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# Sex-based differences in the rate of follow-through to treatment centers for substance use disorders

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Background		Results					Discussion
<ul> <li>A higher prevalence of substance use disorders exists in the population served by the ED.<sup>1</sup></li> <li>Studies have demonstrated that interventions in the ED setting, along with subsequent referral to treatment centers, can reduce harmful substance use.<sup>2,3</sup></li> <li>Barriers to treatment of substance use include socioeconomic factors that can be associated with specific genders.<sup>4</sup></li> </ul>		Table 1. Screening, Intervention,         and Follow-up <sup>5</sup>					<ul> <li>Of the 187 patients with substance use disorders who agreed to the brief intervention, 111 constant</li> </ul>
		Patient screening (n = 2209)	Finding Screened negative for unhealthy substance use <sup>a</sup>	No. (%) ( Male (n = 976) 678 (69.5)	of patients Female (n = 1233 984 (79.8)	p ) 0.01	<ul> <li>brief intervention, 111 accepted referrals, and 40 patients actually participated at a treatment center.</li> <li>18.2% of the females who accepted referrals followed through at a treatment center, while 32.9% of males who accepted referrals followed through (p = 0.035).</li> </ul>
			Screened positive for unhealthy substance use	298 (30.5)	249 (20.2)		
		Intervention interview (n = 187)	Agreed to intervention interview	106	81		
Droblom Statomont		Follow-up evaluation (n = 160)	Patient or facility contacted	82 (73.2)	78 (83.9)	0.213	<ul> <li>A statistically significant higher percentage of males compared to females participated in a treatment center after receiving brief intervention and referral, which agrees with studies that have found women who use alcohol to be less likely to seek treatment than their male counterparts.</li> <li>Sex-based differences in the treatment and outcomes of substance use disorders may indicate sex-specific barriers to treatment, an issue of access to healthcare.</li> </ul>
This project investigated the			Could not contact (missing, wrong telephone	23 (20.5)	11 (11.8)		
difference between sexes in their rate of participation at treatment centers for substance use, specifically amongst patients who had received brief interventions and referral to treatment centers while they were in the ED.			number) Died by follow-up evaluation	2 (1.8)	0 (0.0)		
			Refused to participate in follow-up	2 (1.8)	3 (3.2)		
			Other (power of attorney or family member)	3 (2.7)	1 (1.1)		
Methods			Accepted referral	57 (50.9)	54 (58.1)	0.249	
Droopootivoly, colloctod dotor			referral Missing or incomplete	33 (29.5)	18 (19.3)		
			Patient				<ul> <li>Identifying such barriers requires a values-based, patient-centered</li> </ul>
Screening in LVHINED			in a follow-up program (according to patient)?				<ul> <li>Care approach.</li> <li>REFERENCES</li> <li>1. Wu LT, Swartz MS, Wu Z, Mannelli P, Yang C, Blazer DG. Alcohol and drug use disorders among adults in emergency department settings in the United States. Ann Emerg Med. 2012;60(2):172-80.e5. doi:10.1016/j.annemergmed.2012.02.003.</li> <li>2. D'Onofrio G, Degutis LC. Integrating Project ASSERT: a screening, intervention, and referral to treatment program for unhealthy alcohol and drug use into an urban emergency department. Acad Emerg Med. 2010;17(8):903-11. doi: 10.1111/j.1553-2712.2010.00824.x.</li> <li>3. Madras BK, Compton WM, Avula D, et al. Screening, brief interventions, referral to treatment (SBIRT) for illicit drug and alcohol use at multiple healthcare sites: comparison at intake and 6 months later. Drug Alcohol Depend. 2009; 99:280-295. doi:10.1016/j.drugalcdep.2008.08.003.</li> <li>4. Greenfield SF. Back SE, Lawson K, Brady KT, Substance Abuse in</li> </ul>
(motivational interview)			Yes No	26 (32.9) 53 (67.1)	14 (18.2) 63 (81.8)	0.035	
Referral to treatment			Attempted to change substance use pattern?				
Follow-up phone call			Yes	16 (19.5)	17 (21.8)	0.691	
			No	32 (39.0)	30 (38.5) 23 (29 5)		Women. Psychiatr Clin North Am. 2010;33(2):339-355. doi:10.1016/j.psc.2010.01.004.
			applicable <sup>b</sup> Missing	3 (3.7)	8 (10.3)		P, Weaver KR, Richardson DM, Burmeister DB, Stephens JL, Cannon RD. Sex-specific outcomes in a substance use intervention program. Clinical Therapeutics, 2020, doi: 10.1016/j.clinthera.2020.01.020



a- Includes: Marijuana, cocaine, methamphetamines, narcotics without a prescription. b- Includes patients who were in an inpatient facility during follow-up period and those who report trying to cut down on their own

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