

Basic Drug Symptomology Matrix


NOTE: The below indicators are those most consistently observed with the categories of drug listed. Individual variations may be observed depending upon user tolerance, dose, time since dose, combinations of substances, as well as other factors.

<i>Indicators of Influence</i>	CNS Depressants / Alcohol (ETOH)	Inhalants	Dissociative Anesthetics / PCP	Cannabis	CNS Stimulants	Hallucinogens	Narcotic Analgesics
Horizontal Gaze Nystagmus	Present	Present	Present	None	None	None	None
Vertical Gaze Nystagmus	Present (1)	Present (1)	Present	None	None	None	None
Lack of Convergence	Present	Present	Present	Possibly Present	None	None	None
Pupil Size	Normal (2)	Normal (5)	Normal	Poss. Dilated (7)	Dilated	Dilated	Constricted
Reaction to Light	Slow	Slow	Normal	Normal	Slow	Normal (4)	Little or None Observable
Pulse Rate	Down (3)	Up	Up	Up	UP	Up	Down
Blood Pressure	Down	Up / Down (6)	Up	Up	Up	Up	Down
Body Temperature	Normal	Up/Down/Normal (8)	Up	Normal	Up	Up	Down

Normal Ranges:	Pulse	Pupil Size	Reaction to Light	Blood Pressure	Temperature
What is "normal"? "Average" Person "Average" Condition	60-90 BPM	3.0mm—6.5mm	< 1 sec. Normal > 1 sec. Slow	$\frac{120-140}{70-90}$	98.6 F +/- 1 degree

NOTES			
#1	Not present in all users. High dose related.	#5	Normal, May be dilated with some users.
#2	Soma and Quaalude usually produce dilated pupils	#6	DOWN with Anesthetic Gases. UP with Volatile Solvents and Aerosols
#3	Quaalude and ETOH (Alcohol) may elevate	#7	Pupil Size Possibly Normal. Dilated with some users and doses.
#4	Certain Psychedelic Amphetamines may cause slowing	#8	Depends upon substance inhaled



	CNS Depressants Alcohol (ETOH)	Inhalants	Dissociative Anesthetics PCP	Cannabis Marijuana	CNS Stimulants	Hallucinogens	Narcotic Analgesics Opiates
General Indicators of use:	Uncoordinated Disoriented Slurred Speech Gait Ataxia Droopy Eyes Bloodshot Eyes Watery Eyes Odor of Alcohol Slow Reaction Time	Substance Residue Odor of Substance Nausea Slurred Speech Confusion Bloodshot/Watery Eyes Flushed Face Intense Headache Confusion Use Paraphernalia	Perspiring High Body Temp Difficult Speech High Pain Tolerance Cyclic Behavior Violent /Combative Chemical Odor "Moon Walking"	Odor of Cannabis Red Conjunctiva Eyelid Tremors Body Tremors Relaxed Inhibitions Increased Appetite Dry Mouth Euphoria Anxiety Plant Residue Space / Time Distortion	Restlessness Body Tremors Talkative Anxiety Paranoia Insomnia Aggression Dry Mouth "Meth" Sores "Meth" Mouth Use Paraphernalia	Dazed Appearance Body Tremors Synesthesia Hallucinations Paranoia Nausea Vomiting Difficult Speech Poor Perception of Time and Distance Memory Loss Disorientation Piloerection	Droopy Eyelids Drowsy "On the Nod" Depressed Low Raspy Speech Slow-Deliberate Movements Depressed Reflexes Injection Marks Histamine Reaction Itching Use Paraphernalia
Usual Methods of Administration	Oral Injected Suppository	Insufflated Inhaled	Smoked Oral Injected Eye Drops	Smoked Oral Vaporized Absorbed	Insufflated Smoked Injected Oral	Oral Insufflated Trans-dermal	Injected Oral Smoked Insufflated Suppository
Duration of Effects	1-16 hours Depending upon Substance and Dose / BAC	5 minutes To 8 hours Depending upon Substance	Onset: 1-5 min Peak: 4-6 hrs "Normal": 24-48 hrs	1-2.5 hours Smoked 1-3 hours Oral (Varies With User)	5 minutes To 12 Hours Depending upon Substance	Varies Depends upon Substance Used	Heroin 4-6 hrs Demerol 3-4 hrs Codeine 3-4 hrs Fentanyl 5-12 min Methadone 20 hrs+
Romberg Balance Performance Estimation of 30 sec. (+/- 5 sec.)	Slow >35 sec.	Fast Normal Slow	Fast Normal Slow	Fast to Normal Poss. Dose Related	Fast <25 sec.	Fast <25 sec.	Slow >35 sec.
Overdoes Signs	Shallow Breathing Cold Clammy Skin Rapid Weak Pulse Coma	Loss of Consciousness Coma	Long Intense Trip Bizarre Behavior Violent Behavior	Fatigue Paranoia Anxiety Panic No Fatal Effects	Agitation High Body Temp Hallucinations Convulsions Cardiac Arrhythmia	Long Intense Trip	Slow Shallow Breathing Non-Responsive Slow Pulse Cold Clammy Skin Convulsions Coma

NOTE: Not all indicators listed above will be observable in all users. Drug Combinations are common and could alter the observed effects.

Source of Information: Various Law Enforcement Symptom Charts / Published Medical Information / DEA / NHTSA / ARIDE / NIDA / DRE / DAR protocols