

## Self-harm: assessment, management and preventing recurrence

[O] Evidence review for safer prescribing

*NICE guideline number NG225*

*Evidence reviews underpinning recommendations 1.13.1 to  
1.13.5 in the NICE guideline  
September 2022*

*Final*



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## Contents

<b>Safer prescribing</b> .....	<b>6</b>
Review question .....	6
Introduction .....	6
Summary of the protocol .....	6
Methods and process .....	8
Effectiveness evidence.....	8
Summary of included studies.....	9
Summary of the evidence.....	9
Economic evidence .....	9
Economic model.....	9
Evidence statements .....	9
The committee’s discussion and interpretation of the evidence .....	9
Recommendations supported by this evidence review .....	12
References – included studies.....	12
<b>Appendices</b> .....	<b>13</b>
<b>Appendix A     Review protocols</b> .....	<b>13</b>
Review protocol for review question: What are the key principles of safer prescribing for people who have self-harmed?.....	13
<b>Appendix B     Literature search strategies</b> .....	<b>18</b>
Literature search strategies for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	18
<b>Appendix C     Effectiveness evidence study selection</b> .....	<b>56</b>
Study selection for review question: What are the key principles of safer prescribing for people who have self-harmed?.....	56
<b>Appendix D     Evidence tables</b> .....	<b>57</b>
Evidence tables for review question: What are the key principles of safer prescribing for people who have self-harmed?.....	57
<b>Appendix E     Forest plots</b> .....	<b>58</b>
Forest plots for review question: What are the key principles of safer prescribing for people who have self-harmed?.....	58
<b>Appendix F     Modified GRADE tables</b> .....	<b>59</b>
Modified GRADE tables for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	59
<b>Appendix G     Economic evidence study selection</b> .....	<b>60</b>
Study selection for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	60
<b>Appendix H     Economic evidence tables</b> .....	<b>61</b>
Economic evidence tables for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	61
<b>Appendix I     Economic model</b> .....	<b>62</b>
Economic model for review question: What are the key principles of safer	

	prescribing for people who have self-harmed? .....	62
<b>Appendix J</b>	<b>Excluded studies .....</b>	<b>63</b>
	Excluded studies for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	63
<b>Appendix K</b>	<b>Research recommendations – full details .....</b>	<b>69</b>
	Research recommendations for review question: What are the key principles of safer prescribing for people who have self-harmed? .....	69

# Safer prescribing

## Review question

What are the key principles of safer prescribing for people who have self-harmed?

## Introduction

According to the National Confidential Inquiry into Suicide and Homicide by People with Mental Illness 2015, self-harm by self-poisoning is the second most common method of self-harm. Some medications, such as opioids and tricyclic anti-depressants, in overdose can be fatal. Many people who have harmed themselves will have been prescribed medications for physical and/ or mental health-related problems, or will have access to the medications of others close to them. As a result, there is the potential for people who have self-harmed using other methods to self-poison in the future if they have access to medications that are harmful in overdose. It is therefore imperative to review the evidence on what constitutes safe prescribing to reduce rates of self-poisoning from any medication that could potentially cause harm through overdose. The aim of this review is to identify the key principles of safer prescribing for people who have self-harmed using any method.

## Summary of the protocol

See Table 1 for a summary of the Population, Intervention, Comparison and Outcome (PICO) characteristics of this review.

**Table 1: Summary of the protocol (PICO table)**

<b>Population</b>	<p><b>Inclusion:</b> All people who have self-harmed, including those with a mental health problem, neurodevelopmental disorder or a learning disability.</p> <p><b>Exclusion:</b> People displaying repetitive stereotypical self-injurious behaviour, for example head-banging in people with a significant learning disability</p>
<b>Intervention</b>	<p>Any specific approach to safer prescribing for people who have self-harmed (enhanced safer prescribing), for example, choosing safer medications (that is, those with a lower toxicity index), or limiting the prescription size to reduce availability</p>

<b>Comparison</b>	Treatment as usual employing the standard level of safer prescribing for people who have self-harmed (that is, taking into account the characteristics of the person for whom the prescription is for)
<b>Outcome</b>	<b>Critical</b> <ul style="list-style-type: none"><li>• Self-harm repetition (for example, self-poisoning or self-cutting)</li><li>• Suicide</li><li>• Adverse event of prescribed drug</li></ul> <b>Important</b> <ul style="list-style-type: none"><li>• Quality of life</li><li>• Service user satisfaction</li><li>• Concordance/adherence/compliance with drugs as prescribed</li><li>• Financial impact</li></ul>

For further details see the review protocol in appendix A.

## Methods and process

A modified version of the GRADE approach to rate the certainty of evidence in systematic reviews was used as part of a pilot project undertaken by NICE. Instead of using predefined clinical decision/minimal important difference (MID) thresholds to assess imprecision in GRADE tables, imprecision was assessed qualitatively during committee discussions. Other than this modification, GRADE was used to assess the quality of evidence for the selected outcomes and this evidence review was developed using the methods and process described in [Developing NICE guidelines: the manual](#). Methods specific to this review question are described in the review protocol in appendix A and the methods document (supplementary document 1).

Declarations of interest were recorded according to [NICE's conflicts of interest policy](#).

## Effectiveness evidence

### Included studies

A systematic review of the literature was conducted but no studies were identified which were applicable to this review question.

See the literature search strategy in appendix B and study selection flow chart in appendix C.



## **Excluded studies**

Studies not included in this review are listed, and reasons for their exclusion are provided in appendix J.

## **Summary of included studies**

No studies were identified which were applicable to this review question (and so there are no evidence tables in Appendix D).

## **Summary of the evidence**

No studies were identified which were applicable to this review question (and so there are no GRADE tables in Appendix F).

## **Economic evidence**

### **Included studies**

A single economic search was undertaken for all topics included in the scope of this guideline but no economic studies were identified which were applicable to this review question. See the literature search strategy in appendix B and economic study selection flow chart in appendix G.

### **Excluded studies**

Economic studies not included in the guideline economic literature review are listed, and reasons for their exclusion are provided in appendix J.

### **Economic model**

No economic modelling was undertaken for this review because the committee agreed that other topics were higher priorities for economic evaluation.

## **Evidence statements**

### **Economic**

No economic studies were identified which were applicable to this review question.

## **The committee's discussion and interpretation of the evidence**

### **The outcomes that matter most**

Self-harm repetition, suicide and adverse events relating to prescribed drugs were prioritised as critical outcomes by the committee. Self-harm repetition and suicide were prioritised as critical outcomes because they are direct measures of any differential effectiveness associated with the interventions and capture both fatal and non-fatal self-harm. Occurrence of adverse events of prescribed drugs (such as self-poisoning or overdose, accidental or intentional) was chosen as a critical outcomes as it is associated with inappropriate prescribing practices and may capture differential effectiveness associated with the intervention not captured by repeat self-harm and survival.

The committee agreed that quality of life, service user satisfaction, concordance/ adherence/ compliance and financial impact were important outcomes. Quality of life was chosen as an

important outcome as this is a global measure of well-being and may capture aspects of effectiveness of the interventions not captured by any of the other outcome measures. The committee recognised that some prescribing practices may be associated with a higher financial burden than others due to the potential for more frequent prescription charges, and service user satisfaction and financial impact were therefore chosen as important outcomes as both may influence whether the patient adheres to the prescription as recommended. Concordance/ adherence/ compliance was chosen as an important outcome which can directly capture whether the patient adhered to the prescription as recommended as it is also an indicator of the acceptability and success of the intervention.

### **The quality of the evidence**

No studies were identified that met the inclusion criteria so the committee based the recommendations on their own knowledge and experience.

Despite the lack of evidence, the committee decided not to prioritise this topic for research recommendations because the general issue of the relative toxicity of drugs and their potential use for self-harm or suicide is not specific to people who have self-harmed, but is a wider issue for people receiving both mental and physical healthcare. Therefore, the population for any study on safe prescribing should not realistically be contained to people who have self-harmed. Additionally, the committee agreed that any new evidence would be unlikely to change recommendations, which were based on the committee's knowledge and experience of current best practice.

### **Benefits and harms**

The committee agreed that when prescribing medication to people following an episode of self-harm using any method, it is important to take into account the toxicity of the prescribed medications, particularly for people who have self-poisoned. Based on their knowledge and experience, the committee highlighted the particular risk of opiate-containing painkillers and tricyclic antidepressants with regards to fatal overdoses, but agreed there were a number of medications which could cause significant harm through overdose. It is also important to assess the person's drug and alcohol consumption because concurrent use can increase the toxicity associated with some medications. The committee agreed the prescriber should also take into account the person's wider access to medications when prescribing to reduce rates of self-poisoning. This decision was based on their knowledge that people can self-poison using medications bought online, prescribed for unrelated conditions, or prescribed to people who they live with or are close to. The committee discussed the ethics and feasibility of obtaining information about the person's wider access to medication and agreed that it should be discussed with the person or assessed through medical records. Based on their experience that communication can sometimes be lacking between professionals when multiple prescribers are involved in a person's care, the committee agreed that effective communication between prescribers is important to ensure all relevant professionals are kept up-to-date regarding any prescribing decisions made. The committee also referred to NICE's existing guidance on [Preventing suicide in community and custodial settings \(NG105\)](#) when making these recommendations.

The committee identified that a key component of safer prescribing was limiting the quantity of medications prescribed to people with a history of self-harm. The committee discussed the importance of shared decision-making when deciding on the quantity of medications to prescribe as this may have financial implications for the person, which affect adherence and service user satisfaction, and they referred to the NICE guidance on [Shared decision making \(NG197\)](#). The committee agreed that the prescriber should find an appropriate solution that prioritised the person's safety while promoting adherence to medication, and that the prescriber should encourage the person to return any unwanted medicines for safe disposal.

The committee agreed, based on their experience, that this would reduce rates of self-poisoning.

The committee agreed that all existing and any new medications prescribed should be reviewed following an episode of self-harm and any repeat episodes. The committee discussed that this was important to ensure that any new prescriptions took into account toxicity associated with concurrent use of medicines, as they may not have specialist knowledge on the pharmacokinetic properties of medicines. If necessary, prescribers should contact a local medicines information centre through the UK Medicines Information service. The committee also referred to the NICE guidance on [Medicines optimisation \(NG5\)](#) and the [STOMP-STAMP principles](#) for information regarding prescribing for people with learning disabilities, autism, or both.

The committee highlighted that the role of community pharmacy staff in relation to self-harm was identifying people who may be purchasing medication with the intent of self-poisoning, and using their position as community-placed healthcare staff to discuss intent with people who might self-harm. They agreed based on experience that this was usually indicated when people were in acute distress or purchasing large quantities of medicines over the counter, and that pharmacy staff should be aware of these warning signs so they can respond appropriately. The committee agreed that such a response should include consultations and medicines reviews whereby pharmacy staff can discuss self-harm with people as appropriate and enact safe prescribing principles, such as using shared decision-making to limit the quantity of medicines supplied to the person. Consultations would also give staff the opportunity to provide support to people who they might already have an established relationship with, especially pharmacists who work in the community and regularly interact with the same people. The committee pointed out that other healthcare professionals, including GPs, should also use consultations and medicines reviews as an opportunity to assess how self-harm may interact with substances that could be taken in overdose, particularly when prescribing new medications. The committee discussed the harms and benefits of this approach, and agreed that while this may have the inadvertent outcome of some people being inaccurately identified as intending to self-harm, the benefits of correctly identifying when an individual is intending to self-harm and responding appropriately include the prevention of self-poisoning or overdose.

Despite the lack of evidence, the committee did not choose to make any research recommendations for safer prescribing. The committee agreed that existing NICE guidelines on safe prescribing are relevant for people who self-harm and there is no need to make recommendations specifically for people who self-harm further to those made in this guideline.

