

APPENDIX C: METHODOLOGY: OVERVIEW OF LITERATURE:

Research questions:

1. What interventions are effective in preventing interpersonal or self-directed violence?
2. What are the risk and preventative factors for violence?

Inclusion criteria: systematic reviews and literature reviews of evaluation of public health interventions and best practice published from 2010 onwards; grey literature 2004 onwards; violence prevention and violence reduction; inter-personal and self-directed violence or abuse; violence in military personnel as a result of exposure to armed conflict; UK and international evidence; policy and strategy documents from government specific websites - Scotland, UK, USA, Australia, Canada, New Zealand, Scandinavia; English language only;

Exclusion criteria: prevalence; cost or economic assessment; pharmacological treatment interventions; side effects of medication that may cause violence or suicide; interventions or drug treatments for inpatients and/or sex offenders; interventions involving firearms only; healthcare staff views of violence; violence in the workplace; violence in the general population as a result of conflict, war, terrorism or political injustice.

Keywords:

domestic/intimate partner violence	child abuse/child neglect	suicide and self harm
gender based violence	youth violence	hate crime
disabled persons violence	gang violence	workplace violence
violence against elders/neglect or abuse	knife violence	religious violence
violence against LGBT	race violence/ violence against ethnic groups	alcohol and drugs/substance misuse
culture/social norms supporting violence	sexual assault/sexual violence	victim identification and support

Research questions, keywords and inclusion and exclusion criteria were drawn up by the researcher and lead author. The literature search was carried out by the NHS Health Scotland librarian with liaison with the researcher over which databases to search and the breadth of the grey literature search.

Search strategy:

The following databases were searched using keywords below and inclusion and exclusion criteria:

Google Advanced, using a range of terms (all limited to UK and PDF format); Ovid MEDLINE(R); Embase and Web of Science.

Analysis:

The literature was categorised as:

1. literature reviews (including grey literature) and systematic reviews on violence prevention and reduction and/or risk and preventative factors;
2. literature reviews and systematic reviews for the sub-groups of violence;
3. recent policy documents, strategies or briefings from the Scottish Government or UK government;
4. evaluations of interventions to reduce or prevent violence in Scotland.

Abstracts of journal articles and papers that answered the research questions were read by the researcher. Papers were categorised by sub-group of violence (e.g. youth violence; intimate partner violence). Exceptions were made to the publication date limit for Scottish specific evaluations of interventions or literature reviews, or for significant documents on the public health approach to violence prevention e.g. Krug et al (2002). Grey literature was categorised into policy, evaluations, literature reviews and 'other' papers, and categorised in terms of relevance to the research questions; publication date; and whether it was the most recent evidence or policy in this area;

Due to time and resource constraints of this work, papers were reviewed by one researcher only. The project group commented on drafts of the report.

Limitations:

The literature search was restricted to systematic and literature reviews; key international grey literature (World Health Organisation); and UK and Scottish specific grey literature, research and policy due to the volume of evidence for the research questions from each of the different sub-groups of violence.

Due also to the volume of evidence for the research questions, the dates of the search were set to search for evidence published after 2010, the publication date of the World Health Organisation's 'Violence Prevention: the evidence' (WHO 2010). Exceptions were made for Scottish specific evidence.

While the WHO definition of violence is used for the public health approach, there are different perceptions as to what violence is within society and communities e.g. young people can see low level violence as acceptable.

Search strategy:

Grey literature: Google Advanced, using a range of terms (all limited to UK and PDF format):

- Alcohol OR drugs OR substance misuse AND violen*
- “Child abuse” or “child neglect”
- Elder abuse
- Disabled or disability AND violen*
- “Domestic violence”
- Hate crime
- Gang*
- Gender Based Violence or GBV
- Honour AND crime*or killing* or violen*
- Intimate partner violence / IPV
- Knife AND violen*
- LGBT and violen*
- Older people AND neglect or abuse
- Race OR Religion OR Ethnic OR Ethnicity OR Black AND violen*
- Sexual AND Violence
- Suicide
- Self-harm
- Suicide AND Scotland
- Self-harm AND Scotland
- Violence AND ‘public health’
- Violence
- Victim* AND violen*
- Violence and Scotland
- Workplace AND violence
- Youth violence

Browse/ search of:

- Scottish Government Publications
- Search of NHS Health Scotland publications
- Search of gov.uk research and analysis publications (using violence, violent, abuse, gender, hate, LGBT, gay, lesbian)
- Search of WithScotland publications database
- Search across NSPCC using Google Advanced
- Search across Joseph Rowntree Foundation using Google Advanced
- Browse of Stonewall publications
- Browse of Institute of Race Relations
- Browse of Runnymede Trust
- Search of NatGen publications
- Browse of ILGA publications
- Browse of Mental Health Foundation publications
- Browse of WHO violence themed publications
- Browse of NICE guidelines

