Review title

Health and wellbeing harms experienced by adult victims of interpersonal violence: A scoping review protocol

Authors

Philippa Olive[1]

Lucy Hives[2]

Neil Wilson[2]

Rebecca Nowland[1]

Andrew Clegg[3]

1. School of Nursing, Faculty of Health and Wellbeing, University of Central Lancashire, Preston, UK.
2. Research Support Team, Faculty of Health and Wellbeing, University of Central Lancashire, Preston, UK
3. Evidence Synthesis, Health Implementation Science Team, School of Sport & Health Sciences, Faculty of Health and Wellbeing, University of Central Lancashire, Preston, UK

Corresponding Author:

Philippa Olive

POlive1@uclan.ac.uk

Acknowledgements

With many thanks to Research Collaborators Raeesa Jassat, Paul Boland, Joseph Spencer, Julie Cook and Danielle Christian (Research Support Team, Faculty of Health and Wellbeing, University of Central Lancashire, Preston, UK) for their invaluable contributions to screening and data extraction.

Andrew Clegg is part funded by the National Institute for Health Research Applied Research Collaboration North West Coast (ARC NWC). The views expressed in this publication are those of the author(s) and not necessarily those of the National Institute for Health Research or the Department of Health and Social Care.

Abstract

Objective: The purpose of this scoping review is to identify the extent of research exploring the health and wellbeing harms experienced by adult victims of different types of interpersonal violence.

Introduction: Interpersonal violence is defined as violence between individuals, it can take many forms and may be physical, sexual, psychological, coercive or deprivational in nature. Health and wellbeing harms from being subject to interpersonal violence are common and often endure. Interpersonal violence may cause physical injury, often has mental health impacts and is associated with greater risk for long-term medical conditions. Though a substantial body of research of health and wellbeing harms of different types of interpersonal violence exists, to date this has not been collated and mapped, this scoping review will address this gap.

Inclusion criteria: Peer-reviewed primary and secondary research studies, from 2000 to 2019 (in English) that address the negative effects of interpersonal violence on the health and wellbeing of adult victims will be included. Studies of group violence, military veterans and violence as acts of war will be excluded.

Methods: Six electronic databases (MEDLINE, CENTRAL, CINAHL, Embase, PsycINFO, SocINDEX) and web sources of specialist grey literature will be searched. Screening and data extraction will be assessed by independent researcher verification processes. Relevant studies and their characteristics will be summarised using a pre-designed data extraction form. Further data synthesis will be undertaken to produce a coherent and comprehensive map of research in the field, identify gaps and inform priorities for future directions of research and innovation.

Keywords: Interpersonal Violence; Health; Wellbeing; Scoping Review.

Abstract word count: 249

Total manuscript word count: 2692

Introduction

The World Health Organization classifies violence in three ways, as self-directed violence (violence against the self), interpersonal violence (violence between individuals) and collective violence (violence organised by and committed by groups).[1] Interpersonal violence has been further subdivided

to differentiate between family and intimate partner violence (partner, child and elder abuse) and community violence (violence between acquaintances or strangers)[1], although there is no globally agreed definitional consensus for these categories.[1,2]

Interpersonal violence can take many forms, and acts or threats of violence may be physical, sexual, psychological, coercive or deprivational in nature.[3-5] Prevalence rates of different types of interpersonal violence vary across time and place, exact figures are unknown because of gaps in data collection globally.[3] From data available, in 2012, there were an estimated 475,000 murders globally, one in three women had been a victim of intimate partner violence in their lifetime, one in four adults had been physically abused as a child and one in seventeen older adults had been a victim of abuse in the last month.[3]

Interpersonal violence has far-reaching impacts on victims. The type and extent of health and wellbeing harm caused by interpersonal violence varies depending on the type of interpersonal violence suffered, its severity, whether it has a sexual element to it and the relationship between victim and perpetrator.[2,6-7] Being subject to violence can result in health loss, functional capacity loss and/or disability, and which may endure long-term. Interpersonal violence accounts for 0.72% of deaths and 1% of Disability Adjusted Life Years globally.[8] However, the health burden of interpersonal violence is greatly underestimated because it is based solely on the impact from physical injuries incurred from physical interpersonal violence.[8-9]

Psychological traumatic stress is common following interpersonal violence, whether the violence was actualised or threatened.[7,10-12] Common mental health effects of interpersonal violence are post-traumatic stress disorder, anxiety and depression [7,12] and intimate partner and sexual violence have been associated with greater risk of long-term conditions (asthma, diabetes, cardiovascular disease).[13] Long term mental and physical health effects can result from physical or psychological injury, disability, ill-health, physiological stress system responses[12] or from adopting health risk behaviours to cope with lifechanging physical or psychological effects.[3] The health and wellbeing impacts of interpersonal violence may cause people to take time off from work or study resulting in economic losses and can cause difficulties in people's social relationships.[6]

Interpersonal violence was designated a major global public health issue in 1996[14]. Since then, a large and growing body of research has investigated the health and wellbeing harms of violence and many systematic reviews have been published. This existing research in the field, whether primary or secondary research, is often intentionally narrowly focused to answer evidence-based medicine-styled[15] research questions. In this vein, studies of health and wellbeing harms of interpersonal violence commonly examine associations for a defined health impact (e.g. post-traumatic stress disorder) for a particular type of violence (e.g. sexual), in a specific victim-perpetrator relationship set (e.g. intimate partners), in a particular setting (e.g. antenatal clinic) and for a discrete population (e.g. Latina women). This systematic scoping review differs in that it will identify and collate all the existing research about the health and wellbeing harms experienced by adult victims of interpersonal violence to produce a comprehensive mapping and summary of the field. A preliminary literature search (Medline, CINAHL, PsycINFO, SocINDEX, Cochrane Database of Systematic Reviews, and JBI Database for Systematic Reviews and Implementation Reports) did not find any scoping reviews of the whole field. This review will produce a clear overview of what is currently known, where knowledge gaps remain and identify areas in need of primary or secondary research and prevent unnecessary research

duplication in the future. The findings of the scoping review will aid prioritisation of future research and innovation. By extending the knowledge of the health and wellbeing harms of interpersonal violence care and intervention for victims can be more precisely targeted.

The purpose of this scoping review is to identify the extent of contemporary research exploring the health and wellbeing harms experienced by adult victims of different types of interpersonal violence. The research objectives of this study are to:

1. Collate, chart, map and summarise existing, research exploring the health and wellbeing harms experienced by adult victims of different types of interpersonal violence,
2. Identify gaps in the literature to inform future primary and secondary research studies.

The scoping review will establish the extent of what has been researched to date and where there are gaps. Further data synthesis of the research field will be undertaken to produce a coherent and comprehensive map of research in the field. The findings will be shared with research, professional and public stakeholders to collaboratively identify and prioritise future directions of research and innovation.

Review Question

What is the extent of research exploring the health and wellbeing harms experienced by adult victims of different types of interpersonal violence?

Inclusion criteria

Participants

The review will include studies in which the victims and perpetrators of interpersonal violence were adults, defined for this review as people aged 16 and over. The age of sixteen was selected in recognition that whilst legal age of adulthood varies over time and place, young people are deemed competent and primary rights-holders.[16] Studies of interpersonal violence focussing on children (aged 15 or younger) as either victims or perpetrators, and similarly, studies with a major focus on 'youth', 'young people, or 'adolescents' and victims and/or perpetrators aged 16 to 18 years but still in compulsory education will be excluded. Following guidance from systematic review experts, we will include studies with mixed-age participants (adults, young people and children) if, data are i) separated by age and could be extracted in accordance with our age inclusion criteria or ii) it can be established that 70% or more of the total sample were 16 years or older.[17] No upper age limit will be applied. We will include studies where the relationship between victim and perpetrator is a stranger, acquaintance, family member, partner, ex-partner or currently dating. Studies of military veterans as a cohort with specific (combat, war zones) violence exposures will be excluded. Likewise, studies framed as 'elder abuse' will be excluded because of its differently specified, definitional criteria.