### **Cost effectiveness and resource use**

The committee noted that no relevant published economic evaluations had been identified and no additional economic analysis had been undertaken in this area. They drafted recommendations aimed to promote changes in service delivery and to reduce variation across the NHS in delivering safe prescribing for people who have self-harmed. The committee based such recommendations on the evidence and on existing NICE guidance. They expressed the view that for prescribers, these recommendations may mean that they review current prescriptions more routinely after an episode of self-harm with respect to the person's risks of toxicity from overdose. For primary healthcare professionals, these recommendations may increase communication with healthcare professionals from other settings, such as specialist mental health centres and specialist pharmacies when prescribing and reviewing medications. Improved communication between healthcare professionals should limit variations in prescribing practices and improve continuity of care. The committee expressed the opinion that potential changes in current practice should not result in a significant resource impact.

The committee expressed the view that any resource implications associated with medicine reviews following an episode of self-harm would ensure the person's safety and would therefore be outweighed by benefits.

### **Recommendations supported by this evidence review**

This evidence review supports recommendations 1.13.1-1.13.5.

## **References – included studies**

### **Effectiveness**

No studies were identified that met the inclusion criteria.

### **Economic**

No studies were identified that met the inclusion criteria.

# Appendices

## Appendix A Review protocols

Review protocol for review question: What are the key principles of safer prescribing for people who have self-harmed?

**Table 2: Review protocol**

Field	Content
PROSPERO registration number	CRD42021230653
Review title	Safer prescribing for people who have self-harmed
Review question	What are the key principles of safer prescribing for people who have self-harmed?
Objective	To identify the effectiveness of harm minimisation strategies for people who have self-harmed.
Searches	<p>The following databases will be searched:</p> <ul style="list-style-type: none"> <li>• Cochrane Central Register of Controlled Trials (CENTRAL)</li> <li>• Cochrane Database of Systematic Reviews (CDSR)</li> <li>• Database of Reviews of Abstracts of Effectiveness (DARE)</li> <li>• Embase</li> <li>• MEDLINE and MEDLINE In-Process</li> <li>• PsycINFO</li> </ul> <p>Searches will be restricted by:</p> <ul style="list-style-type: none"> <li>• English language</li> <li>• Human studies</li> <li>• Date: 2000 onwards as harm minimisation strategies were not used in practice before then.</li> </ul> <p>Other searches:</p> <ul style="list-style-type: none"> <li>• Included studies of relevant systematic reviews</li> </ul> <p>The full search strategies for MEDLINE database will be published in the final review.</p>
Condition or domain being studied	<p>All people who have self-harmed, including those with a mental health problem, neurodevelopmental disorder or a learning disability</p> <p>'Self-harm' is defined as intentional self-poisoning or injury irrespective of the apparent purpose of the act. This does not include repetitive stereotypical self-injurious behaviour, for example head-banging in people with a significant learning disability</p>
Population	<p>Inclusion:</p> <ul style="list-style-type: none"> <li>• All people who have self-harmed, including those with a mental health problem, neurodevelopmental disorder or a learning disability</li> </ul>

Field	Content
	<p>Exclusion:</p> <ul style="list-style-type: none"> <li>• People displaying repetitive stereotypical self-injurious behaviour, for example head-banging in people with a significant learning disability</li> </ul>
Intervention	Any specific approach to safer prescribing for people who have self-harmed (enhanced safer prescribing), e.g., choosing safer medications (that is, those with a lower toxicity index), or limiting the prescription size to reduce availability
Comparator/Reference standard/Confounding factors	Treatment as usual employing the standard level of safer prescribing for people who have self-harmed (i.e., taking into account the characteristics of the person for whom the prescription is for)
Types of study to be included	<ul style="list-style-type: none"> <li>• Systematic review of randomised controlled trials (RCTs) or non-randomised comparative prospective and retrospective cohort studies</li> <li>• RCTs</li> <li>• Non-randomised comparative prospective cohort studies with N≥100 per treatment arm</li> <li>• Non-randomised comparative retrospective cohort studies with N≥100 per treatment arm</li> </ul> <p>Conference abstracts will not be included.</p> <p>Non-randomised studies should adjust for the following covariates in their analysis when there are differences between groups at baseline: age, gender, previous self-harm, comorbidities (e.g. alcohol and drug misuse, psychiatric illness, physical illness), and current psychiatric treatment. Studies will be downgraded for risk of bias if important covariates are not adequately adjusted for, but will not be excluded for this reason.</p>
Other exclusion criteria	<p>Studies will not be included for the following reasons:</p> <ul style="list-style-type: none"> <li>• Language: Non-English</li> <li>• Publication status: Abstract only</li> </ul> <p>Studies published in languages other than English will not be considered due to time and resource constraints with translation.</p>
Context	<p>Settings:</p> <p>Inclusion:</p> <ul style="list-style-type: none"> <li>• Primary, secondary and tertiary healthcare settings (including pre-hospital care, accident and emergency departments, community pharmacies, inpatient care, and transitions between departments and services)</li> <li>• Home, residential and community settings, such as supported accommodation</li> <li>• Supported care settings</li> <li>• Education and childcare settings</li> <li>• Criminal justice system</li> <li>• Immigration removal centres.</li> </ul>
Primary outcomes (critical outcomes)	<p>Critical:</p> <ul style="list-style-type: none"> <li>• Self-harm repetition (for example, self-poisoning or self-cutting)</li> <li>• Suicide</li> <li>• Adverse event of prescribed drug</li> </ul>
Secondary outcomes	Important:

Field	Content
(important outcomes)	<ul style="list-style-type: none"> <li>• Quality of life</li> <li>• Service user satisfaction</li> <li>• Concordance/adherence/compliance</li> <li>• Financial impact</li> </ul>
Data extraction (selection and coding)	<p>All references identified by the searches and from other sources will be uploaded into EPPI and de-duplicated.</p> <p>Titles and abstracts of the retrieved citations will be screened to identify studies that potentially meet the inclusion criteria outlined in the review protocol.</p> <p>Dual sifting will be performed on 10% of records; 90% agreement is required. Disagreements will be resolved via discussion between the two reviewers, and consultation with senior staff if necessary.</p> <p>Full versions of the selected studies will be obtained for assessment. Studies that fail to meet the inclusion criteria once the full version has been checked will be excluded at this stage. Each study excluded after checking the full version will be listed, along with the reason for its exclusion.</p> <p>A standardised form will be used to extract data from studies. The following data will be extracted: study details (reference, country where study was carried out, type and dates), participant characteristics, inclusion and exclusion criteria, details of the interventions, setting and follow-up, relevant outcome data, risk of bias and source of funding. One reviewer will extract relevant data into a standardised form, and this will be quality assessed by a senior reviewer.</p>
Risk of bias (quality) assessment	<p>Quality assessment of individual studies will be performed using the following checklists:</p> <ul style="list-style-type: none"> <li>• ROBIS tool for systematic reviews</li> <li>• Cochrane RoB tool v.2 for RCTs and quasi-RCTs</li> <li>• Cochrane ROBINS-I tool for non-randomised (clinical) controlled trials and cohort studies</li> </ul> <p>The quality assessment will be performed by one reviewer and this will be quality assessed by a senior reviewer.</p>
Strategy for data synthesis	<p>Quantitative findings will be formally summarised in the review. Where multiple studies report on the same outcome for the same comparison, meta-analyses will be conducted using Cochrane Review Manager software. A fixed effect meta-analysis will be conducted and data will be presented as risk ratios if possible or odds ratios when required (for example if only available in this form in included studies) for dichotomous outcomes, and mean differences or standardised mean differences for continuous outcomes. Heterogeneity in the effect estimates of the individual studies will be assessed using the I<sup>2</sup> statistic. I<sup>2</sup> values of greater than 50% and 80% will be considered as significant and very significant heterogeneity, respectively. Heterogeneity will be explored as appropriate using sensitivity analyses and subgroup analyses based on identified covariates if they have not been adjusted for. If heterogeneity cannot be explained through subgroup analysis then a random effects model will be used for meta-analysis, or the data will not be pooled if the random effects model does not adequately address heterogeneity.</p> <p>The confidence in the findings across all available evidence will be evaluated for each outcome using an adaptation of the 'Grading of Recommendations Assessment, Development and Evaluation (GRADE) toolbox' developed by the international GRADE working group: <a href="http://www.gradeworkinggroup.org/">http://www.gradeworkinggroup.org/</a></p>
Analysis of sub-groups	<p>Evidence (if data allows) will be stratified by:</p> <ul style="list-style-type: none"> <li>• Age group: ≥65 years, 18-64 years, 16-17 years, &lt;16</li> <li>• Gender: Male, female</li> </ul>
Type and method of review	Intervention
Language	English

Field	Content																					
Country	England																					
Anticipated or actual start date	14/01/2021																					
Anticipated completion date	26/01/2022																					
Stage of review at time of this submission	<table border="1"> <thead> <tr> <th>Review stage</th> <th>Started</th> <th>Completed</th> </tr> </thead> <tbody> <tr> <td>Preliminary searches</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Piloting of the study selection process</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Formal screening of search results against eligibility criteria</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Data extraction</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Risk of bias (quality) assessment</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Data analysis</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	Review stage	Started	Completed	Preliminary searches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Piloting of the study selection process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Formal screening of search results against eligibility criteria	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Data extraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Risk of bias (quality) assessment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Data analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Risk of bias (quality) assessment	<input type="checkbox"/>	<input checked="" type="checkbox"/>																				
Data analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>																				
Named contact	<p>5a. Named contact: National Guideline Alliance</p> <p>5b Named contact e-mail: selfharm@nice.org.uk</p> <p>5e Organisational affiliation of the review: National Institute for Health and Care Excellence (NICE) and National Guideline Alliance</p>																					
Review team members	National Guideline Alliance																					
Funding sources/sponsor	This systematic review is being completed by the National Guideline Alliance which receives funding from NICE.																					
Conflicts of interest	All guideline committee members and anyone who has direct input into NICE guidelines (including the evidence review team and expert witnesses) must declare any potential conflicts of interest in line with NICE's code of practice for declaring and dealing with conflicts of interest. Any relevant interests, or changes to interests, will also be declared publicly at the start of each guideline committee meeting. Before each meeting, any potential conflicts of interest will be considered by the guideline committee Chair and a senior member of the development team. Any decisions to exclude a person from all or part of a meeting will be documented. Any changes to a member's declaration of interests will be recorded in the minutes of the meeting. Declarations of interests will be published with the final guideline.																					
Collaborators	Development of this systematic review will be overseen by an advisory committee who will use the review to inform the development of evidence-based																					



Field	Content
	recommendations in line with section 3 of Developing NICE guidelines: the manual. Members of the guideline committee are available on the NICE website: <a href="https://www.nice.org.uk/guidance/indevelopment/gid-ng10148">https://www.nice.org.uk/guidance/indevelopment/gid-ng10148</a> .
Other registration details	None
URL for published protocol	<a href="https://www.crd.york.ac.uk/prospero/display_record.php?RecordID=230653">https://www.crd.york.ac.uk/prospero/display_record.php?RecordID=230653</a>
Dissemination plans	NICE may use a range of different methods to raise awareness of the guideline. These include standard approaches such as: notifying registered stakeholders of publication publicising the guideline through NICE's newsletter and alerts issuing a press release or briefing as appropriate, posting news articles on the NICE website, using social media channels, and publicising the guideline within NICE.
Keywords	Self-harm, assessment, management, prevention, first contact, health care
Details of existing review of same topic by same authors	None
Current review status	Ongoing
Additional information	Not applicable
Details of final publication	<a href="http://www.nice.org.uk">www.nice.org.uk</a>

*CDSR: Cochrane Database of Systematic Reviews; CENTRAL: Cochrane Central Register of Controlled Trials; GRADE: Grading of Recommendations Assessment, Development and Evaluation; NGA: National Guideline Alliance; NICE: National Institute for Health and Care Excellence; RCT(s): randomised controlled trial(s); RevMan: review manager; RoB: risk of bias; ROBINS-I: Risk Of Bias In Non-randomized Studies - of Interventions*

## Appendix B Literature search strategies

**Literature search strategies for review question: What are the key principles of safer prescribing for people who have self-harmed?**

