Professional Development

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Onboarding OSH Professionals The Role of Mentoring

By Wanda Minnick, Steve Wilhide, Rich Diantoniis, Tom Goodheart, Simeon Logan and Ross Moreau

mentor is a trusted counselor or guide. The term is also defined as "a power-free, two-way mutually beneficial learning situation" in which a low-pressure approach is used (Fouche & Lunt, 2010, p. 401). Many businesses and industries offer mentoring to guide new employees and help them meet organizational expectations. It is suggested that managing the early experience (e.g., mentoring) of new hires helps decrease role ambiguity (Lankau & Scandura, 2002; Minnick, 2013; Sakires, Doherty & Misener, 2009). Role ambiguity occurs when there is a lack of clarity regarding expectations of one's role (Eatough, Chang, Miloslavic, et al., 2011).

In the present study, the authors examined one aspect of role ambiguity, the learning curve. *Learning curve* is defined as the rate at which the incumbent masters information about role expectations and the organization's culture to perform effectively. The significance of the learning curve for newly hired safety professionals is twofold:

1) Research indicates that role ambiguity among safety professionals significantly decreases as years of experience increases. This suggests that "strategies aimed at integrating the safety professional into the culture, orienting them with peers or providing formal mentoring programs may prove helpful in decreasing the learning curve and reducing role ambiguity" (Minnick, 2012, p. 152).

2) Mentoring newly hired safety professionals can help with the continuation of knowledge, which is a particular concern considering that an estimated 25,000 practitioners will have retired from the profession by 2016 (McAdams,

Kerwin, Olivo, et al., 2011). This learning transfer can be operationalized through mentoring.

Role ambiguity can contribute to many negative value states, one of which is propensity to leave the organization (Acker, 2004). Therefore, the authors also examined the variable retention intent to explore whether mentoring received at the beginning of employment with a new company affects one's overall decision to stay with the company. This is an important consideration for organizations in terms of weighing the benefits of investing in a mentoring program.

The purpose of this study was to examine whether safety professionals are being offered formal mentoring upon hire and, if so, whether it influenced their learning curve

IN BRIEF

•A team at Indiana University of Pennsylvania undertook an empirical examination to assess whether a relationship exists between formal mentoring initiatives and an OSH professional's intent to stay with a company long term. The team also assessed whether a relationship exists between formal mentoring initiatives and the safety professional's learning curve as a new employee.

•The article also summarizes what safety professionals perceive to be important elements of effective mentoring programs and presents a suggested mentoring model for safety professionals.

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and/or intent to stay with the company. A secondary purpose was to develop a mentoring framework based on qualitative feedback from practicing safety professionals.

The Benefits of a Mentoring Program

Ensuring that a newly hired safety manager or supervisor will fit in well with an organization is of concern to both parties. According to Hunt and Michael (1983), those who are mentored early in their careers benefit an organization by being better educated, better paid, less mobile and more satisfied with their career progress. The mentee conforms more quickly and efficiently to organizational expectations, as compared to someone who was not formally merged into the culture. Mentoring also aids talent development because it references a mentor's past experiences as examples. A mentor's experiences can help a new safety professional prevent future injuries or fatalities. Mentoring also allows seasoned professionals to rejuvenate themselves by passing on the wisdom and experience gained during their professional careers (Hunt & Michael, 1983).

Mentee Benefits

Wright and Werther (1991) report that mentoring makes the human asset more long term and valuable. Heightened confidence, self-esteem and job satisfaction have also been found to be in parallel with good mentoring. Allen, Eby, Poteet, et al. (2004), report that mentee benefits include subjective factors, such as job satisfaction, and objective factors, such as salary and promotion rate.

Eby and Lockwood (2005) qualitatively examined formal mentoring relationships by interviewing mentees and mentors in the telecommunications industry and a nationwide community-based health organization. Their study identified several patterns including the benefits of coaching; psychosocial support in the form of friendship, acceptance-and-confirmation, counseling, exposure and visibility within the organization; role modeling key behaviors; and sponsorship for promotions. Career planning, networking and role clarification were identified as other value-added aspects of being mentored.

The safety professional, or mentee, can benefit greatly from a mentor when entering an organization. In a career in which new hires often encounter

role ambiguity (Minnick, 2012), a mentor can guide the mentee to a state of mind where s/he knows his/her perceived role in the organization relative to authority and job expectations.