Concept

Operational definition of health and wellbeing harms of interpersonal violence

The World Health Organization definitions of violence[11] and health[18] form the basis of operational definitions for the scoping review.

Interpersonal violence

The World Health Organization defines violence as: *"the intentional use of physical force or power, threatened or actual, against oneself, another person, or against a group or community, that either results in or has a high likelihood of resulting in injury, death, psychological harm, maldevelopment, or deprivation"*.[11(p.5)] There are four elements to this definition that have informed this scoping review. First is the requirement of intention of the perpetrator. Second, it includes all forms of non-physical as well as physical acts of violence. Third, acts of violence do not necessarily have to have been carried out, the targeted victim's experience of a threat of violence is enough for it to be classified as an act of violence. And fourth, an act of violence is also constituted by it causing or likely to cause harm, though the harm, for example psychological harm or maldevelopment, may not knowingly be experienced by the victim.

Health and wellbeing harms

For the operational definition of health and wellbeing harms we apply the World Health Organization's (WHO) definition of health[18] antithetically. This means that as the WHO described health as *'a state of complete physical, mental and social wellbeing, and not merely the absence of disease or infirmity*[18(p.1315)], for this scoping review a health and wellbeing harm is defined as any physical, mental and social adversity consequential to an act, or threat of, interpersonal violence. Victims' experiences of health and wellbeing harms of interpersonal violence and how they name them are very different.[5,10-12] and in recent times, social models of health and psycho-social comprehension of people's lived experience of health and wellbeing have emerged.[19] To take account of the range of people's lived experiences and health and wellbeing harm naming practices, the concept of health and wellbeing harms of interpersonal violence for this scoping review will be as broad as possible.

These definitions informed the scoping review search design, inclusion and exclusion criteria, data extraction, charting, mapping and synthesis plans.

Context

For this scoping review, interpersonal violence is understood as violence between two people, though we recognise that sometimes a small number of other people may be or become involved, for example friends in incidents of community or street violence and family members in incidents of family or partner violence. Acts of collective or group violence for example, gang violence, riots, acts of mass violence

and terrorism will be excluded. We will also exclude studies of self-directed violence (e.g. self-harm and suicide) unless this is an outcome of being subject to interpersonal violence.

Interpersonal violence settings will include the home, public spaces, college and university environments, offender institutions and prisons, clinical, health and social care settings, and the workplace. However, because of the requirement of intention to commit violence in the WHO's defintion[11], studies involving perpetrators of violent acts that lack capacity (e.g. dementia, psychosis) will be excluded. Studies of interpersonal violence in disaster, humanitarian and post-conflict zones, will be included. Studies of collective violence committed as acts of war in active warzones and against war-displaced populations in refugee camps will be excluded. There will be no other limits on type of violence and violence settings.

Types of sources

This scoping review will consider any peer-reviewed, primary (quantitative, qualitative or mixed method) and secondary (systematic review, qualitative meta-analysis or evidence synthesis) research designs, other types of documents are excluded. Searches will be limited to those written in English and since the year 2000. This time-period reflects the paradigm shift to violence as a public health issue as declared by the World Health Assembly in 1996[14] and the publication of the first World Report on Violence and Health in 2002.[11]

Methods

This scoping review will follow the JBI methodology for scoping reviews[20] and the new PRISMA Extension for Scoping Reviews checklist.[21] A draft protocol was circulated to the research team to make amendments before being finalised. It is not expected that the protocol will be amended further, except for improvements to the search strategy and data extraction tool, due to their iterative nature. Any changes will be detailed in the final scoping review document.

Search strategy

The search strategy had pre-design support from an information specialist. Key concepts from the research question and operational definitions were applied to inform the search design and augmented by team discussions and examination of previous research to develop a comprehensive, yet considered, list of keywords. These keywords were used to identify Subject Headings for each database. This was an iterative process with related words, found whilst searching the literature, also added to the search strategy and tested. The search strategy was designed in expectation of large returns due to the range of types of interpersonal violence and breadth of health and wellbeing harms included. Correspondingly, search terms, fields of search, Boolean operator and strings were selected to balance sensitivity and specificity in line with the review question, aim and objectives. The final search strategy used in PsycINFO is presented in **Appendix I**. This search strategy illustrates a comprehensive

set of keywords and subject headings to ensure capture of breadth of health and wellbeing harms of interpersonal violence. To address reproducibility across databases, keywords and Subject Headings were cross-checked and amended for each database.

Information sources

To identify sources of information we will search for peer-reviewed publications referenced in 6 major electronic databases for Health, Medicine, Psychology and the Social Sciences: MEDLINE, CENTRAL, CINAHL, Embase, PsycINFO, SocINDEX with Full Text, from 2000 to December 2019. Specialist global organisations' websites, for example Futures Without Violence and WHO Violence Prevention Alliance and Violence Prevention Units, will be searched, as sources of grey literature, for reports of peer-reviewed, primary and secondary research studies. References and citations of articles chosen for inclusion in the scoping review will also be searched.

Study selection

A database of all identified studies will be created and managed in EndNote (version X9, Clarivate Analytics, Philadelphia, PA). Duplicate references will be deleted, firstly using the Endnote 'find duplicates' function, and then manually. It is expected that the search will produce a large number (> 40,000) of articles. Due to finite resources, the first 10 titles and abstracts will be reviewed independently by all team members to allow discussion on the screening and their level of agreement. Any disagreements will be discussed and, once consensus is reached, the remaining titles and abstracts will be screened by one reviewer. As an extra precaution, those references that are excluded by the single reviewer will be double-checked by a second reviewer. Full-text articles will be obtained for any papers deemed relevant at this stage. Similarly, full text articles will be screened by one reviewer and any excluded by the single reviewer will be double-checked by a second reviewer. A third reviewer will be available, to help achieve consensus, if necessary. The study identification and selection process will be presented in a Prisma Flow diagram and we will report on inter-rater verification processes.

Data extraction

The initial data extraction tool is presented in **Appendix II**. This tool has essential (paper information; study design; location of study / participants; victim population; interpersonal violence; health and wellbeing harm) and desirable (context, setting, temporality, frequency; severity; perpetrator; harm measurement tool) data extraction categories. The data extraction tool will be entered into an IBM SPSS® Statistics (version 27, IBM Corp., Armonk, NY) file for collection of data from the included studies. The first five full-text articles will be reviewed independently by all team members using the data extraction tool to i) test that the tool is fit for purpose and ii) establish reliability of data extraction across team members. The data extraction form is likely to be further edited when used at the review stage to include additional relevant information, and this will be detailed in the final scoping review paper. The final data extraction tool will be included in the scoping review appendices. Discrepancies

in data extraction will be solved through discussion. A third reviewer will be available, to help achieve consensus, if necessary, and if required, the data extraction tool will be revised and piloted using the next five full-text articles. Full-text review reliability will be assessed by independent verification of 5% of all team members' reviews. Authors of papers will be contacted to request details of any essential missing information.