### Clinical

**Database(s): MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily – OVID interface**

Date of last search: 8<sup>th</sup> January 2021

#	searches
1	self mutilation/ or self-injurious behavior/ or suicidal ideation/ or suicide, attempted/ or suicide, completed/ or suicide/
2	(self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*).tw.
3	or/1-2
4	1 and (to and pc).fs.
5	drug prescriptions/
6	inappropriate prescribing/ or *medication adherence/ or medication errors/pc or medication therapy management/
7	exp *antidepressive agents/ad or exp *analgesics, opioid/ad or exp *antipsychotic agents/ad or exp *benzodiazepines/ or exp *opiate alkaloids/ad or *opioid-related disorders/ad
8	exp antidepressive agents/ad, po, ae, sd, to or exp analgesics, opioid/ad, po, ae, sd, to or exp antipsychotic agents/ad, po, ae, sd, to or exp benzodiazepines/ad, po, ae, sd, to or exp opiate alkaloids/ad, po, ae, sd, to or opioid-related disorders/ad, po, ae, sd, to
9	self mutilation/pc or self-injurious behavior/pc or suicidal ideation/pc or suicide, attempted/pc or suicide, completed/pc or suicide/pc
10	8 and 9
11	(exp antidepressive agents/ or exp analgesics, opioid/ or exp antipsychotic agents/ or exp benzodiazepines/ or exp opiate alkaloids/ or opioid related disorders/pc or (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*)) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*)) or paracetamol or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or sssri or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or

#	searches
	fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole).hw.) and (clinical competence or patient safety or poisoning or practice guideline* or practice patterns, physicians or risk reduction behavior).sh.
12	or/4-7,10-11
13	prescri*.ti.
14	prescri*.ab.
15	"prevention and control"/ or prevention/ or risk reduction/
16	pc.fs.
17	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*)).ti,ab.
18	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (death* or lethality* or mortalit* or poison* or toxic* or ((side or adverse) adj2 effect*) or self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*)).ti,ab.
19	14 and (or/15-18)
20	(follow up* and (call* or phone* or skype or teleconf* or telephone* or video*) and (dispens* or pharmac* or prescri*)).hw.
21	((followup* or follow up*) adj5 (pharmac* or prescri*)) or ((dispens* or pharmac* or

#	searches
	prescri*) adj5 (call* or phone* or teleconf* or telephone* or video*) adj5 (drug* or medicat* or medicine*))).ti,ab.
22	((careful or enhance* or safe*) adj2 (dispens* or prescri*)) or selective prescribing).ti,ab.
23	stewardship.ti,ab.
24	do not* do recommendation.ti,ab.
25	((dispens* or prescri*) adj5 risk* adj5 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*))).ti,ab.
26	((dispens* or prescri*) adj3 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj3 toxic*) or ((limit* or low* or minimi* or reduc* or small*) adj2 toxicity index)).ti,ab.
27	((dispens* or dose* or dosage* or initiation or prescri* or (combination* or concomitant*)) adj4 (monitor* or supervi*) adj4 (pharmacist* or prescriber* or specialist*)) or (supervi* adj3 (combination* or concomitant*) adj2 (drug* or medication* or medicine*))).ti,ab.
28	((dispens* or prescri*) adj3 (high* or low* or minimi*) adj2 risk*) or ((limit* or low* or minimi* or reduc* or small*) adj3 risk* adj3 (dispens* or prescri*))).ti,ab.
29	((limit* or low* or minimi* or reduc* or small* or taper*) adj2 (dose* or dosage* or prescri*)) or ((limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or quantit* or size* or volum*) adj3 (dose* or drug* or medication* or medicine* or prescri*)) or (prescri* adj3 (limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or quantit* or size* or volum*))).ti,ab.
30	((begin or initiat* or start*) adj2 (limit* or low* or minimi* or reduc* or small*)) or (short* adj2 duration)) adj2 ((dispens* adj2 medic*) or dose*1 or dosage* or prescri*))).ti,ab.
31	((pack* or prescr*) adj3 (quantit* or size)) or (blister adj3 pack*) or ("2" or "14 day" or two) adj week* adj2 (pack* or suppl*) or (prescri* adj2 (half or single) adj2 (dose or dosage)) or (prescri* adj2 alternative*) or ((safe* or single dos* or split or split dos* or starter) adj2 pack*))).ti,ab.
32	((patient* or self harmer* or ((patient or people) adj2 (selfharm* or self harm* or suicid*))) adj3 (educat* or information*) adj7 ((dispens* adj2 medic*) or dose or dosage* or medicine* or medication* or prescri*))).ti,ab.
33	((educat* or information*) adj3 ((dispens* adj2 medic*) or dose or dosage* or prescri*))).ti,ab.
34	((educat* adj3 prescri*) or ((information or educat*) adj5 fatal toxicity index)).ti,ab.
35	((education* or information*) adj3 (assist* or help*) adj3 (pharmacist* or prescriber*))).ti,ab.
36	(patch or patches or ((long* or modified or slow* or fast*) adj2 (acting or releas* or titrat*))).ti,ab.
37	((adher* or appropriate or compli* or concurrent* or dexter* or excessive or inadequate or inappropriat* or incorrect* or in-correct* or multiple or optim* or suboptim* or sub-optim* or unnecessary) adj2 (drug* or medicine* or medicat* or prescri*))).ti,ab.

#	searches
38	(deprescrib* or de prescrib* or overprescri* or overprescri* or (over adj1 prescri*)).ti,ab.
39	low* toxicity index.ti,ab.
40	(medication appropriateness index or (prescri* adj2 checklist*)).ti,ab.
41	((improv* or quality) adj2 (prescrib* or prescrip* or medicat*)).ti,ab.
42	((alternative management or (risk adj2 (minimi* or mitigat*))) adj3 (measure* or strateg*) and prescri*).ti,ab.
43	((death* or fatal* or mortalit*) adj2 prescri*).ti,ab.
44	(study adj2 prescri*).ti,ab.
45	(prescri* adj10 toxi*).ti,ab.
46	((intervention* or program* or strateg* or technique*) adj4 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj4 toxic*).ti,ab.
47	((careful or caution* or cautious or monitor* or not*1 use*1 or ((low* or reduc*) adj2 risk*) or off label or safe* or toxic*) adj5 (administration or dispens* or dose or dosage* or prescri*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupenthixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or

#	searches
	nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
48	((limit* or low* or minimi* or restrict* or small*) adj3 (access* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
49	((((begin or initiat* or start*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or

#	searches
	<p>tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole) adj5 (low* or reduc* or small*) or (short* adj2 duration)) adj3 ((dispens* adj2 medic*) or dose* or dosage* or prescri*).ti,ab.</p>
50	<p>((taper* or titrat*) adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or</p>

#	searches
	lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)) or (slow* adj2 titrat*).ti,ab.
51	(toxic* adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*)) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
52	((limit* or low* or minimi* or restrict* or small*) adj3 (access* or availabilit* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or



#	searches
	<p>medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine)).ti,ab.</p>
53	<p>(prescri* adj5 (amount* or quantit* or size* or volum* or dose* or dosage*) adj5 (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*)) or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or paracetamol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupenthixol or thiothixene or zuclopenthixol or sulpiride or</p>

#	searches
	sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
54	or/12-13,19-53
55	3 and 54
56	55
57	limit 56 to (english language and yr="2000 -current")
58	exp animals, laboratory/ or exp animal experimentation/ or exp models, animal/ or exp rodentia/ or (rat or rats or mouse or mice).ti. or (animals not humans).sh. or (letter or comment*).ti.
59	57 not 58

### Database(s): Embase and Emcare – OVID interface

Date of last search: 8<sup>th</sup> January 2021

#	searches
1	automutilation/ or exp suicidal behavior/
2	(self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*).tw.
3	or/1-2
4	1 and (toxicity/ and prevention*.hw.)
5	prescription/
6	exp inappropriate prescribing/ or medication compliance/ or (exp medication error/ and prevention.hw.) or medication therapy management/
7	exp *antidepressant agent/do or exp *narcotic analgesic agent/do or exp *neuroleptic agent/do or exp *benzodiazepine derivative/do or exp *opiate/do or exp *opiate addiction/do
8	exp antidepressant agent/ae,to or exp narcotic analgesic agent/ ae,to or exp neuroleptic agent/ ae,to or exp benzodiazepine derivative/ ae,to or exp opiate/ ae,to or exp opiate addiction/ ae,to
9	(automutilation/ or exp suicidal behavior/) and prevention.hw.
10	8 and 9

#	searches
11	(exp antidepressive agents/ or exp analgesics, opioid/ or exp antipsychotic agents/ or exp benzodiazepines/ or exp opiate alkaloids/ or opioid related disorders/ or (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*)) or paracetamol or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or sssis or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole).hw.) and (clinical competence or patient safety or practice guideline or risk reduction).sh.
12	or/4-7,10-11
13	prescri*.ti.
14	prescri*.ab.
15	"prevention and control"/ or prevention/
16	risk reduction/
17	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or

#	searches
	self immolat* or selfinfect* or self inflict* or auto mutilat* or automutilat*).ti,ab.
18	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (death* or lethality* or mortality* or poison* or toxic* or ((side or adverse) adj2 effect*) or self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinfect* or self inflict* or auto mutilat* or automutilat*).ti,ab.
19	14 and (or/15-18)
20	(follow up* and (call* or phone* or skype or teleconf* or telephone* or video*) and (dispens* or pharmac* or prescri*).hw.
21	((followup* or follow up*) adj5 (pharmac* or prescri*)) or ((dispens* or pharmac* or prescri*) adj5 (call* or phone* or teleconf* or telephone* or video*) adj5 (drug* or medicat* or medicine*))).ti,ab.
22	((careful or enhance* or safe*) adj2 (dispens* or prescri*)) or selective prescribing).ti,ab.
23	stewardship.ti,ab.
24	do not* do recommendation.ti,ab.
25	((dispens* or prescri*) adj5 risk* adj5 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*).ti,ab.
26	((dispens* or prescri*) adj3 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj3 toxic*) or ((limit* or low* or minimi* or reduc* or small*) adj2 toxicity index).ti,ab.
27	((dispens* or dose* or dosage* or initiation or prescri* or (combination* or concomitant*)) adj4 (monitor* or supervi*) adj4 (pharmacist* or prescriber* or specialist*)) or (supervi* adj3 (combination* or concomitant*) adj2 (drug* or medication* or medicine*))).ti,ab.
28	((dispens* or prescri*) adj3 (high* or low* or minimi*) adj2 risk*) or ((limit* or low* or minimi* or reduc* or small*) adj3 risk* adj3 (dispens* or prescri*))).ti,ab.
29	((limit* or low* or minimi* or reduc* or small* or taper*) adj2 (dose* or dosage* or prescri*)) or ((limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or quantit* or size* or volum*) adj3 (dose* or drug* or medication* or medicine* or prescri*)) or (prescri* adj3 (limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or quantit* or size* or volum*))).ti,ab.
30	((begin or initiat* or start*) adj2 (limit* or low* or minimi* or reduc* or small*)) or (short* adj2 duration)) adj2 ((dispens* adj2 medic*) or dose*1 or dosage* or prescri*).ti,ab.
31	((pack* or prescri*) adj3 (quantit* or size)) or (blister adj3 pack*) or ("2" or "14 day" or two) adj week* adj2 (pack* or suppli*) or (prescri* adj2 (half or single) adj2 (dose or dosage)) or (prescri* adj2 alternative*) or ((safe* or single dos* or split or split dos* or starter) adj2 pack*).ti,ab.
32	((patient* or self harmer* or ((patient or people) adj2 (selfharm* or self harm* or suicid*))) adj3 (educat* or information*) adj7 ((dispens* adj2 medic*) or dose or dosage* or medicine* or medication* or prescri*))).ti,ab.

