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**The Interaction between Supportive and Unsupportive
Manager Behaviors on Employee Work Attitudes**

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3 **The Interaction between Supportive and Unsupportive Manager Behaviors on**
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5 **Employee Work Attitudes**
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8 *Purpose:* To use Social Exchange Theory (SET) to examine a model where supportive
9 (SMB) and unsupportive (UMB) manager behaviors interact to predict employees'
10 engagement, job satisfaction and turnover intention.
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12 *Design/Methodology:* A cross-sectional online survey collected data from 252 UK based
13 employees of a global data management company.
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16 *Findings:* Factor analysis confirmed manager behaviors to consist of two constructs:
17 supportive and unsupportive behaviors. Structural equation modelling indicated SMB
18 predicted job satisfaction and turnover intentions, but not engagement. Job satisfaction, but
19 not engagement, mediated the SMB-turnover intention relationship. UMB only predicted job
20 dissatisfaction. Neither job satisfaction nor engagement mediated the UMB-turnover
21 intention relationship. UMB undermined the positive relationship between SMB and turnover
22 intention.
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26 *Implications:* The behaviors assessed can be integrated into various stages of a manager's
27 development process to serve as guidelines of good practice. Crucially, findings suggest
28 managers can exhibit both supportive and unsupportive behaviors, and that consistency in
29 behaviors is important. The study also provides evidence that supportive managers can help
30 reduce turnover intention through job satisfaction.
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33 *Originality/value:* SET was used as a framework for SMB, UMB and engagement. To our
34 knowledge this is the first study to examine the interaction between SMB and UMB.
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38 **Keywords:** Supportive manager behaviors; unsupportive manager behaviors; social exchange
39 theory; job satisfaction; engagement; turnover intention
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42 **Article Classification:** Research paper
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The Interaction between Supportive and Unsupportive Manager Behaviors on Employee Work Attitudes

The quote “People leave managers, not organizations” (Tate and White, 2005, p.2) is often cited when discussing turnover. As social support is an important source in reducing the risks of workplace stressors and in protecting worker health, a manager who is seen as supportive is more likely to have employees who intend to remain in their current employment (Maertz *et al.*, 2007). The evidence has consistently demonstrated that positive social support is associated with improved engagement (MacLeod and Clarke, 2009), organizational citizenship behavior (Chênevert *et al.*, 2015), wellbeing (Luchman and Gonzalez-Morales, 2013), job satisfaction and productivity (Baruch-Feldman *et al.*, 2002). Hence, in trying to improve the working environment, social support is a crucial buffer towards workplace stressors, and it is important to understand what impact support from the manager has on the employee.

Although supportive manager behaviors (SMB; Rooney and Gottlieb, 2007; Yarker *et al.*, 2007) and perceived supervisor support (Shanock and Eisenberger, 2006) have received considerable attention, the effects of unsupportive manager behaviors is less commonly examined (UMB). What is known typically stems from the more extreme side of negative leadership, such as abusive supervision (Mitchell and Ambrose, 2007) and destructive leadership (Schyns and Schilling, 2013). Even less attention has been given to the idea that managers can exhibit different types of leadership behaviors (Kelloway *et al.*, 2006), and little is known about the possible interactions between SMB and UMB. Consequently, this study examines the construct of SMB and UMB using Social Exchange Theory (SET) in relation to three common employee measures: engagement, job satisfaction and turnover intention (See Figure 1 for proposed model). The selection of engagement reflects the interest of the UK government in the manager-engagement relationship (MacLeod and Clarke, 2009).

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3 In addition, another popular SET employee attitude (job satisfaction) is included as a
4 comparison, and we continue the examination of other researchers (Rooney *et al.*, 2007;
5 2009) on the impact of SMB on turnover intention.
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10 **[Insert Figure 1]**
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12 *Social Exchange Theory in the Workplace*

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14 Social Exchange Theory (SET; Blau, 1964) states that relationships are maintained between
15 two parties by a state of reciprocal interdependence. It proposes that when one party acts in a
16 manner which benefits a second party, there is an obligation and expectation that the second
17 reciprocates the favor (Blau, 1964). Unlike economic or contractual exchanges, SET is
18 predicated by relationships which are nurtured over time (Aryee *et al.*, 2002), with
19 reciprocation of the socioemotional benefits having behavioral, cognitive or emotional
20 implications (Blau, 1964; Cropanzano and Mitchell, 2005). It can be construed that the
21 employee and the source of support are two actors in the exchange relationship. Within
22 organizational research, SET typically examines how perceived organizational and supervisor
23 support is reciprocated by employees (Shanock and Eisenberger, 2006).
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38 In addition to the source, a second aspect of support is the type of support, which
39 comes in the form of instrumental and emotional support (Haslam *et al.*, 2005). The former
40 refers to the tangible support an employee receives to complete work duties, whilst the latter
41 is the care and concern employees might receive that gives them a sense of worth and
42 belonging. Managers have the ability to influence the work environment by providing job
43 resources and determining work conditions, thereby providing both emotional and
44 instrumental support in the workplace (Luchman and Gonzalez-Morales, 2013). Hence,
45 employees are more likely to reciprocate positively to a conducive environment set by the
46 manager (Settoon *et al.*, 1996), explaining why the manager-employee relationship has been
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3 found to have a stronger influence on organizational outcomes than relationships with co-
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5 workers (Liaw *et al.*, 2010). This reciprocity is typically initiated by the leader (Graen and
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7 Uhl-Bein, 1995), and if the employee responds favorably an interdependent relationship can
8
9 ensue. These employees will then receive additional support, resources and opportunities
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11 (Cropanzano and Mitchell, 2005), leading to the nature of the social exchange relationship
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13 continually altering (Erdogan and Liden, 2002).
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16 17 18 *Engagement* 19

20 SET provides a theoretical framework explaining employee engagement (Agarwal,
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22 2014; Ghosh *et al.*, 2014), which is conceptualized by Schaufeli *et al.*, (2006) as being fully
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24 engrossed, deriving enthusiasm and pride, and having high levels of energy and investment in
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26 one's work. In a report to the UK government, engagement was identified as having a crucial
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28 role in bringing the national economy out of recession (MacLeod and Clarke, 2009; Rayton *et*
29
30 *al.*, 2012). So long as both parties abide by the rules of exchange, the social exchange
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32 relationships will over time, develop into loyal, trusting and mutual commitments
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34 (Cropanzano and Mitchell, 2005). This is congruent with Robinson *et al.*'s (2004) notion of
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36 engagement as a two-way relationship between the organization and the employee. In
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38 response to the resources received from the other party (i.e., organization, manager),
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40 employees can devote greater cognitive, emotional and physical resources to their
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42 organizations, and adjust the levels with which they engage their work in response to the
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44 resources and support received (Saks, 2006). To our knowledge there have been few attempts
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46 to examine engagement from a SET perspective (Agarwal, 2014; Ghosh *et al.*, 2014), with
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48 the effect of manager support being less conclusive than that from the organization. However,
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50 while engagement is typically examined from a job demands-resources model, the positive
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3 relationship between job resources and engagement has been explained through the reciprocal
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5 nature of SET (e.g., Dollard and Bakker, 2010; Xanthopoulou *et al.*, 2009).
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8 The importance of managers is highlighted by the report to the UK government
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10 identifying effective managers as being one of the four drivers for engaging the workforce
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12 (MacLeod and Clarke, 2009; Rayton *et al.*, 2012), despite the empirical evidence between
13
14 manager behaviors or leadership with employee engagement being less clear. Rhoades and
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16 Eisenberger's (2002) meta-analysis on organizational support theory, which includes
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18 supervisor support as a representative of the organization, did not include engagement. In a
19
20 review of 91 studies, Christian *et al.* (2011) found that job characteristics, leadership and
21
22 employees' personality preceded engagement, with leadership having the weakest
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24 relationship with engagement. Considering that Christian *et al.*'s coverage of leadership only
25
26 encompassed transformational leadership and the leader-member exchange, which are
27
28 conceptually different from the assessment of supportive behaviors, a behavior based
29
30 examination might yield different results. This study continues the work on Saks' (2006)
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32 framing of engagement within SET, that when managers meet the professional and personal
33
34 needs of their employees, it is plausible that like perceived organizational support, employees
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36 reciprocate with higher engagement levels. As such, it is hypothesized that:
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41 *H1: Supportive manager behaviors are positively related with engagement.*
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45 *Job Satisfaction*

