

# **Central Lancashire Online Knowledge (CLoK)**

Title	Impact of COVID-19 pandemic on characteristics, extent and trends in child maltreatment in 34 Euro-CAN COST Action countries: a scoping review protocol
Type	Article
URL	https://clok.uclan.ac.uk/50308/
DOI	https://doi.org/10.1136/bmjopen-2023-080183
Date	2024
Citation	Cankardas-Nalbantcilar, Sinem, Tagiyeva-Milne, Nara, Loiseau, Mélanie, Naughton, Aideen, Grylli, Chryssa, Sammut-Scerri, Clarissa, Pivoriene, Jolanta, Schöggl, Johanna, Pantazidou, Anastasia et al (2024) Impact of COVID-19 pandemic on characteristics, extent and trends in child maltreatment in 34 Euro-CAN COST Action countries: a scoping review protocol. BMJ Open, 14 (1).
Creators	Cankardas-Nalbantcilar, Sinem, Tagiyeva-Milne, Nara, Loiseau, Mélanie, Naughton, Aideen, Grylli, Chryssa, Sammut-Scerri, Clarissa, Pivoriene, Jolanta, Schöggl, Johanna, Pantazidou, Anastasia, Quantin, Catherine and Mora-Theuer, Eva Anna

It is advisable to refer to the publisher's version if you intend to cite from the work. https://doi.org/10.1136/bmjopen-2023-080183

For information about Research at UCLan please go to <a href="http://www.uclan.ac.uk/research/">http://www.uclan.ac.uk/research/</a>

All outputs in CLoK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <a href="http://clok.uclan.ac.uk/policies/">http://clok.uclan.ac.uk/policies/</a>

# BMJ Open Impact of COVID-19 pandemic on characteristics, extent and trends in child maltreatment in 34 Euro-CAN **COST Action countries: a scoping** review protocol

Sinem Cankardas , <sup>1</sup> Nara Tagiyeva-Milne, <sup>2</sup> Mélanie Loiseau, <sup>3,4</sup> Aideen Naughton, <sup>5</sup> Chryssa Grylli, <sup>6</sup> Clarissa Sammut - Scerri, <sup>7</sup> Jolanta Pivoriene, <sup>8</sup> Johanna Schöggl, <sup>6</sup> Anastasia Pantazidou, <sup>6</sup> Catherine Quantin , <sup>9,10</sup> Eva Anna Mora-Theuer<sup>6</sup>

To cite: Cankardas S, Tagiyeva-Milne N, Loiseau M, et al. Impact of COVID-19 pandemic on characteristics, extent and trends in child maltreatment in 34 Euro-CAN COST Action countries: a scoping review protocol. BMJ Open 2024:14:e080183. doi:10.1136/ bmjopen-2023-080183

Prepublication history and additional supplemental material for this paper are available online. To view these files, please visit the journal online (http://dx.doi.org/10.1136/ bmjopen-2023-080183).

Received 22 September 2023 Accepted 29 November 2023



Check for updates

@ Author(s) (or their employer(s)) 2024. Re-use permitted under CC BY-NC. No commercial re-use. See rights and permissions. Published by

For numbered affiliations see end of article.

## **Correspondence to**

Eva Anna Mora-Theuer; eva.mora-theuer@meduniwien. ac.at

# **ABSTRACT**

**Introduction** While the factors commonly associated with an increased risk of child maltreatment (CM) were found to be increased during COVID-19, reports of actual maltreatment showed varying trends. Similarly, evidence regarding the impact of COVID-19 on CM within the European Cooperation on Science and Technology and Network Collaborative (COST) Action countries remains inconsistent. This scoping review aims to explore the extent and nature of evidence pertaining to CM within the countries affiliated with the Child Abuse and Neglect in Europe Action Network (Euro-CAN), funded by the COST. Methods and analysis Key electronic databases were searched to identify eligible papers, reports and other material published between January 2020 and April 2023: PubMed, EMBASE, PsycINFO, Social Policy and Practice, Scopus and Web of Science. To cover the breadth of evidence, a systematic and broad search strategy was applied using a combination of keywords and controlled vocabulary for four concepts: children, maltreatment, COVID-19 and Euro-CAN countries, without restrictions on study design or language. Grey literature was searched in OpenGrev and Google Scholar, Two reviewers will independently screen full-text publications for eligibility and undertake data extraction, using a customised grid. The screening criteria and data charting will be piloted by the research team.

The Preferred Reporting Items for Systematic reviews and Meta-Analyses (PRISMA) extension for scoping reviews will be followed to present the results. Results will be summarised in a tabular form and narratively.

Ethics and dissemination This review will identify and summarise publicly available data, without requiring ethical approval. The findings will be disseminated to the Euro-CAN Network and reported to the COST Association. They will also be published in a peer-reviewed journal. This protocol is registered on Open Science Framework.

# STRENGTHS AND LIMITATIONS OF THIS STUDY

- ⇒ This is the first review to systematically and comprehensively map the evidence on child maltreatment during the COVID-19 pandemic in the countries affiliated to the European Cooperation on Science and Technology and Network Collaborativefunded Action Network on Child Abuse and Neglect in Europe, adhering to the Preferred Reporting Items for Systematic reviews and Meta-Analyses-Scoping Review guidelines to ensure rigour, transparency and replicability.
- ⇒ A well-balanced across relevant expertise and perspectives multidisciplinary team of paediatricians. public health professionals, clinical psychologists. epidemiologists, sociologists, forensic scientists and methodologists, capable of effectively supporting all stages of the review process from developing a viable question to performing the technical aspects
- ⇒ The generated evidence will be important in shaping the direction of future policies, practices and research.
- ⇒ Possible omission of relevant publications due to limited sources of grey literature and potential language limitation during the paper selection process.
- ⇒ Due to the nature of the data, they are subject to considerable publication and reporting bias.

#### INTRODUCTION

The WHO defines child maltreatment (CM) as 'actual or potential harm to the child's health, survival, development, or dignity' caused by sexual, physical, emotional abuse or neglect.<sup>1</sup> CM is a significant public and social health concern with profound and lasting physical and mental health effects.<sup>2</sup> It is a common problem encountered by psychologists and other professionals in clinical settings.<sup>3</sup> CM's



burden and long-term consequences are well recognised in both low-income and high-income countries. 4-9

Globally, 23% and 13% of children report lifetime physical and sexual abuse, respectively. Lexcluding minor violence, over a billion children faced past-year violence, with over half in Africa, Asia and Northern America, over a third in Latin America, and 8%–31% in Europe. Latin affluent nations, one in five children encounter physical abuse, and Europe's rates exceed 70% for all violence. Many abused or neglected children experience multiple maltreatment forms.