Data presentation

The review will include a descriptive summary of the number and characteristics of included articles. It will answer the research question by mapping the research in this area. Data synthesis will permit comparisons across how different types of interpersonal violence, in different contexts and between people with differing relationships may result in different health and wellbeing harms and how these have been researched since the year 2000. Steps in the process of data synthesis will involve:

1. Collating studies by the Health and Wellbeing Harms, Type of Violence and Victim -Perpetrator Information and producing headline findings in infographic format.
2. Mapping of studies across Health and Wellbeing Harms and measures used, Type of Violence, Victim and Perpetrator Information and Research Design and producing network maps of the body of evidence by violence type and research design.
3. Mapping of studies by Country or Multi-Country or Region of victim participant location, Type of Violence, Victim and Perpetrator Information, Health and Wellbeing Domains (including subdomains) and Research Design using geo-mapping technology software to compare research undertaken to date across different locations worldwide.
4. Inputting full-text articles as cases into NVivo software to produce counts and visual WordCloud of terms used for health and wellbeing harms across the included studies to identify the range of terms used for types of interpersonal violence and health and wellbeing harms and inform future research and search strategies.
5. Identification of the extent of knowledge and knowledge gaps in the field and sufficiency of evidence for future systematic reviews, qualitative meta-analysis and/or evidence syntheses.

Acknowledgements

(Included in title page)

Funding

The scoping review, under research programme titled, 'Health harms and altered health and wellbeing experiences associated with different types of violence', is funded by a Wellcome Trust Small Grant in Humanities and Social Science. Grant Reference: 215870/Z/19/Z. The protocol is registered with the Open Science Framework Registry.

Conflict of Interest

The authors declare no conflict of interest.

References

1. Dahlberg LL, Krug EG, Chapter 1. Violence - a global public health problem. In: Krug EG, Dahlberg LL, Mercy JA, Zwi, AB, Lozano R, editors. World Health Organization: World Report on Violence and Health. Geneva: World Health Organization; 2002 [cited 2020 Jan 09]. Available from: https://www.who.int/violence_injury_prevention/violence/world_report/en/
2. Walby S, Towers J, Balderston S, Corradi C, Francis B, Heiskanen M, et al. The concept and measurement of violence against women and men. Bristol: Policy Press; 2017. 136 p.
3. World Health Organization (2014) Global Status Report on Violence Prevention 2014. Geneva: World Health Organization. [cited 2020 Sep 03]. Available from: https://www.who.int/violence_injury_prevention/violence/status_report/2014/en/
4. Merry SE. Gender Violence: A Cultural Perspective. Chichester: Wiley Blackwell; 2009. 224 p.
5. Stark E. Coercive Control: How Men Entrap Women in Personal Life. New York. Oxford University Press; 2007, 452 p.
6. Walby S, Olive, P. Estimating the Costs of Gender-Based Violence in the European Union [Internet]. 2014 [cited 2019 Nov 14]; Vilnius: European Institute for Gender Equality. Available from: http://eige.europa.eu/content/document/estimating-the-costs-of-gender-based-violence-in-the-european-union-report
7. Forbes D, Lockwood E, Phelps A, Wade D, Creamer M, Bryant RA, et al. Trauma at the hands of another: distinguishing PTSD patterns following intimate and nonintimate interpersonal and noninterpersonal trauma in a nationally representative sample. Journal of Clinical Psychiatry. 2014; 75:147–153.
8. Institute of Health Metrics and Evaluation, Global Burden of Disease Compare [Internet]. 2019 [cited 2019 Nov 13]; IHME. Available from: http://www.healthdata.org/data-visualization/gbd-compare
9. Haagsma JA, Graetz N, Bolliger I, Naghavi M, Higashi H, Mullany EC, et al. The global burden of injury: incidence, mortality, disability-adjusted life years and time trends from the Global Burden of Disease study 2013. Injury Prevention. 2016; 22(1):3-18.
10. Olive P. First Contact: Acute stress reactions and experiences of emergency department consultations following an incident of intimate partner violence. Journal of Clinical Nursing. 2016; 26:2317 – 2327
11. Krug EG, Dahlberg LL, Mercy JA, Zwi, AB, Lozano R, editors. World Health Organization: World Report on Violence and Health. Geneva: World Health Organization; 2002 [cited 2020 Jan 09]. Available from: https://www.who.int/violence_injury_prevention/violence/world_report/en/
12. World Health Organization. Global and regional estimates of violence against women: prevalence and health effects of intimate partner violence and non-partner sexual violence [Internet]. 2013 [cited 2020 Jan 09]; WHO. Available from: http://apps.who.int/iris/bitstream/10665/85239/1/9789241564625_eng.pdf
13. Black MC, Basile KC, Breiding MJ, Smith SG, Walters ML, Merrick MT, et al. The National Intimate Partner and Sexual Violence Survey (NISVS) 2010. Atlanta, Georgia: National

Center for Injury Prevention and Control, Centers for Disease Control and Prevention; 2011 [cited 2020 Sep 04]. Available from: http://www.cdc.gov/ViolencePrevention/pdf/NISVS_Report2010-a.pdf

14. World Health Assembly. Resolution WHA49.25 Prevention of violence: a public health priority [Internet]. 1996 May 20-25 [cited 2020 Jan 10]; World Health Organization. Available from: https://www.who.int/violence_injury_prevention/resources/publications/en/WHA4925_eng.pdf
15. Sackett D, Richardson WS, Rosenburg W, Haynes RB. How to practice and teach evidence based medicine. 2nd edition. Edinburgh: Churchill Livingstone; 1997. 280 p.
16. United Nations General Assembly Convention on the rights of the child. [Internet]. 1989 Nov 20 [cited 2020 May 27]. Available from: https://www.refworld.org/docid/3ae6b38f0.html
17. Doherty A, Hastings R, Hatton C, Hood K, James-Jenkinson L, Leavey R, et al. Barriers and facilitators to primary health care services for physical and / or mental health issues experienced by adolescents and adults either with intellectual disabilities (only), with intellectual disabilities and autism, or with autism (only): an integrative review. [Internet]. 2018 Jul 17 [cited 2020 May 27]; PROSPERO 2018 CRD42018103103 Available from: https://www.crd.york.ac.uk/prospero/display_record.php?ID=CRD42018103103
18. World Health Organization. Constitution of the World Health Organization. American Journal of Public Health. 1946; 36(11):1315-1323.
19. Linton M-J, Dieppe P, Medina-Lara A. Review of 99 self-report measures for assessing wellbeing in adults: exploring dimensions of well-being and developments over time. BMJ Open. 2016; 6:e010641.
20. Peters MDJ, Godfrey C, Kahlil H, McInerney P, Baldini Soares C, Parker D. Guidance for conducting systematic scoping reviews. Int J Evid Based Healthc. 2015; 13(3):141-146.
21. Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA extension for scoping reviews (PRISMA-ScR): checklist and explanation. Ann Intern Med. 2018;169(7):467-473

