

Leveraging Accelerometry as a Prognostic Indicator for Increase in Opioid Withdrawal Symptoms

Supplementary Material

Table S1. Patient Demographics and Study Details

Participant Number	Age [y]	Sex [F/M]	Race and Ethnicity	Education [y]	Employment Status	Marital Status	Drugs Used	ΔCOWS Scores	Sinusoidal or Non-Sinusoidal	MHD ^a (Excluding D/A ^b Use)	Study Location
1	27	F	White	14	Full Time	Never Married	oxycodone, heroin	3	Sinusoidal	DD ^c , PTSD, ADHD	Emory
2	52	M	Black	14	Full Time	Married	Oxycodone	-2	Non-Sinusoidal	N/A ^{*d}	Emory
3	37	M	White	12	Full Time	Married	DNR	-2	Non-Sinusoidal	DNR ^e	Emory
4	35	M	Hispanic	12	Full Time	Never Married	Cannabis, heroin	8	Sinusoidal	DD	Alliance
5	34	F	Black	12	Unemployed	Never Married	Oxycodone	3	Sinusoidal	DD	Emory
6	52	M	White	8	Unemployed	Never Married	Heroin, cocaine	7	Non-Sinusoidal	N/A [*]	Emory
7	31	F	White	12	Unemployed	Married	Marijuana, Adderall, methamphetamine, oxycodone	-4	Non-Sinusoidal	DD	Emory
8	27	F	Asian	12	Unemployed	Never Married	Marijuana, oxycodone	6	Sinusoidal	DD	Emory
9	37	F	Black	12	Disabled	Divorced	Oxycodone	-6	Non-Sinusoidal	DD, PTSD	Emory
10	24	M	Asian	12	Full Time	Never Married	Sedatives, Marijuana, Oxycodone, Mushroom, Kratom	0	Non-Sinusoidal	DD	Emory
11	32	M	Hispanic	12	Part Time	Never Married	Heroin, Marijuana, Amphetamine, Adderall, Methamphetamine, Cocaine, Sedatives	-1	Sinusoidal	DD	Emory

12	23	M	Black	12	Part Time	Never Married	Marijuana, Amphetamine, Adderall, Oxycodone	2	Sinusoidal	DD, ADHD	Alliance
13	29	M	Black	12	N/A	Never Married	DNR	1	Non-Sinusoidal	DNR	Alliance
14	29	M	Black	12	Full Time	Never Married	DNR	-1	Non-Sinusoidal	DNR	Alliance
15	28	M	White	12	Unemployed	Never Married	DNR	2	Sinusoidal	DNR	Alliance
16	27	F	Hispanic	12	Student	Never Married	DNR	1	Non-Sinusoidal	DNR	Alliance
17	27	M	White	N/A	N/A	Never Married	DNR	9	Non-Sinusoidal	DNR	Alliance
18	47	M	White	12	Part Time	Married	DNR	1	Non-Sinusoidal	DNR	Emory
19	59	M	White	14	Disabled	Never Married	DNR	0	Non-Sinusoidal	DNR	Alliance
20	52	M	Black	12	Disabled	Married	Sedatives, marijuana, heroin, Xanax	-1	Sinusoidal	DD, PD [§]	Alliance
21	34	M	White	12	Part Time	Never Married	DNR	1	Non-Sinusoidal	DNR	Emory

*Participants 2 and 6 did not have any recorded non-opioid related mental disorders.

^a MHD = Mental Health Disorders

^b D/A= Drug and Alcohol Use

^c DD = Depressive Disorders (All Cause)

^d N/A = Not Available

^e DNR = Data Not Recorded

[§] PD = Panic Disorder