Before COVID-19, data from European countries revealed long-term declines in CM overall, with some showing CM rates remained stable. The pandemic's impact on CM is uncertain. COVID-19 exacerbated known maltreatment triggers, such as unemployment, economic strain, social isolation and parental depression. Additionally, the pandemic spurred online activity, evident in a 30% increase in internet usage in European countries, and the expansion of technology-facilitated communication, possibly elevating the risk of online abuse, including children's exposure to cyberbullying, sextortion, cyberstalking, sexual and other exploitation.

WorldVision estimated a 20–30% global rise in CM during the first 3 months of COVID-19 restrictions and an increase of 759 600–1 215 360 maltreated children in Europe alone. Studies from the USA, on the other hand, highlighted reduced CM reports and declining hospitalisation rates. Findings from different countries in Europe are also mixed. Some have reported a rise in physical abuse injuries, in emergency visits due to physical abuse, or in children witnessing domestic violence and verbal abuse during this period. Data from 48 children's helplines across 45 countries, including European nations, presented inconsistent results. Likewise, global cyber abuse trends during COVID-19 exhibited divergent patterns. October 26–28

Differences in legal frameworks, varied definitions and classifications of CM types across disciplines and sectors, diverse methodologies and inconsistent reporting collectively hamper cross-population comparisons and temporal assessments of CM. 27 33-36 Evolving understanding and recognition of CM forms further complicates the matter.<sup>37</sup> Cultural variations and under-reporting due to fear or stigma can also distort accurate comparisons. The pandemic exacerbated the reporting issue, as measures to control the virus disrupted primary maltreatment detection systems.<sup>38</sup> The closure of schools, which played a crucial role in identifying and reporting CM, combined with the suspension of other children's activities, resulted in fewer interactions with potential reporters, limiting ways for children to seek help.<sup>29</sup> This environment also increased the risk of online abuse and exploitation, areas already challenged by under-reporting.<sup>22 39</sup>

Given a broad and complex topic, diversity of information sources and types of data identified through the pilot search, a scoping review was considered the most suitable approach to explore the range and nature of existing evidence.<sup>40</sup> The preliminary search revealed no current or ongoing systematic reviews or scoping reviews on this specific population in these countries and contexts. Although Kourti *et al* systematically reviewed the effect of COVID-19 on domestic violence, they only included the publications until July 2020 and did not focus on the European countries.<sup>41</sup>

Child Abuse and Neglect in Europe Action Network (Euro-CAN) is an European Cooperation on Science and Technology and Network Collaborative (COST) Action—funded multidisciplinary network Action-19106:"Multi-Sectoral Responses to Child Abuse and Neglect in Europe") of a diverse group of researchers and child protection professionals from 34 European countries and neighbouring regions. The network has been established to promote a unified European CM data collection system. One of the Euro-CAN working groups is concerned with the surveillance and monitoring of CM cases during the COVID-19 pandemic. Therefore, the objective of this scoping review is to map existing evidence on the characteristics, extent and trends in CM over the COVID-19 pandemic in Euro-CAN COST Action member countries. The review will identify the type of and gaps in available evidence and ascertain the need and feasibility of conducting a systematic review.<sup>42</sup>

The broader implication of this line of inquiry is to enhance preparedness in protecting children's well-being in the face of future pandemics. Recommendations to comprehensively investigate the broader impact of pandemics on children, with a particular focus on vulnerable populations have been proposed. This review will lay a foundation for developing strategies to prevent CM in potential future pandemics playing a pivotal role in shaping the planning of child protection and well-being services in European countries.

## **METHODS AND ANALYSIS**

This scoping review will follow the methodological framework by the Joanna Briggs Institute (JBI). 44 The protocol is written using the JBJ guidance for the development of scoping review protocols. 45 This review will be reported according to the Preferred Reporting Items for Systematic reviews and Meta-Analyses (PRISMA) extension for scoping reviews statement. 46

This protocol is registered on Open Science Framework (https://osf.io/y8cas).

# **Review questions**

The aim of this scoping review is to investigate available evidence on the impact of COVID-19 on CM in Euro-CAN COST Action countries.

The primary review questions are:

- 1. What were the extent and characteristics of maltreatment experienced by children in Euro-CAN COST Action countries during the COVID-19 pandemic?
- 2. Did the extent of CM change (increase or decrease) during the COVID-19 pandemic in the Euro-CAN

COST Action countries compared with before the COVID-19 pandemic?

3. What were the key factors contributing to CM in Euro-CAN COST Action countries during the COVID-19 pandemic?

The sub-questions are as follows:

- 1. What are the nature and extent of evidence available on CM in Euro-CAN COST Action countries during COVID-19?
- 2. What are the limitations and gaps in evidence on CM in Euro-CAN COST Action countries during COVID-19?
- 3. Is a systematic review an appropriate next step in this research inquiry?

# **Eligibility criteria**

The Population, Concept, Context (PCC) model was used in determining the inclusion criteria for this review.47

The population of interest for this review will be children under 18. No limitations will be applied regarding individual characteristics.

The concept under review is CM, which falls under the broader category of violence against children. 'CM' serves as an umbrella term encompassing child abuse and neglect, two main forms of harmful behaviour against children, active and passive, respectively. 1 48 Child abuse is further subdivided into physical, sexual and emotional abuse, while 'neglect' is categorised into physical and emotional neglect.

