

# Drug Symptom Matrix

	CNS Depressant	Inhalants	PCP	Cannabis	CNS Stimulants	Hallucinogens	Narcotic Analgesics
Horizontal Nystagmus	Present	Present	Present	None	None	None	None
VERTICAL NYSTAGMUS	Present* (High Dose)	Present* (High Dose)	Present	None	None	None	None
LACK OF CONVERGENCE	Present	Present	Present	Present	None	None	None
PUPIL SIZE	Normal (1)	Normal (4)	Normal	Dilated (6)	Dilated	Dilated	Constricted
REACTION TO LIGHT	Slow	Slow	Normal	Normal	Slow	Normal (3)	Little to none visible
PULSE RATE	Down (2)	Up	Up	Up	Up	Up	Down
BLOOD PRESSURE	Down	Up/Down (5)	Up	Up	Up	Up	Down
BODY TEMPERATURE	Normal	Up/Down/ Normal	Up	Normal	Up	Up	Down
GENERAL INDICATORS	Uncoordinated Disoriented Sluggish Thick, Slurred speech Drunk-like behavior Gait ataxia Drowsiness Droopy eyes Fumbling	Residue of substance around nose and mouth Odor of substance Possible nausea Slurred speech Disorientation Confusion Bloodshot, watery eyes Lack of muscle control Flushed face Non- communicativ e Intense headaches	Perspiring Warm to the touch Blank Stare Difficulty in speech Incomplete verbal responses Repetitive speech Increased pain threshold Cyclic behavior Confused and agitated Possibly violent and combative Chemical odor "Moon walking"	Very red eyes Odor of marijuana Body tremors Eyelid tremors Relaxed inhibitions Increased appetite Impaired perception of time and distance Possible paranoia Disorientation	Restlessness Body tremors Excited Euphoric Talkative Exaggerated reflexes Anxiety Bruxism Redness to nasal area Runny nose Loss of appetite Insomnia Increased alertness Dry mouth Irritability	Dazed appearance Body tremors Synesthesia Hallucinations Paranoia Uncoordinated Nausea Disoriented Difficulty in speech Perspiring Poor perception of time and distance Memory loss Disorientation Flashbacks (NOTE: With LSD, piloerection may be observed)	Droopy eyelids (ptosis) "On the nod" Drowsiness Depressed reflexes Low, raspy, slow speech Dry mouth Facial itching Euphoria Fresh puncture marks Nausea Track marks *Note: Tolerant users exhibit relatively little psychomotor impairment
USUAL METHODS OF ADMINISTRATION	Oral Injected	Insufflated	Smoked Oral Insufflated Injected Eye drops	Smoked Oral	Insufflated Smoked Injected Oral	Oral Insufflated Smoked Injected Transdermal	Injected Oral Smoked Insufflated
DURATION OF EFFECTS	1-16 hours (depending on the substance)	5 minutes to 8 hours (depending on the substance)	4-6 hours	2-3 hours	5 minutes to 12 hours (depending on the substance)	Varies depending on type of hallucinogen	4-24 hours (depending on the substance)
OVERDOSE SIGNS	Shallow breathing Cold, Clammy skin Pupils dilated Rapid, weak pulse Coma	Coma	Long, intense trip	Fatigue Paranoia	Agitation Increased body temp. Hallucination s Convulsions	Long, intense trip	Slow, shallow breathing Clammy skin Coma Convulsions

1. Soma and Quaaludes usually dilate pupils
  2. Quaaludes and ETOH may elevate
  3. Certain psychedelic amphetamines may cause slowing
  4. Normal but may be dilate
  5. Down with anesthetic gases, up with volatile solvents and aerosols
  6. Pupil size possibly normal
- \*High dose for that particular individual