Mentor Benefits

The benefits that a mentor gains from a wellconstructed mentoring program are also noteworthy. Allen, Lentz and Day (2006) compared specific career outcomes between mentors and nonmentors in the healthcare field. Their study was based on previous studies that concluded mentoring is an organizational citizenship behavior that is rewarded often. Results indicated a significant difference in the promotion rate, salary and self-reported career success of those who had served as mentors compared to those who had not.

For the mentor, knowing that someone is depending on them for career initiation or to assimilate into a new organization may increase their motivation to approach the task with a positive and inspiring attitude. Mentors often feel a rewarding sense of satisfaction and confirmation through helping less-experienced practitioners develop as safety professionals (Hunt & Michael, 1983).

Mentoring a new-hire safety professional also boosts the mentor's reputation throughout the organization. The act of mentoring may be encouraged and formally or informally rewarded by peers and organizational leaders. In a study focused on the behaviors of mentors that lead to positive career outcomes, Allen, Eby, Poteet, et al. (2004), conclude that "mentoring behaviors, such as sponsorship, exposure and visibility, coaching and protection, are more directly related to enhancement of the task-related aspects of work that facilitate objective career success."

For mentors who feel that they have reached their peak in an organization, or see no room for advancement, mentees may give them a new out-advancement, increases may give mentra new outbuilder of the profession. Seeing mentees succeed with their advice is rewarding for mentors. Mentors can learn from the experience and input that young professionals bring to the relationship as well (Allen, Poteet & Burroughs, 1997).
 Enlisting Mentors

 Despite these benefits, organizations face a primary challenge. Who has time to be a mentor?



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According to Amelink (2013), a key element of a successful mentoring relationship is the consistent interest of the mentor. In organizations that do not encourage or mandate mentoring, serving as a mentor requires a time investment that goes beyond one's formal job requirements with no obvious link to career enhancement. Without objective evidence that being a mentor advances one's career, it may be difficult to find candidates willing to volunteer their time.

Thus, the overall mentoring model must explain why mentoring is important to the organization and the value it sees in mentors who volunteer their time. Therefore, the mentoring program must have resources to manage it and must include some foundational characteristics, such as coordination of programs, mentor training, clear expectations and the matching of mentor to mentee (Carr, 1999).

Variables of Interest: Learning Curve & Retention

Research indicates that mentoring can reduce the learning curve and increase employee retention. Research specific to a safety professional's learning curve and retention intent is limited; however, other human health service professions have found relationships among these variables. In

a study specific to healthcare professionals, Cohen, Jacobs, Quintessenza, et al. (2007), report that mentoring, learning curve and balance cannot be underestimated. While the healthcare field is different from the safety profession, it is interesting that Cohen, et al. (2007), suggest that the tolerance for a learning curve is much lower than it was 2 decades ago and that mentoring is key in lessening that curve.

A parallel can be drawn to the safety professional, who is often expected to hit the ground running while performing various roles across differing levels of the organization.

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In terms of retention, and also specific to healthcare, Holtom and O'Neill (2004) suggest that mentoring relationships are one way to address retention concerns. High turnover is costly to any organization, not only in lost talent but also in recruiting, socializing and training replacement employees. "Organizations that increase their ability to retain valuable employees may soon develop a reputation that allows them to pick from the best new healthcare workers who enter the workplace" (Holtom & O'Neill, 2004, p. 13). Considering the anticipated availability of jobs, OSH professionals will have to the ability to change jobs if they desire to do so; making a strong impression on a safety professional in the beginning, for example through developing strong relationships, can make a difference in that individual's retention intent.

Study Methods

Data Collection

Data for this study were obtained via an online survey of ASSE members, specifically members of three of its practice specialty groups: manufacturing, oil and gas, and construction. In addition, a participant had to be employed as a safety professional; not be retired; not be employed as a full-time consultant; and not be employed as a full-time trainer. The purpose of this inclusion criteria was to limit partici-

Figure 1 Corporate Mentoring

Question: Did your current company assign you a mentor or help acquire a mentor for you when you were first hired?