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47 The inclusion of job satisfaction in this study allows a comparison with what some have
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49 argued to be conceptually similar to engagement (Macey and Schneider, 2008). According to
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51 SET, when the employee feels supported, their job satisfaction can improve as
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53 socioemotional needs are met or there is the signaling of the availability of aid to employees
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55 (Rhoades and Eisenberger, 2002). Managers can increase the job satisfaction of their staff by
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3 providing constructive feedback that allow employees to feel valued, or by enhancing work
4 characteristics like autonomy and group cohesion while reducing ambiguity (Lee and
5 Cummings, 2008). Furthermore, SET postulates that perception of support can lead to
6 employees responding affectively, with a lack of support leading to increased job
7 dissatisfaction (Johnson and O'Leary-Kelly, 2003; Rooney *et al.*, 2007; 2009).
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15 Although the literature surrounding job satisfaction and manager support has focused
16 on perceptions of support, it would be anticipated according to SET that the provision of
17 tangible supportive behaviors will demonstrate a similar effect. As a result, it is predicted
18 that:
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24 *H2: Supportive manager behaviors are positively related with job satisfaction.*
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28 *Turnover Intention*

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30 SET would advocate that low support quality could be reciprocated by increased turnover
31 intention (Cropanzano and Mitchell, 2005; Mossholder *et al.*, 2005). Commitment to an
32 organization and job can manifest itself as both an affect and/or behavior, and can therefore
33 be used by an employee to reward or punish their managers. SMB (Rooney *et al.*, 2007;
34 2009), leader-member exchange (Kang *et al.*, 2011) and perceived supervisor support
35 (Maertz *et al.*, 2007; Newman *et al.*, 2011) have used SET to explain the support-turnover
36 intention relationship.
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46 Crede *et al.* (2007) proposed a model whereby job withdrawal cognitions, along with
47 organizational citizenship behaviors and counterproductive workplace behaviors, were
48 identified as groups of 'behaviors' which employees can use to reciprocate within the
49 exchange relationship. Moreover, they argued work attitudes (namely job satisfaction) have a
50 role in mediating the work environment and behavior relationship. Meta-analytical results
51 (e.g., Murrells *et al.*, 2008) illustrate that job satisfaction is inversely correlated with turnover
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3 intention. When the situation at work becomes unsatisfactory, one of the coping mechanisms
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5 would be to escape that situation (Moynihan *et al.*, 2003) – manifesting in increased turnover
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7 intention. Extending Crede *et al.*'s (2007) model to include engagement as a mediator,
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9 engaged employees identify with their work and invest energy in it, and might find difficulty
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11 detaching from or even leaving their work (Halbesleben and Wheeler, 2008). By leaving the
12
13 organization they lose the ability to carry on their work, and lose access to resources which
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15 has helped them with their work. This is seen in Halbesleben (2010) and Saks' (2006) studies
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17 that support a negative relationship between dimensions of engagement and turnover
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19 intention.
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23 Despite the literature so far providing separate evidence that SMB impacts
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25 engagement and job satisfaction, and that these subsequently influence turnover intention,
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27 there have been few models that examine these together. The studies which have are
28
29 consistent in their findings. Agarwal *et al.* (2012) found that engagement mediated the link
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31 between the quality of the employee-manager relationship and turnover intention, whilst three
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33 separate studies revealed job satisfaction to mediate social support from supervisor (van der
34
35 Heijden *et al.*, 2010) and leader-member exchange (Han and Jekel, 2011; Wang and Yi,
36
37 2011) relationship with turnover intentions. Considering the evidence supporting SMB being
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39 reciprocated with work attitudes, and extending these assumptions into a mediation model, it
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41 is hypothesized that:
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45 *H3: Supportive manager behaviors, engagement and job satisfaction have a negative*
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47 *relationship with turnover intention.*

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49 *H4: Engagement and job satisfaction mediate the relationship between supportive*
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51 *manager behaviors and turnover intention.*
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56 *Unsupportive Manager Behaviors*
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3 The negative reciprocal relationship has received little attention within the SET
4 literature, and it is less clear what the effect unsupportive manager behavior (UMB) has on
5 the outcome measures described above. The dominance of the research literature examining
6 supportive managers as opposed to unsupportive or abusive managers has created a myopic
7 understanding of managers' influence on employees. The studies that have focused on
8 negative leadership have looked at abusive, deviant or tyrannical supervision (Mitchell and
9 Ambrose, 2007), with less attention on the more subtle forms of poor support. Aspects of
10 work which violate SET would impair the development of a high quality relationship
11 between the employee and manager (Cropanzano *et al.*, 2003), infringing the implicitly
12 understood obligations which form the psychological contract between both parties
13 (Rousseau, 1995). This lack of support could result in employees' engaging in negative
14 behaviors in order to strike back at the manager and/or organization (Cropanzano and
15 Mitchell, 2005; Mitchell and Ambrose, 2007). Saks' model of engagement postulates that
16 anything which threatens the social exchange relationship should result in disengagement.
17 That is, issues with trust, lack of reciprocity, or psychological contract breaches may result in
18 a weakening of this relationship, resulting in at least a reduction of engagement, if not actual
19 disengagement (e.g., Agarwal *et al.*, 2012). Some researchers (Uhl-Bien and Carsten, 2007)
20 have argued that the power imbalance between the manager and the employee can result in
21 employees being unable to reciprocate negatively due to fears about retaliation from their
22 managers. Instead, this is displaced towards other parties within the work environment (e.g.,
23 colleagues, customers, organization). It is equally plausible that employees exposed to UMB
24 simply withdraw from the relationship, breaking any link between support and outcome. This
25 fits with Bhogaita's (2012) findings that UMB did not predict job satisfaction, engagement,
26 job performance or organizational commitment.
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3 Research in this area has shown SMB and UMB to be different constructs with
4 different outcomes on employee work attitudes (Bhogaita, 2012; Rooney *et al.*, 2007; 2009)
5 rather than two separate ends of the same continuum. In addition to the positive influence of
6 SMB reviewed earlier, the evidence indicates that UMB and poor leader-member exchanges
7 are reciprocated with lower job satisfaction, organizational citizenship behavior and job
8 performance, and increased turnover intention (Cropanzano *et al.*, 2003; Rooney and
9 Gottlieb, 2007; Setton *et al.*, 1996). Employees were also found to respond to abusive
10 supervisors with feelings of increased stress and helplessness instead of deviant behaviors,
11 suggesting that they internalize their response and exhibit behavior that benefits them (Organ,
12 1990). Considering that reciprocity forms the basic tenant of SET, and the previous research
13 findings involving work-related attitudes in this area, it is hypothesized that:

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28 *H5: Unsupportive manager behaviors are negatively related with job satisfaction,*
29 *and engagement.*

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32 *H6: Unsupportive manager behaviors are positively related with turnover intention.*

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*H7: Engagement and job satisfaction mediate the relationship between unsupportive
manager behaviors and turnover intention.*

Consistency of support

Even with the growing emphasis of UMB (Bhogaita, 2012; Rooney and Gottlieb, 2007) and destructive leadership (Schyns and Schilling, 2013) on employee work attitudes, these have been examined in isolation to the positive dimension of support. How supportive a person is at work is not necessarily constant, with findings that managers (Rooney and Gottlieb, 2007), nurses (Krishnasamy, 1996) and spouses of cancer patients (Manne and Schnoll, 2001) can exhibit both supportive and unsupportive behaviors. In the safety leadership literature, Kelloway *et al.* (2006) argued that frequency-based measures of transformational and passive

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3 leadership styles means leaders could alternate between, or exhibit, both styles of leadership.
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5 Building on this, passive-safety leadership has been found to attenuate the positive impact
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7 that transformational-safety leadership has on safety behaviors (Mullen *et al.*, 2011).
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9 However, aside from the work by Kelloway *et al.* (2006) and Mullen *et al.* (2011), we are
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11 unaware of any other attempts to examine the interactive relationship between leadership
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13 styles or manager behaviors.
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16 A manager displaying frequent SMB and infrequent UMB can be said to be providing
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18 consistent support to their employees. This consistency reinforces the beneficial behavior
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20 extended to the employee, increasing the trust between both parties and creating the
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22 reciprocal obligation for the employee to respond favorably (Colvin *et al.*, 2002; Cropanzano
23
24 and Mitchell, 2005). In contrast, inconsistent support occurs when there is a mismatch
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26 between the frequency of SMB and UMB. Extrapolating from Mullen *et al.*'s (2011) study,
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28 any positive effect from SMB on employees would be undermined by the presence of
29
30 frequent UMB. This clash hinders the development of an exchange relationship between
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32 manager and employee as the incongruent behavior on the part of the manager potentially
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34 violates one of the fundamental principles of SET – trust (Blau, 1964). Finally, managers
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36 displaying infrequent SMB and frequent UMB can be grouped as consistently unsupportive.
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38 As discussed earlier in this paper, this would have a detrimental impact on any relationship
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40 and could result in employees reciprocating with negative work attitudes or withdrawing
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42 from the exchange relationship altogether (Cropanzano *et al.*, 2003; Cropanzano and
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44 Mitchell, 2005; Mitchell and Ambrose, 2007).
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49 It is highly plausible that managers exhibit both supportive and unsupportive
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51 behaviors. As such, this current study seeks to contribute to the recent developments that
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53 examine the interactive role of SMB and UMB on employee outcomes and hypothesizes that:
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3 *H8: Employees who experience consistent support (high SMB, low UMB) will report*
4 *higher levels of engagement, job satisfaction, and lower turnover intention than those who*
5 *experience inconsistent support (high SMB, high UMB or low SMB, low UMB) and*
6 *consistent unsupportive (low SMB, high UMB).*
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12 **Method**

13 *Sample and Procedure*

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19 Participants were recruited from the UK operations of a global data management and analysis
20 company. A total of 1,483 employees were emailed and invited to take part via an electronic
21 survey. Information and contact details were provided on the first page of the online survey.
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26 Participants were also informed that by proceeding with the online survey they were
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28 consenting to take part. However, they were free to exit the browser and withdraw from the
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30 study. The survey window lasted three weeks, with a reminder email sent out after one week.
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34 Overall, 288 employees completed the online questionnaire, although 36 were
35 removed due to incomplete responses. Managers comprised 29.4% of the sample, and 54% of
36 the sample was male. The average age was 35.4 years (SD=9.3), and average tenure was 6.17
37 years (SD=6.59). Participants operated in a wide range of job functions, including
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39 Information Technology (18.3%), Customer Services (11.5%), Analytics (10.7%), Finance
40 (9.1%), Sales (8.7%), and Product Development (7.5%). The remaining 34% were employed
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42 in other business areas.
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52 *Measures*

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56 *Supportive Manager Behaviors.* The Inventory of Supportive and Unsupportive Manager
57 Behavior is a 14-item measure which contains 9 supportive and 5 unsupportive manager
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3 behaviors (Zarola, 2011). Participants rate their own immediate manager in terms of how
4 frequently they displayed these behaviors using a 5-point frequency scale where '1=never'
5 and '5=always'. An example behavior includes 'I have to deal with unrealistic expectations
6 from my manager'. Past researchers (Bhogaita, 2012; Zarola, 2011) have found coefficient
7 alphas of between .90 and .96 for SMB items and alphas of .75 to .86 for UMB items.
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15 *Work Engagement.* This study examines the overall measure of engagement, and
16 therefore, like other researchers (e.g., Agarwal, 2014), summed the subscale scores of the
17 Utrecht Work Engagement Scale (Schaufeli and Bakker, 2003) to represent engagement.
18
19 Comprising nine items, participants rated items such as 'My job inspires me' on a seven point
20 scale with '0=never' and '6=everyday'. Internal consistency has previously been reported at
21 .91 (Schaufeli and Bakker, 2003).
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29 *Job Satisfaction.* Job satisfaction was assessed using the five items of global job
30 satisfaction from the Andrew and Withey Job Satisfaction Questionnaire (Rentsch and Steel,
31 1992). The measure included items such as 'How do you feel about your job?' which was
32 rated on a seven point scale where '1=terrible' and '7=delighted'.
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39 *Intention to leave.* Rosin and Korabik's (1991) four item scale was used. Three items
40 were weighted with three answer options (e.g., are you planning to leave your job within the
41 next six months?; 'yes=2', 'no=0', and 'unsure=1'). The fourth item ('are you actively
42 searching for another job right now?'), was weighted 'yes=2' and 'no=0'. These were
43 summed, with a higher score indicating stronger intention to leave. Foley *et al.* (2002) found
44 inter-item reliability to be at .83.
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53 *Control variables.* Age, gender, job tenure, and manager/employee status were
54 included as control variables in the structural equation and the moderated regression models.
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Results

Due to questions arising surrounding the conceptualization of supportive (SMB) and unsupportive (UMB) manager behaviors as either one (Yarker *et al.*, 2007) or two separate constructs, a confirmatory factor analysis (CFA) was conducted to confirm that SMB and UMB composed a better two-factor model than a singular factor model (Rooney *et al.*, 2007; 2009). Analysis showed a two-factor model (CFA=0.95, RMSEA=.08) was a better fit than a one-factor model (CFA =0.90, RMSEA=0.11).

Internal reliabilities, means and standard deviations for all variables are displayed in Table 1 along with correlational coefficients. SMB was positively correlated with engagement ($r=.45$) and job satisfaction ($r=.54$) while negatively correlated with turnover intention ($r=-.50$). The opposite relationships were observed for UMB, which was negatively related to engagement ($r=-.32$) and job satisfaction ($r=-.49$) and positively related to turnover intention ($r=.39$). Turnover intention showed negative relationships with engagement ($r=-.61$) and job satisfaction ($r=-.65$). These support all the correlational hypotheses (H1-H3 and H5-H6) made.

