

**Supplementary Table 1.** Clinical phenotype based on opioid received

Clinical phenotype	Opioid received	
	Morphine (n = 679)	Hydromorphone (n = 34)
Pain relief with feeling high or euphoria	161 (24)	17 (50)
No pain relief with feeling high or euphoria	183 (27)	7 (21)
Pain relief without feeling high or euphoria	100 (15)	1 (3)
No pain relief without feeling high or euphoria	235 (35)	9 (26)

Values are presented as number (%).