

Effekter av skadereducerande insatser vid skadligt bruk eller beroende av narkotika

Fråga

Vilken sammanställd forskning finns om positiva och negativa effekter, för individer och samhällen, av skadereducerande insatser till personer med skadligt bruk eller beroende av narkotika?

Frågeställare: S 2022:01 Narkotikautredningen

Bakgrund

Skadereducering inom narkotikaområdet, på engelska "harm reduction", saknar en allmänt accepterad definition. Världshälsoorganisationen (WHO) beskriver begreppet så här: "Harm reduction is a set of policies, programmes, services and actions that aim to reduce the harm to individuals, communities and society related to drugs, including HIV infection." [1].

I Narkotikautredningens direktiv [2] ingår att göra en internationell utblick av tillgängliga skadereducerande insatser och den aktuella utvecklingen inom området, samt vid behov lämna förslag på nya insatser som bör vidtas i Sverige för att minska de medicinska och sociala skadeverkningarna av narkotikabruk.

Frågeställning och avgränsningar

Upplysningstjänsten har tillsammans med frågeställaren formulerat frågan enligt följande PICO¹:

- **Population:** Personer med skadligt bruk eller beroende (missbruk) av narkotika, inklusive narkotikaklassade läkemedel utanför ordination
Exkludera: Studier som främst rör alkohol
- **Intervention:** Skadereducerande insatser inom sjukvård eller socialtjänst som präglas av låga trösklar och krav för att få tillgång till insatsen
Exkludera: Policyer, strategier
- **Control:** Ingen insats, sedvanlig insats, annan insats utan låga trösklar och med krav för att få tillgång till insatsen
- **Outcome:** Exempel på utfall av intresse på individ- och samhällsnivå:
 - Etablerad kontakt med målgruppen
 - Livskvalitet, funktionsförmåga
 - Bostadssituation
 - Kriminalitet
 - Riskbeteenden
 - Grad av droganvändning
 - Fysisk och psykisk hälsa
 - Narkotikarelaterad dödlighet (överdoser och förgiftningar)
 - Effekter i lokalsamhället
 - Att genom insatsen komma i kontakt med annan vård, stöd och behandling
 - Tillfrisknande med drogfrihet som mål, rehabilitering
 - Insatsens förenlighet med rådande narkotikapolitik
 - Kostnadseffektivitet

- **Övriga avgränsningar:**

Setting: Sjukvård, socialtjänst och frivilligorganisationer

Exkludera: Studier med fokus uteslutande på låginkomstländer

Studiedesign: I första hand söktes systematiska översikter (SÖ) av kontrollerade studier med eller utan randomisering. Om sådana inte hittades söktes även SÖ av observationsstudier (kohortdesign, fall-kontroll-design, tvärsnittsstudier).

Exkludera: Kvalitativ forskning

Tid: Ingen avgränsning

Språk: Engelska eller de skandinaviska språken

Publikationstyp: Publicerad i vetenskaplig tidskrift med peer-review

¹ PICO är en förkortning för patient/population/problem, intervention/index test, comparison/control (jämförelseintervention) och outcome (utfallsmått).

Litteratursökning gjordes i Medline (Ovid), PsycINFO (Ebsco), SocIndex (Ebsco) samt i Criminal Justice Abstracts (Ebsco) (se sökdokumentation Bilaga 1).

Vid gallring av identifierade artiklar kopplat till den parallellt undersökta frågan om benägenhet att söka vård och stöd märkte vi upp artiklar som potentiellt kan vara relevanta för frågan om skadereducering. Vi sökte även efter rapporter om skadereducerande insatser inom socialtjänstområdet på SBU:s webbplats.

Systematiska översikter samt reviews of reviews, scoping reviews och literature reviews med väl utförd och dokumenterad litteratursökning inkluderades, liksom olika typer av SBU-rapporter.

Upplysningstjänsten bedömde i detta svar inte risken för bias (snedvridning) i översikterna och därmed redovisades inte heller några resultat.

Resultat från sökningen

Upplysningstjänstens litteratursökning genererade totalt 396 artikelsammanfattningar (abstrakt) efter dubblettkontroll. Dessutom identifierades 11 artiklar genom handsökning samt fem SBU-rapporter. Två projektledare på SBU läste alla artikelsammanfattningar och bedömde att 75 översikter kunde vara relevanta för frågan. Dessa artiklar lästes i fulltext av två projektledare, med fokus på att bedöma om artiklarna svarade på den aktuella frågeställningen (PICO) och om publikationstypen överensstämde med inklusionskriterierna. De artiklar som inte var relevanta för frågan exkluderades. Exkluderade artiklar finns listade i Bilaga 3.

Inkluderade översikter

SBU:s Upplysningstjänst identifierade 29 översikter och en rättelse (corrigendum) som vi bedömde kunde vara relevanta sett till PICO och publikationstyp. Översikterna finns listade i Bilaga 2, uppdelat i tabell A och B. I tabell A listas artiklar som klassats som systematiska översikter och i tabell B översikter som till stor del uppfyller kraven för en systematisk översikt, men där översiktsförfattarna benämnt artikeln som review of review, scoping review eller literature review. I tabellerna har vi även markerat vår tolkning av om insatserna genomförts inom hälso- och sjukvård, socialtjänst (eller liknande verksamheter), eller inom båda. Vi har också markerat vilka översikter som inkluderar utfallet död. Observera att vi inte har kvalitetsbedömt översikterna med avseende på risken för bias (risken för snedvridning av resultat). Flera av artiklarna i Bilaga 2 kan därför utgöras av översikter som vi skulle ha bedömt ha en högre risk för bias än vad vi normalt inkluderar i svar från Upplysningstjänsten [3].

