

Addiction & Pharmacy Education

All literature database searches were performed in April 2016 in five databases: Ovid MEDLINE, Ovid MEDLINE In-Process & Other Non-Indexed Citations, Embase.com, ERIC via FirstSearch, and CINAHL via EBSCOhost. Each search consisted of a combination of pharmacy education and substance use disorder language, with the appropriate controlled vocabulary and subject terms supplemented by title and abstract keywords. All searches were limited to English language studies. No other limits were applied. The search results in each database were exported to Endnote X6. Duplicate citations were identified and removed in Endnote through its Find Duplicates feature and a manual screen of all citations. The remaining citations were exported to Excel for eligibility screening.

Notes:

- Total number of citations after duplicates removed in Endnote X7 = 1626

Ovid Medline & In-Process (785 results)

1. exp education, pharmacy/ or exp schools, pharmacy/ or exp students, pharmacy/ or exp pharmacy/ed or (exp pharmacists/ and (exp teaching/ or exp learning/ or exp curriculum/)) or ((pharm* or apothecar*) adj15 (educat* or experient* or instruction or school* or college* or universit* or curric* or syllab* or student* or residen* or rotation or rotations or teach* or learning or preceptor*)).tw.
2. exp substance-related disorders/ or exp behavior, addictive/ or (addict* or alcoholic* or dipsomania* or toxicomania or narcotism or tobaccoism).tw. or ((alcohol* or amphetamine* or cannab* or chemical or cigar* or cocaine or drug* or ethanol or hash or hashish or nicotine or opiate* or opioid* or opium or smok* or stimulant* or substance* or tobacco) adj5 (abuse* or dependen* or habituation)).tw. or ((alcohol* or cannab* or cocaine or substance* or tobacco) adj5 disorder*).tw. or ((alcohol* or cannab* or cigar* or cocaine or drink* or drug* or hash or hashish or nicotine or opiate* or opioid* or opium or smok* or stimulant* or substance* or tobacco) adj5 problem*).tw. or (alcohol* adj5 (neuropath* or polyneur*)).tw. or (drug adj3 facilitation).tw.
3. (and/1-2) and english.la

Embase.com (1019 results)

(addict* NEAR/5 (education OR curriculum)):ab,ti AND pharm*:ab,ti OR ('pharmacist'/exp/mj OR 'pharmacy'/exp/mj OR 'pharmacy student'/exp/mj AND 'education'/exp/mj) OR ((pharm* OR apothecar*) NEAR/5 (educat* OR experient* OR instruction OR school* OR college* OR universit* OR curric* OR syllab* OR student* OR residen* OR rotation OR rotations OR teach* OR learn* OR preceptor*)):ab,ti AND ('substance abuse'/exp OR 'drug abuse'/exp OR 'addiction'/exp OR addict*:ab,ti OR alcoholic*:ab,ti OR dipsomania*:ab,ti OR toxicomania:ab,ti OR narcotism:ab,ti OR tobaccoism:ab,ti OR ((alcohol* OR amphetamine* OR cannab* OR chemical OR cigar* OR cocaine OR drug* OR ethanol OR hash OR hashish OR nicotine OR opiate* OR

opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) NEAR/3 (abuse* OR dependen* OR habituation)):ab,ti OR ((alcohol* OR cannab* OR cocaine OR substance* OR tobacco) NEAR/3 disorder*):ab,ti OR ((alcohol* OR cannab* OR cigar* OR cocaine OR drink* OR drug* OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) NEAR/3 problem*):ab,ti OR (alcohol* NEAR/3 (neuropath* OR polyneur*)):ab,ti OR (drug* NEAR/3 facilitation):ab,ti) AND [english]/lim

ERIC via FirstSearch (57 results)