Any type of maltreatment within these forms and categories, of any severity, duration, settings and location, perpetrator's characteristics, methods of identification and reporting, one or multiple types, new or recurrent cases, are eligible for the review. Modern types of online abuse and exploitation, such as cyberbullying, trolling, grooming or sexting will be also included, as well as distinct forms of CM, such as witnessing intimate partner violence or witnessing domestic violence, which according to the WHO definition will be considered under the category of emotional abuse. 49 37

The context is Euro-CAN COST Action Member Countries during the COVID-19 pandemic period. Euro-CAN is the designation of the COST-Action-19106 (CA-19106) project, titled 'Multi-Sectoral Responses to Child Abuse and Neglect in Europe: Incidence and Trends'. This network, at the time of the literature search, consisted of 34 out of 39 eligible countries in the European Region eligible for COST support. For the complete list of these 34 countries, please see online supplemental appendix 1. Each of the 34 countries represente in Euro-CAN has designated member delegates actively engaged in the network's working groups. These delegates can directly communicate with relevant experts in their respective countries, allowing them to verify any findings through the extensive network.

The context also includes factors during COVID-19, such as public health containment measures, parental stress and family tensions, that affect CM, and differences

and changes in these factors across countries and preand during COVID-19.

# Type of evidence

This review aims to identify all types of evidence available on the topic of interest and due to the broad nature of the questions and expected diversity of information sources, it will consider any research design and methods: primary studies and reviews, quantitative and qualitative, experimental, and observational, including cross-sectional, case-control, cohort studies, case reports and case series.

All types of reports based on any sources of evidence and data origin and collection approaches will be considered for inclusion in the review: self-reports, proxy reports, hospital records, public health statistics, police reports, clinical reports, journal articles, conference proceedings, and others.

Sources of evidence across a range of contextual factors or settings, including income, socioeconomic, cultural, geographical, community-based or healthcare-based, will be eligible for inclusion.

# **Exclusion criteria**

The review will not consider books, book chapters, editorials, commentaries, letters, guidelines, policy documents, discussion and working papers, expert opinions, theoretical concepts, proposed frameworks, websites, or blogs.

As we are interested in maltreatment experienced by children during the pandemic, reports on adverse childhood experiences, which are experiences of adult survivors of CM will not be included in the review.<sup>50</sup>

# **Identifying relevant studies**

Due to the nature of the topic and heterogeneity of evidence, established in the preliminary searches, the search strategy for this review will aim to be broad and cover both published and grey literature. To ensure its comprehensiveness and sensitivity, the search strategy was developed in consultation with librarians at the Medical University of Vienna.

# **Electronic database searching**

Librarians at the Medical University of Vienna, who are experts in scientific database searches for scoping reviews, were consulted and involved in developing the search strategy.<sup>51</sup>

A search was conducted in the following electronic databases that comprehensively cover a broad range of disciplines, including medicine, health and social care, behavioural and social sciences: PubMed, Embase (EBSCO), PsycINFO (EBSCO), Social Policy and Practice (OVID), Scopus and Web of Science.

A three-step search strategy was used. 44 In the first step, an initial limited search was carried out in two online databases, EMBASE and PsycINFO.

Following the Cochrane Handbook recommendations, the structure of the search strategy is informed by the following major concepts: children, maltreatment, COVID-19 and Euro-CAN COST Action countries. Network.

Table 1 Search concepts for a scoping review on child maltreatment during COVID-19 in Euro-CAN COST-Action countries Concept/theme **Keywords** Child child\* OR adolescen\* OR infan\* OR teen\* OR youth\* OR girl\* OR boy\* OR minor\* OR baby\* OR babies\*OR toddler\* OR paediatr\* OR pediatr\* OR newborn\* OR juvenile\* OR neonat\* OR famil\* OR preteen\* OR underage\* OR pubert\* OR pubescen\* OR pre-teen\* COVID-19 covid\* OR 'sars cov 2' OR coronavirus\* OR 'corona virus\*' OR pandemic\* OR ncov\* Maltreatment abus\* OR maltreat\* OR mistreat\* OR neglect\* OR violen\* OR harm\* OR cruel\* OR abandon\* OR groom\* OR manipulat\* OR exploit\* OR molest\* OR bully\* OR harass\* OR victim\* OR intentional injur\* OR punish\* OR incest\* OR assault\* Euro-CAN COSTgerman\* or swed\* or austria\* or cypr\* or denmark\* or danish\* or spain\* or spanish\* or estonia\* or Action countries albania\* or moldov\* or france\* or french\* or uk or 'united kingdom\*' or britain\* or british\* or england\* or scotland\* or scottish\* or wales\* or welsh\* or greece\* or greek\* or hungar\* or croatia\* or italy\* or italian\* or israel\* or iceland\* or lithuania\* or latvia\* or macedonia\* or malta\* or maltese\* or norway\* or norwegian\* or netherlands\* or dutch\* or holland\* or portug\* or poland\* or polish\* or romania\* or slovenia\* or turk\* or belgium\* or belgian\* or bosnia\* or herzegov\* or bulgaria\* or switzerland\* or swiss\* or ireland\* or irish\* or europ\*

COST, European Cooperation on Science and Technology and Network Collaborative; Euro-CAN, Child Abuse and Neglect in Europe Action

Synonyms, alternative terms, along with their variations and corresponding controlled vocabulary specific for each database (Emtree and APA Thesaurus of Psychological Index Terms for Embase and PsycINFO, respectively) were identified for each concept. The free-text keywords were truncated appropriately to retrieve all their variants. <sup>52</sup>

The free-text and controlled vocabulary terms were combined using the 'OR' operator within each concept and the 'AND' operator between the concepts as presented in table 1.

The generic search string that was used in all databases is presented below:

(child\* OR adolescen\* OR infan\* OR teen\* OR youth\* OR girl\* OR boy\* OR minor\* OR baby\* OR babies\*OR toddler\* OR paediatr\* OR pediatr\* OR newborn\* OR juvenile\* OR neonat\* OR famil\* OR preteen\* OR underage\* OR pubert\* OR pubescen\* OR 'pre-teen\*') AND (abus\* OR maltreat\* OR mistreat\* OR neglect\* OR violen\* OR harm\* OR cruel\* OR abandon\* OR groom\* OR manipulat\* OR exploit\* OR molest\* OR bully\* OR harass\* OR victim\* OR intentional injur\* OR punish\* OR incest\* OR assault\*) AND (covid\* OR 'sars cov 2' OR coronavirus\* OR 'corona virus\*' OR pandemic\* OR ncov\*) AND (german\* or swed\* or austria\* or cypr\* or denmark\* or danish\* or spain\* or spanish\* or estonia\* or albania\* or moldov\* or france\* or french\* or uk or 'united kingdom\*' or britain\* or british\* or england\* or scotland\* or scottish\* or wales\* or welsh\* or greece\* or greek\* or hungar\* or croatia\* or italy\* or italian\* or israel\* or iceland\* or lithuania\* or latvia\* or macedonia\* or malta\* or maltese\* or norway\* or norwegian\* or netherlands\* or dutch\* or holland\* or portug\* or poland\* or polish\* or romania\* or slovenia\* or turk\* or belgium\* or belgian\* or bosnia\* or herzegov\* or bulgaria\* or switzerland\* or swiss\* or ireland\* or irish\* or europ\*)

This search string was translated to each database to include their specific controlled vocabulary. See online supplemental appendix 2 for the full search history that includes controlled vocabulary terms in the Embase database.