Appendix I: Search strategy

PsycINFO search strategy

#	Search	Results
1	DE "Intimate Partner Violence" OR DE "Domestic Violence" OR DE "Dating Violence" OR DE "Exposure to Violence" OR DE "Workplace Violence" OR DE "Physical Abuse" OR DE "Battered Females" OR DE "Torture" OR DE "Aggressive Behavior" OR DE "Hate Crimes" OR DE "Verbal Abuse" OR DE "Threat" OR DE "Coercion" OR DE "Emotional Abuse" OR DE "Patient Abuse" OR DE "Patient Abuse" OR DE "Prisoner Abuse" OR DE "Abuse of Power" OR DE "Relational Aggression" OR DE "Bullying" OR DE "Cyberbullying" OR DE "Microaggression" OR DE "Harassment" OR DE "Sexual Harassment" OR DE "Stalking" OR DE "Sexual Abuse" OR DE "Rape" OR DE "Acquaintance Rape" OR TI (violence OR abuse OR IPV OR torture OR Assault OR Rape OR “Interpersonal trauma” OR batter OR mistreatment OR maltreatment OR aggression OR harassment OR stalking OR bullying OR neglect OR threat* OR “coercive control”)	151,420
2	DE "Health" OR DE "Health Status" OR DE "Health Outcomes" OR DE "Holistic Health" OR DE "Symptoms" OR DE "Acting Out" OR DE "Anesthesia (Feeling)" OR DE "Anhedonia" OR DE "Anoxia" OR DE "Aphagia" OR DE "Apraxia" OR DE "Asthenia" OR DE "Ataxia" OR DE "Aura" OR DE "Automatism" OR DE "Body Rocking" OR DE "Catalepsy" OR DE "Catatonia" OR DE "Coma" OR DE "Delirium" OR DE "Depersonalization" OR DE "Diagnostic Criteria" OR DE "Distractibility" OR DE "Dyskinesia" OR DE "Dyspnea" OR DE "Edema" OR DE "Externalizing Symptoms" OR DE "Extrapyramidal Symptoms" OR DE "Fatigue" OR DE "Headache" OR DE "Health Complaints" OR DE "Hematoma" OR DE "Hemorrhage" OR DE "Hyperglycemia" OR DE "Hyperkinesis" OR DE "Hyperphagia" OR DE "Hyperthermia" OR DE "Hyperventilation" OR DE "Hypoglycemia" OR DE "Hypothermia" OR DE "Infantilism" OR DE "Insomnia" OR DE "Internalizing Symptoms" OR DE "Nausea" OR DE "Pain" OR DE "Positive and Negative Symptoms" OR DE "Prodrome" OR DE "Pruritus" OR DE "Psychiatric Symptoms" OR DE "Respiratory Distress" OR DE "Restlessness" OR DE "Scratching" OR DE "Seizures" OR DE "Shock" OR DE "Somatization" OR DE "Spasms" OR DE "Syncope" OR DE "Tics" OR DE "Tremor" OR DE "Underweight" OR DE "Vertigo" OR DE "Vomiting" OR DE "Atypical Disorders" OR DE "Atypical Depression" OR DE "Health Impairments" OR DE "Mental Health" OR DE "Mental Status" OR DE "Mental Disorders" OR DE "Borderline States" OR DE "Thought Disturbances" OR DE "Affective Disorders" OR DE "Anxiety Disorders" OR DE "Autism Spectrum Disorders" OR DE "Bipolar Disorder" OR DE "Chronic Mental Illness" OR DE "Dissociative Disorders" OR DE "Eating Disorders" OR DE "Gender Dysphoria" OR DE "Mental Disorders due to General Medical Conditions" OR DE "Neurocognitive Disorders" OR DE "Neurodevelopmental Disorders" OR DE "Neurosis" OR DE "Paraphilias" OR DE "Personality Disorders" OR DE "Psychosis" OR DE "Sleep Wake Disorders" OR DE "Somatoform Disorders" OR DE "Stress and Trauma Related Disorders" OR DE "Substance Related and Addictive Disorders" OR DE "Anxiety Disorders" OR DE "Castration Anxiety" OR DE "Death Anxiety" OR DE "Generalized Anxiety Disorder" OR DE "Obsessive Compulsive Disorder" OR DE "Panic Attack" OR DE "Panic Disorder" OR DE "Phobias" OR DE "Separation Anxiety Disorder" OR DE "Trichotillomania" OR DE "Major Depression" OR DE "Anaclitic Depression" OR DE "Dysthymic Disorder" OR DE "Endogenous Depression" OR DE "Late Life Depression" OR DE "Postpartum Depression" OR DE "Reactive Depression" OR DE "Recurrent Depression" OR DE "Treatment Resistant Depression" OR DE "Stress" OR DE "Stress and Trauma Related Disorders" OR DE "Acute Stress Disorder" OR DE "Adjustment Disorders" OR DE "Attachment Disorders" OR DE "Posttraumatic Stress Disorder" OR DE "Post-Traumatic Stress" OR DE "Bipolar Disorder" OR DE "Bipolar I Disorder" OR DE "Bipolar II Disorder" OR DE "Cyclothymic Disorder" OR DE "Mania" OR DE "Mania" OR DE "Hypomania" OR DE "Chronic Psychosis" OR DE "Affective Disorders" OR DE	4,425,250

	"Disruptive Mood Dysregulation Disorder" OR DE "Major Depression" OR DE "Seasonal Affective Disorder" OR DE "Memory Disorders" OR DE "Amnesia" OR DE "Acute Psychosis" OR MM "Psychosis" OR MM "Affective Psychosis" OR DE "Alcoholic Psychosis" OR MM "Capgras Syndrome" OR MM "Hallucinosis" OR MM "Postpartum Psychosis" OR DE "Reactive Psychosis" OR DE "Schizophrenia" OR DE "Acute Schizophrenia" OR DE "Catatonic Schizophrenia" OR DE "Childhood Schizophrenia" OR DE "Paranoid Schizophrenia" OR DE "Process Schizophrenia" OR DE "Schizoaffective Disorder" OR DE "Schizophrenia (Disorganized Type)" OR DE "Schizophreniform Disorder" OR DE "Undifferentiated Schizophrenia" OR DE "Sleep Wake Disorders" OR DE "Hypersomnia" OR DE "Insomnia" OR DE "Narcolepsy" OR DE "Parasomnias" OR DE "Sleep Apnea" OR DE "Sleepwalking" OR DE "Somatoform Disorders" OR DE "Body Dysmorphic Disorder" OR DE "Conversion Disorder" OR DE "Factitious Disorders" OR DE "Hypochondriasis" OR DE "Hysteria" OR DE "Neurasthenia" OR DE "Neurodermatitis" OR DE "Somatization Disorder" OR DE "Somatoform Pain Disorder" OR DE "Substance Related and Addictive Disorders" OR DE "Nonsubstance Related Addictions" OR DE "Substance Use Disorder" OR DE "Substance Use Disorder" OR DE "Addiction" OR DE "Alcohol Use Disorder" OR DE "Cannabis Use Disorder" OR DE "Drug Abuse" OR DE "Drug Dependency" OR DE "Inhalant Abuse" OR DE "Opioid Use Disorder" OR DE "Tobacco Use Disorder" OR DE "Dissociative Disorders" OR DE "Depersonalization" OR DE "Depersonalization/Derealization Disorder" OR DE "Dissociative Amnesia" OR DE "Dissociative Identity Disorder" OR DE "Fugue Reaction" OR DE "Sensory Integration Dysfunction" OR DE "Chronic Mental Illness" OR DE "Chronic Psychosis" OR DE "Traumatic Neurosis" OR MM "Avoidant Personality Disorder" OR MM "Dependent Personality Disorder" OR MM "Paranoid Personality Disorder" OR MM "Schizoid Personality Disorder" OR MM "Schizotypal Personality Disorder" OR MM "Depression (Emotion)" OR DE "Major Depression" OR DE "Stress" OR MM "Chronic Stress" OR DE "Psychological Stress" OR DE "Thought Disturbances" OR DE "Confabulation" OR DE "Delusions" OR DE "Fantasies (Thought Disturbances)" OR DE "Fragmentation (Schizophrenia)" OR DE "Judgment Disturbances" OR DE "Magical Thinking" OR DE "Memory Disorders" OR DE "Obsessions" OR DE "Perseveration" OR DE "Health Anxiety" OR DE "Anxiety" OR DE "Forgetting" OR DE "Episodic Memory" OR DE "False Memory" OR DE "Long Term Memory" OR DE "Memory Decay" OR DE "Repressed Memory" OR DE "Retrospective Memory" OR DE "Short Term Memory" OR DE "Visual Memory" OR DE "Memory" OR DE "Hallucinations" OR DE "Auditory Hallucinations" OR DE "Visual Hallucinations" OR DE "Stress Reactions" OR DE "Place Disorientation" OR DE "Paranoia (Psychosis)" OR DE "Occupational Health" OR DE "Physical Mobility" OR DE "Speech Disorders" OR DE "Aphasia" OR DE "Articulation Disorders" OR DE "Dysphonia" OR DE "Echolalia" OR DE "Mutism" OR DE "Stuttering" OR DE "Functional Status" OR DE "Physical Health" OR DE "Oral Health" OR DE "Dental Health" OR DE "Heart Rate" OR DE "Heart Rate Variability" OR DE "Body Mass Index" OR DE "Blood Pressure" OR DE "Diastolic Pressure" OR DE "Systolic Pressure" OR DE "Headache" OR DE "Migraine Headache" OR DE "Muscle Contraction Headache" OR DE "Nutritional Deficiencies" OR DE "Protein Deficiency Disorders" OR DE "Starvation" OR DE "Vitamin Deficiency Disorders" OR DE "Overweight" OR DE "Obesity" OR MM "Underweight" OR DE "Weight Gain" OR DE "Weight Loss" OR DE "Physiological Stress" OR DE "Disorder Attributes" OR DE "Adventitious Disorders" OR DE "Chronic Illness" OR DE "Chronic Fatigue Syndrome" OR DE "Chronic Pain" OR DE "Eating Disorders" OR DE "Anorexia Nervosa" OR DE "Binge Eating Disorder" OR DE "Bulimia" OR DE "Feeding Disorders" OR DE "Hyperphagia" OR DE "Kleine Levin Syndrome" OR DE "Pica" OR DE "Purging (Eating Disorders)" OR DE "Rumination (Eating)" OR DE "Heart Disorders" OR DE "Angina Pectoris" OR DE "Arrhythmias (Heart)" OR DE "Coronary Thromboses" OR DE "Myocardial Infarctions" OR DE "Cardiovascular Disorders" OR DE "Aneurysms" OR DE "Arteriosclerosis" OR DE "Blood Pressure	