ln= "english" and ((su: pharmaceutical w education) OR ((ti: pharmac* OR ti: apothecar*) AND (ti: educat* OR ti: experient* OR ti: curricul* OR ti: school* OR ti: college* OR ti: universit* OR ti: teach* OR ti: learn* OR ti: instruct* OR ti: syllab* OR ti: student* OR ti: rotation* OR ti: preceptor* OR ti: competenc*)) OR (ab: pharmac* n5 education*) OR (ab: pharmac* n5 educator) OR (ab: pharmac* n5 educators) OR (ab: pharmac* n5 educating) OR (ab: pharmac* n5 experient*) OR (ab: pharmac* n5 curricul*) OR (ab: pharmac* n5 school) OR (ab: pharmac* n5 schools) OR (ab: pharmac* n5 schooling) OR (ab: pharmac* n5 college*) OR (ab: pharmac* n5 universit*) OR (ab: pharmac* n5 teach) OR (ab: pharmac* n5 teaches) OR (ab: pharmac* n5 teacher) OR (ab: pharmac* n5 teachers) OR (ab: pharmac* n5 teaching) OR (ab: pharmac* n5 learn) OR (ab: pharmac* n5 learning) OR (ab: pharmac* n5 learner) OR (ab: pharmac* n5 learners) OR (ab: pharmac* n5 learned) OR (ab: pharmac* n5 instruct) OR (ab: pharmac* n5 instructor) OR (ab: pharmac* n5 instructors) OR (ab: pharmac* n5 instructing) OR (ab: pharmac* n5 syllab*) OR (ab: pharmac* n5 student) OR (ab: pharmac* n5 students) OR (ab: pharmac* n5 rotation*) OR (ab: pharmac* n5 preceptor*) OR (ab: pharmac* n5 competen*) OR (ab: apothecar* n5 education*) OR (ab: apothecar* n5 educator) OR (ab: apothecar* n5 educators) OR (ab: apothecar* n5 educating) OR (ab: apothecar* n5 experient*) OR (ab: apothecar* n5 curricul*) OR (ab: apothecar* n5 school) OR (ab: apothecar* n5 schools) OR (ab: apothecar* n5 schooling) OR (ab: apothecar* n5 college*) OR (ab: apothecar* n5 universit*) OR (ab: apothecar* n5 teach) OR (ab: apothecar* n5 teaches) OR (ab: apothecar* n5 teacher) OR (ab: apothecar* n5 teachers) OR (ab: apothecar* n5 teaching) OR (ab: apothecar* n5 learn) OR (ab: apothecar* n5 learning) OR (ab: apothecar* n5 learner) OR (ab: apothecar* n5 learners) OR (ab: apothecar* n5 learned) OR (ab: apothecar* n5 instruct) OR (ab: apothecar* n5 instructor) OR (ab: apothecar* n5 instructors) OR (ab: apothecar* n5 instructing) OR (ab: apothecar* n5 syllab*) OR (ab: apothecar* n5 student) OR (ab: apothecar* n5 students) OR (ab: apothecar* n5 rotation*) OR (ab: apothecar* n5 preceptor*) OR (ab: apothecar* n5 competen*) and (su: drug w addiction OR su: substance w abuse OR su: addictive w behavior OR ti: addict OR ti: addicts OR ti: addiction* OR ti: alcoholic* OR ti: dipsomania* OR ti: toxicomania OR ti: narcotism OR ti: tobaccoism OR ((ti: alcohol* OR ti: amphetamine* OR ti: cannab* OR ti: chemical OR ti: cigar* OR ti: cocaine OR ti: drug* OR ti: ethanol OR ti: hash OR ti: hashish OR ti: nicotine OR ti: opiate* OR ti: opioid* OR ti: opium OR ti: smok* OR ti: stimulant* OR ti: substance* OR ti: tobacco) AND (ti: abuse* OR ti: dependen* OR ti: habituation OR ti: disorder* OR ti: problem* OR ti: neuropath* OR ti: polyneur* OR ti: facilitation)) OR ab:

addict OR ab: addicts OR ab: addiction OR ab: alcoholic* OR ab: dipsomania* OR ab: toxicomania OR ab: narcotism OR ab: tobaccoism OR ((ab: alcohol* n5 abuse*) OR (ab: alcohol* n5 dependen*) OR (ab: alcohol* n5 habituation) OR (ab: amphetamine* n5 abuse*) OR (ab: amphetamine* n5 dependen*) OR (ab: amphetamine* n5 habituation) OR (ab: cannab* n5 abuse*) OR (ab: cannab* n5 dependen*) OR (ab: cannab* n5 habituation) OR (ab: chemical n5 abuse*) OR (ab: chemical n5 dependen*) OR (ab: chemical n5 habituation) OR (ab: cigar* n5 abuse*) OR (ab: cigar* n5 dependen*) OR (ab: cigar* n5 habituation) OR (ab: cocaine n5 abuse*) OR (ab: cocaine n5 dependen*) OR (ab: cocaine n5 habituation) OR (ab: drug* n5 abuse*) OR (ab: drug* n5 dependen*) OR (ab: drug* n5 habituation) OR (ab: ethanol n5 abuse*) OR (ab: ethanol n5 dependen*) OR (ab: ethanol n5 habituation) OR (ab: hash* n5 abuse*) OR (ab: hash* n5 dependen*) OR (ab: hash* n5 habituation) OR (ab: nicotine n5 abuse*) OR (ab: nicotine n5 dependen*) OR (ab: nicotine n5 habituation) OR (ab: opiate* n5 abuse*) OR (ab: opiate* n5 dependen*) OR (ab: opiate* n5 habituation) OR (ab: opioid* n5 abuse*) OR (ab: opioid* n5 dependen*) OR (ab: opioid* n5 habituation) OR (ab: opium n5 abuse*) OR (ab: opium n5 dependen*) OR (ab: opium n5 habituation) OR (ab: smok* n5 abuse*) OR (ab: smok* n5 dependen*) OR (ab: smok* n5 habituation) OR (ab: stimulant* n5 abuse*) OR (ab: stimulant* n5 dependen*) OR (ab: stimulant* n5 habituation) OR (ab: substance* n5 abuse*) OR (ab: substance* n5 dependen*) OR (ab: substance* n5 habituation) OR (ab: tobacco n5 abuse*) OR (ab: tobacco n5 dependen*) OR (ab: tobacco n5 habituation) OR (ab: alcohol* n5 disorder*) OR (ab: cannab* n5 disorder*) OR (ab: cocaine n5 disorder*) OR (ab: substance* n5 disorder*) OR (ab: tobacco n5 disorder*) OR (ab: alcohol* n5 problem*) OR (ab: cannab* n5 problem*) OR (ab: cigar* n5 problem*) OR (ab: cocaine n5 problem*) OR (ab: drink* n5 problem*) OR (ab: drug* n5 problem*) OR (ab: hash* n5 problem*) OR (ab: nicotine n5 problem*) OR (ab: opiate* n5 problem*) OR (ab: opioid* n5 problem*) OR (ab: opium n5 problem*) OR (ab: smok* n5 problem*) OR (ab: stimulant* n5 problem*) OR (ab: substance* n5 problem*) OR (ab: tobacco n5 problem*) OR (ab: alcohol* n5 neuropath*) OR (ab: alcohol n5 polyneur*) OR (ab: drug* n3 facilitation))))

CINAHL (285 results, limited to English)

1. MH "Pharmacy and Pharmacology+/ED" OR MH "Students, Pharmacy" OR MH "Education, Pharmacy" OR MH "Pharmacists/ED"
2. MH ("pharmacy and pharmacology") AND MH (curriculum OR education)
3. TI ((pharm* OR apothecar*) AND (educat* OR experient* OR instruction OR school* OR college* OR universit* OR curric* OR syllab* OR student* OR residen* OR rotation OR rotations OR teach* OR learning OR preceptor*)) OR AB ((pharm* OR apothecar*) N15 (educat* OR experient* OR instruction OR school* OR college* OR universit* OR curric* OR syllab* OR student* OR residen* OR rotation OR rotations OR teach* OR learn* OR preceptor*))
4. S1 OR S2 OR S3
5. MH "substance abuse+" OR MH "substance use disorders+"
6. TI (addict* OR alcoholic* OR dipsomania* OR toxicomania OR narcotism OR tobaccoism) OR AB (addict* OR alcoholic* OR dipsomania* OR toxicomania OR narcotism OR tobaccoism)
7. TI ((alcohol* OR amphetamine* OR cannab* OR chemical OR cigar* OR cocaine OR drug* OR ethanol OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR

stimulant* OR substance* OR tobacco) N5 (abuse* OR dependen* OR habituation)) OR AB (alcohol* OR amphetamine* OR cannab* OR chemical OR cigar* OR cocaine OR drug* OR ethanol OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) N5 (abuse* OR dependen* OR habituation))

8. TI (alcohol* OR amphetamine* OR cannab* OR chemical OR cigar* OR cocaine OR drug* OR ethanol OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) N5 (abuse* OR dependen* OR habituation)) OR AB (alcohol* OR amphetamine* OR cannab* OR chemical OR cigar* OR cocaine OR drug* OR ethanol OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) N5 (abuse* OR dependen* OR habituation))

9. TI (alcohol* OR cannab* OR cocaine OR substance* OR tobacco) N5 disorder*) OR AB (alcohol* OR cannab* OR cocaine OR substance* OR tobacco) N5 disorder*)

10. TI (alcohol* OR cannab* OR cigar* OR cocaine OR drink* OR drug* OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) N5 problem*) OR AB (alcohol* OR cannab* OR cigar* OR cocaine OR drink* OR drug* OR hash OR hashish OR nicotine OR opiate* OR opioid* OR opium OR smok* OR stimulant* OR substance* OR tobacco) N5 problem*)

11. TI (alcohol* N5 (neuropath* OR polyneur*)) OR AB (alcohol* N5 (neuropath* OR polyneur*))

12. S5 OR S6 OR S7 OR S8 OR S9 OR S10

13. S4 AND S12

14. MH "substance abuse+/ED" AND (TI pharm* OR AB pharm*)

15. S13 OR S14