#	searches
33	((educat* or information*) adj3 ((dispens* adj2 medic*) or dose or dosage* or prescri*)).ti,ab.
34	((educat* adj3 prescri*) or ((information or educat*) adj5 fatal toxicity index)).ti,ab.
35	((education* or information*) adj3 (assist* or help*) adj3 (pharmacist* or prescriber*)).ti,ab.
36	(patch or patches or ((long* or modified or slow* or fast*) adj2 (acting or releas* or titrat*))).ti,ab.
37	((adher* or appropriate or compli* or concurrent* or dexter* or excessive or inadequate or inappropriat* or incorrect* or in-correct* or multiple or optim* or suboptim* or sub-optim* or unnecessary) adj2 (drug* or medicine* or medicat* or prescri*)).ti,ab.
38	(deprescrib* or de prescrib* or overprescri* or overprescri* or (over adj1 prescri*)).ti,ab.
39	low* toxicity index.ti,ab.
40	(medication appropriateness index or (prescri* adj2 checklist*)).ti,ab.
41	((improv* or quality) adj2 (prescrib* or prescrip* or medicat*)).ti,ab.
42	((alternative management or (risk adj2 (minimi* or mitigat*))) adj3 (measure* or strateg*) and prescri*).ti,ab.
43	((death* or fatal* or mortalit*) adj2 prescri*).ti,ab.
44	(study adj2 prescri*).ti,ab.
45	(prescri* adj10 toxi*).ti,ab.
46	((intervention* or program* or strateg* or technique*) adj4 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj4 toxic*).ti,ab.
47	((careful or caution* or cautious or monitor* or not*1 use*1 or ((low* or reduc*) adj2 risk*) or off label or safe* or toxic*) adj5 (administration or dispens* or dose or dosage* or prescri*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssnri or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtzapine or mianserin or mirtzapine or setiptiline or desvenlafaxine or

#	searches
	duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
48	((limit* or low* or minimi* or restrict* or small*) adj3 (access* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or

#	searches
	perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
49	((((begin or initiat* or start*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole) adj5 (low* or reduc* or small*)) or (short* adj2 duration)) adj3 ((dispens* adj2 medic*) or dose* or dosage* or prescri*).ti,ab.
50	(((taper* or titrat*) adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or

#	searches
	<p>hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)) or (slow* adj2 titrat*).ti,ab.</p>
51	<p>(toxic* adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or sssri or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or</p>



#	searches
	penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
52	((limit* or low* or minimi* or restrict* or small*) adj3 (access* or availabilit* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrns or rima or rimas or sari or saris or snri or snris or ssri or ssnis or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine)).ti,ab.
53	(prescri* adj5 (amount* or quantit* or size* or volum* or dose* or dosage*) adj5 (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*)) or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrns or rima or rimas or sari or saris or snri or snris or ssri or ssnis or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or paracetamol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or

#	searches
	opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setipiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
54	or/12-13,19-53
55	3 and 54
56	55
57	limit 56 to (english language and yr="2000 -current")
58	(animal/ not human/) or exp Animal Experiment/ or animal model/ or exp Experimental Animal/ or nonhuman/ or exp Rodent/ or (rat or rats or mouse or mice).ti.
59	57 not 58

### Database(s): PsycINFO – OVID interface

Date of last search: 8<sup>th</sup> January 2021

#	searches
1	self-injurious behavior/ or self-destructive behavior/ or self-inflicted wounds/ or self-mutilation/ or self-poisoning/ or exp suicide/ or suicidal ideation/
2	(self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*).tw.
3	or/1-2
4	1 and (toxicity and prevention).sh.
5	exp "prescribing (drugs)"/

#	searches
6	(exp antidepressant drugs/ or exp analgesic drugs/ or exp neuroleptic drugs/ or exp benzodiazepines/ or (exp opiates/ and exp alkaloids/) or opioid-use disorder/) and drug dosages/
7	(exp antidepressant drugs/ or exp analgesic drugs/ or exp neuroleptic drugs/ or exp benzodiazepines/ or (exp opiates/ and exp alkaloids/) or opioid-use disorder/) and (side effects or toxic*).hw.
8	7
9	1 and prevention.hw.
10	8 and 9
11	(exp antidepressant drugs/ or exp analgesic drugs/ or exp neuroleptic drugs/ or exp benzodiazepines/ or (exp opiates/ and exp alkaloids/) or opioid-use disorder/ or (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*)) or paracetamol or antidepressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabilizer* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquilizer* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nril or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clozapine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole).hw.) and (professional competence or patient safety or toxic disorders or treatment guidelines).sh.

#	searches
12	or/4-6,10-11
13	prescri*.ti.
14	prescri*.ab.
15	prevention/
16	harm reduction/
17	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*)).ti,ab.
18	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) adj3 (death* or lethalit* or mortalit* or poison* or toxic* or ((side or adverse) adj2 effect*) or self harm* or selfharm* or self injur* or selfinjur* or self mutilat* or selfmutilat* or suicid* or self destruct* or selfdestruct* or self poison* or selfpoison* or (self adj2 cut*) or selfimmolat* or self immolat* or selfinflict* or self inflict* or auto mutilat* or automutilat*)).ti,ab.
19	14 and (or/15-18)
20	(follow up* and (call* or phone* or skype or teleconf* or telephone* or video*) and (dispens* or pharmac* or prescri*)).hw.
21	((followup* or follow up*) adj5 (pharmac* or prescri*)) or ((dispens* or pharmac* or prescri*) adj5 (call* or phone* or teleconf* or telephone* or video*) adj5 (drug* or medicat* or medicine*))).ti,ab.
22	((careful or enhance* or safe*) adj2 (dispens* or prescri*)) or selective prescribing).ti,ab.
23	stewardship.ti,ab.
24	do not* do recommendation.ti,ab.
25	((dispens* or prescri*) adj5 risk* adj5 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*)).ti,ab.
26	((dispens* or prescri*) adj3 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj3 toxic*) or ((limit* or low* or minimi* or reduc* or small*) adj2 toxicity index)).ti,ab.
27	((dispens* or dose* or dosage* or initiation or prescri* or (combination* or concomitant*)) adj4 (monitor* or supervi*) adj4 (pharmacist* or prescriber* or specialist*)) or (supervi* adj3 (combination* or concomitant*) adj2 (drug* or medication* or medicine*))).ti,ab.
28	((dispens* or prescri*) adj3 (high* or low* or minimi*) adj2 risk*) or ((limit* or low* or minimi* or reduc* or small*) adj3 risk* adj3 (dispens* or prescri*))).ti,ab.
29	((limit* or low* or minimi* or reduc* or small* or taper*) adj2 (dose* or dosage* or prescri*)) or ((limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or quantit* or size* or volum*) adj3 (dose* or drug* or medication* or medicine* or prescri*)) or (prescri* adj3 (limit* or low* or minimi* or reduc* or small* or taper*) adj3 (amount* or

#	searches
	quantit* or size* or volum*))).ti,ab.
30	(((begin or initiat* or start*) adj2 (limit* or low* or minimi* or reduc* or small*)) or (short* adj2 duration)) adj2 ((dispens* adj2 medic*) or dose*1 or dosage* or prescri*).ti,ab.
31	(((pack* or prescr*) adj3 (quantit* or size)) or (blister adj3 pack*) or ("2" or "14 day" or two) adj week* adj2 (pack* or suppl*)) or (prescri* adj2 (half or single) adj2 (dose or dosage)) or (prescri* adj2 alternative*) or ((safe* or single dos* or split or split dos* or starter) adj2 pack*).ti,ab.
32	((patient* or self harmer* or ((patient or people) adj2 (selfharm* or self harm* or suicid*))) adj3 (educat* or information*) adj7 ((dispens* adj2 medic*) or dose or dosage* or medicine* or medication* or prescri*).ti,ab.
33	((educat* or information*) adj3 ((dispens* adj2 medic*) or dose or dosage* or prescri*).ti,ab.
34	((educat* adj3 prescri*) or ((information or educat*) adj5 fatal toxicity index)).ti,ab.
35	((education* or information*) adj3 (assist* or help*) adj3 (pharmacist* or prescriber*).ti,ab.
36	(patch or patches or ((long* or modified or slow* or fast*) adj2 (acting or releas* or titrat*))).ti,ab.
37	((adher* or appropriate or compli* or concurrent* or dexter* or excessive or inadequate or inappropriat* or incorrect* or in-correct* or multiple or optim* or suboptim* or sub-optim* or unnecessary) adj2 (drug* or medicine* or medicat* or prescri*).ti,ab.
38	(deprescrib* or de prescrib* or overprescri* or overprescri* or (over adj1 prescri*).ti,ab.
39	low* toxicity index.ti,ab.
40	(medication appropriateness index or (prescri* adj2 checklist*).ti,ab.
41	((improv* or quality) adj2 (prescrib* or prescrip* or medicat*).ti,ab.
42	(((alternative management or (risk adj2 (minimi* or mitigat*))) adj3 (measure* or strateg*)) and prescri*).ti,ab.
43	((death* or fatal* or mortalit*) adj2 prescri*).ti,ab.
44	(study adj2 prescri*).ti,ab.
45	(prescri* adj10 toxi*).ti,ab.
46	((intervention* or program* or strateg* or technique*) adj4 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) adj4 toxic*).ti,ab.
47	((careful or caution* or cautious or monitor* or not*1 use*1 or ((low* or reduc*) adj2 risk*) or off label or safe* or toxic*) adj5 (administration or dispens* or dose or dosage* or prescri*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or

#	searches
	<p>selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or sstris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupenthixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.</p>
48	<p>((limit* or low* or minimi* or restrict* or small*) adj3 (access* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or sstris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or</p>

#	searches
	<p>safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.</p>
49	<p>(((((begin or initiat* or start*) adj5 (drug* or drug combination* or medicines or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nril or rima or rima or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole) adj5 (low* or reduc* or small*)) or (short* adj2 duration)) adj3 ((dispens* adj2</p>

#	searches
	medic*) or dose* or dosage* or prescri*)),ti,ab.
50	(((taper* or titrat*) adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)) or (slow* adj2 titrat*)),ti,ab.
51	(toxic* adj2 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or



#	searches
	<p>sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.</p>
52	<p>((limit* or low* or minimi* or restrict* or small*) adj3 (access* or availabilit* or initiat* or start* or use*1) adj5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or pharmacological agent* or tablet* or pill* or treatment or ((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or ante depressant* or antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine)).ti,ab.</p>
53	<p>(prescri* adj5 (amount* or quantit* or size* or volum* or dose* or dosage*) adj5 (((monoamine or mono amine) adj oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) adj2 (reuptake or re uptake) adj2 inhibitor*) or (reversible inhibitors adj2 monoamine oxidase) or analgesic* or (pain adj2 (drug* or medic*))) or ante depressant* or</p>

#	searches
	antidepressant* or antipsychotic* or benzodiazepin* or mood stabili* or opiate* or opioid* or psychotropic* or selective serotonin or serotonin antagonist or reuptake inhibitor* or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or paracetamol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or pipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)).ti,ab.
54	or/12-13,19-53
55	3 and 54
56	55
57	limit 56 to (english language and yr="2000 -current")

**Database(s): Cochrane Library - Wiley interface**

Cochrane Database of Systematic Reviews, Issue 1 of 12, January 2021; Cochrane Central Register of Controlled Trials, Issue 1 of 12, January 2021

Date of last search: 8<sup>th</sup> January 2021

#	searches
1	MeSH descriptor: [poisoning] this term only
2	MeSH descriptor: [self-injurious behavior] explode all trees
3	MeSH descriptor: [self mutilation] this term only