## CUMULATIVE DRUG SYMPTOMATOLOGY MATRIX

CATEGORIES	Depressants	Stimulants	Hallucinogens	P.C.P.	Narcotic Analgesic	Inhalants	Cannabis
H.G.N.	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 Non 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 or Normal DOS ***	Normal
Muscle Tone	Flaccid	Possibly Rigid	Possibly Rigid	Rigid	Normal or Flaccid	Flaccid	Normal
General Indicators	Uncoordinated Disoriented Sluggish Thick Slurred Speech Drowsiness Drunk Like Behavior Fumbling Impaired Vision Droopy Eyes Body Tremors Will Be Evident W/ Quaaludes	Restlessness Body Tremors Excited Talkative Exaggerated Reflexes Anxiety Grinding of Teeth Insomnia Dry Mouth Irritability Runny Nose Redness to Nasal Area	Dazed Appearance Body Tremors Synesthesia Paranoia Hallucinations Disoriented Memory Loss Flashbacks Piloerection *** Perspiring Uncoordinated Speech Difficulty	Perspiring Warm to Touch Repetitive Speech Cyclic Behavior Speech Difficulty Incomplete Verbal Responses Increased Pain Threshold Possibly Violent	On the Nod Dry Mouth Facial Itching Droopy Eyelids Low Raspy Slow Speech Track Marks Euphoria Nausea Fresh Puncture Wounds	Odor of Substance Traces on Clothes or Face Bloodshot Watery Eyes Confused Disoriented Lack of Muscle Control Nausea Flushed Face Headaches	Odor of Marijuana Marijuana Debris in Mouth Eyelid Tremors Reddening of Conjunctiva Body Tremors Disoriented Relaxed Inhibitions Possible Paranoia
Duration of Effects	Barbs / 1 -16 Hrs Tranq / 4 - 8 Hrs Ludes / 4- 8 Hrs	Coca / 5-90 Min Amp / 4 -8 Hrs M.Amp / 12 Hrs	Will Vary Widely DOS ***	Onset / 1-5 Min Peak / 15-30 Min Effects / 4-6 Hrs	Heroin/4-6 Hrs Methadone up to 24 Hrs	Volatile Solvents 6 - 8 Hrs Others - Short	Exhibit Effects 2 -3 Hrs Impaired up to 24 Hrs

1. Soma & Quaaludes usually dilate pupils.
  2. Quaaludes & Alcohol may elevate.
  3. Certain Psychedelic Amphetamines cause slow reaction to light.
  4. Normal in most cases, must be dilated.
  5. Down with Anesthetic Gases, up with Volatile Solvents and Aerosols.
  6. Pupil size possibly normal.
- \*\* With LSD Piloerection may be observed (goose bumps, hair standing on end)  
 \*\*\* Depends on Substance Used.

PUPIL SIZE:  
 Normal Range = 3.0 mm - 6.5 mm  
 PULSE:  
 Normal Range = 60 / 90 BPS  
 BLOOD PRESSURE:  
 Normal Range = 120 / 140 Systolic  
 70 / 90 Diastolic  
 BODY TEMP.: Normal Range  
 98.6 degrees F + / - 1.0 degree

	CNS Depressant	CNS Stimulant	Halluc- inogen	PCP	Narcotic Analgesic	Inhalant	Cannabis
HGN	Present	None	None	Present	None	Present	None
VGN	Present (High Doses)	None	None	Present	None	Present (High Doses)	None
Lack of Convergence	Present	None	None	Present	None	Present	Present
Pupil Size	(1) Normal	Dilated	Dilated	Normal	Constricted	(4) Normal	(6) Dilated
Reaction to Light	Slow	Slow	(3) Normal	Normal	Little or None Visible	Slow	Normal
Pulse	(2) Down	Up	Up	Up	Down	Up	Up
Blood Pressure	Down	Up	Up	Up	Down	(5) Up/Down	Up
Temper- ature	Normal	Up	Up	Up	Down	Up/Down Normal	Normal

- (1) Soma and Quaaludes usually dilate  
(2) Quaaludes and alcohol may elevate  
(3) Certain psychedelic amphetamines cause slowing.  
(4) Normal but may be dilated  
(5) Down with anesthetic gasses-up with solvents  
(6) Possibly normal