

Drug Influence Evaluation – Symptomology Matrix

	CNS Depressants	CNS Stimulants	Hallucinogens	Dissociate Anesthetics	Narcotic Analgesics	Inhalants	Cannabis
HGN	Present	None	None	Present	None	Present	None
Vertical Nystagmus	Present (high dose)	None	None	Present	None	Present (high dose)	None
Lack Of Convergence	Present	None	None	Present	None	Present	Present
Pupil Size	Normal (1)	Dilated	Dilated	Normal	Constricted	Normal (4)	Dilated (6)
Reaction To Light	Slow	Slow	Normal (3)	Normal	Little or none visible	Slow	Normal
Pulse Rate	Down (2)	Up	Up	Up	Down	Up	Up
Blood Pressure	Down	Up	Up	Up	Down	Up/Down (5)	Up
Body Temperature	Normal	Up	Up	Up	Down	Up/Down/ Normal	Normal
General Indicators	Disorientation Droopy eyes Drowsiness Drunk-like behavior Fumbling Gait ataxia Uncoordinated Thick, slurred Speech Sluggish <i>NOTE: With Methaqualone, pulse will be elevated and body tremors will be evident. Alcohol and Quaaludes elevate pulse. SOMA and Quaaludes dilate pupils.</i>	Irritability Increased alertness Insomnia Redness to nasal Area Runny nose Restlessness Excited Exaggerated reflexes Euphoria Grinding teeth (Bruxism) Loss of appetite Anxiety Dry mouth Talkative Body tremors	Dazed appearance Disoriented Disorientation Difficulty in speech Paranoia Perspiring Poor perception of Time & distance Memory loss Flashback Uncoordinated Hallucinations Nausea Body tremors Synesthesia <i>NOTE: With LSD, piloerection may be observed (goose bumps, hair standing on end) Piloerection*</i>	Perspiring Cyclic behavior Possibly violent and Combative Hallucinations Increased pain Threshold Difficulty in speech Blank stare Moon walking Very early angle of HGN on-set Warm to the touch Incomplete verbal Responses Confused, agitated Chemical odor Repetitive speech Elevated taste buds*	Low raspy voice Euphoria Track marks Droopy eyes Facial itching Drowsiness On the nod Nausea Depressed reflexes Fresh puncture Marks Dry mouth <i>NOTE: Tolerant users exhibit relatively little psychomotor impairment</i> Hippus (downside)*	Intense headaches Flushed face Bloodshot, watery Eyes Lack of muscle Control Odor of substance Non-communicative Disorientation Slurred speech Confusion Residue of Substance around Mouth and nose Possible nausea <i>NOTE: Anesthetic gases cause below normal blood pressure; volatile solvents & aerosols cause above normal blood pressure</i>	Marked reddening of the conjunctiva Odor of Marijuana Marijuana debris in Mouth Body tremors Increased appetite Relaxed inhibitions Disorientation Possible paranoia Impaired perception of time & distance Eyelid tremors Elevated taste buds* Rebound dilation*
Duration Of Effects	Barbiturates: 1-16hr Tranquilizers: 4-8hr Methaqualone: 4-8hr	Cocaine: 5-90 min Amphetamines: 4-8hrs Methamphetamines: 12hrs	Duration varies widely from one Hallucinogen to another	On-set: 1-5 minutes Peak effects: 15-30m Exhibit effects: 4-6hr	Heroin: 4-6hrs Methadone: up to 24hrs Other: Vary	Volatile solvents: 6-8hrs for most Anesthetic gases and aerosols: very short	2-3hrs – exhibits effects (Impairment may last up to 24hrs without awareness of effects)
Usual Methods Of Administration	Oral Injected (occasionally)	Injected Snort (Insufflation) Oral Smoked	Injected Transdermal Snort (Insufflation) Oral Smoked	Injected Eye drops Snort (Insufflation) Oral Smoked	Injected Snort (Insufflation) Oral Smoked	Snort (Insufflation) (Historically have been taken orally)	Oral Smoked
Overdose Signs	Cold, clammy skin Pupils dilated Rapid, weak pulse Coma Shallow breathing	Convulsions Hallucinations Agitation Body Temperature Increase	Long, intense “trip”	Long, intense “trip”	Clammy skin Convulsions Coma Slow, shallow Breathing	Coma	Fatigue Paranoia
Muscle Tone	Flaccid	Rigid	Rigid	Rigid	Flaccid	Normal/Flaccid	Normal

* = Not listed on the original Matrix, but will be present in the General Indicators

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| 1) SOMA, Quaaludes & some Depressants usually dilate pupils | 4) Normal, but may be dilated |
| 2) Quaaludes, ETOH & some Depressants may elevate | 5) Up – volatile solvents and aerosols; Down – anesthetic gases |
| 3) Certain psychedelic amphetamines cause slowing | 6) Possibly normal |

Normal Pulse Rate 60-90 bpm
 Normal Blood Pressure 120-140/ 70-90 mmHg
 Normal Body Temperature 98.6 +/- 1°
 Pupil Size Room Light 2.5 – 5.0mm
 Pupil Size Near Total Darkness 5.0 – 8.5mm
 Pupil Size Direct Light 2.0 – 4.5mm

Rebound Dilation – Constriction followed by dilation with a change \geq 2mm after 15 seconds

Drug Effects

Zero + Zero = Null Effects Zero + One = Overlapping One + One = Additive Effect One ± One = Antagonistic Effect