a survival analysis, hazard ratios indicate the hazard of dying whereas in our case the event is return to work. Therefore, a hazard ratio smaller than one indicates a risk of a longer time to return to work. The first step revealed no main effects of supervisory behaviour on full return to work in any of the three models. Furthermore, the proportional hazards assumption was not violated in any of the three supervisory behaviours. The second step indicated that the addition of confounders did not account for more than a 10% change in the HR in any of the models. To examine the interaction of severity of depressive symptoms and supervisory behaviour, severity of depressive symptoms was also added to the model in step three.

According to the Wald statistic, the interaction term introduced in step three was statistically significant.

### Table 1 Employee characteristics at baseline

<table>
<thead>
<tr>
<th>Employee characteristic</th>
<th>Gender, % male</th>
<th>Age, mean (SD)</th>
<th>Description of occupation, %</th>
<th>Mentally demanding (light and heavy)</th>
<th>Combination of mentally and physically demanding</th>
<th>Physically demanding (light and heavy)</th>
<th>Type of occupation, %</th>
<th>Education</th>
<th>Public administration</th>
<th>Real estate, renting and business activities</th>
<th>Transport, storage and communication</th>
<th>Health and social work</th>
<th>Manufacturing</th>
<th>Wholesale and retail</th>
<th>Cause of mental health problems, % work related</th>
<th>Severity of depressive symptoms, % DASS-D &gt;12</th>
<th>Severity of depressive symptoms, % DASS-D 8-12</th>
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</thead>
<tbody>
<tr>
<td>Gender, % male</td>
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<td>Age, mean (SD)</td>
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<td>Real estate, renting and business activities</td>
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<td>Transport, storage and communication</td>
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<td>Cause of mental health problems, % work related</td>
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<tr>
<td>Severity of depressive symptoms, % DASS-D &gt;12</td>
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<td>Severity of depressive symptoms, % DASS-D 8-12</td>
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Due to missing values, n is 83 or 84.
The HR for communication with the employee was 3.5 (95% CI 1.4 to 8.9) for employees with DASS-D scores lower than 12, which corresponds to a median of 341 days in the group with positive supervisory behaviour compared to 118 days in the other group. For employees with higher DASS-D scores, the analysis revealed an HR of 1.6 (95% CI 0.8 to 3.2, not in table, calculated from model), which corresponds with a median of 280 days in the group with positive supervisory behaviour compared to 223 days in the other group. The interaction term was neither statistically significant for promoting return to work nor for consulting with professionals. However, the addition of the interaction term for consulting with professionals did yield statistically significant main effects of both consulting with professionals and severity of depressive symptoms. The HR for consulting with professionals was 0.4 (95% CI 0.2 to 0.9) for all employees.

For a partial return to work, the first step also revealed no main effects of supervisory behaviour on duration of absence in any of the three models. As with full return to work, the second step indicated that the addition of confounders did not account for more than a 10% change in the HR in any of the models of partial return to work. The interaction term introduced in step three was statistically significant (p < 0.05) for the model with consulting with professionals. The HR for consulting with professionals was 0.4 (95% CI 0.2 to 0.8) for employees with DASS-D scores lower than 12. For employees with higher DASS-D scores, the analysis revealed

<table>
<thead>
<tr>
<th>Table 2 Frequency of positive supervisory behaviour (n = 85)</th>
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<tbody>
<tr>
<td>Supervisory behaviour</td>
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<tr>
<td>Communication with employee</td>
</tr>
</tbody>
</table>
| Regular contacts                                            72
| Appropriate follow up                                       89
| Calculation: 3 supervisors met none of the criteria, 27 met one criterion, and 55 met both criteria
| Promoting gradual RTW                                        |
| RTW plan is discussed                                       14
| Stimulating RTW                                              26
| Work accommodation                                          62
| Calculation: 21 supervisors met none of the criteria, 45 met one criterion, 15 met two criteria, and 4 met all three criteria
| Consulting with professionals                                |
| Contact with occupational physician                         79
| Contact with other professional                              82
| Calculation: 3 supervisors met none of the criteria, 27 met one criterion, and 55 met both criteria
| Criteria for positive and negative supervisory behaviour are shown in the Appendix.

