Professional Satisfaction Experienced When Caring for Substance-abusing Patients

Faculty and Resident Physician Perspectives

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This survey aimed to describe and compare resident and faculty physician satisfaction, attitudes, and practices regarding patients with addictions. Of 144 primary care physicians, 40% used formal screening tools; 24% asked patients’ family history. Physicians were less likely (P < .05) to experience at least a moderate amount of professional satisfaction caring for patients with alcohol (32% of residents, 49% of faculty) or drug (residents 30%, faculty 31%) problems than when managing hypertension (residents 76%, faculty 79%). Interpersonal experience with addictions was common (85% of faculty, 72% of residents) but not associated with attitudes, practices, or satisfaction. Positive attitudes toward addiction treatment (adjusted odds ratio [AOR], 4.60; 95% confidence interval [95% CI], 1.59 to 13.29), confidence in assessment and intervention (AOR, 2.49; 95% CI, 1.09 to 5.69), and perceived responsibility for addressing substance problems (AOR, 5.59; CI, 2.07 to 15.12) were associated with greater satisfaction. Professional satisfaction caring for patients with substance problems is lower than that for other illnesses. Addressing physician satisfaction may improve care for patients with addictions.

KEY WORDS: physician satisfaction; substance abuse; resident physicians; faculty physicians; attitudes; screening.

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Substance abuse is prevalent in clinical practice and costs American society over $246 billion each year.1,2 On the basis of the existence of valid screening tools and the efficacy of prevention for alcohol problems, professional organizations recommend identification and brief intervention.3-6 Despite the enormity of the problem and a broad call for action, physicians fail to recognize substance abuse, leading to missed opportunities for treatment and referral.2,7 This failure has been attributed in part to physician characteristics: negative attitudes toward substance-abusing patients, low levels of confidence in their clinical skills, limited perceived responsibility for the care of substance problems, and perceptions that treatment has limited efficacy.4-8-12

Little attention has been focused on the role that physician satisfaction may play. Low professional satisfaction may decrease physicians’ intrinsic motivation to identify and treat patients with addictions.13 Therefore, we surveyed resident and faculty physicians regarding professional satisfaction when caring for patients with addictions. We sought both to describe the level of satisfaction and to examine how perceived responsibility for caring for addictions, confidence in clinical skills, attitudes toward patients with addictions, and interpersonal experience with addictions were related to professional satisfaction.

METHODS

Eligible subjects were hospital-based categorical and primary care internal medicine resident physicians and faculty at 3 outpatient primary care practices on 2 campuses in 1 residency program (including a Veterans Affairs clinic). The Institutional Review Board at Boston University Medical Center approved the study.

Staff researchers distributed and collected the confidential survey in person. Some items were derived from prior physician surveys.9,14,15 The 83-question survey

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addressed the following areas using 5 Likert-type response options for each question: substance abuse–related practices, physician perceived responsibility and confidence in clinical skills related to addictions care, attitudes toward substance-abusing patients, and professional satisfaction when caring for patients with substance abuse and other medical disorders. The survey also queried whether physicians knew people (other than patients) with substance abuse.

Principal components analysis and internal consistency reliability assessments were performed for items assessing physician practices, perceived responsibility, attitudes, confidence, and professional satisfaction (Cronbach’s $\alpha$ ranging from 0.56 to 0.97, for derived scales). All items and scales were scored from 1 to 5 with 5 representing the most favorable response.

We employed $\chi^2$ and Fisher’s exact tests for categorical variables and $t$ tests and analysis of variance for continuous variables to compare resident and faculty responses. More specific level of training analyses used the Mantel-Haenszel $\chi^2$ test for trend (only significant results are reported). Duncan’s multiple range test was used to determine significant ($P < .05$) differences between subgroups of trainees. We then developed 5 multivariable logistic regression models, each adjusting for level of training, gender, and race to assess the relationship between perceived responsibility, attitudes, confidence, and knowing someone with addiction, and the dependent variable, moderate or a great deal of professional satisfaction. McNemar’s test was used to compare physician satisfaction and perceived treatability for several diagnoses.

RESULTS

Of 157 physicians surveyed, 144 (92%) completed the survey. Residents ($N = 95$) were a mean 28.5 years old (SD $\pm 2.7$); faculty ($N = 49$) were 40.3 years old (SD $\pm 7.7$). Residents and faculty were 44% and 49% female, 62% and 65% white, 3% and 12% black, 5% and 4% Hispanic, and 23% and 8% Asian, respectively. Faculty physicians graduated from medical school a mean of 14.1 $\pm$ SD 8.4 years prior to the survey. One quarter of residents were in their first postgraduate year of training (24%), 34% in year 2, 35% in year 3, and 7% in years 4 or 5. Physicians reported that 24% of their patients had alcohol abuse or dependence and 15% had drug abuse or dependence.

Practices

Although almost all physicians reported asking new patients (at least usually) if they drink alcohol (94%) or use illicit drugs (93%), and asked drinking amounts of patients who reported drinking (94%), only 40% reported using a formal screening tool for new patients who drink alcohol or asked new patients about a family history of alcoholism (24%). First-year residents were significantly less likely to ask about family history (13% vs 19% for second-year, 24% for third-year residents, and 33% for faculty; test for trend, $P = .04$). Few (21%) advised a preventive message of safe drinking limits for patients who drink but do not have alcohol problems. Most physicians reported usually counseling patients with alcohol abuse (faculty 90% vs first-year residents 52%, second-year residents 63%, and third-year residents 76%; test for trend $P < .001$) and drug abuse (faculty 88% vs first-year residents 52%, second-year residents 63%, and third-year residents 73%; test for trend, $P < .001$) (Table 1). While most physicians (81%) asked patients with alcoholism about changes in drinking practices in follow-up, 50% asked nonalcoholic drinkers and 11% asked non-drinkers about changes.

| Table 1. Resident and Faculty Differences in Substance Abuse–related Practices, Confidence, and Attitudes |

<table>
<thead>
<tr>
<th></th>
<th>Residents</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counseling patients with alcohol problems at least usually, %</td>
<td>67</td>
<td>90</td>
</tr>
<tr>
<td>Counseling patients with drug problems at least usually, %</td>
<td>66</td>
<td>88</td>
</tr>
<tr>
<td>Confidence in assessment and intervention skills, mean</td>
<td>3.4</td>
<td>3.7</td>
</tr>
<tr>
<td>Agreement with negative attitudes toward substance-abusing patients, mean</td>
<td>4.0</td>
<td>4.3</td>
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Scales reported above range from 1 to 5 with 5 being the most favorable response (see text). All comparisons reported in the table are statistically significant.