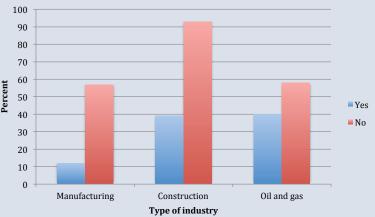
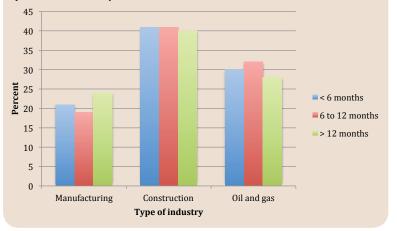


Figure 2 Onboarding Experience

Question: At your current employer, within what time period did you have enough information about your role and the culture to perform effectively?



pation to those engrained in the daily operations of their companies and those with elevated expertise in a particular industry, as indicated by their membership in a practice specialty group. Ultimately, 2,800 ASSE members met the inclusion criteria, and 306 of them participated in the survey.

Statistical Tests

Statistical Package for the Social Sciences (SPSS) 19.0 software was used to perform chi-square analysis for the quantitative portion of the study. Chi square test for independence was conducted to test the following hypotheses:

 $\rm H_{\rm o}=Learning$ curve length is independent of being mentored.



- $H_a =$ Learning curve length is associated with being mentored.
- $\rm H_{\rm o}=Retention$ intent is independent of being mentored.
- ${\rm H_{a}}={\rm Retention}$ intent is associated with being mentored.

If the p value is < .05, an association exists between the variables.

Survey Instrument

A series of questions was asked to assess the onboarding of a safety professional. Participants were asked to answer the questions based on their current employment.

1) Did your current company assign you a mentor or help acquire a mentor for you when you were first hired? If yes, was the mentoring program effective?

2) If you had a mentor, what interactions with your mentor were most effective/helpful? What interactions with your mentor were not valueadded? If you did not have a mentor, think back to when you first joined the company, what type of mentoring activities would have been most helpful?

3) From what you have experienced at your current employer, within what period did you feel as though you had enough information about your role expectations and the culture of the organization to perform effectively? Please choose one answer: Less than 6 months, 6 months to 1 year or greater than 1 year.

4) From what you have experienced, what level of impact did your first 6 months on the job have on your intention to stay with the company longterm (beyond 5 years): definitely had an impact in a positive way, little to no impact, definitely had an impact in a negative way.

Study Results

Demographics

A total of 85% (N = 253) of participants were men and 15% (N = 46) were women. Fourty-four percent of participants (N =132) were from the construction industry, 23% (N = 69) were from the manufacturing industry, and 33% (N = 98) were from the oil and gas industry.

Thirty percent (N = 91) of all participants said their employer assigned or helped them acquire a mentor when first hired (Figure 1, p. 29). Of those 91 participants, most were from oil and gas (N = 40), followed by construction (N = 39) and manufacturing (N = 12).

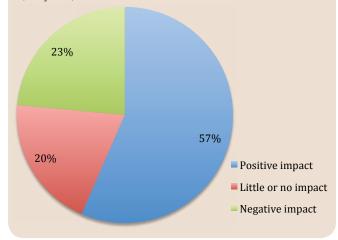
Mentoring & Overcoming the Learning Curve

No significant relationship was found between mentorship and learning curve length [χ^2 (2, N = 306) =.820, p > .05] regardless of whether the safety professional received mentoring; this resulted in

Figure 4

Nonmentored Participants

What level of impact did your first 6 months on the job have on your intent to stay with the company long term (> 5 years)?



a failure to reject the null hypothesis. Figure 2 helps illustrate this finding, as it depicts that the learning curve did not vary much across the three industries. This finding suggests that safety professionals do not perceive that current mentoring activities lessen the learning curve. This suggests an opportunity to improve onboarding processes specific to reducing the learning curve.

Mentoring & Retention

Comparing the results of those mentored and the effect their first 6 months on the job had on long-term (beyond 5 years) retention intent revealed a significant relationship [χ^2 (2, N = 307) = 33.8, p < .05]. To determine strength of the association, Cramer's V was calculated. The effect size was .372, which is a medium effect. Therefore, the alternate hypothesis is accepted and mentoring and retention intent appear to be associated events.