The text words in the titles and abstracts, as well as the index terms of the relevant papers retrieved at the initial stage, were used to finalise the search terms and develop the sensitive second-step search strategies, adapted for each of the selected electronic databases. The third step will be carried out to identify additional relevant papers and will include searching the reference lists and forward searching citations of the eligible papers that have been selected for the review.

# **Supplementary literature searching**

The grey literature search was carried out on 'OpenGrey' via 'DANS EASY Data Archive' and will be performed in Google Scholar using combinations of the keywords and index terms finalised for the database search.

The authors of key papers and known experts in the field will be contacted with a list of selected papers for any missing or ongoing/unpublished studies.

# **Search limitations**

There will be no search restriction by publication language. The review team members are fluent in English, German, French, Turkish, Greek, Russian and Lithuanian languages and therefore papers published in these languages will be included in the review. A pragmatic approach will be adopted with regard to identified publications in other languages. The review team will engage with the Euro-CAN network and personal professional networks to facilitate the inclusion of all relevant papers. This approach aims to ensure the comprehensiveness of the review, with only a minimal possibility that publications may be identified in languages that are not

feasible to translate, even with the assistance of a broader network.

All searches will be limited to the publication period from January 2020 to April 2023. The end date for the search was chosen based on the WHO Director-General's declaration in May 2023 which marked the end of COVID-19 as a public health emergency.<sup>53</sup>

# Study selection and management

Identified references from all databases and sources will be imported to the Zotero reference management software package and de-duplicated, before being screened for eligibility.<sup>54</sup>

We will undertake a pilot test of random 25% titles/abstracts by the whole team against eligibility criteria and definitions. Titles and abstracts of papers identified through the searches will be screened against the prespecified inclusion/exclusion criteria for potentially eligible studies. Full papers that are deemed relevant in the initial screening will be retrieved and evaluated in detail against the full inclusion/exclusion criteria. Papers excluded at full-text screening and reasons for the exclusion will be reported as an appendix. The papers that fulfil all the inclusion criteria will be selected for the review. These steps will be carried out by two researchers independently. Disagreement between the researchers will be resolved by consensus or arbitration involving a third researcher where necessary.

The final search results and the process of paper selection will be summarised using a PRISMA flow diagram<sup>46</sup> and narratively described.

# Charting the data

A data charting form will be developed by the review team and pretested to ensure the form is easily and consistently interpreted and captures all relevant information (see online supplemental appendix 3 for a draft data extraction form). The results of the testing will be discussed, and the data charting form will be revised.

Two reviewers will independently extract data from all included papers. The completed forms will be compared for consistency and discrepancies resolved by consensus or referral to a third researcher if necessary. The agreed data will be entered into the master database.

The following key information from each included paper will be extracted: title, author(s), journal and year of publication, publication type, country where the study was published/conducted, aims/purpose, type of study/study design, study population and size, type of reported CM, methodology/methods, outcomes, and key findings related to the review questions. Defining categories of temporary public health and social measures introduced during the pandemic (such as partial, full, first lockdown, second lockdown, etc) a priori, is challenging due to variations in timeframes and implemented measures across different countries. Therefore, these data will be extracted exactly as outlined in the papers and categorised as necessary during the analysis stage of the review.

The content of the data charting form will be updated as required in an iterative process with a description and justification of changes recorded and presented as an appendix.

In case of incomplete or unclear reporting, where needed and possible, authors of the papers will be contacted for clarification and further information.

# **Collating, summarising and reporting the results**

Narrative (descriptive) collation and summary of the results will be produced around research questions, key identified factors and themes. Key findings will be summarised in a systematic way in the text, in a tabular form or graphically, as appropriate, focusing on types and extent of maltreatment in children.

The results will include a description of the type and volume of literature available on the topic of interest over the period of interest aggregated by the study design, country, population and the timing of the study in relation to the COVID-19 pandemic and country-specific lockdown measures. Similarly, summaries of outcomes will be categorised by changes in numbers and/or type of maltreatment over time.

A link between the impact of maltreatment and the responses of different countries to the pandemic, including their respective social restrictions, school closures and other related measures will be investigated if data are available. The literature will be explored to identify any reported correlations between the prevalence of CM and the specific pandemic response strategies implemented by each country. The identified links between maltreatment trends and the varying pandemic responses across different countries will be reported.

Quantitative data will be reported as counts, frequencies and percentages. Qualitative data will be presented as concepts, themes and characteristics generated from the extracted data. While overall narrative characterisation of the type and quality of available evidence will be provided, the expected heterogeneity of the included studies and other sources of evidence will make formal critical appraisal inappropriate or difficult to standardise, and it is not required in a scoping review. Therefore, methodological quality assessment of the included studies or formal synthesis of the data will not be carried out.

Similarly, the anticipated high level of methodological and/or clinical heterogeneity in the included sources from which the data will be derived and the diverse nature of the data will make it impossible to conduct a meta-analysis.

Results will be reported using the PRISMA-ScR guidelines<sup>46</sup>

# Patient and public involvement

No patient or public were involved in the protocol design.

# **Ethics and dissemination**

Given that this review will analyse the data collected from existing literature, ethical approval is not required. Our



findings will be disseminated through conference presentations and publication in a peer-reviewed journal. The findings will show the knowledge available for future research aimed at providing evidence for the effect of the COVID-19 pandemic on CM in Euro-CAN Cost countries.