Inkluderade SBU-rapporter

SBU har publicerat följande rapporter inom socialtjänstområdet som vi bedömde kan vara relevanta för frågan:

- År 2019 genomförde SBU en kartläggning av kunskapsläget utifrån systematiska översikter gällande utredningar och insatser inom socialtjänsten vid missbruk och beroende av alkohol och narkotika [4].
- I en SBU Kommenterar från år 2018 [5] sammanfattade och kommenterade SBU en systematisk litteraturöversikt från Folkhelseinstituttet i Norge. Översikten jämförde insatser för hemlösa personer och för personer som riskerade att bli hemlösa, och analyserade insatsernas effekter på hemlöshet. I majoriteten av studierna bedömdes personerna ha psykisk ohälsa, substansberoende, eller båda. ”Bostad först” fanns bland de utvärderade insatserna.
- SBU tog år 2017 fram vetenskapligt underlag till Socialstyrelsens nationella riktlinjer för vård och behandling vid schizofreni [6]. Ett av kapitlen berör Assertive Community Treatment (ACT) och samtidigt missbruk.
- År 2016 utvärderade SBU program för ungdomar med antisocial problematik inom institutionsvård [7]. Ett av de utvärderade programmen var Adolescent Community Reinforcement Approach (A-CRA), vilket kan tolkas som en skadereducerande insats i samband med utskrivning från institutionsvistelse.
- SBU:s Upplysningstjänst sammanställde år 2022 forskningen om psykologisk behandling via videosamtal vid skadligt bruk eller beroende av substanser [8]. Insatserna omfattade vårdkontakt eller psykologisk behandling, insatser som hör till hälso- och sjukvården. Vi valde ändå att inkludera detta svar från Upplysningstjänsten.

Lästips

I Bilaga 4 listas nio översikter som kan vara av intresse för utredningen, trots att vi bedömde att de inte uppfyllde alla uppställda kriterier för inklusion. Referenserna till samtliga lästips hittas i Bilaga 3, där även huvudsaklig exklusionsorsak anges.

Projektgrupp

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Referenser

1. Policy guidance by HIV intervention area. World Health Organization (WHO). [accessed February 27 2023]. Available from: [https://www.who.int/europe/teams/joint-infectious-diseases-unit-\(jid\)/hiv-aids](https://www.who.int/europe/teams/joint-infectious-diseases-unit-(jid)/hiv-aids).
2. Dir. 2022:24. En svensk narkotikapolitik anpassad till nutidens och framtidens utmaningar. Kommittédirektiv från Socialdepartementet. Stockholm. [accessed Feb 16 2023]. Available from: <https://www.regeringen.se/rattsliga-dokument/kommittedirektiv/2022/03/dir.-202224/>.
3. Shea BJ, Hamel C, Wells GA, Bouter LM, Kristjansson E, Grimshaw J, et al. AMSTAR is a reliable and valid measurement tool to assess the methodological quality of systematic reviews. *J Clin Epidemiol*. 2009;62(10):1013-20. Available from: <https://doi.org/10.1016/j.jclinepi.2008.10.009>.
4. SBU. Missbruk och beroende av alkohol och narkotika – Kunskapsläget för utredningar och insatser inom socialtjänsten. En kartläggning av systematiska översikter. Stockholm: Statens beredning för medicinsk och social utvärdering (SBU); 2019. SBU-rapport nr 296. ISBN 978-91-88437-38-9.
5. SBU. Insatser för att minska hemlöshet för personer med missbruk, beroende och psykisk ohälsa. Stockholm: Statens beredning för medicinsk och social utvärdering (SBU); 2018. SBU Kommenterar 2018_04. [accessed Feb 28 2023]. Available from: https://www.sbu.se/2018_04.
6. SBU. Vetenskapligt underlag till Socialstyrelsens nationella riktlinjer för vård och behandling vid schizofreni: Statens beredning för medicinsk och social utvärdering (SBU); 2017. SBU Bereder 271. [accessed Feb 28 2023]. Available from: <http://www.sbu.se/271>.
7. SBU. Program för ungdomar med antisocial problematik inom institutionsvård. En systematisk översikt och utvärdering av ekonomiska, sociala och etiska aspekter. Stockholm: Statens beredning för medicinsk och social utvärdering (SBU); 2016. SBU-rapport nr 252. ISBN 978-91-85413-95-9.
8. SBU. Psykologisk behandling och vårdkontakt på distans vid skadligt bruk och beroende av substanser [Internet]. Stockholm: Statens beredning för medicinsk och social utvärdering (SBU); 2022. SBU:s upplysningstjänst. [accessed Feb 28 2023]. Available from: <https://www.sbu.se/ut202213>.