[Insert Table 1]

Latent SEM analyses were used to examine job satisfaction and engagement as mediators of SMB and UMB on turnover intention. Based on recommendations by Little *et al.* (2002) on item parceling in SEM, an empirically-guided approach to parcel construction via exploratory factor analyses was used to generate empirically robust parcels for SMB, UMB, engagement, job satisfaction and turnover intentions. All latent variables (i.e., SMB, UMB, engagement, job satisfaction, and turnover intention) had at least two parceled

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3 indicators and exhibited high internal reliabilities (alphas > .70). Little *et al.* (2002) argued
4 that latent models with parceled indicators (compared to item-level indicators) provide more
5 rigorous and unbiased model estimates in SEM Model fit statistics. Consistent with Anderson
6 and Gerbing's (1988) two-step approach, two models were specified and estimated: a
7 measurement model including all possible correlations among latent variables and a structural
8 model testing the main study hypotheses including the claim that job satisfaction and
9 engagement act as mediators in the relationship between SMB/UMB and turnover intentions.
10 Control variables of age, gender, job tenure, and manager/employee status were included in
11 the analyses. All exogenous variables including these controls were allowed to covary, and
12 the two mediators of job satisfaction and engagement were also allowed to covary. In order to
13 control for common method bias, a single latent factor was included in both measurement and
14 structural models, with direct paths to all observed variables (indicators) that were measured
15 in the same survey. The models were run with and without this latent method factor to assess
16 differences in parameter coefficients, which were deemed marginal.

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Confirmatory factor analyses were conducted to assess the overall measurement model. These results indicated good model fit of the measurement model, $\chi^2(44)=88.0$, $p<.001$; RMSEA=.06 [C.I .04 - .08], CFI=.98, NFI=.97, IFI=.98. Following this model, the structural model was estimated (see Table 2). This model also reported equally good model fit, $\chi^2(46)=90.7$, $p<.001$; RMSEA=.06 [C.I .04 - .09], CFI=.98, NFI=.97, IFI=.98. Based on an inspection of individual path coefficients, SMB had significant positive effects on job satisfaction ($b=.53$, $p<.001$) and engagement ($b=.95$, $p<.001$). Job satisfaction, in turn, had a significant negative effect on turnover intentions ($b=-.38$, $p<.001$). However, engagement did not generate a significant effect on turnover intention ($b=-.07$, $p>.05$). The bootstrapping model results revealed that the standardized mediated or indirect effect of SMB on turnover intention via job satisfaction and engagement was statistically significant (standardized

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3 estimate=-.36, $p < .05$, 95% C.I.: -.51 - -.21). Specific tests of indirect effects of each mediator
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5 revealed that although job satisfaction fully mediated the relationship between SMB and
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7 turnover intention ($z = -3.42$, $p < .001$), engagement failed to mediate this relationship ($z = -1.60$,
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9 $p > .05$).

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12 UMB had a significant negative effect on job satisfaction ($b = -.31$, $p < .05$) but its effect
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14 on engagement was not significant ($b = .16$, $p > .05$). The total standardized indirect effect of
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16 UMB on turnover intentions was not statistically significant ($b = .13$, $p > .05$, 95% C.I.: -.03 to
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18 .28). Specific indirect effect tests revealed that neither job satisfaction ($z = 1.95$, $p > .05$) nor
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20 engagement ($z = .72$, $p > .05$) mediated the relationship between UMB and turnover intentions.
21
22 In light of the SEM results, H4 was partially supported as only job satisfaction, and not
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24 engagement, mediated the relationship between SMB and turnover intention. However, as
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26 neither job satisfaction nor engagement mediated the UMB and turnover relationship, H6 was
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28 rejected.
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33 **[Insert Table 2]**
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37 Moderated regressions were conducted to examine the interactive effect between
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39 SMB and UMB on engagement, job satisfaction and turnover intention. Interactive terms
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41 (SMB x UMB; Block 3) were added to a regression model after control variables (Block 1)
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43 and main effect terms (Block 2). All items were centered before being entered into the
44
45 regression. The results, presented in Table 3, show that the SMB x UMB interaction was only
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47 significant for job satisfaction ($b = -.37$, $p > .05$). When the interaction for job satisfaction was
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49 plotted (Figure 2), as expected consistent support (high SMB, low UMB) reported higher job
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51 satisfaction than inconsistent support (high SMB, high UMB or low SMB, low UMB) and
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53 consistent unsupportive (low UMB, high SMB). However, H8 is only partially supported as
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55 no interactive effects were found for engagement or turnover intentions.
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6 [Insert Figure 2]
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12 **Discussion**

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14 In answering the call for more empirical work to be done on supportive manager behaviors
15 (Yarker *et al.*, 2008), the current study provides a number of important contributions. Firstly,
16 the confirmatory factor analysis strengthens the notion that SMB and UMB are two separate
17 constructs, not two ends of the same continuum. Moreover, that different behaviors predict
18 different outcomes provides further evidence that UMB is a different construct. What this
19 means is that a high score on a particular construct represents more frequent demonstration of
20 such (un)supportive behaviors, with a low score representing less frequent, or absence, of
21 said behaviors. For example, a low frequency score on any item does not suggest this
22 behavior is not encouraged, but rather that this behavior does not exist. This is more aligned
23 with the findings of Rooney *et al.* (2007; 2009) than with those proposed Yarker *et al.*
24 (2008), and is akin to the examination of behaviors in other aspects of organizational research
25 (i.e., counterproductive versus citizenship behavior; Coyne *et al.*, 2013). As both types of
26 supportive behaviors are distinct, it is therefore possible for managers to display both
27 supportive and unsupportive behaviors towards their employees. Secondly, the findings
28 provide empirical support for the theoretical concept of SET advocating a positive
29 relationship between SMB and the employee measures of job satisfaction, engagement and
30 turnover intention. SET postulates that the provision of what the employee desires (more
31 support) would be reciprocated through improved affect (i.e., job satisfaction and
32 engagement), or by becoming more committed to their work and organizations, and the
33 results here correspond with that of past research (Coomber and Barriball, 2007).
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3 Alternatively, as causality cannot be established, it is possible that stronger affect and
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5 commitment might be reciprocated with more supportive behaviors by managers.
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8 As expected, job satisfaction mediated the relationship between SMB and turnover
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10 intention, although this was not the case for engagement. Supportive managers improve the
11
12 work environment and make it more satisfying by providing job support, constructive
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14 feedback and encouraging personal development (Coomber and Barriball, 2007; Lee and
15
16 Cummings, 2008). This increases employees' desire to stay in that environment, and reduces
17
18 their need to escape from unpleasant situations (Moynihan *et al.*, 2003). The mediation result
19
20 helps bridge the gap between past research that shows a link between manager support and
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22 job satisfaction (Baruch-Feldman *et al.*, 2002; van der Heijden *et al.*, 2010), and between job
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24 satisfaction and turnover (Murrells *et al.*, 2008).
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28 Engagement did not mediate the relationship between SMB with turnover intention.
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30 The results indicate that while managers influence how engaged and satisfied employees are
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32 at work; this does not translate to reduced turnover intention. The lack of a mediation effect
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34 by engagement can be attributed to the absence of the engagement-turnover intention
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36 relationship, in contrast to previous findings (Halbesleben, 2010; Saks, 2010). However,
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38 Halbesleben and Wheeler (2008) observed that engagement did not predict turnover
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40 intention, and attributed it to unique sample characteristics, or the attrition rate of their
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42 longitudinal design. Moreover, they found the strength of the correlation between
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44 engagement and turnover intention to weaken considerably when other variables were
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46 accounted for. Considering the debate on whether engagement and job satisfaction are
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48 conceptually different (Macey and Schneider, 2008), it is plausible that the global nature of
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50 job satisfaction might be more salient than engagement, thereby leaving little unique variance
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52 for engagement. In future, the unique contribution of engagement on turnover intention
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54 warrants closer examination.
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3 SET would predict that UMB be reciprocated with negative affect (reduced job
4 satisfaction), which was observed. The study also provides support for Kelloway *et al.*'s
5 (2006) rationale that leaders can exhibit different leadership behaviors, interacting to
6 influence employee outcomes. Our study echoes that of Mullen *et al.* (2011) whereby the
7 positive influence of SMB on job satisfaction is undermined by frequent UMB. This
8 highlights the importance of consistency in the provision of support to employees when
9 developing a reciprocal relationship. When managers behave inconsistently employees may
10 not trust the intention of the manager, in turn perceiving less of a need to respond favorably.
11 However, UMB was not related negatively to engagement or positively with turnover
12 intention as postulated by SET. Ultimately, the absence of these relationships means a lack of
13 mediators between UMB and turnover intention, in contrast to what was predicted. Similarly,
14 the proposed undermining of SMB on engagement and turnover intention by UMB was not
15 found. SET theorizes that humans seek to maximize benefits and reduce conflict and costs
16 within social relationships (Chibucos *et al.*, 2005). Consequently, becoming disengaged or
17 intending to leave when exposed to unsupportive behaviors might be deemed detrimental to
18 an employee. Instead, they might choose to ignore these unsupportive behaviors and not
19 allow it to impact them. On the other hand, job satisfaction is influenced by UMB because as
20 an affect it is internalized by employees and more difficult to be picked up by managers. The
21 absence of a UMB-turnover intention relationship could also be attributed to a difference
22 between desire and intention. Unaccounted variables such as perceived employability and the
23 current job market might confound this relationship, possibly leading to a lack of intention to
24 leave even when the desire exists. However, it is worth noting that Bhogaita's (2012) finding
25 that UMB did not predict organizational commitment suggests that this explanation might be
26 less plausible than that proposed by SET perspective.
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Practical Implications