	Disorders" OR DE "Cerebrovascular Disorders" OR DE "Embolisms" OR DE "Heart Disorders" OR DE "Hemorrhage" OR DE "Hypertension" OR DE "Ischemia" OR DE "Thromboses" OR DE "Physical Disorders" OR DE "Blood and Lymphatic Disorders" OR DE "Cachexia" OR DE "Cardiovascular Disorders" OR DE "Chronically Ill Children" OR DE "Digestive System Disorders" OR DE "Endocrine Disorders" OR DE "Genetic Disorders" OR DE "Health Impairments" OR DE "Immunologic Disorders" OR DE "Infectious Disorders" OR DE "Metabolism Disorders" OR DE "Musculoskeletal Disorders" OR DE "Neonatal Disorders" OR DE "Neoplasms" OR DE "Nervous System Disorders" OR DE "Nutritional Deficiencies" OR DE "Physical Disfigurement" OR DE "Respiratory Tract Disorders" OR DE "Sense Organ Disorders" OR DE "Sensory System Disorders" OR DE "Skin Disorders" OR DE "Toxic Disorders" OR DE "Urogenital Disorders" OR DE "Vision Disorders" OR DE "Work Related Illnesses" OR DE "Injuries" OR DE "Head Injuries" OR DE "Brain Concussion" OR DE "Burns" OR DE "Wounds" OR DE "Traumatic Brain Injury" OR DE "Brain Concussion" OR DE "Trauma" OR DE "Sexual Health" OR DE "Sexually Transmitted Diseases" OR DE "AIDS" OR DE "Gonorrhea" OR DE "HIV" OR DE "Herpes Genitalis" OR DE "Syphilis" OR DE "Reproductive Health" OR DE "Genital Disorders" OR DE "Endocrine Sexual Disorders" OR DE "Gynecological Disorders" OR DE "Infertility" OR DE "Male Genital Disorders" OR DE "Pregnancy" OR DE "Pregnancy Outcomes" OR DE "Birth Weight" OR DE "Sexual Function Disturbances" OR DE "Dyspareunia" OR DE "Erectile Dysfunction" OR DE "Female Sexual Dysfunction" OR DE "Inhibited Sexual Desire" OR DE "Premature Ejaculation" OR DE "Priapism" OR DE "Vaginismus" OR DE "Well Being" OR DE "Spiritual Well Being" OR DE "Mental Illness (Attitudes Toward)" OR DE "Emotional Trauma" OR DE "Moral Injury" OR DE "Posttraumatic Growth" OR DE "Sadness" OR DE "Health Anxiety" OR DE "Emotional Adjustment" OR DE "Emotional Control" OR DE "Identity Crisis" OR DE "Self-Actualization" OR DE "Self-Perception" OR DE "Self-Concept" OR DE "Self-Confidence" OR DE "Self-Blame" OR DE "Self-Stigma" OR DE "Self-Congruence" OR DE "Self-Esteem" OR DE "Self-Regard" OR DE "Gender Identity" OR DE "Sense of Coherence" OR DE "Personality" OR DE "Self-Control" OR DE "Self-Efficacy" OR DE "Self-Determination" OR DE "Emotions" OR DE "Contempt" OR DE "Desire" OR DE "Emotional Content" OR DE "Emotional Disturbances" OR DE "Emotional Regulation" OR DE "Emotional States" OR DE "Emotional Style" OR DE "Expressed Emotion" OR DE "Forgiveness" OR DE "Negative Emotions" OR DE "Positive Emotions" OR DE "Shock" OR DE "Emotional States" OR DE "Affection" OR DE "Agitation" OR DE "Alienation" OR DE "Ambivalence" OR DE "Anger" OR DE "Anxiety" OR DE "Apathy" OR DE "Aversion" OR DE "Belonging" OR DE "Bereavement" OR DE "Boredom" OR DE "Catastrophizing" OR DE "Contentment" OR DE "Depression (Emotion)" OR DE "Disappointment" OR DE "Disgust" OR DE "Dissatisfaction" OR DE "Distress" OR DE "Doubt" OR DE "Embarrassment" OR DE "Emotional Trauma" OR DE "Enthusiasm" OR DE "Euphoria" OR DE "Euthymia" OR DE "Fear" OR DE "Frustration" OR DE "Gratitude" OR DE "Greed" OR DE "Grief" OR DE "Guilt" OR DE "Happiness" OR DE "Helplessness" OR DE "Homesickness" OR DE "Hope" OR DE "Hopelessness" OR DE "Jealousy" OR DE "Loneliness" OR DE "Love" OR DE "Mania" OR DE "Mental Confusion" OR DE "Morale" OR DE "Optimism" OR DE "Passion" OR DE "Pessimism" OR DE "Pleasure" OR DE "Pride" OR DE "Psychological Engagement" OR DE "Regret" OR DE "Restlessness" OR DE "Sadness" OR DE "Shame" OR DE "Solidarity" OR DE "Suffering" OR DE "Suspicion" OR DE "Sympathy" OR DE "Nervousness" OR DE "Cognitive Processes" OR DE "Awareness" OR DE "Judgment" OR DE "Resilience (Psychological)" OR DE "Emotional Adjustment" OR DE "Empowerment" OR DE "Emotional Security" OR DE "Self-Presentation" OR DE "Responsibility" OR DE "Motivation" OR DE "Extrinsic Motivation" OR DE "Intrinsic Motivation" OR DE "Self-Expansion" OR DE "False Beliefs" OR DE "Suicidal Ideation" OR DE "Pain" OR DE "Aphagia" OR DE "Back Pain" OR DE "Chronic Pain" OR DE "Headache" OR DE "Myofascial Pain" OR DE "Neuralgia" OR DE "Neuropathic Pain" OR DE "Somatoform Pain Disorder" OR DE	