Bilaga 1 Dokumentation av sökstrategier

Medline via OvidSP 20 February 2023

Title: Harm reduction in drug use/addiction – focused search

Search terms	Items found
Population/Population:	
1. exp Harm Reduction/ or ((harm or harmful) adj3 (reduc* or minimi*)).ti,ab or "harm reduction".ti,ab,kw.	13865
2. (drug adj2 (abuse* or intervention* or treatment or users)).ti or (substance adj2 (abuse* or disorder* or misuse or treatment)).ti or illicit drugs.ti or marijuana.ti or cannabis.ti	53773
3. exp Drug Users/ or exp Illicit Drugs/ or *substance-related disorders/ or exp amphetamine-related disorders/ or exp cocaine-related disorders/ or exp drug overdose/ or exp inhalant abuse/ or exp marijuana abuse/ or exp narcotic-related disorders/ or exp substance abuse, intravenous/ or exp substance abuse, oral/ or exp "marijuana use"/ or marijuana smoking/	160078
4. 2 or 3	179654
5. 1 and 4	4549
Study types: systematic reviews and meta-analysis / randomized controlled trials²	
6. Systematic Review.pt. OR Meta-Analysis.pt. OR Cochrane Database Syst Rev.ja. OR ((systematic adj4 review) OR "meta analys*" OR metaanalys*).ti,ab,bt.	430455
7. (exp qualitative research/ and "review"/) or ("mixed methods".ti,ab. And "review"/) or ((review or systematic or meta or synthes*) adj3 (qualitative or narrative or interpret* or integrative or evidence)).af. or (meta adj3 (study or studies or synthes* or ethnograph* or "data analys*" or summary)).af. or ((realist or framework or thematic or "mixed method*") adj3 (synthes* or review)).af. or ((meta* or review or synthes* or systematic) adj3 "grounded theory").af. or ((information or data) adj2 synthes*).af. or (metasynthes* or metaethnograph* or "qualitative cross-case analysis" or "aggregated analys*" or "critical interpretive synthesis" or "meta-narrative").af.	172175
8. 6 or 7	523466
Combined sets:	
9. 5 and 8	217
Final result	
10. 9.	217

/ = Term from the MeSH controlled vocabulary

.sh = Term from the MeSH controlled vocabulary

exp= Term from MeSH including terms found below this term in the MeSH hierarchy

.ti,ab = Title or abstract

.tw = Title or abstract

.kf = Keywords

.kw = Keywords, exact

.bt = Book title. NLM Bookshelf.

.pt = Publication type

.ja = Journal abbreviation

.af = All fields

adjn = Adjacent. Proximity operator retrieving adjacent words, adj3 retrieves records with search terms within two terms from each other.

* or \$ = Truncation

" " = Citation Marks; searches for an exact phrase

² Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2008 revision); Ovid format. The Cochrane Collaboration; 2008. Available from: <https://training.cochrane.org/handbook/current/chapter-04-technical-supplement-searching-and-selecting-studies#section-3-6-1>. with modifications: the following terms are added: clinical trial, phase iii.pt. ; randomised.ab. ; ("Phase 3" or "phase3" or "phase III" or P3 or "PIII").ti,ab,kw.

Criminal Justice Abstracts, PsycInfo, SocIndex via EBSCO 20 February 2023

Title: Harm reduction in drug use/addiction – focused search

Search terms	Items found
Population:	
1. (TI (((harm or harmful) n2 (minimis* or 7inimize* or prevent* or reduc*))) OR SU (((harm or harmful) n2 (minimis* or 7inimize* or prevent* or reduc*)))) OR AB ((harm or harmful) n2 (minimis* or 7inimize* or prevent* or reduc*))	18806
2. TI ((drug n2 (abuse* or intervention* or treatment or users)) or (substance n2 (abuse* or disorder* or misuse or treatment or use)) or “illicit drugs” or marijuana or cannabis) OR AB ((drug n2 (abuse* or intervention* or treatment or users)) or (substance n2 (abuse* or disorder* or misuse or treatment or use)) or “illicit drugs” or marijuana or cannabis) OR SU ((drug n2 (abuse* or intervention* or treatment or users)) or (substance n2 (abuse* or disorder* or misuse or treatment or use)) or “illicit drugs” or marijuana or cannabis)	290235
3. 1 AND 2 Limiters – Peer Reviewed; Publication Type: Academic Journal; Language: Danish, English, Norwegian, Swedish; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish; Publication Type: Periodical; Language: Danish, English, Norwegian, Swedish	6602
Combined sets/Limits:	
4. 3. Narrow by Methodology: - metasynthesis Narrow by Methodology: - meta analysis Narrow by Methodology: - systematic review Narrow by Methodology: - literature review	251
Final result	
5. 4.	251

TI = Title

AB = Abstract

SU = Keyword, exact or part (including all other fields for indexed and author keywords)

DE = Exact keyword

TX = All text

MR = Methodology

Nn = Near. Proximity operator retrieving terms within n words from each other.