These findings suggest that organizations trying to reduce turnover intention should ensure their employees are satisfied with their work by improving the support they receive from managers. Managers should provide clear instructions, be able to provide constructive criticism, and take interest in their employees' wellbeing and development (Lee and Cummings, 2008). Crucially, there has to be recognition that managers can exhibit both supportive and unsupportive behaviors, meaning there likely is scope for improvement amongst even the most supportive managers. The supportive behaviors contained in the SMB measures can be integrated into various stages of a manager's development process, including selection, training and appraisals, where it can serve as a guideline of good practice.

Although not examined in this study, it is worth noting that alongside manager support, having a supportive organization is also crucial in creating a conducive environment that encourages engagement and satisfaction (Maertz *et al.*, 2007). While managers have a degree of control, they are often restricted by organizational factors placed upon them, such as pay and benefit packages, training and developmental opportunities (Shanock and Eisenberger, 2006). This means that managers could act as a gatekeeper towards these resources, and organizations themselves have to be supportive of their managers and provide them with the required resources needed to support employees.

Limitations

Certain limitations need to be considered when evaluating these results and when designing related studies. Firstly, future studies should consider longitudinal designs to explore possible causal effects. Secondly, the sole use of self-report measures may lead to common method bias affecting the results although self-report cannot be avoided in measuring employees'

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3 affect and intentions (Conway and Lance, 2010). It was initially planned to match employees'
4 ratings of their managers' support with managers' self-rating to allow for matching and
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6 provide an alternate source of measurement, however low matched pairs meant this was not
7
8 possible. Additional controls against common method bias include including a common
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10 method variance latent factor to control for it in the SEM, and by using established measures
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12 which showed validity and reliability to reduce measurement error. Also, to reduce social
13
14 desirability it was emphasized that this was a study conducted external to the company and
15
16 only aggregate data would be shared with the company. Third, although participants stemmed
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18 from a wide range of job functions, they were all from the same company within one UK
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20 industry sector. In addition, the low response rate means respondents might not be
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22 representative of the sample. Consequently, care needs to be taken in generalizing any
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24 findings.
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48
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50
51
52
53
54
55
56
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59
60

References

- 1
2
3
4
5
6 Agarwal, U.A., Datta, S., Blake-Beard, S. and Bhargava, S. (2012), "Linking LMX,
7
8 innovative work behavior and turnover intentions: The mediating role of work
9
10 engagement", *Career Development International*, Vol. 17 No. 3, pp. 208-230.
11
12
13 Agarwal, U.A. (2014), "Linking justice, trust and innovative work behavior to work
14
15 engagement", *Personnel Review*, Vol. 43 No. 1, pp. 41-73.
16
17
18 Anderson, J.C. and Gerbing, D.W. (1988), "Structural equation modeling in practice: A
19
20 review and recommended two-step approach", *Psychological Bulletin*, Vol. 103 No.
21
22 3, pp. 411-423.
23
24
25 Aryee, S., Budhwar, P.S. and Chen Z.X. (2002), "Trust as a mediator of the relationship
26
27 between organizational justice and work outcomes: Test of a social exchange model",
28
29 *Journal of Organizational Behavior*, Vol. 23 No. 3, pp. 267-285.
30
31
32 Baruch-Feldman, C., Brondolo, E., Ben-Dayana, D. and Schwartz, J. (2002), "Sources of
33
34 social support and burnout, job satisfaction and productivity", *Journal of*
35
36 *Occupational Health Psychology*, Vol. 7 No. 1, pp. 84-93.
37
38
39 Blau, P. (1964), *Exchange and power in social life*, Wiley, New York, NY.
40
41
42
43
44 Bhogaita, S. (2012), "Leveraging the role of the manager to improve organisational
45
46 performance", paper presented at the BPS Division of Occupational Psychology
47
48 Annual Conference, 9-11 January, 2013, Chester, United Kingdom.
49
50
51 Chênevert, D., Vandenberghe, C. and Tremblay, M. (2015), "Multiple sources of support,
52
53 affective commitment, and citizenship behaviors: The moderating role of passive
54
55 leadership", *Personnel Review*, Vol. 44 No. 1, pp. 69-90.
56
57
58
59
60

- 1
2
3 Chibucos, T.R., Leite, R.W. and Weis, D.L. (2005), *Readings in Family Theory*, Sage
4
5 Publications, London.
6
7
8 Christian, M.S., Garza, A.S. and Slaughter, J.E. (2011), "Work engagement: A quantitative
9
10 review and test of its relations with task and contextual performance", *Personal*
11
12 *Psychology*, Vol. 64 No. 1, pp. 89-136.
13
14
15
16 Conway, J.M. and Lance, C.E. (2010), "What Reviewers Should Expect from Authors
17
18 Regarding Common Method Bias in Organizational Research", *Journal of Business*
19
20 *and Psychology*, Vol. 25, pp. 325-334.
21
22
23 Coomber, B. and Barriball, K.L. (2007), "Impact of job satisfaction components on intent to
24
25 leave and turnover for hospital-based nurses: A review of the research literature",
26
27 *International Journal of Nursing Studies*, Vol. 44 No. 2, pp. 297-314.
28
29
30 Colvin, M., Cullen, F.T. and Vander Ven, T. (2002), "Coercion, social support, and crime:
31
32 An emerging theoretical consensus", *Criminology*, Vol. 40, pp. 19-42.
33
34
35
36 Coyne, I., Gentile, D., Born, M.P., Ersoy, N.C. and Vakola, M. (2013), "The relationship
37
38 between productive and counterproductive work behavior across four European
39
40 countries", *European Journal of Work and Organizational Psychology*, Vol. 22 No. 4,
41
42 pp. 377-389.
43
44
45
46 Crede, M., Chernyshenko, O.S., Stark, S., Dalal, R.S. and Bashshur, M. (2007), "Job
47
48 satisfaction as mediator: An assessment of job satisfaction's position within the
49
50 nomological network", *Journal of Occupational and Organizational Psychology*, No.
51
52 80, pp. 515-538.
53
54
55
56 Cropanzano, R. and Mitchell, M.S. (2005), "Social exchange theory: An interdisciplinary
57
58 review", *Journal of Management*, Vol. 31 No. 6, pp. 874-900.
59
60