#### **Author affiliations**

<sup>1</sup>School of Health, Social Work & Sport, University of Central Lancashire, Preston, UK <sup>2</sup>Faculty of Education, Liverpool School of Tropical Medicine, Liverpool, UK

<sup>3</sup>Forensic Medicine Unit, University Hospital, Dijon, France

<sup>4</sup>Inserm, UMR 1231, Lipides Nutrition Cancer, CHU Dijon Bourgogn, Dijon, France

<sup>5</sup>Public Health Wales. NHS Trust. Cardiff. UK

<sup>6</sup>Department of Pediatrics and Adolescent Medicine, Medical University of Vienna, Vienna, Austria

<sup>7</sup>Faculty for Social Wellbeing, Department of Child and Family Studies, University of Malta, Msida, Malta

<sup>8</sup>Faculty of Human and Social Studies, Mykolas Romeris University, Vilnius, Lithuania <sup>9</sup>Biostatistics and Bioinformatics (DIM), University Hospital, Dijon, France

<sup>10</sup>University Paris-Saclay, UVSQ, Inserm, CESP, 94807, Villejuif, France

Contributors SC, EM-T and NT-M led the conceptualisation, design and drafting of the protocol. EM-T, SC, CQ, ML and NT-M developed the search strategy and SC, CQ and ML conducted the preliminary searches; AN, CG, CS-S, JP, JS and AP provided supervisory overview and feedback on the methodology and the manuscript. All authors reviewed the final version of the protocol.

Funding This work was supported by the European Cooperation in Science and Technology and Network Collaborative (COST), under COST-Action-19106: "Multisectoral responses to child abuse and neglect in Europe: incidence and trends (Euro-CAN)". In addition, we would like to thank the CHEOPS foundation (CHEOPS Privatstiftung) for their kind support with this publication. The funders were not involved in the study design, the collection, analysis or interpretation of the data, the writing of the report or the decision to submit the article for publication.

Competing interests None declared.

Patient and public involvement Patients and/or the public were not involved in the design, or conduct, or reporting or dissemination plans of this research.

Patient consent for publication Not applicable.

Ethics approval Not required.

Provenance and peer review Not commissioned; externally peer reviewed.

Data availability statement No data are available.

Supplemental material This content has been supplied by the author(s). It has not been vetted by BMJ Publishing Group Limited (BMJ) and may not have been peer-reviewed. Any opinions or recommendations discussed are solely those of the author(s) and are not endorsed by BMJ. BMJ disclaims all liability and responsibility arising from any reliance placed on the content. Where the content includes any translated material, BMJ does not warrant the accuracy and reliability of the translations (including but not limited to local regulations, clinical guidelines, terminology, drug names and drug dosages), and is not responsible for any error and/or omissions arising from translation and adaptation or otherwise.

Open access This is an open access article distributed in accordance with the Creative Commons Attribution Non Commercial (CC BY-NC 4.0) license, which permits others to distribute, remix, adapt, build upon this work non-commercially, and license their derivative works on different terms, provided the original work is properly cited, appropriate credit is given, any changes made indicated, and the use is non-commercial. See: http://creativecommons.org/licenses/by-nc/4.0/.

# **ORCID** iDs

Sinem Cankardas http://orcid.org/0000-0003-4140-2068 Catherine Quantin http://orcid.org/0000-0001-5134-9411

# **REFERENCES**

- 1 World Health Organization. Child Maltreatment. 2022. Available: https://www.who.int/news-room/fact-sheets/detail/child-maltreatment
- 2 Sethi D, Bellis M, Hughes K, et al. European report on preventing child maltreatment. World Health Organization. Regional Office for Europe, 2013.

- 3 Zeanah CH, Humphreys KL. Child abuse and neglect. Journal of the American Academy of Child & Adolescent Psychiatry 2018;57:637–44.
- 4 Anda RF, Felitti VJ, Bremner JD, et al. The enduring effects of abuse and related adverse experiences in childhood. A convergence of evidence from Neurobiology and epidemiology. Eur Arch Psychiatry Clin Neurosci 2006;256:174–86.
- 5 Dunn EC, McLaughlin KA, Slopen N, et al. Developmental timing of child Maltreatment and symptoms of depression and suicidal Ideation in young adulthood: results from the National longitudinal study of adolescent health. *Depress Anxiety* 2013;30:955–64.
- 6 Ferrara P, Corsello G, Basile MC, et al. The economic burden of child Maltreatment in high income countries. J Pediatr 2015;167:1457–9.
- 7 Hughes K, Bellis MA, Hardcastle KA, et al. The effect of multiple adverse childhood experiences on health: a systematic review and meta-analysis. Lancet Public Health 2017;2:e356–66.
- 8 Mehta D, Kelly AB, Laurens KR, et al. Child Maltreatment and long-term physical and mental health outcomes: an exploration of Biopsychosocial determinants and implications for prevention. Child Psychiatry & Human Development 2021:1–15.
- 9 Taylor J, Bradbury-Jones C, Lazenbatt A, et al. Child Maltreatment: pathway to chronic and long-term conditions. J Public Health 2016;38:426–31.
- 10 Stoltenborgh M, Bakermans-Kranenburg MJ, van Ijzendoorn MH, et al. Cultural-geographical differences in the occurrence of child physical abuse? A meta-analysis of global prevalence. Int J Psychol 2013;48:81–94.
- 11 Stoltenborgh M, van Ijzendoorn MH, Euser EM, et al. A global perspective on child sexual abuse: meta-analysis of prevalence around the world. Child Maltreat 2011;16:79–101.
- 12 Hillis S, Mercy J, Amobi A, et al. Global prevalence of past-year violence against children: A systematic review and minimum estimates. Pediatrics 2016;137:e20154079.
- 13 Gilbert R, Widom CS, Browne K, et al. Burden and consequences of child Maltreatment in high-income countries. Lancet 2009;373:68–81.
- 14 World Health Organization, & International Society for Prevention of Child Abuse and Neglect. Preventing CM: A guide to taking action and generating evidence. retrieved from. 2006. Available: http://apps. who.int/iris/bitstream/10665/43499/1/9241594365\_eng.pdf
- 15 Degli Esposti M, Humphreys DK, Jenkins BM, et al. Long-term trends in child Maltreatment in England and Wales, 1858-2016: an observational, time-series analysis. Lancet Public Health 2019:4:e148-58.
- Witt A, Glaesmer H, Jud A, et al. Trends in child Maltreatment in Germany: comparison of two representative population-based studies. Child Adolesc Psychiatry Ment Health 2018;12:24. 10.1186/ s13034-018-0232-5 Available: https://doi.org/10.1186/s13034-018-0232-5
- 17 Turkish Statistical Institute. Statistics on child 2021. 2021. Available: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.tuik.gov.tr/media/announcements/istatistiklerle\_cocuk\_2021.pdf
- 18 Lee SJ, Ward KP, Lee JY, et al. Parental social isolation and child Maltreatment risk during the COVID-19 pandemic. J Fam Violence 2022;37:813–24.
- 19 Glitch UK and End Violence Against Women Coalition. The ripple effect: COVID-19 and the epidemic of online abuse. 2020: 48.
- 20 Finkelhor D, Turner H, Colburn D. Prevalence of online sexual offenses against children in the US. *JAMA Netw Open* 2022;5:e2234471.
- 21 UNICEF. THE SALE And SEXUAL EXPLOITATION OF CHILDREN: DIGITAL TECHNOLOGY, . 2019Available: https://www.unicef-irc.org/publications/pdf/Post-Consultation-Brief-Sale-Sexual-Exploitation-of-Children-Digital-Tech.pdf
- 22 Wolak J, Finkelhor D, Walsh W, et al. Sextortion of minors: characteristics and Dynamics. J Adolesc Health 2018;62:S1054-139X(17)30423-8:72–9.:.
- 23 Huber C. COVID-19 aftershocks: A perfect storm: millions more children at risk of violence under Lockdown and into the "new normal. In: World Vision. 2020. Available: https://reliefweb.int/report/ world/covid-19-aftershocks-perfect-storm-millions-more-childrenrisk-violence-under-lockdown
- 24 Rapoport E, Reisert H, Schoeman E, et al. Reporting of child Maltreatment during the SARS-Cov-2 pandemic in New York city from March to may 2020. Child Abuse Negl 2021;116(Pt 2):104719.
- 25 Kaiser SV, Kornblith AE, Richardson T, et al. Emergency visits and hospitalizations for child abuse during the COVID-19 pandemic. Pediatrics 2021;147:e2020038489. 10.1542/peds.2020-038489 Available: https://doi.org/10.1542/peds.2020-038489
- 26 Sidpra J, Abomeli D, Hameed B, et al. Rise in the incidence of abusive head trauma during the COVID-19 pandemic archives of disease in childhood. Arch Dis Child 2021;106:e14.