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

Bilaga 2 Inkluderade relevanta översikter

A. Relevanta systematiska översikter som inkluderats efter fulltextläsning

Publication	Health care interventions	Social interventions	Mortality outcome
Abdul-Quader AS, Feelemyer J, Modi S, Stein ES, Briceno A, Semaan S, et al. Effectiveness of structural-level needle/syringe programs to reduce HCV and HIV infection among people who inject drugs: a systematic review. <i>Aids Behav.</i> 2013;17(9):2878-92. Available from: https://doi.org/https://dx.doi.org/10.1007/s10461-013-0593-y .	X		
Aspinall EJ, Nambiar D, Goldberg DJ, Hickman M, Weir A, Van Velzen E, et al. Are needle and syringe programmes associated with a reduction in HIV transmission among people who inject drugs: a systematic review and meta-analysis. <i>Int J Epidemiol.</i> 2014;43(1):235-48. Available from: https://doi.org/https://dx.doi.org/10.1093/ije/dyt243 .	X		
Asuzu K, Matin A, Van Noord M, Onigu-Otite E. Electronically-delivered interventions to reduce cannabis use in adolescents: A systematic review. <i>Adolescent Psychiatry.</i> 2018;8(3):195-213. Available from: https://doi.org/10.2174/2210676609666181203094249 .		X	
Barbosa C, Dowd WN, Zarkin G. Economic Evaluation of Interventions to Address Opioid Misuse: A Systematic Review of Methods Used in Simulation Modeling Studies. <i>Value Health.</i> 2020;23(8):1096-108. Available from: https://doi.org/https://dx.doi.org/10.1016/j.jval.2020.03.015 .	X		X
Beaulieu E, DiGennaro C, Stringfellow E, Connolly A, Hamilton A, Hyder A, et al. Economic Evaluation in Opioid Modeling: Systematic Review. <i>Value Health.</i> 2021;24(2):158-73. Available from: https://doi.org/https://dx.doi.org/10.1016/j.jval.2020.07.013 .	X		
Bolivar HA, Klemperer EM, Coleman SRM, DeSarno M, Skelly JM, Higgins ST. Contingency Management for Patients Receiving Medication for Opioid Use Disorder: A Systematic Review and Meta-analysis. <i>JAMA psychiatry.</i> 2021;78(10):1092-102. Available from: https://doi.org/https://dx.doi.org/10.1001/jamapsychiatry.2021.1969 .	X		
De Crescenzo F, Ciabattini M, D'Alo GL, De Giorgi R, Del Giovane C, Cassar C, et al. Comparative efficacy and acceptability of psychosocial interventions for individuals with cocaine and amphetamine addiction: A systematic review and network meta-analysis. <i>PloS medicine.</i> 2018;15(12):e1002715. Available from: https://doi.org/https://dx.doi.org/10.1371/journal.pmed.1002715 .	X		

Publication	Health care interventions	Social interventions	Mortality outcome
Gilchrist G, Swan D, Widyaratna K, Marquez-Arrico JE, Hughes E, Mdege ND, et al. A Systematic Review and Meta-analysis of Psychosocial Interventions to Reduce Drug and Sexual Blood Borne Virus Risk Behaviours Among People Who Inject Drugs. <i>Aids Behav.</i> 2017;21(7):1791-811. Available from: https://doi.org/https://dx.doi.org/10.1007/s10461-017-1755-0 .	X	X	
Gunn AH, Smothers ZPW, Schramm-Sapyta N, Freiermuth CE, MacEachern M, Muzyk AJ. The Emergency Department as an Opportunity for Naloxone Distribution. <i>West J Emerg Med.</i> 2018;19(6):1036-42. Available from: https://doi.org/https://dx.doi.org/10.5811/westjem.2018.8.38829 .	X		
Hajarizadeh B, Cunningham EB, Valerio H, Martinello M, Law M, Janjua NZ, et al. Hepatitis C reinfection after successful antiviral treatment among people who inject drugs: A meta-analysis. <i>J Hepatol.</i> 2020;72(4):643-57. Available from: https://doi.org/https://dx.doi.org/10.1016/j.jhep.2019.11.012 .	X		
Hoch E, Preuss UW, Ferri M, Simon R. Digital Interventions for Problematic Cannabis Users in Non-Clinical Settings: Findings from a Systematic Review and Meta-Analysis. <i>European addiction research.</i> 2016;22(5):233-42. Available from: https://doi.org/https://dx.doi.org/10.1159/000445716 .		X	
Kennedy MC, Karamouzian M, Kerr T. Public Health and Public Order Outcomes Associated with Supervised Drug Consumption Facilities: a Systematic Review. <i>Curr HIV/AIDS Rep.</i> 2017;14(5):161-83. Available from: https://doi.org/https://dx.doi.org/10.1007/s11904-017-0363-y .	X		X
Kerman N, Polillo A, Bardwell G, Gran-Ruaz S, Savage C, Felteau C, et al. Harm reduction outcomes and practices in Housing First: A mixed-methods systematic review. <i>Drug Alcohol Depend.</i> 2021;228:109052. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2021.109052 .		X	X
Levengood TW, Yoon GH, Davoust MJ, Ogden SN, Marshall BDL, Cahill SR, et al. Supervised Injection Facilities as Harm Reduction: A Systematic Review. <i>Am J Prev Med.</i> 2021;61(5):738-49. Available from: https://doi.org/https://dx.doi.org/10.1016/j.amepre.2021.04.017 .	X		X
Maghsoudi N, Tanguay J, Scarfone K, Rammohan I, Ziegler C, Werb D, et al. Drug checking services for people who use drugs: a systematic review. <i>Addiction.</i> 2022;117(3):532-44. Available from: https://doi.org/https://dx.doi.org/10.1111/add.15734 .	X		