As shown in Figure 3, 8% of those mentored (N = 12) indicated that the first 6 months on the job had either a negative impact or little to no impact on their intent to stay with the company. In comparison, Figure 4 illustrates that 77% of those who were not mentored (N = 96) said the first 6 months on the job had either a negative or little to no impact of their retention intent. These findings suggest that mentoring and/or the type of mentoring activities as part of overall onboarding activities may be related to a person's intent to stay with an organization. Additional research is needed to determine what other variables affect an OSH professional's intent to stay with the company.

Qualitative Questions

Three qualitative open-ended questions were asked about value-added and nonvalue-added mentoring activities. The 91 participants who were mentored provided 65 responses to the question,

"What interactions with your mentor were not value-added?" Content analysis revealed that 39 of those responses suggest that regardless of the interaction, any interaction is beneficial. Twelve percent (N = 8) suggest that being assigned busy or unrewarding work was nonvalue-added. Six percent (N = 4) noted that personal opinions from the mentor were nonvalue-added. Similarly, 6% (N = 4) referred to limited interactions with the mentor as nonvalue-added. Specific companyrelated criteria (N = 3) and management issues (N = 3) such as internal politics also seem to contribute. Informal interactions (N = 2), negative feedback (N = 1) and development of a negative mind-set (N = 1)seem to make only a minor contribution to non-value-added interactions.

The 91 mentored participants provided 131 responses to the question, "What interactions with your mentor were most effective/helpful?" Content analysis of these responses indicated that 30% (N = 40) most appreciated cultural naviga-

tion activities, such as a company's internal workings, specifically politics, internal systems, policies and procedures. Thirteen percent mentioned coaching and advice (N = 17) and 13% (N = 17) listed assistance with understanding performance expectations (goals and objectives) and roles.

In addition, 12% (N = 16) of the responses were specific to having someone available to answer questions and discuss work scenarios. Likewise, 12% (N = 16) appreciated the opportunity to develop rapport by meeting individuals through their mentor and developing partnerships. Eight percent (N = 10) of mentees enjoyed observing job tasks with their mentor or having the mentor demonstrate processes. In addition, 5% (N = 6) listed training as an effective interaction while the remaining 7% (N = 9) of responses were termed miscellaneous and did not reflect a trend.

The next question was aimed at participants who were not mentored upon joining their current company. The 215 participants who answered this guestion provided 246 responses to the question, "Think back to when you first joined the company. What type of mentoring activities would have been most helpful?" Similar to the previous question, 46% (N = 113) suggested culture navigation. The second most listed activity (14%, N = 34) was job-shadowing or working alongside an experienced/expert individual. In addition, 13% percent (N = 34) of participant responses fell into the category of developing rapport and relationships and 12% (N = 29) were specific to understanding performance expectations. The remaining 15% (N = 36) were termed miscellaneous as they did not reflect a specific trend.

Study Limitations

The methodology for the quantitative portion of this study met all assumptions for use of the chi-square test. Specifically, data were randomly Mentors often feel a rewarding sense of satisfaction and confirmation through helping lessexperienced practitioners develop as safety professionals. drawn from the population and the sample size was large enough so that each individual category had at least five members (Meyer & Kruger, 2004).

The qualitative portion involved content analysis of three open-ended questions. The authors reviewed the comments separately and noted trends before ascribing final patterns. Responses were grouped into overarching dimensions that are included in the safety mentoring model (Figure 5). Since those reviewing the qualitative data all have a safety background and/or have worked within these industries, bias could have been unintentionally applied, so results should be interpreted with caution. Since no previous research has addressed the mentoring of safety professionals, additional studies are suggested to validate these results and identify other variables associated with learning curve and retention intent among safety professionals.

Safety Mentoring Model

Employers should consider a four-pronged approach when developing a mentoring program specific to newly hired safety professionals:

1) Build a strong foundation of mentors.

2) Provide mentor training.

3) Conduct activities specific to the needs of safety professionals.

4) Establish a time frame.

This approach considers the challenges associated with an organizational mentoring program and incorporates the feedback received from safety professionals.