- 27 Loiseau M, Cottenet J, Bechraoui-Quantin S, et al. Physical abuse of young children during the COVID-19 pandemic: alarming increase in the relative frequency of hospitalizations during the Lockdown period. Child Abuse & Neglect 2021;122:105299.
- 28 Calvano C, Engelke L, Di Bella J, et al. Families in the COVID-19 pandemic: parental stress, parent mental health and the occurrence of adverse childhood experiences—results of a representative survey in Germany. Eur Child Adolesc Psychiatry 2022;31:2013–6.
- 29 Petrowski N, Cappa C, Pereira A, et al. Violence against children during COVID-19: assessing and understanding change in use of Helplines. Child Abuse & Neglect 2021;116(Pt 2):104757. 10.1016/j. chiabu.2020.104757 Available: https://doi.org/10.1016/j.chiabu.2020.104757
- 30 Vaillancourt T, Brittain H, Krygsman A, et al. School bullying before and during COVID-19: results from a Population-Based randomized design. Aggress Behav 2021;47:557–69.
- 31 Patchin JW, Hinduja S. Cyberbullying among Asian American youth before and during the COVID-19 pandemic. *J Sch Health* 2023;93:82–7.
- 32 Schunk F, Zeh F, Trommsdorff G. Cybervictimization and well-being among adolescents during the COVID-19 pandemic: the mediating roles of emotional self-efficacy and emotion regulation. *Comput Human Behav* 2022;126:107035.
- 33 Jackson Y, McGuire A, Tunno AM, et al. A reasonably large review of Operationalization in child Maltreatment research: assessment approaches and sources of information in youth samples. Child Abuse & Neglect 2019;87:5–17.
- 34 Mathews B, Pacella R, Dunne MP, et al. Improving measurement of child abuse and neglect: A systematic review and analysis of national prevalence studies. PLoS One 2020;15:e0227884.
- 35 Massullo C, De Rossi E, Carbone GA, et al. Child Maltreatment, abuse, and neglect: an umbrella review of their prevalence and definitions. Clin Neuropsychiatry 2023;20:72–99.
- 36 Jud A, Voll P. The definitions are Legion: academic views and practice perspectives on violence against children. In: In Victim, Perpetrator, or What Else? . Emerald Publishing Limited, 2019: 25. 47–66.
- 37 Marshall V, Ey LA, Goddard C. Intimate partner violence as a form of child abuse. In: *In Child Abuse and Neglect*. Academic Press, 2019: 23–43.
- Metcalf S, Marlow JA, Rood CJ, et al. Identification and incidence of child Maltreatment during the COVID-19 pandemic. Psychology, Public Policy, and Law 2022;28:267–79. 10.1037/law0000352 Available: https://doi.org/10.1037/law0000352
- 39 Kulshrestha ProfDrP. Cyber crime, regulations and security contemporary issues and challenges. In: An Analytical Study on Cyber Crime against Children in Cyber Crime, Regulation and Security: Contemporary Issues and Challenges. India: The Law Brigade Publishers, 2022.

