

Appendix 1: Search strings by database [posted as supplied by author]

Medline		
Group	Search terms	
	MeSH (subterms in MeSH)	<i>Non MeSH</i>
#1 Opiate Substitution Treatment	Opiate Substitution Treatment Substance Abuse Treatment Centers Dextropropoxyphene Naltrexone Buprenorphine Methadone Methadyl Acetate (LAAM)	<i>Opiate Substitution</i> <i>Methadone</i> <i>Methadyl Acetate (LAAM)</i> <i>Substance Abuse Treatment</i> <i>Dextropropoxyphene</i> <i>Naltrexone</i> <i>Buprenorphine</i> <i>Opiate Treatment</i> <i>Treatment of opioid</i> <i>Treatment for heroin</i> <i>Maintenance</i> <i>Prescription opioid</i> <i>Opioid substitution</i> <i>Opioid replacement</i> <i>Codeine</i> <i>Dihydrocodeine</i>
#2 Mortality	Mortality Cause of Death Fatal Outcome Mortality, Premature Survival Rate	<i>Mortal*</i> <i>Fatal*</i> <i>Death*</i>
#3 Cohorts Studies	Cohort Studies Follow-Up Studies Longitudinal Studies National Longitudinal Study of Adolescent Health Prospective Studies Retrospective Studies	<i>Cohort</i> <i>Longitudinal</i> <i>Prospective</i> <i>Follow-up</i> <i>Retrospective</i> <i>Rate</i>
#4 Substance disorders	Substance-Related Disorders Drug Overdose Opioid-Related Disorders Heroin Dependence Morphine Dependence Substance Abuse, Intravenous Substance Withdrawal Syndrome	<i>Drug use*</i> <i>Drug abuse*</i> <i>Drug misuse*</i> <i>Drug dependence*</i> <i>Substance abuse*</i> <i>Substance use*</i> <i>Substance misuse*</i> <i>Substance dependence*</i> <i>Addict*</i> <i>Opioid dependence</i>
#1 AND #2 AND #3 AND #4:		1215

Embase		
Group	Search terms	
	EMTREE (subterms in EMTREE)	<i>Non EMTREE</i>
#1 Opioid Substitution Treatment	Drug dependence treatment Methadone treatment Nicotine replacement therapy Opiate substitution treatment Smoking cessation program Drugs used in the treatment of addiction Methadone Dextropropoxyphene Naltrexone Buprenorphine	<i>Opiate Substitution</i> <i>Methadone</i> <i>Methadyl Acetate (LAAM)</i> <i>Substance Abuse Treatment</i> <i>Dextropropoxyphene</i> <i>Naltrexone</i> <i>Buprenorphine</i> <i>Opiate Treatment</i> <i>Treatment of opioid</i> <i>Treatment for heroin</i> <i>Maintenance</i> <i>Prescription opioid</i> <i>Opioid substitution</i> <i>Opioid replacement</i> <i>Codeine</i>
#2 Mortality	Mortality Death Accidental/cause of death	<i>Mortal*</i> <i>Fatal*</i> <i>Death*</i>
#3 Cohorts Studies	Cohort analysis Follow-up Longitudinal studies Prospective studies Retrospective studies	<i>Cohort</i> <i>Longitudinal</i> <i>Prospective</i> <i>Follow-up</i> <i>Retrospective</i> <i>Rate</i>
#4 Substance disorders	Drug dependence Drug abuse pattern Drug misuse Drug seeking behavior Multiple drug abuse Narcotic dependence Heroin dependence Morphine addiction Opiate addiction Substance abuse Drug abuse Analgesic agent abuse Drug abuse pattern Drug misuse Intravenous drug abuse Multiple drug abuse	<i>Opiate Substitution</i> <i>Methadone</i> <i>Methadyl Acetate (LAAM)</i> <i>Substance Abuse Treatment</i> <i>Dextropropoxyphene</i> <i>Naltrexone</i> <i>Buprenorphine</i> <i>Opiate Treatment</i> <i>Treatment of opioid</i> <i>Treatment for heroin</i> <i>Maintenance</i> <i>Prescription opioid</i> <i>Opioid substitution</i> <i>Opioid replacement</i> <i>Codeine</i> <i>Dihydrocodeine</i>
#1 AND #2 AND #3 AND #4:		1412
Limits Activated: Humans, All Adult: 19+ years, Adolescent: 13-18 years		729

PsycINFO		
Group	Search terms	
	THESAURUS (subterms)	<i>Non THESAURUS</i>
#1 Opioid Substitution Treatment	Maintenance Therapy Methadone Methadone Maintenance Naltrexone	<i>Opiate Substitution</i> <i>Methadone</i> <i>Methadyl Acetate (LAAM)</i> <i>Substance Abuse Treatment</i> <i>Dextropropoxyphene</i> <i>Naltrexone</i> <i>Buprenorphine</i> <i>Treatment of opioid</i> <i>Treatment for heroin</i> <i>Maintenance</i> <i>Prescription opioid</i> <i>Opioid substitution</i> <i>Opioid replacement</i>
#2 Mortality	Death and Dying (mortality) Mortality Rate	<i>Mortal*</i> <i>Fatal*</i> <i>Death*</i>
#3 Cohorts Studies	Cohort analysis Follow-up Longitudinal studies Prospective studies Retrospective studies	<i>Cohort</i> <i>Longitudinal</i> <i>Prospective</i> <i>Follow-up</i> <i>Retrospective</i> <i>Rate</i>
#4 Substance disorders	Drug Abuse Alcohol Abuse Drug Dependency Inhalant Abuse Polydrug Abuse Drug addiction	<i>Opiate Substitution</i> <i>Methadone</i> <i>Methadyl Acetate (LAAM)</i> <i>Substance Abuse Treatment</i> <i>Dextropropoxyphene</i> <i>Naltrexone</i> <i>Buprenorphine</i> <i>Opiate Treatment</i> <i>Treatment of opioid</i> <i>Treatment for heroin</i> <i>Prescription opioid</i> <i>Opioid substitution</i> <i>Opioid replacement</i> <i>Codeine</i> <i>Dihydrocodeine</i>
#1 AND #2 AND #3 AND #4:		486

LILACS		
Group	Search terms*	
#1 Opioid Substitution Treatment	Opiate Substitution Methadone Methadyl Acetate LAAM Substance Abuse Treatment Dextropropoxyphene Naltrexone Buprenorphine	Opiate Treatment Treatment of opioid Treatment for heroin Maintenance Prescription opioid Opioid substitution Opioid replacement Codeine Dihydrocodeine
#2 Mortality	Mortality	Deaths
#3 Cohorts Studies	Cohort Longitudinal Prospective	Follow-up Retrospective Rate
#4 Substance disorders	Drug use* Drug abuse* Drug misuse* Drug dependence* Substance abuse* Substance use*	Substance misuse* Substance dependence* Addict* Addiction Opioid dependence
#1 AND #2 AND #3 AND #4:		182

*All terms were searched in English and Spanish.