Exploring correlates of self-stigma in persons who use methamphetamine



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BACKGROUND

- There is an urgent need for substance use and harm reduction programs to improve interventions addressing the challenges related to the stigmatization of persons who use illicit drugs.
- When a person is stigmatized, they are considered devalued, unimportant, and flawed in ways that directly impact how they are treated and supported.²⁻⁴
- Self-stigmatization occurs through the internalization of public stigma and experiences of shame due to negative stereotypes of drug use.
- These internalized stereotypes may result in a loss of self-esteem and attachment to individual identity.¹
- This study, conducted with a community-recruited sample of people who use methamphetamine, **aims** to explore how the experiences of self-stigma related to methamphetamine use are associated with selected socio-demographics and drug use characteristics.

METHODS

Between **December 2019** and November 2021, 91 participants over the age of 18 years old with reported past 30-day use of methamphetamine were recruited in **Dayton**, Ohio.



- Participants completed structured interviews on socio-demographics, drug use characteristics, experiences of stigma, perceived risks, and experiences of negative consequences due to methamphetamine use.
- Pearson's Chi-Square test and One-Way ANOVA were used to identify the associations between selfstigma and selected social and drug use characteristics. Non-parametric tests were used where needed.

Results

- Out of 91 participants, over 95% identified as white, 53% were female, 46.2% reported a high school education or less, and about 43% reported homelessness in the past 30 days (Table 1).
- Nearly all (98.9%) participants endorsed a question on perceived public stigma: "In general, people look down on others who use methamphetamine" (Figure 1).
- 68 participants (74.7%) endorsed the self-stigma question "I am too embarrassed for my friends and family to know I use methamphetamine" (Figure 1).
- Individuals who reported self-stigma related to methamphetamine use were more likely to be female.
- They were less likely to have attended treatment for methamphetamine use.
- They were also more likely to indicate that they experienced depression due to methamphetamine use, and perceived risk of too much weight loss from methamphetamine use. (Table 2)

Table 1. Social and drug use characteristics of persons who use methamphetamine (N=91)				
Characteristics	N or Mean	% or SD		
Socio-demographics				
Age (years)	42.4	10.6		
Gender (female)	48	52.7%		
Race/Ethnicity (White/Non-Hispanic)	87	95.6%		
Homeless (ever)	83	91.2%		
Employed (full time or part-time)	24	26.4%		
Education (high school or less)	42	46.2%		
Marital Status (married or living with someone)	31	34.1%		
Ever experienced unintentional drug- related OD	69	75.8%		
Heroin/Fentanyl use last 30 days	57	62.6%		
Methamphetamine (meth) use				
Age of first meth use (years)	30.8	11.2		
Days of meth use, past 30 days	18.7	9.15		
Meth injection (ever inject meth)	69	75.8%		
Methamphetamine Use Disorder (Currei	nt)			
(DSM-5 criteria) Mild	2	2.2%		
(DSM-5 criteria) Moderate	11	12.1%		
(DSM-5 criteria) Severe	76	83.5%		



Table 2. Social and drug use characteristics associated with self-stigma in persons who use methamphetamine (N=91)

Variables	Self-stigma experiences "I am embarrassed for family/friends/coworkers to find out I use meth"		
	Agree* N=68	Disagree* N=23	ANOVA or Chi-Squared, p value
Age (mean, std)	42.8 (11.0)	41.4 (9.6)	0.561
Female	40 (58.8%)	8 (34.8%)	0.046
Non-Hispanic White	64 (94.1%)	23 (100.0%)	0.702^
Homeless (ever)	61 (75.5%)	22 (26.50%)	0.758
Employed (full-time or part-time)	20 (29.4%)	4 (17.4%)	0.258
Education (high school or more)	34 (50.0%)	8 (34.8%)	0.206
Marital Status (married/living as married)	24 (35.3%)	7 (30.4%)	0.671
Health insurance (has insurance)	61 (89.7%)	21 (91.3%)	0.697^
Ever experienced an overdose	51 (76.1%)	18 (78.3%)	0.834
Age of first meth use (mean, SD)	31.9 (10.85)	27.5 (11.92)	0.107
Heroin/Fentanyl use last 30 days	42 (61.8%)	15 (65.2%)	0.767
Experienced negative consequences of meth use: Depression	58 (85.3%)	14 (60.9%)	0.019#
Experienced negative consequences of meth use: Risk of overdose	22 (32.4%)	3 (13.0%)	0.073
Perceived risks of meth use: Hallucinations	59 (87.0%)	20 (86.8%)	0.981
Perceived risks of meth use: Loss of interest in social activities	52 (76.5%)	18 (78.3%)	0.860
Perceived risks of meth use: Too much weight loss	61 (89.7%)	16 (69.6%)	0.021
Attended treatment for meth use	11 (16.2%)	9 (39.1%)	0.022
^ Mann-Whitney U non-parametric test # Fisher's Exact Test			

* 0-4 = disagree; 5-7 = agree

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CONCLUSION

- Self-stigma is common among people who use methamphetamine, as reported by over 70% of our study participants.
- Our findings emphasize the need for increased attention to gender differences in how people view, and experience stigma related to methamphetamine use.
- In addition, interventions to address stigma-related experiences need to consider public perceptions of the risks of methamphetamine use.
- Public messaging needs to take into account the harms that can be exerted on persons who use methamphetamine.
- Additional longitudinal studies are needed to understand the complex interplay between selfstigma experiences and utilization of substance use treatment services among individuals with stimulant use disorder.
- More research is needed with ethnic minorities to understand stigma experiences and stimulant use.

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