Publication	Health care interventions	Social interventions	Mortality outcome
Padmanathan P, Hall K, Moran P, Jones HE, Gunnell D, Carlisle V, et al. Prevention of suicide and reduction of self-harm among people with substance use disorder: A systematic review and meta-analysis of randomised controlled trials. <i>Compr Psychiatry</i> . 2020;96:152135. Available from: https://doi.org/https://dx.doi.org/10.1016/j.comppsy.2019.152135 .	X	X	X
Padmanathan P, Hall K, Moran P, Jones HE, Gunnell D, Carlisle V, et al. Corrigendum to "Prevention of suicide and reduction of self-harm among people with substance use disorder: A systematic review and meta-analysis of randomised controlled trials" [<i>Comprehensive Psychiatry</i> , volume 96 (2020)]. <i>Compr Psychiatry</i> . 2022;119:152296. Available from: https://doi.org/https://dx.doi.org/10.1016/j.comppsy.2022.152296 .	X	X	X
Palmateer N, Hamill V, Bergenstrom A, Bloomfield H, Gordon L, Stone J, et al. Interventions to prevent HIV and Hepatitis C among people who inject drugs: Latest evidence of effectiveness from a systematic review (2011 to 2020). <i>Int J Drug Policy</i> . 2022;109:103872. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2022.103872 .	X		
Penzenstadler L, Soares C, Anci E, Molodynski A, Khazaal Y. Effect of Assertive Community Treatment for Patients with Substance Use Disorder: A Systematic Review. <i>Eur Addict Res</i> . 2019;25(2):56-67. Available from: https://doi.org/10.1159/000496742	X	X	
Platt L, Minozzi S, Reed J, Vickerman P, Hagan H, French C, et al. Needle and syringe programmes and opioid substitution therapy for preventing HCV transmission among people who inject drugs: findings from a Cochrane Review and meta-analysis. <i>Addiction</i> . 2018;113(3):545-63. Available from: https://doi.org/https://dx.doi.org/10.1111/add.14012	X		
Roberts J, Annett H, Hickman M. A systematic review of interventions to increase the uptake of opiate substitution therapy in injecting drug users. <i>J Public Health (Oxf)</i> . 2011;33(3):378-84. Available from: https://doi.org/https://dx.doi.org/10.1093/pubmed/fdq088	X		
Schwarz T, Horvath I, Fenz L, Schmutterer I, Rosian-Schikuta I, Mardh O. Interventions to increase linkage to care and adherence to treatment for hepatitis C among people who inject drugs: A systematic review and practical considerations from an expert panel consultation. <i>Int J Drug Policy</i> . 2022;102:103588. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2022.103588	X	X	
Smart R, Reuter P. Does heroin-assisted treatment reduce crime? A review of randomized-controlled trials. <i>Addiction</i> .	X		

Publication	Health care interventions	Social interventions	Mortality outcome
2022;117(3):518-31. Available from: https://doi.org/https://doi.org/10.1111/add.15601			
Wyse JJ, Morasco BJ, Dougherty J, Edwards B, Kansagara D, Gordon AJ, et al. Adjunct interventions to standard medical management of buprenorphine in outpatient settings: A systematic review of the evidence. Drug and alcohol dependence. 2021;228:108923. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2021.108923	X		

B. Relevanta reviews of reviews, scoping reviews och literature reviews som inkluderats efter fulltextläsning

Publication	Health care interventions	Social interventions	Mortality outcome
Donnell A, Unnithan C, Tyndall J, Hanna F. Digital Interventions to Save Lives From the Opioid Crisis Prior and During the SARS COVID-19 Pandemic: A Scoping Review of Australian and Canadian Experiences. Front. 2022;10:900733. Available from: https://doi.org/https://dx.doi.org/10.3389/fpubh.2022.900733 .	X	X	X
Dunne T, Bishop L, Avery S, Darcy S. A Review of Effective Youth Engagement Strategies for Mental Health and Substance Use Interventions. The Journal of adolescent health : official publication of the Society for Adolescent Medicine. 2017;60(5):487-512. Available from: https://doi.org/https://dx.doi.org/10.1016/j.jadohealth.2016.11.019 .	X		
Fernandes RM, Cary M, Duarte G, Jesus G, Alarcao J, Torre C, et al. Effectiveness of needle and syringe programmes in people who inject drugs – An overview of systematic reviews. BMC Public Health. 2017;17(1):309. Available from: https://doi.org/https://dx.doi.org/10.1186/s12889-017-4210-2 .	X		
Gehring ND, Speed KA, Launier K, O'Brien D, Campbell S, Hyshka E. The state of science on including inhalation within supervised consumption services: A scoping review of academic and grey literature. Int J Drug Policy. 2022;102:103589. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2022.103589 .	X		
Magwood O, Salvalaggio G, Beder M, Kendall C, Kpade V, Daghmach W, et al. The effectiveness of substance use	X		X

Publication	Health care interventions	Social interventions	Mortality outcome
interventions for homeless and vulnerably housed persons: A systematic review of systematic reviews on supervised consumption facilities, managed alcohol programs, and pharmacological agents for opioid use disorder. PLoS ONE. 2020;15(1):e0227298. Available from: https://doi.org/https://dx.doi.org/10.1371/journal.pone.0227298 .			
Stockings E, Hall WD, Lynskey M, Morley KI, Reavley N, Strang J, et al. Prevention, early intervention, harm reduction, and treatment of substance use in young people. Lancet Psychiatry. 2016;3(3):280-96. Available from: https://doi.org/https://dx.doi.org/10.1016/S2215-0366(16)00002-X	X	X	