#	searches
4	MeSH descriptor: [suicide] this term only
5	MeSH descriptor: [suicidal ideation] this term only
6	MeSH descriptor: [suicide, attempted] this term only
7	MeSH descriptor: [suicide, completed] this term only
8	(automutilat* or "auto mutilat*" or cutt* or (self near/2 cut*) or selfdestruct* or "self destruct*" or selfharm* or "self harm*" or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or selfinjur* or "self injur*" or selfmutilat* or "self mutilat*" or selfpoison* or "self poison*" or selfwound* or "self wound*" or suicid*):ti,ab.
9	{or #1-#8}
10	MeSH descriptor: [drug prescriptions] this term only
11	MeSH descriptor: [inappropriate prescribing] this term only
12	MeSH descriptor: [medication adherence] this term only
13	MeSH descriptor: [medication errors this term only and with qualifier(s): [prevention & control - PC]
14	MeSH descriptor: [medication therapy management] this term only
15	MeSH descriptor: [antidepressive agents explode all trees and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
16	MeSH descriptor: [analgesics, opioid explode all trees and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
17	MeSH descriptor: [antipsychotic agents explode all trees and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
18	MeSH descriptor: [benzodiazepines explode all trees and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
19	MeSH descriptor: [opiate alkaloids explode all trees and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
20	MeSH descriptor: [opioid-related disorders this term only and with qualifier(s): [administration & dosage - AD, poisoning - PO, adverse effects - AE, supply & distribution - SD, toxicity - TO]
21	{OR #15-#20}
22	MeSH descriptor: [self mutilation] this term only and with qualifier(s): [prevention & control - PC]
23	MeSH descriptor: [self-injurious behavior] this term only and with qualifier(s): [prevention & control - PC]
24	MeSH descriptor: [suicidal ideation/pc

#	searches
25	MeSH descriptor: [suicide, attempted] this term only and with qualifier(s): [prevention & control - PC]
26	MeSH descriptor: [suicide, completed] this term only and with qualifier(s): [prevention & control - PC]
27	MeSH descriptor: [suicide] this term only and with qualifier(s): [prevention & control - PC]
28	{OR #22-#27}
29	#21 and #28
30	MeSH descriptor: [antidepressive agents] explode all trees
31	MeSH descriptor: [analgesics, opioid] explode all trees
32	MeSH descriptor: [antipsychotic agents] explode all trees
33	MeSH descriptor: [benzodiazepines] explode all trees
34	MeSH descriptor: [opiate alkaloids] explode all trees
35	MeSH descriptor: [opiod related disorders] this term only and with qualifier(s): [prevention & control - PC]
36	(((monoamine or "mono amine") next "oxidase inhibitors") or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or "re uptake") near/2 inhibitor*) or ("reversible inhibitors" near/2 "monoamine oxidase") or analgesic* or (pain near/2 (drug* or medic*)) or paracetamol or "ante depressant*" or antidepressant* or antipsychotic* or benzodiazepin* or "mood stabili*" or opiate* or opioid* or psychotropic* or "selective serotonin" or "serotonin antagonist" or "reuptake inhibitor*" or tranquili* or tricyclic* or maoui or maouis or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or

#	searches
	thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole):kw.
37	{OR #30-#36}
38	MeSH descriptor: [clinical competence] this term only
39	MeSH descriptor: [patient safety] this term only
40	MeSH descriptor: [poisoning] this term only
41	"practice guideline*":kw.
42	MeSH descriptor: [practice patterns, physicians] this term only
43	MeSH descriptor: [risk reduction behavior] this term only
44	{OR #38-#43}
45	#37 and #44
46	#10 or #11 or #12 or #13 or #14 or #29 or #45
47	prescri*.ti.
48	prescri*.ab.
49	MeSH descriptor: [prevention and control ] this term only
50	MeSH descriptor: [prevention] this term only
51	MeSH descriptor: [risk reduction] this term only
52	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) near/3 ("self harm*" or selfharm* or "self injur*" or selfinjur* or "self mutilat*" or selfmutilat* or suicid* or "self destruct*" or selfdestruct* or "self poison*" or selfpoison* or (self near/2 cut*) or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or "auto mutilat*" or automutilat*)):ti,ab.
53	((less* or limit* or low* or minimi* or prevent* or reduc* or small*) near/3 (death* or lethalit* or mortalit* or poison* or toxic* or ((side or adverse) near/2 effect*) or "self harm*" or selfharm* or "self injur*" or selfinjur* or "self mutilat*" or selfmutilat* or suicid* or "self destruct*" or selfdestruct* or "self poison*" or selfpoison* or (self near/2 cut*) or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or "auto mutilat*" or automutilat*)):ti,ab.
54	{OR #49-#53}
55	#48 and #54
56	("follow up*" and (call* or phone* or skype or teleconf* or telephone* or video*) and (dispens* or pharmac* or prescri*)):hw.

#	searches
57	((followup* or "follow up*") near/5 (pharmac* or prescri*) or ((dispens* or pharmac* or prescri*) near/5 (call* or phone* or teleconf* or telephone* or video*) near/5 (drug* or medicat* or medicine*)):ti,ab.
58	((careful or enhance* or safe*) near/2 (dispens* or prescri*)) or "selective prescribing":ti,ab.
59	stewardship:ti,ab.
60	"do not* do recommendation":ti,ab.
61	((dispens* or prescri*) near/5 risk* near/5 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*)):ti,ab.
62	((dispens* or prescri*) near/3 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) near/3 toxic*) or ((limit* or low* or minimi* or reduc* or small*) near/2 "toxicity index"):ti,ab.
63	((dispens* or dose* or dosage* or initiation or prescri* or (combination* or concomitant*)) near/4 (monitor* or supervi*) near/4 (pharmacist* or prescriber* or specialist*)) or (supervi* near/3 (combination* or concomitant*) near/2 (drug* or medication* or medicine*)):ti,ab.
64	((dispens* or prescri*) near/3 (high* or low* or minimi*) near/2 risk*) or ((limit* or low* or minimi* or reduc* or small*) near/3 risk* near/3 (dispens* or prescri*)):ti,ab.
65	((limit* or low* or minimi* or reduc* or small* or taper*) near/2 (dose* or dosage* or prescri*)) or ((limit* or low* or minimi* or reduc* or small* or taper*) near/3 (amount* or quantit* or size* or volum*) near/3 (dose* or drug* or medication* or medicine* or prescri*)) or (prescri* near/3 (limit* or low* or minimi* or reduc* or small* or taper*) near/3 (amount* or quantit* or size* or volum*)):ti,ab.
66	((begin or initiat* or start*) near/2 (limit* or low* or minimi* or reduc* or small*)) or (short* near/2 duration)) near/2 ((dispens* near/2 medic*) or dose* or dosage* or prescri*)):ti,ab.
67	((pack* or prescri*) near/3 (quantit* or size)) or (blister near/3 pack*) or ("2" or "14 day" or two) next week* near/2 (pack* or suppl*) or (prescri* near/2 (half or single) near/2 (dose or dosage)) or (prescri* near/2 alternative*) or ((safe* or "single dos*" or split or "split dos*" or starter) near/2 pack*)):ti,ab.
68	((patient* or "self harmer*" or ((patient or people) near/2 (selfharm* or "self harm*" or suicid*))) near/3 (educat* or information*) near/7 ((dispens* near/2 medic*) or dose or dosage* or medicine* or medication* or prescri*)):ti,ab.
69	((educat* or information*) near/3 ((dispens* near/2 medic*) or dose or dosage* or prescri*)):ti,ab.
70	((educat* near/3 prescri*) or ((information or educat*) near/5 "fatal toxicity index")):ti,ab.
71	((education* or information*) near/3 (assist* or help*) near/3 (pharmacist* or prescriber*)):ti,ab.
72	(patch or patches or ((long* or modified or slow* or fast*) near/2 (acting or releas* or titrat*)):ti,ab.

#	searches
73	((adher* or appropriate or compli* or concurrent* or dexter* or excessive or inadequate or inappropriat* or incorrect* or "in-correct*" or multiple or optim* or suboptim* or "sub-optim*" or unnecessary) near/2 (drug* or medicine* or medicat* or prescri*)):ti,ab.
74	(deprescrib* or "de prescrib*" or overprescri* or overprescri* or (over near/1 prescri*)):ti,ab.
75	"low* toxicity index":ti,ab.
76	("medication appropriateness index" or (prescri* near/2 checklist*)):ti,ab.
77	((improv* or quality) near/2 (prescrib* or prescrip* or medicat*)):ti,ab.
78	((("alternative management" or (risk near/2 (minimi* or mitigat*))) near/3 (measure* or strateg*)) and prescri*):ti,ab.
79	((death* or fatal* or mortalit*) near/2 prescri*):ti,ab.
80	(study near/2 prescri*):ti,ab.
81	(prescri* near/10 toxi*):ti,ab.
82	((intervention* or program* or strateg* or technique*) near/4 (less* or limit* or low* or minimi* or mitigat* or reduc* or small*) near/4 toxic*):ti,ab.
83	((careful or caution* or cautious or monitor* or "not* use*" or ((low* or reduc*) near/2 risk*) or "off label" or safe* or toxic*) near/5 (administration or dispens* or dose or dosage* or prescri*) near/5 (drug* or "drug combination*" or medicines or medication* or "pharmacological agent*" or ((monoamine or "mono amine") next "oxidase inhibitors") or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or "re uptake") near/2 inhibitor*) or ("reversible inhibitors" near/2 "monoamine oxidase") or analgesic* or "ante depressant*" or antidepressant* or antipsychotic* or benzodiazepin* or "mood stabili*" or opiate* or opioid* or psychotropic* or "selective serotonin" or "serotonin antagonist" or "reuptake inhibitor*" or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or

#	searches
	penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)):ti,ab.
84	((limit* or low* or minimi* or restrict* or small*) near/3 (access* or initiat* or start* or use*) near/5 (dose* or dosage* or prescri* or drug* or “drug combination*” or medicine* or medication* or “pharmacological agent*” or tablet* or pill* or treatment or ((monoamine or “mono amine”) next “oxidase inhibitors”) or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or “re uptake”) near/2 inhibitor*) or (“reversible inhibitors” near/2 “monoamine oxidase”) or analgesic* or “ante depressant*” or antidepressant* or antipsychotic* or benzodiazepin* or “mood stabili*” or opiate* or opioid* or psychotropic* or “selective serotonin” or “serotonin antagonist” or “reuptake inhibitor*” or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupentixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)):ti,ab.
85	(((begin or initiat* or start*) near/5 (drug* or “drug combination*” or medicines or medication* or “pharmacological agent*” or tablet* or pill* or treatment or ((monoamine or



#	searches
	<p>“mono amine”) next “oxidase inhibitors”) or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or “re uptake”) near/2 inhibitor*) or (“reversible inhibitors” near/2 “monoamine oxidase”) or analgesic* or “ante depressant*” or antidepressant* or antipsychotic* or benzodiazepin* or “mood stabili*” or opiate* or opioid* or psychotropic* or “selective serotonin” or “serotonin antagonist” or “reuptake inhibitor*” or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssnri or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole) near/5 (low* or reduc* or small*) or (short* near/2 duration)) near/3 ((dispens* near/2 medic*) or dose* or dosage* or prescri*):ti,ab.</p>
86	<p>((taper* or titrat*) near/2 (dose* or dosage* or prescri* or drug* or “drug combination*” or medicine* or medication* or “pharmacological agent*” or ((monoamine or “mono amine”) next “oxidase inhibitors”) or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or “re uptake”) near/2 inhibitor*) or (“reversible inhibitors” near/2 monoamine oxidase) or analgesic* or “ante depressant*” or antidepressant* or antipsychotic* or benzodiazepin* or “mood stabili*” or opiate* or opioid* or psychotropic* or “selective serotonin” or “serotonin antagonist” or “reuptake inhibitor*” or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssnri or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or</p>

#	searches
	doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)) or (slow* near/2 titrat*)):ti,ab.
87	(toxic* near/2 (dose* or dosage* or prescri* or drug* or "drug combination*" or medicine* or medication* or "pharmacological agent*" or ((monoamine or mono amine) next "oxidase inhibitors") or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or "re uptake") near/2 inhibitor*) or ("reversible inhibitors" near/2 "monoamine oxidase") or analgesic* or "ante depressant*" or antidepressant* or antipsychotic* or benzodiazepin* or "mood stabili*" or opiate* or opioid* or psychotropic* or "selective serotonin" or "serotonin antagonist" or "reuptake inhibitor*" or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nris or rima or rimas or sari or saris or snri or snris or ssri or sstris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulphiride or sultopride or veralipride or carpipramine or