	"Physical Illness (Attitudes Toward)" OR DE "AIDS (Attitudes Toward)" OR DE "Physical Comfort" OR DE "Appetite" OR DE "Dependency (Personality)" OR DE "Dignity" OR DE "Self-Destructive Behavior" OR DE "Self-Injurious Behavior" OR DE "Suicide" OR DE "Addiction" OR DE "Drug Addiction" OR DE "Alcohol Abuse" OR DE "Alcoholism" OR DE "Binge Drinking" OR DE "Alcohol Intoxication" OR DE "Stress and Coping Measures" OR DE "Health Care Utilization" OR DE "Health Care Access" OR DE "Health Care Seeking Behavior" OR DE "Help Seeking Behavior" OR DE "Self-Care Skills" OR DE "Activities of Daily Living" OR DE "Sleep Deprivation" OR DE "Eating Behavior" OR DE "Food Refusal" OR DE "Binge Eating" OR DE "Dietary Restraint" OR DE "Drug Seeking" OR DE "Goals" OR DE "Decision Making" OR DE "Intuition" OR DE "Problem Solving" OR DE "Drug Therapy" OR DE "Self-Medication" OR DE "Tobacco Smoking" OR DE "Electronic Cigarettes" OR DE "Passive Smoking" OR DE "Smokeless Tobacco" OR DE "Attempted Suicide" OR DE "Suicidality" OR DE "Habits" OR DE "Nail Biting" OR DE "Thumbsucking" OR DE "Trichotillomania" OR DE "Lifestyle" OR DE "Active Living" OR DE "Lifestyle Changes" OR DE "Performance" OR DE "Job Performance" OR DE "Employee Efficiency" OR DE "Employee Productivity" OR DE "Productivity" OR DE "Behavior" OR DE "Behavior Change" OR DE "Behavior Problems" OR DE "Coping Behavior" OR DE "Drinking Behavior" OR DE "Health Behavior" OR DE "Sedentary Behavior" OR DE "Self-Defeating Behavior" OR DE "Risk Taking" OR DE "Psychological Reactance" OR DE "Resistance" OR DE "Adaptive Behavior" OR DE "Avoidance" OR DE "Experiential Avoidance" OR DE "Illness Behavior" OR DE "Achievement Motivation" OR DE "Aspirations" OR DE "Compulsions" OR DE "Repetition Compulsion" OR DE "Endurance" OR DE "Physical Endurance" OR DE "Physical Fitness" OR DE "Psychological Endurance" OR DE "Adjustment" OR DE "Occupational Adjustment" OR DE "Agency" OR DE "Performance Anxiety" OR DE "Concentration" OR DE "Thinking" OR DE "Thought Suppression" OR DE "Imagination" OR DE "Social Anxiety" OR DE "Speech Anxiety" OR DE "Social Stress" OR DE "Social Motivation" OR DE "Social Support" OR DE "Social Acceptance" OR DE "Social Networks" OR DE "Online Social Networks" OR DE "Social Mobility" OR DE "Social Skills" OR DE "Social Phobia" OR DE "Social Approval" OR DE "Social Isolation" OR DE "Social Interaction" OR DE "Social Discrimination" OR DE "Social Anxiety" OR DE "Social Identity" OR DE "Trust (Social Behavior)" OR DE "Social Status" OR DE "Social Motivation" OR DE "Social Behavior" OR DE "Social Cognition" OR DE "Marital Satisfaction" OR DE "Relationship Satisfaction" OR DE "Role Satisfaction" OR DE "Social Interaction" OR DE "Interpersonal Interaction" OR DE "Employee Interaction" OR DE "Group Dynamics" OR DE "Group Participation" OR DE "Interpersonal Communication" OR DE "Intimacy" OR DE "Male Female Relations" OR DE "Participation" OR DE "Peer Relations" OR DE "Psychological Distance" OR DE "Relationship Quality" OR DE "Interpersonal Communication" OR DE "Independence (Personality)" OR DE "Body Language" OR DE "Eye Contact" OR DE "Friendship" OR DE "Role Perception" OR DE "Isolation (Defense Mechanism)" OR DE "Social Acceptance" OR DE "Social Cognition" OR DE "Social Communication" OR DE "Social Behavior" OR DE "Social Deprivation" OR DE "Retaliation" OR DE "Psychosocial Outcomes" OR DE "Psychosocial Assessment" OR DE "Environmental Stress" OR DE "Financial Strain" OR DE "Job Satisfaction" OR DE "Life Satisfaction" OR DE "Need Satisfaction" OR DE "Achievement" OR DE "Failure" OR DE "Quality of Life" OR DE "Health Related Quality of Life" OR DE "Quality of Work Life" OR DE "Job Security" OR DE "Employment Status" OR DE "Unemployment" OR DE "Employability" OR DE "Home Environment" OR DE "Living Arrangements" OR DE "Economic Security" OR DE "Life Changes" OR DE "Needs" OR DE "Health Service Needs" OR DE "Psychological Needs" OR DE "Special Needs" OR DE "Religious Beliefs" OR DE "Faith" OR DE "Religiosity" OR DE "Religious Affiliation" OR DE "Sex Drive" OR DE "Sexual Satisfaction" OR DE "Premature Birth" OR DE "Spontaneous Abortion" OR TI (Health OR Ill* OR Symptom OR Disorder OR Disease OR Infection OR Infected OR Syndrome OR Impairment OR Dysfunction or Mental	