- 1
2
3 Cropanzano, R., Rupp, D.E. and Byrne, Z.S. (2003), "The relationship of emotional
4 exhaustion to work attitudes, job performance, and organizational citizenship
5 behaviors", *Journal of Applied Psychology*, Vol. 88. No. 1, pp. 160-169.
6
7
8
9
- 10 Dollard, M. and Bakker, A.B. (2010), "Psychosocial safety climate as a precursor to
11 conducive work environments, psychological health problems, and employee
12 engagement", *Journal of Occupational and Organizational Psychology*, Vol. 83, pp.
13 579-599.
14
15
16
17
18
19
- 20 Erdogan, B. and Liden, R.C. (2002), "Social exchanges in the workplace: A review of recent
21 developments and future research directions in leader-member exchange theory", in
22 Neider, L.L. and Schriesheim, C.A. (Eds.), *Leadership*, Information Age Press,
23 Greenwich, CT, pp. 65-114.
24
25
26
27
28
29
- 30 Foley, S., Kidder, D.L. and Powell, G.N. (2002), "The perceived glass ceiling and justice
31 perceptions: An investigation of Hispanic law associates", *Journal of Management*,
32 Vol. 28 No. 4, pp. 471-496.
33
34
35
36
- 37 Ghosh, P., Rai, A., and Sinha, A. (2014), "Organizational justice and employee engagement:
38 Exploring the linkage in public sector banks in India", *Personnel Review*, Vol. 43 No.
39 4, pp. 628-652.
40
41
42
43
44
- 45 Graen, G.B. and Uhl-Bien, M. (1995), "Development of Leader-Member Exchange (LMX)
46 theory of leadership over 25 years: Applying a multi-level multi-domain perspective",
47 *Leadership Quarterly*, Vol. 6, pp. 219-247.
48
49
50
51
- 52 Halbesleben, J.R.B. (2010), "A meta-analysis of work engagement: Relationships with
53 burnout, demands, resources and consequences", in Bakker, A. and Leiter, M.P.
54
55
56
57
58
59
60

1
2
3 (Eds.), *Work engagement: Recent developments in theory and research*, Routledge,
4
5 London, pp. 102-117.
6
7

8 Halbesleben, J.R.B. and Wheeler, A.R. (2008), "The relative roles of engagement and
9
10 embeddedness in predicting job performance and intention to leave", *Work and*
11
12 *Stress*, Vol. 22 No. 3, pp. 242-256.
13
14

15 Han, G. and Jekel, M. (2011), "The mediating role of job satisfaction between leader-member
16
17 exchange and turnover intentions", *Journal of Nursing Management*, Vol. 19, pp. 41-
18
19 49.
20
21

22 Haslam, S.A., O'Brien, A., Jetten, J., Vormedel, K. and Penna, S. (2005), "Taking the strain:
23
24 Social identity, social support and the experience of stress", *British Journal of*
25
26 *Psychology*, Vol. 44, pp. 355-370.
27
28

29 Johnson, L.J. and O'Leary-Kelly, A.M. (2003), "The effects of psychological contract breach
30
31 and organizational cynicism: Not all social exchange violations are created equal",
32
33 *Journal of Organizational Behavior*, Vol. 24 No. 5, pp. 627-647.
34
35

36 Kang, D., Stewart, J. and Kim, H. (2011), "The effects of perceived external prestige, ethical
37
38 organizational climate, and leader-member exchange (LMX) quality on employees'
39
40 commitments and their subsequent attitudes", *Personnel Review*, Vol. 40 No. 6, pp.
41
42 761-784.
43
44
45

46 Kelloway, E.K., Mullen, J.E. and Francis, L. (2006), "Injuring your leadership: How passive
47
48 leadership affects employee safety", *Journal of Occupational Health Psychology*,
49
50 Vol. 11 No. 1, pp. 76-86.
51
52
53
54
55
56
57
58
59
60

- 1
2
3 Krishnasamy, M. (1996), "What do cancer patients identify as supportive and unsupportive
4 behavior of nurses? A pilot study", *European Journal of Cancer Care*, Vol. 5 No. 2,
5 pp. 103-110.
6
7
8
9
- 10 Lee, H. and Cummings, G.G. (2008), "Factors influencing job satisfaction of front line nurse
11 managers: A systematic review", *Journal of Nursing Management*, Vol. 16 No. 7, pp.
12 768-783.
13
14
15
16
- 17 Liaw, Y.J., Chi, N.W. and Chuang, A. (2010), "Examining the mechanisms linking
18 transformational leadership, employees customer orientation, and service
19 performance: The mediating roles of perceived supervisor and co-worker support",
20 *Journal of Business and Psychology*, Vol. 25 No. 3, pp. 477-492.
21
22
23
24
25
26
- 27 Little, T.D., Cunningham, W.A., Shahar, G. and Widaman, K.F. (2002), "To parcel or not to
28 parcel: Exploring the question, weighing the merits", *Structural Equation Modeling*,
29 Vol. 9 No. 2, pp. 151-173.
30
31
32
33
34
- 35 Luchman, J.N. and Gonzalez-Morales, M.G. (2013), "Demands, control, and support: A
36 meta-analytic review of work characteristics interrelationships", *Journal of*
37 *Occupational Health Psychology*, Vol. 18 No. 1, pp. 37-52.
38
39
40
41
- 42 Macey, W.H. and Schneider, B. (2008), "The meaning of employee engagement", *Industrial*
43 *and Organizational Psychology*, Vol. 1 No. 3, pp. 3-30.
44
45
46
47
- 48 MacLeod, D. and Clarke, N. (2009), "Engaging for success: Enhancing performance through
49 employee engagement. A report to Government", Office of Public Sector
50 Information, Surrey.
51
52
53
54
55
56
57
58
59
60

- 1
2
3 Manne, S. L. and Schnoll, R. (2001), "Measuring supportive and unsupportive responses
4 during cancer treatment: A factor analytic assessment of the partner responses to
5 cancer inventory", *Journal of Behavioral Medicine*, Vol. 24, pp. 297–321.
6
7
8
9
- 10 Maertz, C.P., Griffeth, R.W., Campbell, N.S. and Allen, D.G. (2007), "The effects of
11 perceived organizational support and perceived supervisor support on employee
12 turnover", *Journal of Organizational Behaviour*, Vol. 28, pp. 1059-1075.
13
14
15
16
- 17 Mitchell, M.S. and Ambrose, M.L. (2007), "Abusive supervision and workplace deviance and
18 the moderating effects of negative reciprocity beliefs", *Journal of Applied
19 Psychology*, Vol. 92, pp. 1159–1168.
20
21
22
23
24
- 25 Mossholder, K.W., Settoon, R.P. and Henagan, S.C. (2005), "A relational perspective on
26 turnover: Examining structural, attitudinal, and behavioral predictors", *Academy of
27 Management Journal*, Vol. 48 No. 4, pp. 607-618.
28
29
30
31
32
- 33 Moynihan, L.M., Boswell, W.R. and Boudreau, J.W. (2003), "The influence of job
34 satisfaction and organizational commitment on executive withdrawal and
35 performance", (CAHRS Working Paper #00-16), Cornell University, School of
36 Industrial and Labor Relations, Centre for Advanced Human Resource Studies,
37 Ithaca, New York.
38
39
40
41
42
43
- 44 Mullen, J.E., Kelloway, E.K. and Teed, M. (2011), "Inconsistent style of leadership as a
45 predictor of safety behavior", *Work and Stress*, Vol. 25, pp. 41–54.
46
47
48
49
- 50 Murrells, T., Robinson, S. and Griffiths, P. (2008), "Is satisfaction a direct predictor of
51 nursing turnover? Modeling the relationship between satisfaction, expressed intention
52 and behavior in a longitudinal cohort study", *Human Resources for Health*, Vol. 6 No.
53 22, pp. 1.
54
55
56
57
58
59
60