#	searches
	<p>clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)):ti,ab.</p>
88	<p>((limit* or low* or minimi* or restrict* or small*) near/3 (access* or availabilit* or initiat* or start* or use*1) near/5 (dose* or dosage* or prescri* or drug* or drug combination* or medicine* or medication* or “pharmacological agent*” or tablet* or pill* or treatment or ((monoamine or “mono amine”) next “oxidase inhibitors”) or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or “re uptake”) near/2 inhibitor*) or (“reversible inhibitors” near/2 “monoamine oxidase”) or analgesic* or “ante depressant*” or antidepressant* or antipsychotic* or benzodiazepin* or “mood stabili*” or opiate* or opioid* or psychotropic* or “selective serotonin” or “serotonin antagonist” or “reuptake inhibitor*” or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or rasagiline or safinamide or selegiline or toloxatone or tranlycypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine)):ti,ab.</p>
89	<p>(prescri* near/5 (amount* or quantit* or size* or volum* or dose* or dosage*) near/5 (((monoamine or mono amine) next oxidase inhibitors) or ((serotonin or noradrenaline or norepinephrine) near/2 (reuptake or “re uptake”) near/2 inhibitor*) or (“reversible inhibitors” near/2 “monoamine oxidase”) or analgesic* or (pain near/2 (drug* or medic*))) or “ante depressant*” or antidepressant* or antipsychotic* or benzodiazepin* or “mood stabili*” or opiate* or opioid* or psychotropic* or “selective serotonin” or “serotonin antagonist” or “reuptake inhibitor*” or tranquili* or tricyclic* or maoi or maois or nassa or nassas or nga or ngas or nri or nrri or rima or rimas or sari or saris or snri or snris or ssri or ssris or tad or tads or tca or tcas or amitriptyline or codeine* or dihydrocodeine or meptazinol or paracetamol or pethidine or tapentadol or tramadol or buprenorphine or diamorphine or dipipanone or fentanyl or hydromorphone or morphine or opiate* or opioid* or oxycodone or papaveretum or pentazocine or fluphenazine or flupenthixol or lithium or olanzapine or valproate or citalopram or dapoxetine or escitalopram or fluoxetine or fluvoxamine or paroxetine or sertraline or vortioxetine or amineptine or amitriptyline or amoxapine or butriptyline or clomipramine or desipramine or dibenzepin or dosulepin or doxepin or imipramine or iprindole or lofepramine or maprotiline or norclomipramine or northiaden or nortriptyline or opipramol or protriptyline or tianeptine or trimipramine or aptazapine or esmirtazapine or mianserin or mirtazapine or setiptiline or desvenlafaxine or duloxetine or levomilnacipran or milnacipran or venlafaxine or sibutramine or bifemelane or hydrazine or isocarboxazid or hydracarbazine or moclobemide or phenelzine or pirlindole or</p>

#	searches
	rasagiline or safinamide or selegiline or toloxatone or tranylcypromine or bupropion or dosulepin or ketamine or maprotiline or reboxetine or trazodone or venlafaxine or alprazolam or bromazepam or chlordiazepoxide or clobazam or clonazepam or clorazepate or diazepam or estazolam or lorazepam or medazepam or midazolam or nitrazepam or olanzapine or triazolam or benperidol or bromperidol or droperidol or haloperidol or timiperone or fluspirilene or penfluridol or pimozide or acepromazine or chlorpromazine or cyamemazine or dixyrazine or fluphenazine or levomepromazine or perazine or pericyazine or perphenazine or pipotiazine or prochlorperazine or promethazine or prothipendyl or thioproperazine or trifluoperazine or chlorprothixene or clopenthixol or flupentixol or thiothixene or zuclopenthixol or sulpiride or sultopride or veralipride or caripramine or clocapramine or clorotepine or clotiapine or loxapine or mosapramine or amisulpride or nemonapride or remoxipride or sultopride or iloperidone or lurasidone or paliperidone or perospirone or risperidone or ziprasidone or melperone or lumateperone or aripiprazole or brexpiprazole or cariprazine or asenapine or clozapine or olanzapine or quetiapine or zotepine or blonanserin or pimavanserin or sertindole)):ti,ab.
90	{OR #56-#89}
91	#47 or #55 or #90
92	#46 or #91
93	(#9 and #92) with Cochrane Library publication date Between Jan 2000 and Jan 2021

### Database(s): CDSR and HTA – CRD interface

Date of last search: 8<sup>th</sup> January 2021

#	Searches
1	MeSH descriptor: poisoning IN CDSR, HTA
2	MeSH descriptor: self-injurious behavior EXPLODE ALL TREES IN CDSR, HTA
3	MeSH descriptor: self mutilation IN CDSR, HTA
4	MeSH descriptor: suicide IN CDSR, HTA
5	MeSH descriptor: suicidal ideation IN CDSR, HTA
6	MeSH descriptor: suicide, attempted IN CDSR, HTA
7	MeSH descriptor: suicide, completed IN CDSR, HTA
8	(automutilat* or “auto mutilat*” or cutt* or (self near2 cut*) or selfdestruct* or “self destruct*” or selfharm* or “self harm*” or selfimmolat* or “self immolat*” or selfinfect* or “self infect*” or selfinjur* or “self injur*” or selfmutilat* or “self mutilat*” or selfpoison* or “self poison*” or selfwound* or “self wound*” or suicid*) IN CDSR, HTA
9	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8) from 2000 to 2021

### Economic

A global, population based search was undertaken to find for economic evidence covering all parts of the guideline.

### Database(s): MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily – OVID interface

Date of last search: 12<sup>th</sup> August 2021

#	Searches
1	poisoning/ or exp self-injurious behavior/ or self mutilation/ or suicide/ or suicidal ideation/ or suicide, attempted/ or suicide, completed/
2	(automutilat* or auto mutilat* or cutt* or (self adj2 cut*) or selfdestruct* or self destruct* or selfharm* or self harm* or selfimmolat* or self immolat* or selfinflict* or self inflict* or selfinjur* or self injur* or selfmutilat* or self mutilat* or selfpoison* or self poison* or selfwound* or self wound* or suicid*).ti,ab.
3	or/1-2
4	Economics/
5	Value of life/
6	exp "Costs and Cost Analysis"/
7	exp Economics, Hospital/
8	exp Economics, Medical/
9	Economics, Nursing/
10	Economics, Pharmaceutical/
11	exp "Fees and Charges"/
12	exp Budgets/
13	budget*.ti,ab.
14	cost*.ti.
15	(economic* or pharmaco?economic*).ti.
16	(price* or pricing*).ti,ab.
17	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
18	(financ* or fee or fees).ti,ab.
19	(value adj2 (money or monetary)).ti,ab.
20	Quality-Adjusted Life Years/
21	Or/4-20
22	3 and 21
23	limit 22 to yr="2000 -current"

**Database(s): Embase and Emcare – OVID interface**

Date of last search: 12<sup>th</sup> August 2021

#	searches
1	automutilation/ or exp suicidal behavior/
2	(auto mutilat* or automutilat* or self cut* or selfcut* or self destruct* or selfdestruct* or self harm* or selfharm* or self immolat* or selfimmolat* or self inflict* or selfinflict* or self injur* or selfinjur* or self mutilat* or selfmutilat* or self poison* or selfpoison* or suicid*).ti,ab.
3	or/1-2
4	health economics/
5	exp economic evaluation/
6	exp health care cost/

#	searches
7	exp fee/
8	budget/
9	funding/
10	budget*.ti,ab.
11	cost*.ti.
12	(economic* or pharmaco?economic*).ti.
13	(price* or pricing*).ti,ab.
14	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
15	(financ* or fee or fees).ti,ab.
16	(value adj2 (money or monetary)).ti,ab.
17	Quality-Adjusted Life Year/
18	Or/4-17
19	3 and 18
20	limit 19 to yr="2000 -current"

**Database(s): Cochrane Library - Wiley interface**

Cochrane Central Register of Controlled Trials, Issue 8 of 12, August 2021

Date of last search: 12<sup>th</sup> August 2021

#	Searches
1	MeSH descriptor: [poisoning] this term only
2	MeSH descriptor: [self-injurious behavior] explode all trees
3	MeSH descriptor: [self mutilation] this term only
4	MeSH descriptor: [suicide] this term only
5	MeSH descriptor: [suicidal ideation] this term only
6	MeSH descriptor: [suicide, attempted] this term only
7	MeSH descriptor: [suicide, completed] this term only
8	(automutilat* or "auto mutilat*" or cutt* or (self near/2 cut*) or selfdestruct* or "self destruct*" or selfharm* or "self harm*" or selfimmolat* or "self immolat*" or selfinfect* or "self inflict*" or selfinjur* or "self injur*" or selfmutilat* or "self mutilat*" or selfpoison* or "self poison*" or selfwound* or "self wound*" or suicid*):ti,ab.
9	{or #1-#8}
10	MeSH descriptor: [Economics] this term only
11	MeSH descriptor: [Value of life] this term only
12	MeSH descriptor: [Costs and Cost Analysis] explode all trees
13	MeSH descriptor: [Economics, Hospital] explode all trees
14	MeSH descriptor: [Economics, Medical] explode all trees

#	Searches
15	MeSH descriptor: [Economics, Nursing] this term only
16	MeSH descriptor: [Economics, Pharmaceutical] this term only
17	MeSH descriptor: [Fees and Charges"]
18	MeSH descriptor: [Budgets] this term only
19	budget*:ti,ab.
20	cost*.ti.
21	(economic* or pharmaco?economic*):ti.
22	(price* or pricing*):ti,ab.
23	(cost* near/2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)):ab.
24	(financ* or fee or fees):ti,ab.
25	(value near/2 (money or monetary)):ti,ab.
26	MeSH descriptor: [Quality-Adjusted Life Years] this term only
27	{OR #10-#26}
28	(#9 and #27) with Cochrane Library publication date Between Jan 2000 and Aug 2021