Bilaga 3 Exkluderade artiklar

Artiklar som exkluderats efter fulltextläsning på grund av bristande relevans

Excluded articles	Reason for exclusion
Systematic reviews	
<p>Abufarsakh B, Kappi A, Pemberton KM, Williams LB, Okoli CTC. Substance use outcomes among individuals with severe mental illnesses receiving assertive community treatment: A systematic review. <i>Int J Ment Health Nurs</i>. 2022. Available from: https://doi.org/10.1111/inm.13103.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Bates G, Van Hout M-C, Teck JTW, McVeigh J. Treatments for people who use anabolic androgenic steroids: A scoping review. <i>Harm Reduction Journal</i>. 2019;16. Available from: https://doi.org/10.1186/s12954-019-0343-1.</p>	Wrong publication type
<p>Belackova V, Salmon AM, Day CA, Ritter A, Shanahan M, Hedrich D, et al. Drug consumption rooms: A systematic review of evaluation methodologies. <i>Drug Alcohol Rev</i>. 2019;38(4):406-22. Available from: https://doi.org/https://dx.doi.org/10.1111/dar.12919.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Borquez A, Rich K, Farrell M, Degenhardt L, McKetin R, Tran LT, et al. Integrating HIV pre-exposure prophylaxis and harm reduction among men who have sex with men and transgender women to address intersecting harms associated with stimulant use: a modelling study. <i>J Int AIDS Soc</i>. 2020;23:e25495. Available from: https://doi.org/https://dx.doi.org/10.1002/jia2.25495.</p>	Wrong publication type
<p>Bouzanis K, Joshi S, Lokker C, Pavagantharajah S, Qiu Y, Sidhu H, et al. Health programmes and services addressing the prevention and management of infectious diseases in people who inject drugs in Canada: a systematic integrative review. <i>BMJ Open</i>. 2021;11(9):e047511. Available from: https://doi.org/https://dx.doi.org/10.1136/bmjopen-2020-047511.</p>	Wrong outcome
<p>Brennan R, Wells JSG, Van Hout MC. The injecting use of image and performance-enhancing drugs (IPED) in the general population: a systematic review. <i>Health Soc Care Community</i>. 2017;25(5):1459-531. Available from: https://doi.org/https://dx.doi.org/10.1111/hsc.12326</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Broz D, Carnes N, Chapin-Bardales J, Des Jarlais DC, Handanagic S, Jones CM, et al. Syringe services programs' role in ending the HIV epidemic in the US: Why we cannot do it without them. <i>American Journal of Preventive Medicine</i>. 2021;61(5):S118-S29. Available from: https://doi.org/10.1016/j.amepre.2021.05.044.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Copenhaver MM, Johnson BT, Lee IC, Harman JJ, Carey MP, Team SR. Behavioral HIV risk reduction among people who inject drugs: meta-analytic evidence of efficacy. <i>J Subst Abuse Treat</i>. 2006;31(2):163-71.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Fergie L, Campbell KA, Coleman-Haynes T, Ussher M, Cooper S, Coleman T. Identifying Effective Behavior Change Techniques for Alcohol and Illicit Substance Use During Pregnancy: A Systematic Review. <i>Ann Behav Med</i>. 2019;53(8):769-81. Available from: https://doi.org/https://dx.doi.org/10.1093/abm/kay085.</p>	Wrong outcome

Excluded articles	Reason for exclusion
<p>Grella CE, Ostlie E, Scott CK, Dennis ML, Carnevale J, Watson DP. A scoping review of factors that influence opioid overdose prevention for justice-involved populations. <i>Subst Abuse Treat Prev Policy</i>. 2021;16(1):19. Available from: https://doi.org/https://dx.doi.org/10.1186/s13011-021-00346-1.</p>	Wrong publication type
<p>Islam MM, Topp L, Day CA, Dawson A, Conigrave KM. The accessibility, acceptability, health impact and cost implications of primary healthcare outlets that target injecting drug users: a narrative synthesis of literature. <i>Int J Drug Policy</i>. 2012;23(2):94-102. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2011.08.005.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Jones L, Pickering L, Sumnall H, McVeigh J, Bellis MA. Optimal provision of needle and syringe programmes for injecting drug users: A systematic review. <i>Int J Drug Policy</i>. 2010;21(5):335-42. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2010.02.001.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Kaczorowski J, Bilodeau J, A MO, Dong K, Daoust R, Kestler A. Emergency Department-initiated Interventions for Patients With Opioid Use Disorder: A Systematic Review. <i>Acad Emerg Med</i>. 2020;27(11):1173-82. Available from: https://doi.org/https://dx.doi.org/10.1111/acem.14054.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Kavanagh DJ, Mueser KT. Current evidence on integrated treatment for serious mental disorder and substance misuse. <i>Tidsskrift for Norsk Psykologforening</i>. 2007;44(5):618-37.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Kourounis G, Richards BD, Kyprianou E, Symeonidou E, Malliori MM, Samartzis L. Opioid substitution therapy: Lowering the treatment thresholds. <i>Drug Alcohol Depend</i>. 2016;161:1-8. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2015.12.021.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Kramlich D, Kronk R. Relational care for perinatal substance use: A systematic review. <i>MCN: The American Journal of Maternal/Child Nursing</i>. 2015;40(5):320-6.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Krawczyk N, Fawole A, Yang J, Tofighi B. Early innovations in opioid use disorder treatment and harm reduction during the COVID-19 pandemic: a scoping review. <i>Addict Sci Clin Pract</i>. 2021;16(1):68. Available from: https://doi.org/https://dx.doi.org/10.1186/s13722-021-00275-1.</p>	Wrong outcome
<p>López G, Orchowski LM, Reddy MK, Nargiso J, Johnson JE. A review of research-supported group treatments for drug use disorders. <i>Substance Abuse Treatment, Prevention, and Policy</i>. 2021;16. Available from: https://doi.org/10.1186/s13011-021-00371-0.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>MacArthur GJ, van Velzen E, Palmateer N, Kimber J, Pharris A, Hope V, et al. Interventions to prevent HIV and Hepatitis C in people who inject drugs: a review of reviews to assess evidence of effectiveness. <i>Int J Drug Policy</i>. 2014;25(1):34-52. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2013.07.001.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Magor-Blatch L, Bhullar N, Thomson B, Thorsteinsson E. A systematic review of studies examining effectiveness of therapeutic</p>	Wrong publication type - search strategy does not fulfil