Table 3 Cox’s regression of relation between independent variables and time to partial (n = 80) and full (n = 81) return to work

<table>
<thead>
<tr>
<th></th>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
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<tr>
<td></td>
<td>HR (95% CI)</td>
<td>HR (95% CI)</td>
<td>HR (95% CI)</td>
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<td>Full return to work</td>
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<td>Communication with employee</td>
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<tr>
<td>Depressive symptoms</td>
<td>1.6 (0.9 to 2.7)</td>
<td>1.7 (1.0 to 2.8)</td>
<td>3.5 (1.4 to 8.9)</td>
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<td>Communication × depressive</td>
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<td>Promoting return to work</td>
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<td>Depressive symptoms</td>
<td>0.6 (0.4 to 1.0)</td>
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<td>Consulting with professionals</td>
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<td>Consulting × depressive</td>
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<td>Partial return to work</td>
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<tr>
<td>Communication with employee</td>
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<tr>
<td>Depressive symptoms</td>
<td>1.3 (0.7 to 2.0)</td>
<td>1.3 (0.8 to 2.0)</td>
<td>1.7 (0.8 to 3.5)</td>
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<tr>
<td>Communication × depressive</td>
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<tr>
<td>Promoting return to work</td>
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<tr>
<td>Depressive symptoms</td>
<td>0.6 (0.4 to 1.0)</td>
<td>0.8 (0.4 to 1.8)</td>
<td>0.6 (0.2 to 1.6)</td>
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<tr>
<td>Consulting with professionals</td>
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<tr>
<td>Depressive symptoms</td>
<td>0.6 (0.4 to 1.5)</td>
<td>0.9 (0.4 to 1.5)</td>
<td>0.7 (0.3 to 1.8)</td>
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<tr>
<td>Consulting × depressive</td>
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<tr>
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<td>0.4 (0.2 to 0.8)</td>
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<tr>
<td>Consulting × depressive</td>
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RTW, return to work.
an HR of 0.3 (95% CI 0.1 to 0.7, not in table, calculated from model).

Conditional factors

Table 4 displays the frequencies of conditional factors and the associations with supervisory behaviour. Financial consequences are charged to the supervisor’s department in 42% of the cases. This was associated (V = 0.28) with positive supervisory behaviour with regard to communication with the employee. In 71% of the organisations, the supervisor was responsible for the return to work process. The occupational physician was considered responsible by the supervisor in 20% of the cases. Responsibility of supervisor was associated with positive supervisory behaviour regarding both communication with the employee (V = 0.31) and consulting with professionals (V = 0.29). None of the other conditional factors were significantly associated with supervisory behaviour.

DISCUSSION

We found that better communication between supervisor and employee is associated with favourable full return to work rates in non-depressed employees. For employees with a high level of depressive symptoms, this association could not be established. Contrary to our expectations, promoting gradual return to work was not related to time to partial and full return to work. Furthermore, we found a relation between consulting with other professionals and return to work which was contrary to our expectations. Consulting other professionals more often was associated with a longer duration of the sickness absence for both full and partial return to work. Supervisors communicated better and consulted other professionals more frequently if the supervisor was responsible for return to work and if sickness absence involved financial consequences for their department.

Our measure of supervisory behaviour was fairly comprehensive, covering three domains of supervisory behaviour that were mentioned as being important for return to work in the literature. Furthermore, in this study we could relate supervisory behaviour to return to work at the level of the individual employee since we interviewed the supervisor of each participant. Finally, our follow up period was long enough to for most employees to have completely returned to work by the end of follow up.

Three methodological features of this study should be taken into account when assessing our findings. The first methodological consideration points to the generalisability of the research findings. The cohort study consisted mainly of heterogeneous cohort by including employees from problematic population which is representative of the whole working companies or organisations, none of them will tend a Since occupational physicians always take care of specific employees from both the education and the services sector. the research findings. The cohort study consisted mainly of methodological consideration points to the generalisability of

<table>
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<th>Table 4 Conditional factors: percentages and associations (Cramer’s V) with supervisory behaviour (n = 85)</th>
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<tbody>
<tr>
<td><strong>Conditional factor</strong></td>
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<tr>
<td>Financial consequences charged?</td>
</tr>
<tr>
<td>Sufficient funding?</td>
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<tr>
<td>Supervisor responsible for return to work?</td>
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<tr>
<td>Employee motivated for work?</td>
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<tr>
<td>Work performance employee satisfactory?</td>
</tr>
<tr>
<td>Work relationship with employee good?†</td>
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</tbody>
</table>

* p<0.05
† Due to lack of variance, no associations between this conditional factor and supervisory behaviours were calculated.
The finding that frequent communication with the employee is associated with favourable outcome is in line with Wood and McLellan and colleagues, who advocated frequent communication in their training of supervisors. These results also correspond with earlier studies in which frequent consultations with the occupational physician were predictive of time to return to work in employees with adjustment disorders or back pain, and cancer survivors. The causal pathway of these findings remains unclear. Frequent contacts may elicit positive effects in the employee and may be perceived as social support, which in turn may accelerate return to work. In contrast, employees who lose contact with their supervisor or occupational physician may be especially problematical, which may account for the association found in observational studies. The observed relation between consulting with other professionals and return to work may be explained in the same way. Supervisors may consult other professionals sooner if they foresee problems in the return to work process, regardless of severity of depressive symptoms. The interaction with severity of depressive symptoms shows that the association with a later partial return to work is more pronounced in employees with higher levels of depressive symptoms.