### Database(s): NHS EED and HTA – CRD interface

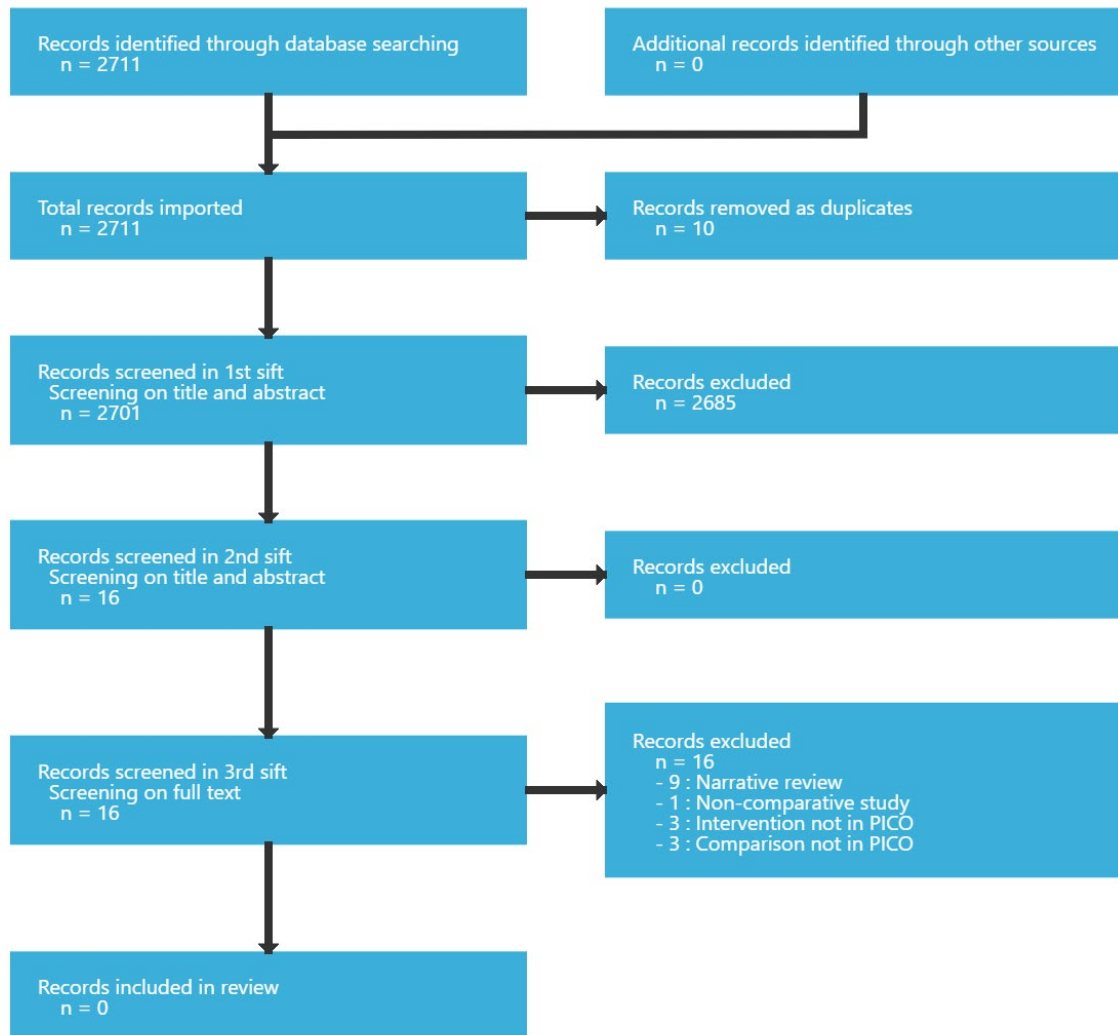
Date of last search: 12<sup>th</sup> August 2021

#	Searches
1	MeSH descriptor: poisoning <b>IN NHSEED, HTA</b>
2	MeSH descriptor: self-injurious behavior <b>EXPLODE ALL TREES IN NHSEED, HTA</b>
3	MeSH descriptor: self mutilation <b>IN NHSEED, HTA</b>
4	MeSH descriptor: suicide <b>IN NHSEED, HTA</b>
5	MeSH descriptor: suicidal ideation <b>IN NHSEED, HTA</b>
6	MeSH descriptor: suicide, attempted <b>IN NHSEED, HTA</b>
7	MeSH descriptor: suicide, completed <b>IN NHSEED, HTA</b>
8	(automutilat* or "auto mutilat*" or cutt* or (self near2 cut*) or selfdestruct* or "self destruct*" or selfharm* or "self harm*" or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or selfinjur* or "self injur*" or selfmutilat* or "self mutilat*" or selfpoison* or "self poison*" or selfwound* or "self wound*" or suicid*) <b>IN NHSEED, HTA</b>
9	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8) from 2000 to 2021

## Appendix C Effectiveness evidence study selection

Study selection for review question: What are the key principles of safer prescribing for people who have self-harmed?

Figure 1: Study selection flow chart





## **Appendix D Evidence tables**

**Evidence tables for review question: What are the key principles of safer prescribing for people who have self-harmed?**

No evidence was identified which was applicable to this review question.

## **Appendix E Forest plots**

**Forest plots for review question: What are the key principles of safer prescribing for people who have self-harmed?**

No meta-analysis was conducted for this review question and so there are no forest plots.

## **Appendix F Modified GRADE tables**

**Modified GRADE tables for review question: What are the key principles of safer prescribing for people who have self-harmed?**

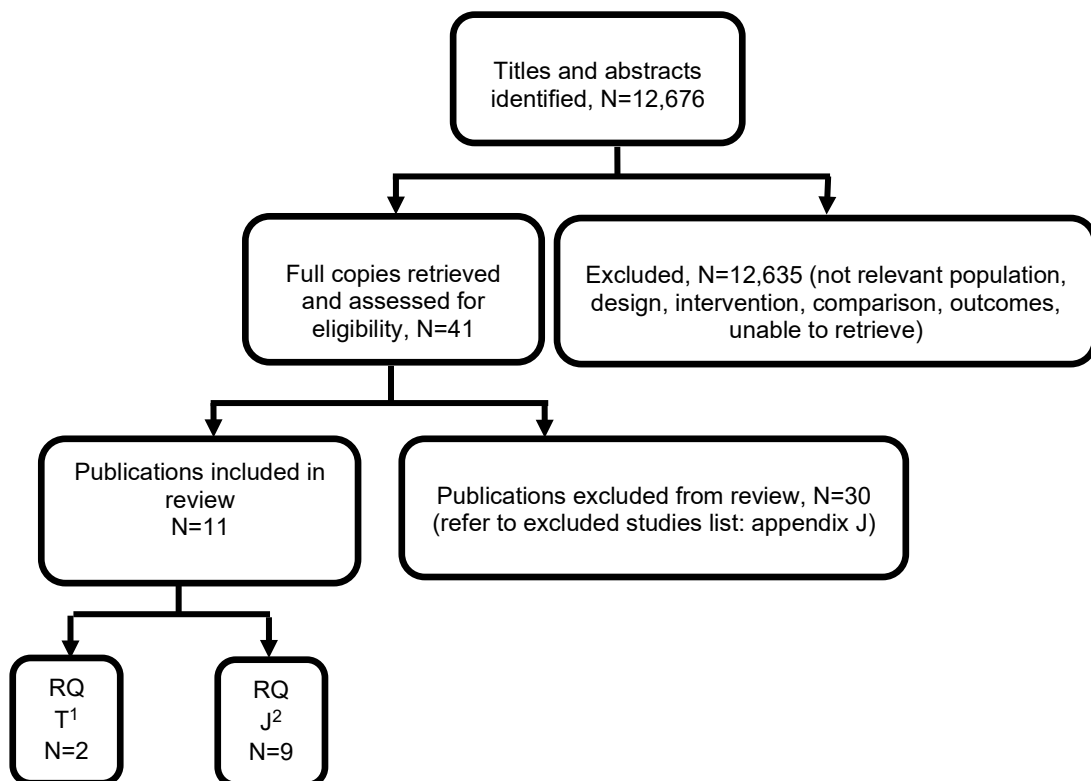
No evidence was identified which was applicable to this review question.

## Appendix G Economic evidence study selection

### Study selection for review question: What are the key principles of safer prescribing for people who have self-harmed?

A global health economics search was undertaken for all areas covered in the guideline. Figure 2 shows the flow diagram of the selection process for economic evaluations of interventions and strategies associated with the care of people who have self-harmed.

Figure 2: Flow diagram of economic article selection for global health economic search



Abbreviations: RQ: Research question

Notes:

1 What are the most effective models of care for people who have self-harmed?

2 What psychological and psychosocial interventions (including safety plans and electronic health-based interventions) are effective for people who have self-harmed?

## **Appendix H Economic evidence tables**

### **Economic evidence tables for review question: What are the key principles of safer prescribing for people who have self-harmed?**

No evidence was identified which was applicable to this review question.

## **Appendix I      Economic model**

**Economic model for review question: What are the key principles of safer prescribing for people who have self-harmed?**

No economic analysis was conducted for this review question.

## Appendix J Excluded studies

### Excluded studies for review question: What are the key principles of safer prescribing for people who have self-harmed?

#### Excluded effectiveness studies

**Table 3: Excluded studies and reasons for their exclusion**

Study	Code [Reason]
Chew-Graham, C. A., Morgan, C., Webb, R. T. et al. (2019) Reducing risk following self-harm: The need for careful prescribing. <i>British Journal of General Practice</i> 69: 224-225	- Narrative review
Cleary, E., Kelleher, C. C., Lane, A. et al. (2020) Limiting psychotropic medication prescription on discharge from psychiatric inpatient care: A possible suicide intervention?. <i>Irish Journal of Psychological Medicine</i> 37: 43-47	- Non-comparative study
Dyer, O. (2007) Teen suicide rate rises as prescribing of SSRIs falls, study finds. <i>BMJ (Clinical research ed.)</i> 335: 531	- Narrative review
Fernandes, V. and Flak, E. (2012) Safe and effective prescribing practices at the point of discharge from an inpatient psychiatry unit. <i>Journal of Psychiatric Practice</i> 18: 12-19	- Narrative review
Freeman, S. A. (2009) Suicide risk and psychopharmacology: assessment and management of acute and chronic risk factors. <i>Journal of Clinical Psychiatry</i> 70: 1052-3	- Narrative review
Gjelsvik, B., Heyerdah, F., Lunn, D. et al. (2014) Change in access to prescribed medication following an episode of deliberate self-poisoning: A multilevel approach. <i>PLoS ONE</i> 9 (5)	- Comparison not in PICO Interventions/comparison not in PICO: No comparison of different prescribing practices (study compares drugs prescribed to a sample of patients before and after an index episode of deliberate self-poisoning)
Gjelsvik, B.; Heyerdahl, F.; Hawton, K. (2012) Prescribed medication availability and deliberate self-poisoning: A longitudinal study. <i>Journal of Clinical Psychiatry</i> 73: e548-e554	- Comparison not in PICO No comparison of different prescribing practices (study compares patients v general population in prescribed drugs and doses)
Healy, D. (2009) Are selective serotonin reuptake inhibitors a risk factor for adolescent suicide?. <i>Canadian Journal of Psychiatry</i> 54: 69-71	- Narrative review
Kapur, N., Steeg, S., Webb, R. et al. (2013) Does Clinical Management Improve Outcomes following Self-Harm? Results from the Multicentre Study of Self-Harm in England. <i>PLoS ONE</i> 8 (8)	- Intervention not in PICO No prescribing practices
King, J., Cabarkapa, S.; Leow, F. (2019) Adolescent self-harm: Think before prescribing. <i>Australian Prescriber</i> 42: 90-92	- Narrative review

Study	Code [Reason]
Morgan, C., Webb, R. T., Carr, M. J. et al. (2018) Self-harm in a primary care cohort of older people: incidence, clinical management, and risk of suicide and other causes of death. <i>The Lancet Psychiatry</i> 5: 905-912	- Intervention not in PICO Observational study examining prescribing patterns of drugs after self-harm, but safe prescribing practices not examined and not associated with PICO outcomes; suggestions for 'alternative' prescribing made based on findings
Morgan, C., Webb, R. T., Carr, M. J. et al. (2017) Incidence, clinical management, and mortality risk following self harm among children and adolescents: Cohort study in primary care. <i>BMJ (Online)</i> 359 (no pagination)	- Intervention not in PICO Observational study; clinical management patterns described by drug, not by prescribing practices and not associated with outcomes of interest
O'Malley, P. A. (2018) A Season of Self-destruction-The Current Suicide Epidemic in Older Adults: Evidence to Consider Before Writing the Prescription. <i>Clinical nurse specialist CNS</i> 32: 290-293	- Narrative review
Rashid, A. (2016) Yonder: Self-harm, repeat prescribing, deprescribing, and worry. <i>British Journal of General Practice</i> 66: 261	- Narrative review
Tote, S. and Mulleague, L. (2005) The role of flumazenil in self harm with benzodiazepines: To give or not to give?. <i>Hospital Medicine</i> 66: 308	- Narrative review
Windfuhr, K., While, D., Kapur, N. et al. (2016) Suicide risk linked with clinical consultation frequency, psychiatric diagnoses and psychotropic medication prescribing in a national study of primary-care patients. <i>Psychological medicine</i> 46: 3407-3417	- Comparison not in PICO No comparison of different prescribing practices