	OR Psychological OR Anxi* OR Depress* OR Stress* OR PTSD OR Schizophrenia OR Bipolar OR Psychosis OR Mania OR Memory OR Remember OR Flashback OR “Word finding” OR Paranoia OR Forget* OR Hallucinat* OR Confus* OR Disorient* OR Function* OR Mobility OR Movement OR Sleep* OR Eat* OR Diet OR Food OR Nutrition OR Speech OR Hearing OR Vision OR Weight OR “Body Mass Index” OR BMI OR “Blood pressure” OR “Heart rate” OR Migraine OR Headache OR Underweight OR Overweight OR “Heart problem” OR Cardiovascular OR CVD OR Obesity OR Anorexia OR Bulimia OR Insomnia OR Injur* OR Wound* OR Trauma* OR Harm OR Burn* OR STD OR STI OR HIV OR “Human Immunodeficiency Virus” OR Pregnan* OR Infertil* OR Gynaecolog* OR Gynecolog* OR Wellbeing OR “Well being” OR Emotion* OR Shock* OR Enthusias* OR Motivat* OR Excite* OR Agitat* OR Nerv* OR Sad* OR Affect OR Cogniti* OR Perception OR Awareness OR Judgement OR Contented* OR Contentment OR Happ* OR Fun* OR Enjoy* OR Distress* OR Hope* OR Empower* OR Optimis* OR Pessimis* OR Angr* OR Anger OR Grief OR Nothingness OR Resilien* OR “peace of mind” OR Fulfil* OR “Inner balance” OR Regret* OR Proud OR Upset* OR Guilt* OR Blame OR Shame OR Embarrass* OR Responsib* OR Frustrat* OR Fear* OR Flourish* OR “post traumatic growth” OR “Self regard” OR “self actuali?ation” OR “Self esteem” OR “Self confidence” OR “Self discovery” OR “Self respect” OR “Self acceptance” OR “Self control” OR “Self efficacy” OR “Self realisation” OR “Self satisfaction” OR “Self determination” OR “Self expression” OR ”Self categori*” OR “Self concept” OR “self congruence” OR “Self stigma” OR “self presentation” OR “self expansion” OR Personality OR Identity OR Personhood OR Masculinity OR Femininity OR Comfort* OR Discomfort OR Appetite OR Energ* OR Fatigue* OR Tired* OR Pain* OR Dexterity OR Alertness OR Fitness OR Strength OR Vigour OR Vitality OR Nausea OR Independen* OR Rely* OR Reli* OR Depend* OR Autonom* OR Dignity OR Somatic OR Accept* OR Capability OR Capable OR Competenc* OR Recreation OR Achieve* OR Control OR Creativity OR Productivity OR Lifestyle OR Performance OR Intuition OR Tobacco OR Participation OR “Decision making” OR “Self destruct*” OR “Care seek*” OR Goals OR Habit OR “Environmental mastery” OR “Personal growth” OR Interests OR Hobbies OR Learning OR Leisure OR Help N0 seek* OR Medicat* OR “Self medicate” OR Alcohol* OR Drug OR Smok* OR “Substance use” OR “Substance abuse” OR Coping OR Cope OR “Self harm” OR Automutilation OR Suicid* OR Avoid* OR “Self care” OR Coherence OR Concentration OR Thinking OR Thought OR Adjustment OR Imagination OR Endurance OR Addiction OR Addict OR Aspiration OR Compulsion OR Agency OR Adjust* OR “Risk taking” OR “risky behavio?r” OR Alienat* OR Lonel* OR Isolat* OR Attachment OR Relatedness OR Connect* OR Communicat* OR Intima* OR “Relationship quality” OR “Body language” OR “Eye contact” OR “family dynamic” OR Parenting OR “partner relations” OR Role OR Interact* OR Engaging OR Engagement OR Affection* OR Trust OR Friendliness OR Hostil* OR Retaliat* OR “Social status” OR “Social phobia” OR “Social skills” OR “Social approval” OR “Social discrimination” OR “Social deprivation” OR “Interpersonal functioning” OR Respect OR “Social acceptance” OR “Social actuali*” OR “Social coherence” OR “Social commitment” OR “Social closeness” OR “Social comparison” OR “Social connection” OR “Social contribution” OR “Social function*” OR “Social integration” OR “Social life” OR “Social network” OR ”Social potency” OR “Social support” OR Income OR Financ* OR Econom* OR Money OR Monetary OR “Material needs” OR Poverty OR Home* OR Safety OR Secur* OR Neighbourhood OR Stability OR Employment OR Unemploy* OR “Absence from work” OR Work OR Job OR Occupation* OR Deprivation OR “Sick leave” OR “Quality of life” OR QoL OR DALY OR “disability adjusted life year” OR QALY OR “quality adjusted life year” OR “Life change” OR Religion OR Faith OR Belief OR Believe OR God OR “Higher power” OR Spiritual* OR Life N2 meaning OR Life N2 purpose OR “Life engagement” OR “Philosophy of life” OR “At peace” OR Existential OR “Inner haven” OR “Life satisfaction” OR Satisf* OR Drive OR Pleasure OR Dignity OR “Sex life” OR Sensation OR Stimulation OR Desire OR “Premature birth” OR Miscarriage OR Bleed* OR	

	Birthweight OR “Birth weight”) OR AB (Health OR Ill* OR Symptom OR Disorder OR Disease OR Infection OR Infected OR Syndrome OR Impairment OR Dysfunction or Mental OR Psychological OR Anxi* OR Depress* OR Stress* OR PTSD OR Schizophrenia OR Bipolar OR Psychosis OR Mania OR Memory OR Remember OR Flashback OR “Word finding” OR Paranoia OR Forget* OR Hallucinat* OR Confus* OR Disorient* OR Function* OR Mobility OR Movement OR Sleep* OR Eat* OR Diet OR Food OR Nutrition OR Speech OR Hearing OR Vision OR Weight OR “Body Mass Index” OR BMI OR “Blood pressure” OR “Heart rate” OR Migraine OR Headache OR Underweight OR Overweight OR “Heart problem” OR Cardiovascular OR CVD OR Obesity OR Anorexia OR Bulimia OR Insomnia OR Injur* OR Wound* OR Trauma* OR Harm OR Burn* OR STD OR STI OR HIV OR “Human Immunodeficiency Virus” OR Pregnan* OR Infertil* OR Gynaecolog* OR Gynecolog* OR Wellbeing OR “Well being” OR Emotion* OR Shock* OR Enthusias* OR Motivat* OR Excite* OR Agitat* OR Nerv* OR Sad* OR Affect OR Cogniti* OR Perception OR Awareness OR Judgement OR Contented* OR Contentment OR Happ* OR Fun* OR Enjoy* OR Distress* OR Hope* OR Empower* OR Optimis* OR Pessimis* OR Angr* OR Anger OR Grief OR Nothingness OR Resilien* OR “peace of mind” OR Fulfil* OR “Inner balance” OR Regret* OR Proud OR Upset* OR Guilt* OR Blame OR Shame OR Embarrass* OR Responsib* OR Frustrat* OR Fear* OR Flourish* OR “post traumatic growth” OR “Self regard” OR “self actuali?ation” OR “Self esteem” OR “Self confidence” OR “Self discovery” OR “Self respect” OR “Self acceptance” OR “Self control” OR “Self efficacy” OR “Self realisation” OR “Self satisfaction” OR “Self determination” OR “Self expression” OR ”Self categori*” OR “Self concept” OR “self congruence” OR “Self stigma” OR “self presentation” OR “self expansion” OR Personality OR Identity OR Personhood OR Masculinity OR Femininity OR Comfort* OR Discomfort OR Appetite OR Energ* OR Fatigue* OR Tired* OR Pain* OR Dexterity OR Alertness OR Fitness OR Strength OR Vigour OR Vitality OR Nausea OR Independen* OR Rely* OR Reli* OR Depend* OR Autonom* OR Dignity OR Somatic OR Accept* OR Capability OR Capable OR Competenc* OR Recreation OR Achieve* OR Control OR Creativity OR Productivity OR Lifestyle OR Performance OR Intuition OR Tobacco OR Participation OR “Decision making” OR “Self destruct*” OR “Care seek*” OR Goals OR Habit OR “Environmental mastery” OR “Personal growth” OR Interests OR Hobbies OR Learning OR Leisure OR Help N0 seek* OR Medicat* OR Self medicate” OR Alcohol* OR Drug OR Smok* OR “Substance use” OR “Substance abuse” OR Coping OR Cope OR “Self harm” OR Automutilation OR Suicid* OR Avoid* OR “Self care” OR Coherence OR Concentration OR Thinking OR Thought OR Adjustment OR Imagination OR Endurance OR Addiction OR Addict OR Aspiration OR Compulsion OR Agency OR Adjust* OR “Risk taking” OR “risky behavio?r” OR Alienat* OR Lonel* OR Isolat* OR Attachment OR Relatedness OR Connect* OR Communicat* OR Intima* OR “Relationship quality” OR “Body language” OR “Eye contact” OR “family dynamic” OR Parenting OR “partner relations” OR Role OR Interact* OR Engaging OR Engagement OR Affection* OR Trust OR Friendliness OR Hostil* OR Retaliat* OR “Social status” OR “Social phobia” OR “Social skills” OR “Social approval” OR “Social discrimination” OR “Social deprivation” OR “Interpersonal functioning” OR Respect OR “Social acceptance” OR “Social actuali*” OR “Social coherence” OR “Social commitment” OR “Social closeness” OR “Social comparison” OR “Social connection” OR “Social contribution” OR “Social function*” OR “Social integration” OR “Social life” OR “Social network” OR ”Social potency” OR “Social support” OR Income OR Financ* OR Econom* OR Money OR Monetary OR “Material needs” OR Poverty OR Home* OR Safety OR Secur* OR Neighbourhood OR Stability OR Employment OR Unemploy* OR “Absence from work” OR Work OR Job OR Occupation* OR Deprivation OR “Sick leave” OR “Quality of life” OR QoL OR DALY OR “disability adjusted life year” OR QALY OR “quality adjusted life year” OR “Life change” OR Religion OR Faith OR Belief OR Believe OR God OR “Higher power” OR Spiritual* OR Life N2 meaning OR Life N2 purpose OR “Life engagement” OR “Philosophy of life” OR “At peace” OR Existential OR “Inner haven” OR “Life satisfaction” OR	