Database search:

Medline

Database: Ovid MEDLINE(R) 1946 to Present with Daily Update, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations <April 15, 2014>

- 1 exp *Violence/ or exp *Domestic Violence/ or exp *Workplace Violence/ (52143)
- 2 GBV.mp. (899)
- 3 gender based violence.mp. (289)
- 4 intimate partner violence.mp. (3088)
- 5 exp *Spouse Abuse/ (5127)
- 6 exp *Battered Women/ (1831)
- 7 exp *Sex Offenses/ (13613)
- 8 hate crime*.mp. (74)
- 9 exp *Suicide/ (32939)
- 10 exp *Suicide, Attempted/ or exp *Self Mutilation/ or exp *Self-Injurious Behavior/ (37499)
- 11 exp *Child Abuse/ (18816)
- 12 exp *Elder Abuse/ (1607)
- 13 exp *Violence/ (52143)
- 14 exp *Bisexuality/ or exp *Transsexualism/ or exp *Homosexuality/ or exp *Homosexuality, Female/ or exp *Homosexuality, Male/ (15667)
- 15 LGBT.mp. (277)
- 16 exp *Ethnic Groups/ or exp *Continental Population Groups/ (104714)
- 17 exp *Religion/ (29615)
- 18 gang.mp. (903)
- 19 knife.mp. (8088)
- 20 exp *Alcohol Drinking/ (30275)
- 21 exp *Substance-Related Disorders/ (167743)
- 22 exp *Street Drugs/ (6538)
- 23 exp *Adolescent/ (20125)
- 24 exp *Military Personnel/ (16773)
- 25 victim*.mp. (37419)
- 26 (culture or cultural or "social norm*").mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (715228)
- 27 exp Intervention Studies/ (6600)
- 28 intervention*.mp. (570020)
- 29 exp Risk Factors/ or exp Risk/ or risk*.mp. (1655314)
- 30 prevent*.mp. (983877)
- 31 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 (96788)
- 32 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 (1100273)
- 33 13 and 32 (13306)
- 34 31 or 33 (96788)
- 35 27 or 28 or 29 or 30 (2786158)
- 36 34 and 35 (35935)
- 37 limit 36 to yr="2010 -Current" (9600)
- 38 Meta-Analysis as Topic/ (13664)
- 39 meta analy\$.tw. (62027)
- 40 metaanaly\$.tw. (1302)
- 41 Meta-Analysis/ (47043)
- 42 (systematic adj (review\$1 or overview\$1)).tw. (52966)
- 43 exp Review Literature as Topic/ (7467)
- 44 or/38-43 (121026)

- 45 cochrane.ab. (30127)
- 46 embase.ab. (28750)
- 47 (psyclit or psychlit).ab. (889)
- 48 (psycinfo or psychinfo).ab. (11961)
- 49 (cinahl or cinhal).ab. (10112)
- 50 science citation index.ab. (1986)
- 51 bids.ab. (364)
- 52 cancerlit.ab. (579)
- 53 or/45-52 (51605)
- 54 reference list\$.ab. (9755)
- 55 bibliograph\$.ab. (11623)
- 56 hand-search\$.ab. (3935)
- 57 relevant journals.ab. (722)
- 58 manual search\$.ab. (2339)
- 59 or/54-58 (25379)
- 60 selection criteria.ab. (19744)
- 61 data extraction.ab. (9783)
- 62 60 or 61 (27949)
- 63 Review/ (1863940)
- 64 62 and 63 (18254)
- 65 Comment/ (579574)
- 66 letter/ (835773)
- 67 Editorial/ (352609)
- 68 animal/ (5282415)
- 69 human/ (13360592)
- 70 68 not (68 and 69) (3832931)
- 71 or/65-67,70 (5105291)
- 72 44 or 53 or 59 or 64 (152811)
- 73 72 not 71 (142990)
- 74 37 and 73 (413)
- 75 (evaluate or evaluation).m_titl. (345448)
- 76 37 and 75 (118)
- 77 74 or 76 (529)
- 78 remove duplicates from 77 (494)