- 1
2
3 Newman, A., Thanacoody, R. and Hui, W. (2012), "The effects of perceived organizational
4 support, perceived supervisor support and intra-organizational network resources on
5 turnover intentions: A study of Chinese employees in multinational enterprises",
6
7
8
9
10 *Personnel Review*, Vol. 41 No. 1, pp. 56-72.
- 11
12 Organ, D.W. (1990), "The motivational basis of organizational citizenship behavior", in
13 Staw, B.M. and Cummings, L.L. (Eds.), *Research in organizational behavior*, JAI
14 Press, Greenwich, CT, Vol. 12, pp. 43-72.
- 15
16
17
18
19
20 Rayton, B.A. and Yalabik, Z.Y. (2014), "Work engagement, psychological contract breach
21 and job satisfaction", *The International Journal of Human Resource Management*,
22
23
24 Vol. 25 No. 17, pp. 2382-2400.
- 25
26
27
28 Rentsch, J.R. and Steel, R.P. (1992), "Construct and concurrent validation of the Andrews
29 and Withey Job Satisfaction Questionnaire", *Education Psychological Measures*, Vol.
30
31
32 52, pp. 357-367.
- 33
34
35 Rhoades, L. and Eisenberger, R. (2002), "Perceived organizational support: A review of the
36 literature", *Journal of Applied Psychology*, Vol. 87, pp. 698-714.
- 37
38
39
40 Robinson, D., Perryman, S. and Hayday, S. (2004), "The drivers of employee engagement",
41
42
43 Report 408, Institute for Employment Studies, Brighton.
- 44
45
46 Rosin, H.M. and Karabik, K. (1991), "Workplace variables, affective responses and intention
47 to leave among woman managers", *Journal of Occupational Psychology*, Vol. 64 No.
48
49
50 4, pp. 317-330.
- 51
52
53 Rooney, J.A. and Gottlieb, B.H. (2007), "Development and initial validation of a measure of
54
55
56 supportive and unsupportive managerial behaviors", *Journal of Vocational Behavior*,
57
58
59 Vol. 71, pp. 186-203.
60

- 1
2
3 Rooney, J.A., Gottlieb, B.H. and Newby-Clark, I. R. (2008), "How support-related
4
5 managerial behaviors influence employees: An integrated model", *Journal of*
6
7 *Managerial Psychology*, Vol. 24 No. 5, pp. 410-427.
8
9
- 10 Rousseau, D. (1995), "Psychological contract in organizations: Understanding written and
11
12 unwritten agreements", Sage, Newbury Park.
13
14
- 15 Saks, A.M. (2006), "Antecedents and consequences of employee engagement", *Journal of*
16
17 *Managerial Psychology*, Vol. 21, pp. 600-619.
18
19
- 20 Schaufeli, W.B. and Bakker, A.B. (2003), "UWES-Utrecht Work Engagement Scale: Test
21
22 manual", Unpublished manuscript, Department of Psychology, Utrecht University,
23
24 Utrecht, The Netherlands.
25
26
27
- 28 Schaufeli, W.B., Bakker, A.B. and Salanova, M. (2006), "The measurement of work
29
30 engagement with a short questionnaire: A cross-national study", *Educational &*
31
32 *Psychological Measurement*, Vol. 66 No. 4, pp. 701-716.
33
34
35
- 36 Schyns, B. and Schilling, J. (2012), "How bad are the effects of bad leaders? A meta-analysis
37
38 of destructive leadership and its outcomes", *The Leadership Quarterly*, Vol. 24 No. 1,
39
40 pp. 138-158.
41
42
- 43 Settoon, R.P., Bennett, N. and Liden, R.C. (1996), "Social-exchange in organizations:
44
45 Perceived organizational support, leader-member exchange, and employee
46
47 reciprocity", *Journal of Applied Psychology*, Vol. 81, pp. 219-228.
48
49
- 50 Shanock, L R. and Eisenberger, R. (2006), "When supervisors feel supported: relationships
51
52 with employees' perceived supervisor support, perceived organizational support, and
53
54 performance", *Journal of Applied Psychology*, Vol. 91 No. 3, pp. 689-695.
55
56
57
58
59
60

- 1
2
3 Tate, R. and White, J. (2005), "People Leave Managers... Not Organizations! Action Based
4
5 Leadership", iUniverse, London.
6
7
- 8 Uhl-Bien, M. and Carsten, M.K. (2007), "Being ethical when the boss is not", *Organizational*
9
10 *Dynamics*, Vol. 36 No. 2, pp. 187–201.
11
12
- 13 van der Heijden, B.I.J.M., Kummerling, A., van Dam, K., van der Schoot, E., Estryng-Behar,
14
15 M. and Hasselhorn, H.M. (2010), "The impact of social support upon intention to
16
17 leave among female nurses in Europe: Secondary analysis of data from the NEXT
18
19 survey", *International Journal of Nursing Studies*, Vol. 47 No. 4, pp. 434-445.
20
21
22
- 23 Wang, S. and Yi, X. (2011), "Its happiness that counts: Full mediating effect of job
24
25 satisfaction on the linkage from LMX to turnover intention in Chinese companies",
26
27 *International Journal of Leadership Studies*, Vol. 6 No. 3, pp. 337-356.
28
29
- 30 Xanthopoulou, D., Bakker, A.B., Demerouti, E. and Schaufeli, W.B. (2009), "Reciprocal
31
32 relationships between job resources, personal resources, and work engagement",
33
34 *Journal of Vocational Behavior*, Vol. 74 No. 3, pp. 235–244.
35
36
37
- 38 Yarker, J., Donaldson-Feilder, E., Lewis, R. and Flaxman, P.E. (2007), *Management*
39
40 *competencies for preventing and reducing stress at work: Identifying and developing*
41
42 *the management behaviors necessary to implement the HSE Management Standards*,
43
44 HSE Books, London.
45
46
47
- 48 Yarker, J., Lewis, R. and Donaldson-Feilder, E. (2008), *Management competencies for*
49
50 *preventing and reducing stress at work: Identifying and developing the management*
51
52 *behaviors necessary to implement the HSE Management Standards: Phase Two*, HSE
53
54
55
56
57
58
59
60 Books, London.

