

Supplementary Information

Search strategy: Ovid MEDLINE

1	(Alcohol* or benzodiazepine* or Cannabis or Cocaine or Drug or Drugs or Ethanol or Heroin or Marijuana or methamphetamine* or Opioid* or opiate* or Substance).ti.	759531
2	(Baclofen or Bupropion or Cannabinoid agonist* or Dronabinol or Gabapentin* or gamma-hydroxybutyric or GHB or g-hydroxybutyrate or Ketamine or Modafinil or Nabilone or Nabiximols or Oral delta-9-tetrahydrocannabinol or Oral THC or Pregabalin or Psychedelic* or Sodium oxybate or Stimulant or Stimulants or zolpidem or Armodafinil or Gabaergic or GABA B or GABAB or GABA-ergic or Lisdexamphetamine or Dextroamphetamine or Dexamfetamine or Desipramine).ti.	40578
3	((randomized controlled trial or controlled clinical trial).pt. or controlled.tw. or randomized.tw. or placebo.tw. or randomly.tw. or trial.tw. or groups.tw. or drug therapy.fs.) not (exp animals/ not humans.sh.)	4876857
4	1 and 2 and 3	1480
5	limit 4 to last 5 years	458
6	limit 5 to english language	447
7	limit 4 to last 15 years	1012
8	limit 7 to english language	976
9	8 not 6	529

Search strategy: Embase (Ovid)

1	(Alcohol* or benzodiazepine* or Cannabis or Cocaine or Drug or Drugs or Ethanol or Heroin or Marijuana or methamphetamine* or Opioid* or opiate* or Substance).ti.	948754
2	(Baclofen or Bupropion or Cannabinoid agonist* or Dronabinol or Gabapentin* or gamma-hydroxybutyric or GHB or g-hydroxybutyrate or Ketamine or Modafinil or Nabilone or Nabiximols or Oral delta-9-tetrahydrocannabinol or Oral THC or Pregabalin or Psychedelic* or Sodium oxybate or Stimulant or Stimulants or zolpidem or Armodafinil or Gabaergic or GABA B or GABAB or GABA-ergic or Lisdexamphetamine or Dextroamphetamine or Dexamfetamine or Desipramine).ti.	50422
3	exp clinical trial/ or crossover procedure/ or double-blind procedure/ or randomized controlled trial/ or single-blind procedure/ or (trial or groups or random* or factorial* or crossover* or (cross adj1 over*) or placebo* or (doubl* adj1 blind*) or (singl* adj1 blind*) or assign* or allocat* or volunteer*).tw.	5955173
4	1 and 2 and 3	1550
5	limit 4 to conference abstracts	369
6	4 not 5	1181
7	limit 6 to last 5 years	348
8	limit 7 to english language	343
9	limit 6 to last 15 years	803
10	limit 9 to english language	773
11	10 not 8	430

Search strategy: APA PsycInfo (Ovid)

1	(Alcohol* or benzodiazepine* or Cannabis or Cocaine or Drug or Drugs or Ethanol or Heroin or Marijuana or methamphetamine* or Opioid* or opiate* or Substance).ti.	182727
2	(Baclofen or Bupropion or Cannabinoid agonist* or Dronabinol or Gabapentin* or gamma-hydroxybutyric or GHB or g-hydroxybutyrate or Ketamine or Modafinil or Nabilone or Nabiximols or Oral delta-9-tetrahydrocannabinol or Oral THC or Pregabalin or Psychedelic* or Sodium oxybate or Stimulant or Stimulants or zolpidem or Armodafinil or Gabaergic or GABA B or GABAB or GABA-ergic or Lisdexamphetamine or Dextroamphetamine or Dexamfetamine or Desipramine).ti.	12275
3	exp clinical trials/ or treatment effectiveness evaluation/ or exp treatment outcomes/ or placebo/ or followup studies/ or (placebo* or random* or comparative stud* or (clinical adj3 trial*) or (research adj3 design) or (evaluat* adj3 stud*) or (prospectiv* adj3 stud*) or ((singl* or doubl* or trebl* or tripl*) adj3 (blind* or mask*)) or (randomi#ed adj7 trial*) or (controlled adj3 trial*)).tw,id.	524094
4	1 and 2 and 3	846
5	limit 4 to ("0200 book" or "0240 authored book" or "0280 edited book" or "0300 encyclopedia" or "0400 dissertation abstract")	32
6	4 not 5	814
7	limit 6 to last 5 years	194
8	limit 7 to english language	177
9	limit 6 to last 15 years	534
10	limit 9 to english language	506
11	10 not 8	329