Embase

Database: Embase <1974 to 2014 April 15>

- 1 exp *violence/ (63215)
- 2 exp *army/ (3007)
- 3 exp *navy/ (485)
- 4 exp *air force/ (469)
- 5 exp LGBT people/ (1109)
- 6 exp *homosexual female/ (17)
- 7 exp *male homosexuality/ or exp *homosexuality/ (10528)
- 8 exp *race/ (27421)
- 9 exp *ethnic group/ or exp *ethnicity/ (79548)
- 10 exp *alcohol consumption/ or exp *alcohol/ (103890)
- 11 exp *addiction/ or exp *substance abuse/ or exp *drug abuse/ (189679)
- 12 exp *religion/ (27189)
- 13 knife.mp. (12866)

- 14 exp *gang/ (43)
- 15 youth.mp. or exp *juvenile/ (241949)
- 16 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 (654959)
- 17 1 and 16 (6947)
- 18 exp *violence/ or exp *partner violence/ or exp *workplace violence/ or exp *gender based violence/ or exp *dating violence/ or exp *physical violence/ or exp *family violence/ or exp *domestic violence/ or exp *sexual violence/ (63215)
- 19 hate crime.mp. (61)
- 20 exp *suicide/ or exp *suicide attempt/ (32653)
- 21 exp *suicidal behavior/ (37943)
- 22 exp *child abuse/ (19184)
- 23 exp *elder abuse/ (446)
- 24 18 or 19 or 20 or 21 or 22 or 23 (99277)
- 25 17 or 24 (99277)
- 26 (culture or cultural or "social norm").mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword] (1177755)
- 27 1 and 26 (3073)
- 28 25 or 27 (99277)
- 29 "evaluat*".m_titl. (480508)
- 30 1 and 29 (1003)
- 31 28 or 30 (99277)
- 32 exp United Kingdom/ (324017)
- 33 1 and 32 (2744)
- 34 31 or 33 (99277)
- 35 limit 34 to (meta analysis or "systematic review") (683)
- 36 limit 35 to yr="2010 -Current" (349)

Web of Science

- 11 [101](#) #10 AND #9
Timespan=All years Search language=English
- 10 [Approximately 1,835,574](#) **TOPIC:** (risk* or prevent* or intervention)
Timespan=All years Search language=English
- 9 [338](#) #8 AND #7
Timespan=All years Search language=English
- 8 [Approximately 1,906,131](#) **TOPIC:** (domestic OR gang or GBV or "gender based violence" or IPV or "intimate partner" or sex* OR "hate crime" or suicide or "self harm" or victim* OR LGBT or homosexual or lesbian or gay or military or alcohol or drugs or "substance misuse*" or religion or race or ethnic* or workplace or knife or youth or "child abuse" or "child neglect" or "elder abuse" or "elder neglect" or culture or cultural or "social norm*")
Timespan=All years Search language=English
- 7 [923](#) **TITLE:** (violence)
Refined by: DOCUMENT TYPES: (REVIEW) AND
COUNTRIES/TERRITORIES: (USA OR DENMARK OR ENGLAND OR CANADA OR SCOTLAND OR SWEDEN OR WALES OR IRELAND OR NORWAY OR NORTH IRELAND OR NEW ZEALAND) AND **PUBLICATION YEARS:** (2012 OR 2011 OR 2013 OR 2010 OR 2014) AND **DOCUMENT TYPES:** (REVIEW)
Timespan=All years Search language=Auto
- 6 [923](#) **TITLE:** (violence)
Refined by: DOCUMENT TYPES: (REVIEW) AND
COUNTRIES/TERRITORIES: (USA OR DENMARK OR ENGLAND OR CANADA OR SCOTLAND OR SWEDEN OR WALES OR IRELAND OR NORWAY OR NORTH IRELAND OR NEW ZEALAND) AND **PUBLICATION YEARS:** (2012 OR 2011 OR 2013 OR 2010 OR 2014)
Timespan=All years Search language=Auto
- 5 [Approximately 2,178](#) **TITLE:** (violence)
Refined by: DOCUMENT TYPES: (REVIEW) AND
COUNTRIES/TERRITORIES: (USA OR DENMARK OR ENGLAND OR CANADA OR SCOTLAND OR SWEDEN OR WALES OR IRELAND OR NORWAY OR NORTH IRELAND OR NEW ZEALAND)
Timespan=All years Search language=Auto
- 4 [Approximately 3,142](#) **TITLE:** (violence)
Refined by: DOCUMENT TYPES: (REVIEW)
Timespan=All years Search language=Auto
- 3 [Approximately 17,418](#) **TITLE:** (violence)
Timespan=All years Search language=English
- 2 [Approximately 4,372](#) **TOPIC:** (violence)
Refined by: DOCUMENT TYPES: (REVIEW)
Timespan=All years Search language=Auto
- 1 [Approximately 41,230](#) **TOPIC:** (violence)
Timespan=All years Search language=English