The interaction between severity of depressive symptoms and communication with the employee suggests that the potentially favourable effect of communication was less clear in employees with high depression scores. This interaction can be interpreted in two ways. Firstly, sickness absence behaviour may be more determined by medical factors in employees with high levels of depressive symptoms compared to employees with less depressive symptoms. Since supervisory behaviour can only be expected to influence non-medical factors, this might explain the lack of supervisory influence on return to work of depressed employees. Secondly, employees with a high level of depressive symptoms may be more difficult to communicate with. According to interpersonal theories of depression, depressed individuals evoke negative responses from others more frequently. Hence, the nature of the communication between employee and supervisor may have been less beneficial in employees with high levels of depressive symptoms, regardless of the frequency of contacts.

From a practical point of view, these findings suggest that supervisors should take more advantage of the role of social support by frequent communication. For non-depressed employees this may enhance return to work, while it is not associated with higher levels of depressive symptoms.

The relation between being responsible, personally and/or financially, and frequent communication supports our idea that organisational factors are important for supervisory behaviour. However, the relation between supervisory behaviour and conditional factors that we found were relatively weak. This suggests that conditional factors are not absolute prerequisites for positive supervisory behaviour.

Moreover, the relation between supervisory behaviour and return to work seems to be more complex than we had hypothesised. Even though the results of our study do not directly support our hypothesis, we think that it would be worthwhile to organise a randomised study where supervisors are trained in managing return to work problems. That would make it possible to make more definite inferences about the influence of their behaviour on return to work. Our findings that there is an interaction with depressive symptoms should be taken into account. Furthermore, such a study could investigate the relation between the efforts of an employer and the wishes of the employee with regard to regular contacts.

In conclusion, our study shows some support for the hypothesis that supervisory behaviour is related to a shorter time to return to work in employees with mental health problems. Our advice to supervisors would be to keep in touch with employees who are sick listed at least once every two weeks.

ACKNOWLEDGEMENTS

Grants were obtained from: The Netherlands Organization for Scientific Research (NWO): Netherlands Concerted Research Action “Fatigue at Work”; Foundation for Replacement and Occupational Health in Education (Stichting VEBGZ).

APPENDIX: SUPERVISORY BEHAVIOUR CRITERIA FOR INDICATORS OF SUPERVISORY BEHAVIOUR

(1) Criteria for positive supervisory behaviour regarding communication with employee

I. Supervisor should contact employee at least once every two weeks either by telephone or face-to-face.

II. Supervisor should have follow up meeting with employee after first return to work or partial return to work of employee.

(2) Criteria for positive supervisory behaviour regarding promoting gradual return to work

I. Return to work is discussed explicitly during contacts between supervisor and employee.

II. Supervisor stimulates the employee to (partially or wholly) return to work before he or she is completely recovered.

III. Modifications in both work content and work schedule are provided. These modifications may be either temporary or permanent.

(3) Criteria for positive supervisory behaviour regarding consulting with other professionals

I. Supervisor consults occupational physician regarding return to work of employee.

II. Supervisor consults other professionals (e.g. human resource manager, community health care providers).

REFERENCES


Workers in eastern coffeehouses suffer effects of ETS

Researchers in Turkey have called for a ban on smoking in public places to be extended to coffeehouses, after their study showed a raised occupational risk of airway disease among workers there. This is the first study of its kind in the East, with wide ranging implications for countries where coffeehouses are part of the fabric of society, especially among unemployed and lower middle socioeconomic groups.

Coffeehouse workers—all men—were over five times more likely to have airway disease on the basis of symptoms, clinical findings, and lung function tests than other male workers in small shops nearby when confounding factors had been corrected for. The link was robust despite the high rate of smoking among both groups (86% and 76%, respectively). Comparing only smokers and correcting for pack years of smoking reduced the risk only slightly (odds ratio 4.99), showing that working in coffeehouses with their crowded, smoky atmosphere is an independent risk for airway disease. The two groups were broadly similar in mean years worked and time worked each week. Shopworkers worked in smaller premises, but their customers did not spend hours there smoking.

The cross sectional study drew on workers from three metropolitan districts of Izmir, 114 workers from 76 coffeehouses and 93 workers from 80 small shops with no known occupational risk factor for lung disease.

Data to support the likely damaging effects of environmental tobacco smoke were needed because eastern coffeehouses are different from western bars and restaurants, where previous research has been done. ▲ Fidan F, et al. Tobacco Control 2004;13:161–166.

Supervisory behaviour as a predictor of return to work

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