### Excluded economic studies

**Table 4: Excluded studies from the guideline economic review**

Study	Reason for Exclusion
Adrian, M., Lyon, A. R., Nicodimos, S., Pullmann, M. D., McCauley, E., Enhanced "Train and Hope" for Scalable, Cost-Effective Professional Development in Youth Suicide Prevention, <i>Crisis</i> , 39, 235-246, 2018	Not relevant to any of the review questions in the guideline - this study examined the impact of an educational training ongoing intervention, and the effect of the post-training reminder system, on mental health practitioners' knowledge, attitudes, and behaviour surrounding suicide assessment and intervention. As well, this study was not a full health economic evaluation
Borschmann R, Barrett B, Hellier JM, et al. Joint crisis plans for people with borderline personality disorder: feasibility and outcomes in a randomised controlled trial. <i>Br J Psychiatry</i> . 2013;202(5):357-364.	Not relevant to any of the review questions in the guideline - this study examined the feasibility of recruiting and retaining adults with borderline personality disorder to a pilot randomised controlled trial investigating the potential efficacy and cost-effectiveness of using a joint crisis plan
Bustamante Madsen, L., Eddleston, M., Schultz Hansen, K., Konradsen, F., Quality Assessment of Economic Evaluations of Suicide and Self-Harm Interventions, <i>Crisis</i> , 39, 82-95, 2018	Study design - this review of health economics studies has been excluded for this guideline, but its references have been hand-searched for any relevant health economic study
Byford, S., Barrett, B., Aglan, A., Harrington, V., Burroughs, H., Kerfoot, M., Harrington, R. C., Lifetime and current costs of supporting young	Study design – no comparative cost analysis



Study	Reason for Exclusion
adults who deliberately poisoned themselves in childhood and adolescence, <i>Journal of Mental Health</i> , 18, 297-306, 2009	
Byford, S., Leese, M., Knapp, M., Seivewright, H., Cameron, S., Jones, V., Davidson, K., Tyrer, P., Comparison of alternative methods of collection of service use data for the economic evaluation health care interventions, <i>Health Economics</i> , 16, 531-536, 2007	Study design – no comparative cost analysis
Byford, Sarah, Barber, Julie A., Harrington, Richard, Barber, Baruch Beautrais Blough Brent Brodie Byford Carlson Chernoff Collett Fergusson Garland Goldberg Harman Harrington Hawton Huber Kazdin Kazdin Kerfoot Kerfoot Kerfoot Knapp Lindsey McCullagh Miller Netten Reynolds Sadowski Shaffer Simms Wu, Factors that influence the cost of deliberate self-poisoning in children and adolescents, <i>Journal of Mental Health Policy and Economics</i> , 4, 113-121, 2001	Study design – no comparative cost analysis
Denchev, P., Pearson, J. L., Allen, M. H., Claassen, C. A., Currier, G. W., Zatzick, D. F., Schoenbaum, M., Modeling the cost-effectiveness of interventions to reduce suicide risk among hospital emergency department patients, <i>Psychiatric Services</i> , 69, 23-31, 2018	Not relevant to any of the review questions in the guideline - this study estimated the cost-effectiveness of outpatient interventions (Postcards, Telephone outreach, Cognitive Behaviour Therapy) to reduce suicide risk among patients presenting to general hospital emergency departments
Dunlap, L. J., Orme, S., Zarkin, G. A., Arias, S. A., Miller, I. W., Camargo, C. A., Sullivan, A. F., Allen, M. H., Goldstein, A. B., Manton, A. P., Clark, R., Boudreaux, E. D., Screening and Intervention for Suicide Prevention: A Cost-Effectiveness Analysis of the ED-SAFE Interventions, <i>Psychiatric services (Washington, D.C.)</i> , appips201800445, 2019	Not relevant to any of the review questions in the guideline - this study estimated the cost-effectiveness of suicide screening followed by an intervention to identify suicidal individuals and prevent recurring self-harm
Fernando, S. M., Reardon, P. M., Ball, I. M., van Katwyk, S., Thavorn, K., Tanuseputro, P., Rosenberg, E., Kyeremanteng, K., Outcomes and Costs of Patients Admitted to the Intensive Care Unit Due to Accidental or Intentional Poisoning, <i>Journal of Intensive Care Medicine</i> , 35, 386-393, 2020	Study design – no comparative cost analysis
Flood, C., Bowers, L., Parkin, D., Estimating the costs of conflict and containment on adult acute inpatient psychiatric wards, <i>Nursing economic\$,</i> 26, 325-330, 324, 2008	Study design – no comparative cost analysis
Fortune, Z., Barrett, B., Armstrong, D., Coid, J., Crawford, M., Mudd, D., Rose, D., Slade, M., Spence, R., Tyrer, P., Moran, P., Clinical and economic outcomes from the UK pilot psychiatric services for personality-disordered offenders, <i>International Review of Psychiatry</i> , 23, 61-9, 2011	Not relevant to any of the review questions in the guideline
George, S., Javed, M., Hemington-Gorse, S., Wilson-Jones, N., Epidemiology and financial implications of self-inflicted burns, <i>Burns</i> , 42,	Study design – no comparative cost analysis

Study	Reason for Exclusion
196-201, 2016	
Gunnell, D., Shepherd, M., Evans, M., Are recent increases in deliberate self-harm associated with changes in socio-economic conditions? An ecological analysis of patterns of deliberate self-harm in Bristol 1972-3 and 1995-6, <i>Psychological medicine</i> , 30, 1197-1203, 2000	Study design - cost-of-illness study
Kapur, N., House, A., Dodgson, K., Chris, M., Marshall, S., Tomenson, B., Creed, F., Management and costs of deliberate self-poisoning in the general hospital: A multi-centre study, <i>Journal of Mental Health</i> , 11, 223-230, 2002	Study design – no comparative cost analysis
Kapur, N., House, A., May, C., Creed, F., Service provision and outcome for deliberate self-poisoning in adults - Results from a six centre descriptive study, <i>Social Psychiatry and Psychiatric Epidemiology</i> , 38, 390-395, 2003	Study design – no comparative cost analysis
Kinchin, I., Russell, A. M. T., Byrnes, J., McCalman, J., Doran, C. M., Hunter, E., The cost of hospitalisation for youth self-harm: differences across age groups, sex, Indigenous and non-Indigenous populations, <i>Social Psychiatry and Psychiatric Epidemiology</i> , 55, 425-434, 2020	Study design – no comparative cost analysis
O'Leary, F. M., Lo, M. C. I., Schreuder, F. B., "Cuts are costly": A review of deliberate self-harm admissions to a district general hospital plastic surgery department over a 12-month period, <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 67, e109-e110, 2014	Study design – no comparative cost analysis
Olfson, M., Gameroff, M. J., Marcus, S. C., Greenberg, T., Shaffer, D., National trends in hospitalization of youth with intentional self-inflicted injuries, <i>American Journal of Psychiatry</i> , 162, 1328-1335, 2005	Study design – no comparative cost analysis
Ostertag, L., Golay, P., Dorogi, Y., Brovelli, S., Cromec, I., Edan, A., Barbe, R., Saillant, S., Michaud, L., Self-harm in French-speaking Switzerland: A socio-economic analysis (7316), <i>Swiss Archives of Neurology, Psychiatry and Psychotherapy</i> , 70 (Supplement 8), 48S, 2019	Conference abstract
Ougrin, D., Corrigan, R., Poole, J., Zundel, T., Sarhane, M., Slater, V., Stahl, D., Reavey, P., Byford, S., Heslin, M., Ivens, J., Crommelin, M., Abdulla, Z., Hayes, D., Middleton, K., Nnadi, B., Taylor, E., Comparison of effectiveness and cost-effectiveness of an intensive community supported discharge service versus treatment as usual for adolescents with psychiatric emergencies: a randomised controlled trial, <i>The Lancet Psychiatry</i> , 5, 477-485, 2018	Not self-harm. In addition, the interventions evaluated in this economic analysis (a supported discharge service provided by an intensive community treatment team compared to usual care) were not relevant to any review questions
Palmer, S., Davidson, K., Tyrer, P., Gumley, A., Tata, P., Norrie, J., Murray, H., Seivewright, H., The cost-effectiveness of cognitive behavior therapy for borderline personality disorder:	Not self-harm

Study	Reason for Exclusion
results from the BOSCOT trial, Journal of Personality Disorders, 20, 466-481, 2006	
Quinlivan L, Steeg S, Elvidge J, et al. Risk assessment scales to predict risk of hospital treated repeat self-harm: A cost-effectiveness modelling analysis. J Affect Disord. 2019;249:208-215.	Not relevant to any of the review questions in the guideline - this study estimated the cost-effectiveness of risk assessment scales versus clinical assessment for adults attending an emergency department following self-harm
Richardson JS, Mark TL, McKeon R. The return on investment of postdischarge follow-up calls for suicidal ideation or deliberate self-harm. Psychiatr Serv. 2014;65(8):1012-1019.	Not enough data reporting on cost-effectiveness findings
Smits, M. L., Feenstra, D. J., Eeren, H. V., Bales, D. L., Laurensen, E. M. P., Blankers, M., Soons, M. B. J., Dekker, J. J. M., Lucas, Z., Verheul, R., Luyten, P., Day hospital versus intensive out-patient mentalisation-based treatment for borderline personality disorder: Multicentre randomised clinical trial, British Journal of Psychiatry, 216, 79-84, 2020	Not self-harm
Tsiachristas, A., Geulayov, G., Casey, D., Ness, J., Waters, K., Clements, C., Kapur, N., McDaid, D., Brand, F., Hawton, K., Incidence and general hospital costs of self-harm across England: estimates based on the multicentre study of self-harm, Epidemiology & Psychiatric Science, 29, e108, 2020	Study design – no comparative cost analysis
Tsiachristas, A., McDaid, D., Casey, D., Brand, F., Leal, J., Park, A. L., Geulayov, G., Hawton, K., General hospital costs in England of medical and psychiatric care for patients who self-harm: a retrospective analysis, The Lancet Psychiatry, 4, 759-767, 2017	Study design – no comparative cost analysis
Tubeuf, S., Saloniki, E. C., Cottrell, D., Parental Health Spillover in Cost-Effectiveness Analysis: Evidence from Self-Harming Adolescents in England, Pharmacoeconomics, 37, 513-530, 2019	This study is not a separate study from one already included in the guideline for topic 5.2 (Cottrel 2018). This secondary analysis presents alternative parental health spillover quantification methods in the context of a randomised controlled trial comparing family therapy with treatment as usual as an intervention for self-harming adolescents of (Cottrel 2018), and discusses the practical limitations of those methods
Tyrer, P., Thompson, S., Schmidt, U., Jones, V., Knapp, M., Davidson, K., Catalan, J., Airlie, J., Baxter, S., Byford, S., Byrne, G., Cameron, S., Caplan, R., Cooper, S., Ferguson, B., Freeman, C., Frost, S., Godley, J., Greenshields, J., Henderson, J., Holden, N., Keech, P., Kim, L., Logan, K., Manley, C., MacLeod, A., Murphy, R., Patience, L., Ramsay, L., De Munroz, S., Scott, J., Seivewright, H., Sivakumar, K., Tata, P., Thornton, S., Ukoumunne, O. C., Wessely, S., Randomized controlled trial of brief cognitive behaviour therapy versus treatment as usual in recurrent deliberate self-harm: The POPMACT study, Psychological medicine, 33, 969-976,	Study design - no economic evaluation

Study	Reason for Exclusion
2003	
Van Roijen, L. H., Sinnaeve, R., Bouwmans, C., Van Den Bosch, L., Cost-effectiveness and Cost-utility of Shortterm Inpatient Dialectical Behavior Therapy for Chronically Parasuicidal BPD (Young) Adults, Journal of Mental Health Policy and Economics, 18, S19-S20, 2015	Conference abstract
van Spijker, B. A., Majo, M. C., Smit, F., van Straten, A., Kerkhof, A. J., Reducing suicidal ideation: cost-effectiveness analysis of a randomized controlled trial of unguided web-based self-help, Journal of medical Internet research, 14, e141, 2012	Not self-harm

## **Appendix K    Research recommendations – full details**

**Research recommendations for review question: What are the key principles of safer prescribing for people who have self-harmed?**

No research recommendations were made for this review question.