

## Supplementary Material

**Article Title:** Prescription Opioid Use Disorder Among Adults Reporting Prescription Opioid Use With or Without Misuse in the United States

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### **DISCLAIMER**

This Supplementary Material has been provided by the author(s) as an enhancement to the published article. It has been approved by peer review; however, it has undergone neither editing nor formatting by in-house editorial staff. The material is presented in the manner supplied by the author.

Supplementary Table 1. Past-year prevalence of prescription opioid use disorder (Rx OUD), individual symptoms, and the number of symptoms by prescription opioid misuse status in US adults with past-year use of prescription opioids

Prescription opioid use disorder based on DSM-5 criteria (N=11,090)	Adults reporting Rx opioid misuse n=1,556 wtd % (95% CI)	Adults reporting Rx opioid use without misuse n=9,534 wtd % (95% CI)		Prevalence ratio (95% CI)	
		Excluding tolerance & withdrawal	Including tolerance & withdrawal	Excluding tolerance & withdrawal for adults without misuse	Including tolerance & withdrawal for adults without misuse
<b>Meeting <math>\geq 2</math> Rx OUD criteria</b>	22.0 (18.6-25.8)	4.9 (4.2-5.7)	7.0 (6.2-8.0)	4.5 (3.6-5.6)	3.1 (2.4-3.7)
<b>Meeting a specific Rx OUD criterion</b>					
1. often taken in larger amounts, longer than intended	11.9 (9.1-15.4)	1.7 (1.3-2.2)		7.1 (5.0-10.2)	
2. unsuccessful efforts to cut down/control use	12.3 (9.6-15.5)	6.4 (5.5-7.4)		1.9 (1.5-2.6)	
3. spending a great deal of time obtaining, using, recovering	12.4 (10.1-15.1)	5.9 (5.0-7.0)		2.1 (1.6-2.7)	
4. craving/strong urge to use	19.8 (16.2-23.9)	6.2 (5.5-6.9)		3.2 (2.6-4.0)	
5. recurrent use resulting in failure to fulfill major role obligations at work/school/home	7.0 (4.7-10.4)	0.7 (0.5-1.0)		10.1 (6.2-16.4)	
6. continued use despite social problems	6.0 (4.1-8.8)	0.5 (0.3-0.9)		11.1 (6.1-20.1)	
7. important social, occupational, or recreational activities given up or reduced because of use	8.6 (6.1-11.9)	1.6 (1.1-2.2)		5.5 (3.3-9.1)	
8. recurrent use in physically hazardous situations	4.6 (2.9-7.4)	0.4 (0.3-0.7)		11.2 (6.0-21.0)	
9. continued use despite physical, psychological problems	6.9 (4.9-9.6)	0.8 (0.6-1.1)		8.6 (2.1-5.2)	
10. increased amount of substance needed to achieve same effect	19.0 (15.6-23.0)		5.3 (4.5-6.3)		3.6 (2.7-4.7)
11. withdrawal symptoms or the same or related substance is taken to avoid withdrawal symptoms	19.2 (15.8-23.2)		4.7 (4.0-5.6)		4.1 (3.2-5.2)
<b>Number of Rx. OUD symptoms</b>					
OUD: 0 symptom <sup>a</sup>	60.2 (55.4-64.9)	84.3 (82.9-85.6)	80.8 (79.1-82.4)	0.7 (0.7-0.8)	0.7 (0.7-0.8)
OUD: 1 symptom <sup>a</sup>	17.7 (13.6-22.7)	10.9 (9.8-12.0)	12.0 (10.9-13.2)	1.6 (1.2-2.2)	1.5 (1.1-2.0)
OUD: 2 symptoms <sup>a</sup>	5.8 (3.9-8.7)	2.9 (2.4-3.6)	3.7 (3.1-4.4)	2.0 (1.2-3.3)	1.6 (1.0-2.5)
OUD: 3 symptoms <sup>a</sup>	3.1 (2.1-4.6)	1.0 (0.6-1.4)	1.5 (1.1-2.0)	3.2 (1.9-5.5)	2.1 (1.4-3.1)
OUD: 4 symptoms <sup>a</sup>	3.0 (1.9-4.9)	0.5 (0.3-0.9)	1.1 (0.8-1.4)	5.7 (2.8-11.7)	2.8 (1.6-4.9)
OUD: 5 symptoms <sup>a</sup>	2.4 (1.5-3.8)	0.3 (0.2-0.6)	0.4 (0.2-0.6)	7.8 (3.3-18.1)	6.2 (3.4-11.4)
OUD: $\geq 6$ symptoms	7.7 (5.5-10.7)	0.2 (0.1-0.3)	0.6 (0.5-1.0)	50.9 (24.5-105.8)	12.5 (7.3-21.4)

Rx=prescription. Wtd=weighted; <sup>a</sup>: Analyses were limited to respondents without missing data on Rx OUD symptoms.

Supplementary Table 2. Prevalence of receiving any substance use treatment for prescription opioid use problems by the number of prescription opioid use disorder symptoms and misuse status in US adults with past-year prescription opioid use

Any substance use treatments for prescription opioid use problems in the past year	Adults reporting prescription opioid misuse n=1,556 weighted % (95% CI)	Adults reporting prescription opioid use but without misuse n=9,534 weighted % (95% CI)	Prevalence ratio (95% CI)
Number of Rx OUD Symptoms <i>excluding tolerance &amp; withdrawal symptoms for adults</i> reporting use without misuse			
OUD: 0 symptom	1.0 (0.4-2.6)	0.3 (0.2-0.4)	3.9 (1.2-12.0)
OUD: 1 symptom	3.7 (1.2-11.0)	1.5 (0.6-3.4)	2.5 (0.6-10.2)
OUD: $\geq 2$ symptoms	15.2 (9.9-22.9)	4.4 (1.9-9.6)	3.5 (1.4-8.5)