Excluded articles	Reason for exclusion
<p>communities. Therapeutic Communities. 2014;35(4):168-84. Available from: https://doi.org/10.1108/TC-07-2013-0024.</p>	<p>systematic review requirements</p>
<p>Maina G, Li Y, Fang Y, Amoyaw J, Pandey M, Herzog T, et al. Exploring arts-based interventions for youth substance use prevention: a scoping review of literature. BMC Public Health. 2022;22(1):2281. Available from: https://doi.org/https://dx.doi.org/10.1186/s12889-022-14714-4.</p>	<p>Exclusion reason: Wrong publication type - search strategy does not fulfil systematic review requirements;</p>
<p>Marshall Z, Dechman MK, Minichiello A, Alcock L, Harris GE. Peering into the literature: A systematic review of the roles of people who inject drugs in harm reduction initiatives. Drug Alcohol Depend. 2015;151:1-14. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2015.03.002.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>Martin NK, Boerekamps A, Hill AM, Rijnders BJA. Is hepatitis C virus elimination possible among people living with HIV and what will it take to achieve it? J Int AIDS Soc. 2018;21:e25062. Available from: https://doi.org/https://dx.doi.org/10.1002/jia2.25062.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>McAuley A, Aucott L, Matheson C. Exploring the life-saving potential of naloxone: A systematic review and descriptive meta-analysis of take home naloxone (THN) programmes for opioid users. Int J Drug Policy. 2015;26(12):1183-8. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugpo.2015.09.011.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>McDonald R, Campbell ND, Strang J. Twenty years of take-home naloxone for the prevention of overdose deaths from heroin and other opioids-Conception and maturation. Drug Alcohol Depend. 2017;178:176-87. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2017.05.001.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>Melendez-Torres GJ, Dickson K, Fletcher A, Thomas J, Hinds K, Campbell R, et al. Positive youth development programmes to reduce substance use in young people: Systematic review. International Journal of Drug Policy. 2016;36:95-103. Available from: https://doi.org/10.1016/j.drugpo.2016.01.007.</p>	<p>Wrong population</p>
<p>Mercer F, Miler JA, Pauly B, Carver H, Hnizdilova K, Foster R, et al. Peer Support and Overdose Prevention Responses: A Systematic 'State-of-the-Art' Review. Int J Environ Res Public Health. 2021;18(22):17. Available from: https://doi.org/https://dx.doi.org/10.3390/ijerph182212073</p>	<p>Wrong publication type</p>
<p>Miller NM, Waterhouse-Bradley B, Campbell C, Shorter GW. How do naloxone-based interventions work to reduce overdose deaths: a realist review. Harm Reduct J. 2022;19(1):18. Available from: https://doi.org/https://dx.doi.org/10.1186/s12954-022-00599-4.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>Mitchell KD, Higgins LJ. Combating Opioid Overdose With Public Access to Naloxone. J Addict Nurs. 2016;27(3):160-79. Available from: https://doi.org/https://dx.doi.org/10.1097/JAN.000000000000132.</p>	<p>Exclusion reason: Wrong publication type - search strategy does not fulfil systematic review requirements;</p>
<p>Palmateer N, Kimber J, Hickman M, Hutchinson S, Rhodes T, Goldberg D. Evidence for the effectiveness of sterile injecting equipment provision in preventing hepatitis C and human immunodeficiency virus transmission among injecting drug users: A review of reviews. Addiction. 2010;105(5):844-59. Available from: https://doi.org/10.1111/j.1360-0443.2009.02888.x.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>

Excluded articles	Reason for exclusion
<p>Perski O, Hebert ET, Naughton F, Hekler EB, Brown J, Businelle MS. Technology-mediated just-in-time adaptive interventions (JITAs) to reduce harmful substance use: a systematic review. <i>Addiction</i>. 2022;117(5):1220-41. Available from: https://doi.org/https://dx.doi.org/10.1111/add.15687.</p>	Wrong population
<p>Pradhan AM, Park L, Shaya FT, Finkelstein J. Consumer health information technology in the prevention of substance abuse: Scoping review. <i>Journal of Medical Internet Research</i>. 2019;21(1). Available from: https://doi.org/10.2196/11297.</p>	Wrong population
<p>Raffi ER, Gray J, Conteh N, Kane M, Cohen LS, Schiff DM. Low barrier perinatal psychiatric care for patients with substance use disorder: Meeting patients across the perinatal continuum where they are. <i>International Review of Psychiatry</i>. 2021;33(6):543-52. Available from: https://doi.org/10.1080/09540261.2021.1898351.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Rawal S, Osae SP, Cobran EK, Albert A, Young HN. Pharmacists' naloxone services beyond community pharmacy settings: A systematic review. <i>Res Social Adm Pharm</i>. 2023;19(2):243-65. Available from: https://doi.org/https://dx.doi.org/10.1016/j.sapharm.2022.09.002.</p>	Wrong population
<p>Resiak D, Mpofu E, Athanasou J. Drug treatment policy in the criminal justice system: A scoping literature review. <i>American Journal of Criminal Justice</i>. 2016;41(1):3-13. Available from: https://doi.org/10.1007/s12103-015-9329-z.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Ritter A, Cameron J. A review of the efficacy and effectiveness of harm reduction strategies for alcohol, tobacco and illicit drugs. <i>Drug and Alcohol Review</i>. 2006;25(6):611-24. Available from: https://doi.org/10.1080/09595230600944529.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Saberi Zafarghandi MB, Eshрати S, Rashedi V, Vameghi M, Arezoomandan R, Clausen T, et al. Indicators of Drug-Related Community Impacts of Open Drug Scenes: A Scoping Review. <i>Eur Addict Res</i>. 2022;28(2):87-102. Available from: https://doi.org/https://dx.doi.org/10.1159/000519886.</p>	Wrong intervention
<p>Smart R, Pardo B, Davis CS. Systematic review of the emerging literature on the effectiveness of naloxone access laws in the United States. <i>Addiction</i>. 2021;116(1):6-17. Available from: https://doi.org/https://dx.doi.org/10.1111/add.15163.</p>	Wrong intervention
<p>Swogger MT, Walsh Z. Kratom use and mental health: A systematic review. <i>Drug Alcohol Depend</i>. 2018;183:134-40. Available from: https://doi.org/https://dx.doi.org/10.1016/j.drugalcdep.2017.10.012.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Turner KM, Hutchinson S, Vickerman P, Hope V, Craine N, Palmateer N, et al. The impact of needle and syringe provision and opiate substitution therapy on the incidence of hepatitis C virus in injecting drug users: pooling of UK evidence. <i>Addiction</i>. 2011;106(11):1978-88. Available from: https://doi.org/https://dx.doi.org/10.1111/j.1360-0443.2011.03515.x.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements
<p>Van den Brink W, Haasen C. Evidenced-based treatment of opioid-dependent patients. <i>Can J Psychiatry</i>. 2006;51(10):635-46.</p>	Wrong publication type - search strategy does not fulfil systematic review requirements