	Satisf* OR Drive OR Pleasure OR Dignity OR “Sex life” OR Sensation OR Stimulation OR Desire OR “Premature birth” OR Miscarriage OR Bleed* OR Birthweight OR “Birth weight”)	
3	#1 AND #2	143,792
4	DE "Onset (Disorders)" OR DE "Disease Progression" OR DE "Disease Course" OR DE "Patient Reported Outcome Measures" OR DE "Risk Factors" OR DE "Causal Analysis" OR DE "Statistical Correlation" OR DE "Multivariate Analysis" OR DE "Statistical Probability" OR DE "Etiology" OR DE "Causality" OR DE "Consequence" OR DE "Psychological Consequence" OR DE "Statistical Regression" OR DE "Linear Regression" OR DE "Logistic Regression" OR DE "Multiple Regression" OR DE "Nonlinear Regression" OR TI (Impact OR Caus* OR Effect OR Influence OR Outcome OR Consequence OR Association OR Associated OR Correlation OR Correlated OR “Risk factor”) OR AB (Impact OR Caus* OR Effect OR Influence OR Outcome OR Consequence OR Association OR Associated OR Correlation OR Correlated OR “Risk factor”)	2,463,631
5	#3 AND #4	88,662
6	DE "Child Abuse" OR DE "Infanticide" OR DE "Child Neglect" OR DE "Elder Abuse" OR DE "Dementia" OR DE "Refugees" OR DE "School Violence" OR DE "Schools" OR DE "Riots" OR DE "Terrorism" OR DE "War" OR DE “Military Veterans” OR TI (“Child abuse” OR adolescen* OR teen* OR youth OR school OR elder OR dementia OR “loss of capacity” OR alzheime* OR refugee OR traffick* OR Gang OR “community violence” OR “mass violence” OR “group violence” OR terroris* OR war OR “zone of conflict” OR “conflict zone” OR Veteran OR military OR intervention OR treat* OR therap* OR programme OR screening OR training OR burnout OR “helpline worker” OR “support worker” OR staff OR prevalence OR bystander OR witness OR commentary OR commentator)	884,432
7	#5 NOT #6	51,606
8	TI ("systematic review" OR "integrative review" OR "meta analysis" OR "meta synthesis" "meta ethnography" OR "comparative stud*" OR "scoping review" OR rapid N1 review) OR AB ("systematic review" OR "integrative review" OR "meta analysis" OR "meta synthesis" "meta ethnography" OR "comparative stud*" OR "scoping review" OR rapid N1 review)	62,620
9	#7 AND #8	748
10	**#9 limit to year 2000 onwards, English language, Academic Journals and dissertations**	**637**
11	TI ("mixed method" OR "mixed methods") OR AB ("mixed method" OR "mixed methods")	21,289
12	#7 AND #11	281
13	#12 NOT #8	274
14	**#13 limit to year 2000 onwards, English language, Academic Journals and dissertations**	**269**
15	TI (Quantitative OR survey OR questionnaire OR data OR cohort OR "case control" OR "cross sectional" OR "natural history" OR longitudinal) OR AB (Quantitative OR survey OR questionnaire OR data OR cohort OR "case control" OR "cross sectional" OR "natural history" OR longitudinal)	1,291,025
16	#7 AND #15	17,850
17	#16 NOT (#8 OR #11)	17,336
18	**#17 limit to year 2000 onwards, English language, Academic Journals and dissertations**	**13,285**
19	TI (interview OR "semi structured" OR "focus group" OR qualitative OR transcri* OR observation* OR narrative* OR "grounded theory" OR "thematic analysis" OR ethnograph* OR "content analysis") OR AB (interview OR "semi structured" OR "focus group" OR qualitative OR transcri* OR observation* OR narrative* OR "grounded theory" OR "thematic analysis" OR ethnograph* OR "content analysis")	452,973
20	#7 AND #19	5,711
21	#20 NOT (#8 OR #11)	5,415

22	**#21 limit to year 2000 onwards, English language, Academic Journals and dissertations**	**4,943**

Each of the 4 lines highlighted in grey will generate search results which will be added to Endnote. These are lines #10, #14, #18, #22 and relate to synthesis, mixed-methods, quantitative and qualitative research methods.

Appendix II: Data extraction instrument*

Paper Information	**E/D**
Author(s)	E
Title	E
Year of publication	E
Aim of or focus of study	E
Study design	
Quantitative; Quantitative Cross-sectional Survey; Quantitative – Longitudinal; Qualitative; Qualitative – Longitudinal; Mixed method; Mixed-Method – Longitudinal; Systematic Review; Qualitative Meta-Analysis; Mixed-Method Evidence Synthesis	E
Location of study / participants	
Country (Country; Multi-country; Region; Multi-region; Global	E
High, middle, low- or mixed-income country/ies	D
Victim Population / Participants	
Demographics: age, gender, ethnicity	E
Sample size	E
Setting of Recruitment: general population, workplace (e.g. private company, education, police, healthcare), education / college, faith / religious institutions, clinical settings (e.g. hospital, refuge, violence services, mental health, drug or alcohol services, antenatal / maternity services, sexual or reproductive services, prison, social care, residential care)	E
Interpersonal Violence	
Type of interpersonal violence: physical assault, sexual violence, rape, forced to penetrate assault, emotional, psychological, harassment, stalking, economic, legal and administrative aggression, microaggressions, maltreatment, neglect, deprivation, coercive control	E
Subset types of interpersonal violence: Hate incident, intimate partner violence, domestic violence, family violence, community / street violence	D
Setting of occurrence of violence: public space, home, workplace, education / college, faith / religious institution, prison, care, residential care, hospital, antenatal / maternity services clinic.	D
Time period of occurrence of violence: ongoing, (e.g. living with perpetrator of violence), last week, last month, last year, more than one year ago.	D
Frequency of violence: single incident or more than one incident	D
Severity of violence: injury scores, crime codes	D
Perpetrator: single perpetrator or more than one perpetrator.	D
Interpersonal Violence Perpetrator Information	
Victim-perpetrator relationship: stranger, acquaintance, family member, co-habiting partner / ex-partner or currently dating or dating ex	D
Perpetrator details (demographics: age, gender, ethnicity)	D
Perpetrator (context characteristics: mental health, learning disability, disability, alcohol / drug use)	D
Categories of Health and Wellbeing Harms Measured or Reported	
General health, physical injury, physical disability, long-term medical conditions (e.g. cardiovascular, respiratory, endocrine), mental health, common mental disorders (e.g. post-traumatic stress, anxiety, depression), sense of self / self-identity, social relationships / social relatedness; personal circumstance (economic, housing), spiritual, sexual, reproductive, communicable diseases; health behaviours / risk coping strategies, activities of daily living; functioning, quality of life	E
Measurement Tools	
Measurement Tools Used (e.g Depression, Anxiety Scales; Self-esteem, Quality of Life)	D

Key: *Categories will be added and /or revised as identified during data extraction; E = Essential data extraction; D = Desirable data extraction.