- 40 Munn Z, Peters MDJ, Stern C, et al. Systematic review or Scoping review? guidance for authors when choosing between a systematic or Scoping review approach. BMC Med Res Methodol 2018;18:143.
- 41 Kourti A, Stavridou A, Panagouli E, et al. Domestic violence during the COVID-19 pandemic: A systematic review. *Trauma Violence Abuse* 2023:24:719–45.
- 42 Arksey H, O'Malley L. Scoping studies: towards a methodological framework. *International Journal of Social Research Methodology* 2005;8:19–32.
- 43 Marmor A, Cohen N, Katz C. Child Maltreatment during COVID-19: key conclusions and future directions based on a systematic literature review. *Trauma Violence Abuse* 2023;24:760–75.
- 44 Aromataris E, Munn Z. *JBI reviewer's manual. Chapter 11: Scoping Reviews (2020 version)*. 2020.
  45 Peters MDJ, Godfrey C, McInerney P, et al. Best practice guidance
- 45 Peters MDJ, Godfrey C, McInerney P, et al. Best practice guidance and reporting items for the development of Scoping review protocols. JBI Evid Synth 2022;20:953–68.
- 46 Tricco AC, Lillie E, Zarin W, et al. PRISMA extension for Scoping reviews (PRISMA-SCR): checklist and explanation. Ann Intern Med 2018:169:467–73.
- 47 Peters MDJ, Marnie C, Tricco AC, et al. Updated methodological guidance for the conduct of Scoping reviews. JBI Evid Synth 2020;18:2119–26.
- 48 Laajasalo T, Cowley LE, Otterman G, et al. Current issues and challenges in the definition and Operationalization of child Maltreatment: A Scoping review. Child Abuse & Neglect 2023;140:106187.
- 49 Report of the consultation on child abuse prevention, 29-31 March 1999. In: *World Health Organization*. Geneva: WHO, 1999.
- 50 Olofson MW. A new measurement of adverse childhood experiences drawn from the panel study of income Dynamics child development supplement. *Child Ind Res* 2018:11:629–47.
- 51 University Library Medical University in Vienna. Scientific searching. Available: https://ub.meduniwien.ac.at/en/services/scientific-searching/
- 52 Lefebvre C, Glanville J, Briscoe S, et al. Chapter 4: searching for and selecting studies. In: Higgins JPT, Thomas J, Chandler J, et al, eds. Cochrane Handbook for Systematic Reviews of Interventions version. Cochrane, 2023: 6. 4. Available: www.training.cochrane.org/ handbook
- 53 World Health Organization. Statement on the fifteenth meeting of the IHR (2005) Emergency Committee on the COVID-19 pandemic. 2023. Available: https://www.who.int/news/item/05-05-2023-statement-on-the-fifteenth-meeting-of-the-international-health-regulations-(2005)-emergency-committee-regarding-the-coronavirus-disease-(covid-19)-pandemic
- 54 Roy Rosenzweig Center for History and. Zotero [Computer software]. 2016. Available: www.zotero.org/download

# **Appendix 1. List of Euro-CAN Cost Action Countries**

- 1. Albania
- 2. Austria
- 3. Belgium
- 4. Bosnia and Herzegovina
- 5. Bulgaria
- 6. Croatia
- 7. Cyprus
- 8. Denmark
- 9. Estonia
- 10. Finland
- 11. France
- 12. Germany
- 13. Greece
- 14. Hungary
- 15. Iceland
- 16. Ireland
- 17. Israel
- 18. Italy
- 19. Latvia
- 20. Lithuania
- 21. Malta
- 22. Moldova
- 23. Netherlands
- 24. North Macedonia
- 25. Norway
- 26. Poland
- 27. Portugal
- 28. Romania
- 29. Slovenia
- 30. Spain
- 31. Sweden
- 32. Switzerland
- 33. Turkey
- 34. United Kingdom

# **Appendix 2. Search Strategy for EMBASE**

	#23	#21 AND #22	741
	#22	[2020-2023]/py	5966784
	#21	#14 AND #20	808
	#20	#15 OR #16 OR #17 OR #18 OR #19	3492525
countries	#19	german*:ti,ab,kw OR swed*:ti,ab,kw OR austria*:ti,ab,kw OR cypr*:ti,ab,kw OR denmark*:ti,ab,kw OR danish*:ti,ab,kw OR spanish*:ti,ab,kw OR estonia*:ti,ab,kw OR albania*:ti,ab,kw OR moldov*:ti,ab,kw OR france*:ti,ab,kw OR french*:ti,ab,kw OR uk*:ti,ab,kw OR 'united kingdom*':ti,ab,kw OR britain*:ti,ab,kw OR british*:ti,ab,kw OR england*:ti,ab,kw OR scotland*:ti,ab,kw OR scotlish*:ti,ab,kw OR greece*:ti,ab,kw OR wales*:ti,ab,kw OR welsh*:ti,ab,kw OR greece*:ti,ab,kw OR italy*:ti,ab,kw OR italian*:ti,ab,kw OR israel*:ti,ab,kw OR italy*:ti,ab,kw OR italian*:ti,ab,kw OR latvia*:ti,ab,kw OR macedonia*:ti,ab,kw OR malta*:ti,ab,kw OR maltese*:ti,ab,kw OR norway*:ti,ab,kw OR norwegian*:ti,ab,kw OR norway*:ti,ab,kw OR bolland*:ti,ab,kw OR poland*:ti,ab,kw OR belgian*:ti,ab,kw OR belgian*:ti,ab,kw OR slovenia*:ti,ab,kw OR turk*:ti,ab,kw OR belgian*:ti,ab,kw OR belgian*:ti,ab,kw OR bosnia*:ti,ab,kw OR swiss*:ti,ab,kw OR ireland*:ti,ab,kw OR switzerland*:ti,ab,kw OR swiss*:ti,ab,kw OR ireland*:ti,ab,kw OR switzerland*:ti,ab,kw OR swiss*:ti,ab,kw OR ireland*:ti,ab,kw OR ireland	2695721
	#18	'cyprus'/exp	2985
	#17	'turkey (republic)'/exp	43243
	#16	'israel'/exp	36497
	#15	'europe'/exp	1857330
	#14	#9 AND #13	3975
COVID-19	#13	#10 OR #11 OR #12	460403

