

Supplemental Table 1. Demographic and substance misuse characteristics for low-level users (N=16) meeting criteria for OUD excluded from the replication sample	
	non-OUD
Men (%)	62.5
Women (%)	37.5
Mean age (SD)	41.8 (11.2)
Ethnicity - African American (%)	25.0
European American (%)	75.0
First opioid used – Heroin/opium (%)	6.2
Other (%)	93.8
Mean age first opioid misuse (SD)	23.1 (10.4)
Time (yrs) since first opioid misuse (SD)	18.7 (14.1)
Mean (SD) number of times misused opioids - lifetime	38.1 (18.1)
Lifetime use and use disorders – other drugs	
Any cannabis misuse	93.8
Cannabis use disorder (%)	62.5
Any stimulant misuse (%)	87.5
Stimulant use disorder (%)	50.0
Any cocaine misuse (%)	75.0
Cocaine use disorder (%)	43.8
Any sedative misuse (%)	87.5
Sedative use disorder (%)	31.2

Supplemental Table 2. Subjective effects of initial opioid misuse endorsed by low-level users (N=16) meeting criteria for OUD excluded from the replication sample		
Subjective Response Item	ARCI scale(s)	Endorsement (%)
My speech was slurred	P	68.8
I had a feeling of just dragging along rather than coasting	P	75.0
I felt like avoiding people although I usually did not feel this way	P	81.2
It seemed harder than usual to move around	P	50.0
I was moody	P	75.0
People might have said that I was a little dull	P, B*	50.0
I felt dizzy	P	68.8
Things around me seemed more pleasing than usual	M	25.0
I felt drowsy	P, L*	18.8
I feared I would lose the contentment I had then	M	56.2
I felt in complete harmony with the world and those about me	M	50.0
I could completely appreciate what others were saying when I was in that mood	M	50.0
I would be happy all the time if I felt as I felt then	M	43.8
I felt so good that I knew other people could tell it	M	68.8
I felt as if something pleasant just happened to me	M	37.5
I felt as if I would be more popular with people	A, M	56.2
I felt a very pleasant emptiness	A, M	43.8
My thoughts came more easily than usual	A, M, B	43.8
I felt less discouraged than usual	A, M	31.2
I felt more excited than dreamy	P*, A	62.5
My memory seemed sharper to me than usual	A, B	75.0

I felt as if I could write for hours	A, B	81.2
Some of my body parts were tingling	A, L, B	33.3
I felt itchy	----	62.5
My movements seemed faster than usual	B	100
My hands felt clumsy	L	68.8
I noticed my hand shook when I tried to write	L	86.7
I had a disturbance in my stomach	L	62.5
I felt anxious and upset	L	87.5
I had unusual weakness of my muscles	L	75.0
A thrill had gone through me one or more times	P*, L	43.8
My movements were free, relaxed, and pleasurable	L*	25.0
I did not like the way the drug made me feel	----	87.5
I was not as active as usual	P	31.2
I felt sluggish	P	43.8
My head felt heavy	P	62.5
I was full of energy	P*	68.8
I said things in the easiest possible way	M	40.0
I had a pleasant feeling in my stomach	M	37.5
I felt more clearheaded than dreamy	P*, M, B	62.5
I was in the mood to talk about the feelings I had	M, B	62.5
I felt very patient	A, L*	31.2
I had a weird feeling	A, L	43.8
I had better control over myself than usual	B	75.0
My movements seemed slower than usual	B*	18.8
I found it hard to keep my mind on a task or job	B*	56.2
I didn't feel like reading anything then	B*	31.2
I felt an increasing awareness of bodily sensations	L	43.8

***Reverse coded in scale; P=Pentobarbital chlorpromazine alcohol group;
A=Amphetamine group; M= Morphine Benzedrine group; L= Lysergic acid
diethylamide group; B= Benzedrine group**

Supplemental Table 3. ARCI scale item mean scores for low-level misusers (N=16) meeting criteria for OUD excluded from the replication sample	
Scale	Mean (SD)
Morphine Benzedrine group	0.527 (.29)
Pentobarbital chlorpromazine alcohol group	0.475 (.26)
Amphetamine group	0.495 (.22)
Lysergic acid diethylamide group	0.355 (.17)
Benzedrine group	0.350 (.24)
Items included in replication assessment – MBG 15; PCAG 15; AG 10; LSDG 12; BG 12	