Excluded articles	Reason for exclusion
<p>Vyas MB, LeBaron VT, Gilson AM. The use of cannabis in response to the opioid crisis: A review of the literature. <i>Nurs Outlook</i>. 2018;66(1):56-65. Available from: https://doi.org/https://dx.doi.org/10.1016/j.outlook.2017.08.012.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>Watson DP, Shuman V, Kowalsky J, Golembiewski E, Brown M. Housing First and harm reduction: A rapid review and document analysis of the US and Canadian open-access literature. <i>Harm Reduction Journal</i>. 2017;14. Available from: https://doi.org/10.1186/s12954-017-0158-x.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirement;</p>
<p>Wilkinson R, Hines L, Holland A, Mandal S, Phipps E. Rapid evidence review of harm reduction interventions and messaging for people who inject drugs during pandemic events: implications for the ongoing COVID-19 response. <i>Harm Reduct J</i>. 2020;17(1):95. Available from: https://doi.org/https://dx.doi.org/10.1186/s12954-020-00445-5.</p>	<p>Wrong publication type</p>
<p>Wodak A, Cooney A. Do needle syringe programs reduce HIV infection among injecting drug users: a comprehensive review of the international evidence. <i>Subst Use Misuse</i>. 2006;41(6):777-813.</p>	<p>Wrong publication type - search strategy does not fulfil systematic review requirements</p>
<p>Åström T, Bergström M, Håkansson K, Jonsson AK, Munthe C, Wirtberg I, et al. Treatment Foster Care Oregon for Delinquent Adolescents: A Systematic Review and Meta-Analysis. <i>Research on Social Work Practice</i>. 2020;30(4):355-67. Available from: https://doi.org/10.1177/1049731519890394.</p>	<p>Wrong population</p>

Bilaga 4 Lästips

Artiklar¹ som kan vara av intresse trots att de inte uppfyllde alla inklusionskriterier

Publication

En översikt av Kourounis och medarbetare från år 2016 syftade till att summera och definiera "treatment thresholds" inom "opioid substitution therapy", samt beskriva hur dessa trösklar relaterar till behandlingsutfall.

Marshall och medarbetare undersökte i en översikt från år 2015 vilken roll personer med egen erfarenhet av att injicera narkotika kan ha i skadereducerande insatser.

Även Mercer och medarbetare undersökte i en översikt från år 2021 kamratstöd från personer med egen erfarenhet av narkotikaanvändning inom ramen för interventioner för överdosprevention. Dödlighet ingick bland utfallen i de inkluderade studierna.

En scoping review av Krawczyk och medarbetare från år 2021 beskrev nya och anpassade behandlingar och skadereducerande insatser till personer med opioidberoende som aktualiserades under covid-19-pandemin.

I en integrative review från år 2021 undersökte Bouzanis och medarbetare program och insatser i Kanada som syftade till prevention och hantering av infektionssjukdomar bland personer som injicerar droger. Dödlighet ingick bland utfallen i de inkluderade studierna.

Smart och medarbetare undersökte i en översikt från år 2021 vilken effekt amerikanska lagar om tillgång till naloxon haft gällande bland annat överdosdödlighet.

McAuley och medarbetare undersökte i en översikt från år 2015 effekten av att träna kamrater att ge naloxon. Dödlighet ingick bland utfallen i de inkluderade studierna.

I en översikt från år 2016 undersökte Melendez-Torres och medarbetare promotions- och preventionsinsatser gällande rökning, alkohol, droganvändning och våld för ungdomar i åldrarna 11 till 18 år utan kända problemtillstånd.

Watson och medarbetare undersökte i en rapid review och dokumentanalys från år 2017 hur housing first-modellen beskrivs i amerikansk och kanadensisk forskning, med fokus på om modellen omnämns i relation till harm reduction.

¹ Full referens finns i Bilaga 3 Exkluderade artiklar