Build a Strong Foundation of Mentors

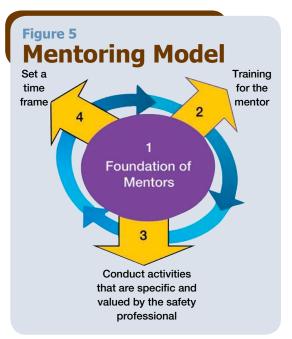
To be effective, mentors must be concerned with doing a good job with their mentees. This should begin with a united message throughout the company regarding the value of mentoring and the importance of becoming a mentor. The company should require being a mentor as an activity open to those seeking promotion or managerial positions and/or to those demonstrating a passion to become a mentor. Linking mentoring activities to a mentor's performance appraisal will help upper management track what activities are done. At the same time, the mentor should have some flexibility. Human resources could ask mentees for feedback regarding the mentoring relationship as well. At a minimum, an organization should set expectations for the mentor and mentee.

Mentor Training

Mentor training should include a brainstorming session of several broad activities to identify appropriate/relevant application to an organization.

•Focus on cultural navigation activities. For example, consider what is the best way to identify those who hold informal power, history of projects that have led to new initiatives, internal politics and unwritten expectations.

•Focus on developing rapport and partnerships. Consider creating a map to ensure that new hires meet with key individuals on the organization chart. This could be a meeting in the person's



office, in the field or in the company cafeteria. The goal is for the new hire to get face time with key personnel.

•Make time. The mentor should have specific times and days of the week to incorporate job shadowing as well a specific times available per week to answer questions, discuss different work scenarios and clarify information/expectations.

Conduct Value-Added Activities & Establish a Timeline

The training should also identify "don'ts" or nonvalue added activities (e.g., assigning busy work, seeding a negative mind-set). Wadsworth (2002) outlines 12 actions that every successful mentor should take: welcoming, communicating, trusting, accepting, affirming, forgiving, reframing, letting go, rejoicing, balancing, focusing and gracing. An organization should also review Dubrin's (2007) 12 key areas of skill development for coaches and mentors.

The organization should establish a timeline outlining when formal mentoring should end. Formally tracking the mentor-mentee activities in a performance appraisal generally should not exceed 1 year. However, the relationship may continue informally well beyond that time frame.

Building Future Mentors

The results of this study indicate that mentoring safety professionals when they join a new organization is not common. However, the value of mentoring can be instilled in future safety professionals. Consider this case in point. The Safety Sciences Department at Indiana University of Pennsylvania has developed a mentor development program that initiates role expectations by offering mentoring guidance early in students' college careers. The program was developed, implemented and is managed by students of the department's honor society. Selection of student mentors is based on their desire for leadership roles, membership in organizations, professional conduct and field experience through co-op opportunities. Incoming freshmen are paired with assigned mentors during the department's freshmen orientation.

The first activity is a tour of the department and campus, and one-on-one discussion of various areas. Early on, the mentor and mentee also review course schedules and formulate a game plan. Mentors share advice on co-op opportunities, explain how to research companies and suggest questions to ask in an interview. Ultimately, the pair develops a long-term relationship that spans their academic careers and beyond into professional networking.

Students have indicated that this onboarding process is helpful. For example, one student remarked, "It was a relief to know that our department, both administration and students, are concerned with my well being" (G.J. Kuhner, personal communication). Several students have noted that as a new student it may be difficult to approach a person of authority such as a professor to ask questions or express concerns that do not necessarily relate to classes. In a mentoring program, mentees may find peer mentors more approachable. As one student says, "[Being shown the] ins and outs of the undergraduate safety degree was very reassuring" (D. Drositis, personal communication).

Conclusion

Mentoring can have a positive impact on organizations, mentors and mentees. This study reveals an opportunity to improve the type of mentoring being offered since it appears that the learning curve of newly hired safety professionals is not associated with being mentored. However, it is important to consider that:

[T]he full spectrum of possible mentee benefits is dependent on the knowledge, skills, abilities and resources that the mentor brings to the relationship; therefore, a match between specific mentor competencies and goals of the relationship can enhance the mentee benefits that are actually realized. (Allen & Eby, 2011, p. 235)

Therefore, future studies involving the mentoring of safety professionals should identify the potential variables that could affect the experience for both mentors and mentees. Interestingly, the study indicates that retention intent and mentoring may be associated events, thus showing value in a structured mentored program. In addition, incorporating activities that are valued by safety professionals into the mentoring program may help reduce the learning curve. **PS**

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