**Supplementary information**

Quality appraisals of reviewed literature

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| ***CASPa Systematic Review Quality Appraisal Tool: Literature reviews*** |
| **Paper and year published** | **Q1**Did the review address a clearly focused question? | **Q2**Did the authors look for the right type of papers? | **Q3**Do you think all the important, relevant studies were included? | **Q4**Did the review's authors do enough to assess quality of the included studies? | **Q5**If the results of the review have been combined, was it reasonable to do so? | **Q6**What are the overall results of the review? | **Q7**How precise are the results? | **Q8**Can the results be applied to the local population? | **Q9**Were all important outcomes considered? | **Q10**Are the benefits worth the harms and costs? |
| Freudenberg et al. 2006 | No | Can't tell | Can't tell | No | Can't tell | The impact of a fiscal crisis and the resulting cots of a subsequent syndemic of Tuberculosis, HIV and homicide  | Estimates | No | Yes | N/A |
| McFarlane 1993 | No | Yes | Can't tell | No | Yes | The negative impact of Reagan policies on public health services | Estimates | No | Yes | No |
| ***a*** *Critical Appraisal Skills Programme* |

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| ***JBIa Cross-Sectional Quality Appraisal Tool: Primary research papers*** |
| **Paper and year published** | **Q1**Were the criteria for inclusion in the sample clearly defined? | **Q2**Were the study subjects and the setting described in detail? | **Q3**Was the exposure measured in a valid and reliable way? | **Q4**Were objective, standard criteria used for the measurement of the condition?  | **Q5**Were confounding factors identified? | **Q6**Were strategies to deal with confounding factors stated? | **Q7**Were the outcomes measured in a valid and reliable way? | **Q8**Was appropriate statistical analysis used? |
| Anderson et al. 2017 | Yes | Yes | Yes | No | N/A | N/A | Yes | Yes |
| Chang et al. 2010 | Yes | Yes | Yes | Unclear | No | N/A | Yes | Yes |
| ***a*** *Joanne Briggs Institute* |

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| ***JBIa Text and Opinion Pieces Quality Appraisal Tool – journal published opinion pieces*** |
| **Paper and year published** | **Q1**Is the source of the opinion clearly identified? | **Q2**Does the source of opinion have standing in the fieldof expertise? | **Q3**Are the interests of the relevant population thecentral focus of the opinion? | **Q4**Is the stated position the result of an analyticalprocess, and is there logic in the opinion expressed?  | **Q5**Is there reference to the extant literature? | **Q6**Is any incongruence with the literature/sources logically defended? | **Q7**Is the opinion supported by peers? |
| Daube | Yes | Yes | Yes | Yes | No | No | Unclear |
|  |  |  |  |  |  |  |  |
| Iacobucci 2016 | Yes | No | Yes | No | No | No | Yes |
| Iacobucci 2014 | Yes | No | Yes | No | No | No | Yes |
| Mohammadi 2016 | Yes | No | Yes | Yes | No | No | Yes |
| White 2015 | Yes | No | Yes | No | No | No | Yes |
| ***a*** *Joanne Briggs Institute* |

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| ***AACODSa Checklist for grey literature*** |
| **Paper and year published** | **Authority** | **Accuracy** | **Coverageb** | **Objectivity**  | **Date** | **Significance** |
| Adfam 2017 | Yes | Yes | ? | Yes | Yes | Yes |
| Advisory Council on the Misuse of Drugs 2017 | Yes | Yes | Yes | Yes | Yes | Yes |
| Alcohol Concern 2013 | Yes | Yes | No | Yes | Yes | Yes |
| Alcohol Concern 2018 | Yes | Yes | No | ?  | Yes | Yes |
| Blenheim | Yes | No | No | ? | Yes | ? |
| British Medical Association 2018 | Yes | No | No | ? | Yes | Yes |
| Cook 2017 | Yes | Yes | Yes | Yes | Yes | Yes |
| Davies et al. 2016 | Yes | Yes | Yes | Yes | Yes | Yes |
| Drink and Drug News 2018  | ? | No | No | No | Yes | No |
| Robertson et al., 2017 | Yes | Yes | Yes | Yes | Yes | Yes |
| ***a*** *Authority Accuracy Coverage Objectivity Date Significance**b This refers to whether the literature explicitly states its focus (population, questions) and therefore acknowledges its limitation*  |