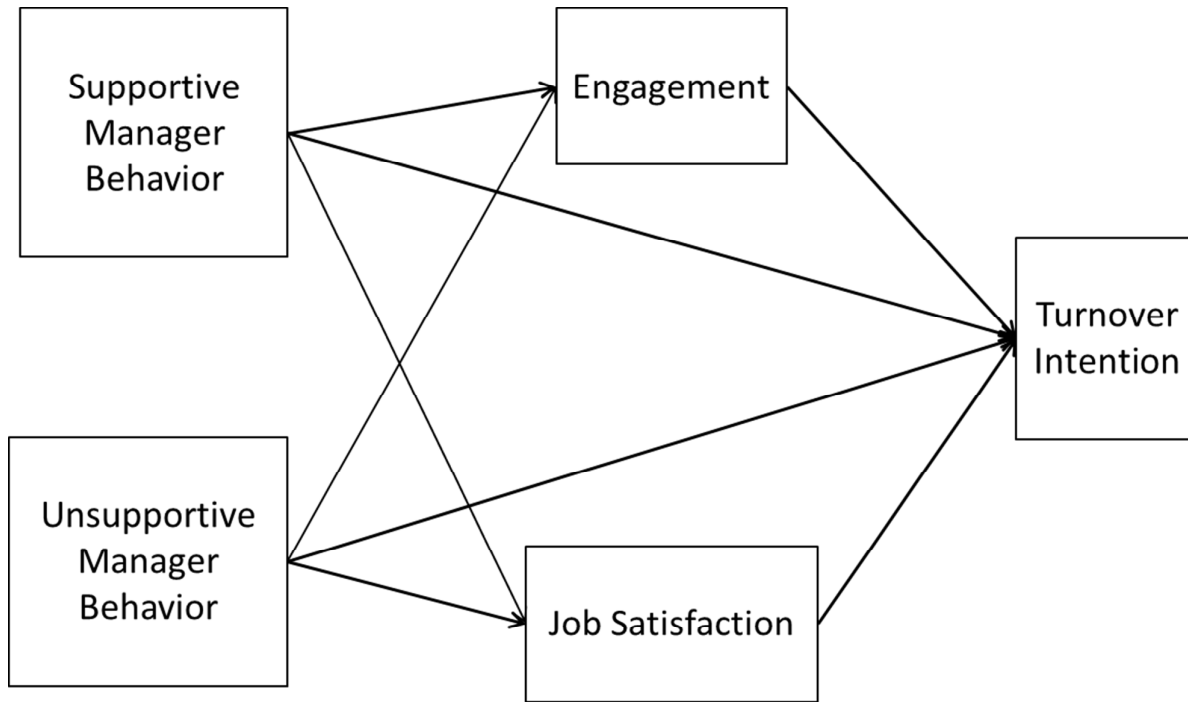
1
2
3 Zarola, A. (2011), *A health audit report for the Department of Health on specialist teams*
4
5 *across the Ambulance Services within the United Kingdom*, Zeal Solutions Ltd,
6
7 Nottingham.
8
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Personnel Review

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Figure 1

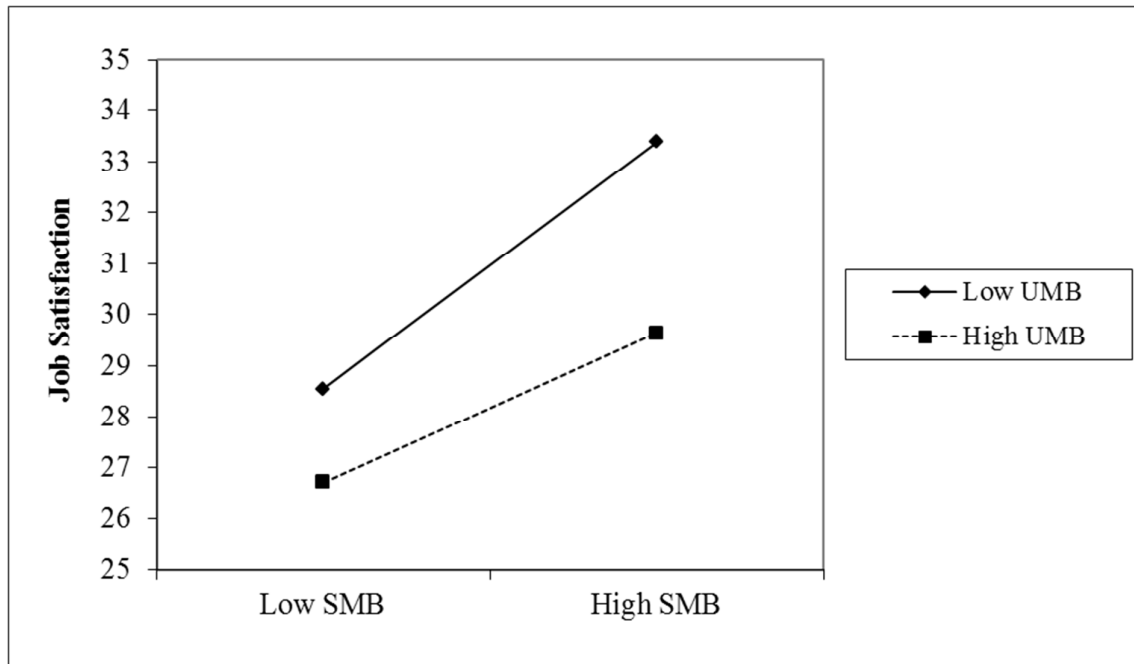
Proposed impact of support-related managerial behaviors on employee measures



Personnel Review

Figure 2

Interaction between SMB and UMB on job satisfaction



Personnel Review

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Table 1*Means, Standard Deviations and Correlations for Whole Sample*

	Mean	SD	1	2	3	4	5
1. SMB	36.04	7.03	.94	-.713	.449	.535	-.499
2. UMB	6.17	3.82		.94	-.317	-.490	.394
3. Engagement	46.13	12.45			.94	.715	-.609
4. Job Satisfaction	25.4	4.57				.83	-.648
5. Turnover Intention	3.85	2.65					.74

Note. $p < .001$. for all correlations (1-tailed hypotheses); $n=252$; Coefficient alpha reliabilities are reported along the diagonal.

Personnel Review

Table 2*Structural Model Paths, Estimates and Significance*

	Model Paths		Unstand. Est.	Stand. Est.	S.E	C.R	P
W.E	<---	SMB	.954	.545	.199	4.801	***
J.S	<---	SMB	.530	.434	.133	3.991	***
J.S	<---	UMB	-.306	-.229	.148	-2.064	.039
W.E	<---	UMB	.161	.084	.221	.731	.465
T.I	<---	J.S	-.380	-.635	.062	-6.157	***
T.I	<---	W.E	-.067	-.161	.036	-1.871	.061

Model fit statistics: χ^2 (46) = 90.7, $p < .001$; RMSEA = .06 [C.I. .04-.09], CFI = .98, NFI = .97, IFI = .98. SMB = Supportive management behaviors, UMB =; J.S = Job Satisfaction; W.E. = Work engagement; T.I = Turnover intentions. C.R = Critical ratios; S.E = Standard error.

*** $p < .001$. Results of the final model controlling common-method bias.

Personnel Review

Table 3*Summary of hierarchical regression analyses with SMB x UMB interactive terms*

Step	Predictor	Engagement	Job Satisfaction	Turnover Intention
Step 1	Gender	.050	-.030	-.079
	Age	-.010	-.106	.118
	Tenure	-.034	.028	-.035
	Manager/employee status	-.211**	-.109	.066
	ΔR^2	.046*	.022	.019
Step 2	SMB	.447**	.368**	-.437**
	UMB	-.002	-.230**	.083
	ΔR^2	.200**	.307**	.248**
Step 3	SMB x UMB	-.114	-.149*	.006
	ΔR^2	.009	.015*	.001

*p<.05. **p<.001

Personnel Review