	#12	covid*:ti,ab,kw OR 'sars cov 2':ti,ab,kw OR coronavirus*:ti,ab,kw OR 'corona virus*':ti,ab,kw OR pandemic*:ti,ab,kw OR ncov*:ti,ab,kw	435804
	#11	'severe acute respiratory syndrome coronavirus 2'/exp	89780
	#10	'coronavirus disease 2019'/exp	306565
	#9	#5 AND #8	297818
	#8	#6 OR #7	1214291
abuse	#7	abus*:ti,ab,kw OR maltreat*:ti,ab,kw OR mistreat*:ti,ab,kw OR neglect*:ti,ab,kw OR violen*:ti,ab,kw OR harm*:ti,ab,kw OR cruel*:ti,ab,kw OR abandon*:ti,ab,kw OR groom*:ti,ab,kw OR manipulat*:ti,ab,kw OR exploit*:ti,ab,kw OR molest*:ti,ab,kw OR bully*:ti,ab,kw OR harass*:ti,ab,kw OR victim*:ti,ab,kw OR 'intentional injur*':ti,ab,kw OR punish*:ti,ab,kw OR incest*:ti,ab,kw OR assault*:ti,ab,kw	1204915
	#6	child abuse'/exp	44956
	#5	#1 OR #2 OR #3 OR #4	6876074
children	#4	child*:ti,ab,kw OR adolescen*:ti,ab,kw OR infan*:ti,ab,kw OR teen*:ti,ab,kw OR youth*:ti,ab,kw OR girl*:ti,ab,kw OR boy*:ti,ab,kw OR minor*:ti,ab,kw OR baby*:ti,ab,kw OR babies*:ti,ab,kw OR toddler*:ti,ab,kw OR paediatr*:ti,ab,kw OR pediatr*:ti,ab,kw OR newborn*:ti,ab,kw OR juvenile*:ti,ab,kw OR neonat*:ti,ab,kw OR famil*:ti,ab,kw OR preteen*:ti,ab,kw OR underage*:ti,ab,kw OR pubert*:ti,ab,kw OR pubescen*:ti,ab,kw OR 'pre teen*':ti,ab,kw	5349964
	#3	adolescent'/exp	1893239
	#2	child'/exp	3314367
	#1	infant'/exp	1271929

# Appendix 3. Draft data extraction form

udy ID	
ate of extraction	
ata extracted by	
ountries	
ge of children	Infants (<1y)
	Children (1-12ys)
	Adolescents (13-18y)s
	Infants (<1y) + Children (1-12ys)
	Children (1-12ys) + Adolescents (13-18ys)
	Infants (<1y) + Children (1-12ys) + Adolescents (13-18ys)
	Qualitative
	Quantitative Mixed
	methods
entification of maltreatment	Reported
	Identify through a search
	In the survey
	Flagged up
N	Not defined
C	Other: define
pe of maltreatment P	Physical
s	Sexual
P	Physical + sexual
P	Psychological
N	Neglect
C	Cyberbulling
N	Not defined
C	Other : define

Sex	female
	male
	other: define
	all types
Period	Pre-COVID
	During-COVID
	Both
Decision for the article	Inclusion
	Exclusion
	Exclusion but relevant informations for discussion
Year of publication	2020
	2021
	2022
	2023
Study date or Observation period as stated in	
the paper	
Study date and relation to lockdown: 1, 2, both, after as stated in the paper; information on lockdown periods of the relevant countries	
COST members	Albania, Austria ,Belgium ,Bosnia and Herzegovina, Bulgaria, Croatia,Cyprus, Czech Republic,Denmark,Estonia,Finland ,France Georgia ,Germany ,Greece,Hungary,Iceland ,Italy Latvia,Lithuania ,Luxembourg ,Malta,The Republic of Moldova , Montenegro, The Netherlands, The Republic of North Macedonia, Norway, Poland,Portugal ,Romania,Serbia,Slovakia, Slovenia,Spain, Sweden, Switzerland,Turkey ,Ukraine ,United Kingdom ,Israel ,South Africa
Study design	Case report/case series
	Cross-sectional study

Cohort study Mixed Other: define Not applicable Not defined  Data source  Questionnaire-based Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services Secondary health care services
Other: define Not applicable Not defined  Data source  Questionnaire-based Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Not applicable Not defined  Data source  Questionnaire-based Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Data source  Questionnaire-based Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Support services Primary health care services
Data source  Questionnaire-based Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Electronic records Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity Support services Primary health care services
Medical record Registries Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Registries Interview-based (qualitative only) Other: define Not defined  Data base Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity Support services Primary health care services
Interview-based (qualitative only) Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Other: define Not defined  Data base  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity  Support services Primary health care services
Not defined  Electronic hospital records Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity Support services Primary health care services
Data base  Electronic hospital records  Claims / reimbursement databases  Register  Database from a clinical study  Cohort  Not defined  Other: define  Area of activity  Support services  Primary health care services
Claims / reimbursement databases Register Database from a clinical study Cohort Not defined Other: define  Area of activity Support services Primary health care services
Register Database from a clinical study Cohort Not defined Other: define  Area of activity Support services Primary health care services
Database from a clinical study  Cohort  Not defined  Other: define  Area of activity  Support services  Primary health care services
Cohort  Not defined Other : define  Area of activity  Support services Primary health care services
Not defined Other : define  Area of activity Support services Primary health care services
Other : define  Area of activity  Support services  Primary health care services
Area of activity  Support services  Primary health care services
Primary health care services
Secondary health care services
Tertiary health care services
NGO working with vulnerable children
Medical
Social services (Child protection services)
Judicial / Police
National statistics / registers
Hotlines
Not defined
Other: define

Prevalence Care pathway Risk factor Not defined Other: define  Type pf publication  Research article Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National International	Statistical analysis	Incidence
Risk factor Not defined Other : define  Type pf publication  Research article Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Diver class Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National		Prevalence
Not defined Other : define  Research article Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Description of the proceeding (Abstract) Proxy report Report  White Black African Black Caribbean Asian Arab Mixed Other: define Participant's main characteristics: Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National		Care pathway
Type pf publication  Research article Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Dispersion of the proceeding (Abstract) Proxy report Report  White Black African Black Caribbean Asian Arab Mixed Other: define Participant's main characteristics: Middle class Upper class Mixed Not defined Other: define Participant's main characteristics: Area of Regional defined urban area Regional defined rural area County National		Risk factor
Type pf publication  Research article Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Dipper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National		Not defined
Conference proceeding (Abstract) Proxy report Report  Participant's main characteristics: Ethic origin Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined rural area County National		Other : define
Proxy report Report  Participant's main characteristics: Ethic origin  Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National	Type pf publication	Research article
Participant's main characteristics: Ethic origin  White Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National		Conference proceeding (Abstract)
Participant's main characteristics: Ethic origin  Black African  Black Caribbean  Asian  Arab  Mixed  Other: define  Participant's main characteristics: Socioeconomic status  Middle class  Upper class  Mixed  Not defined  Other: define  Participant's main characteristics: Area of residence  Regional defined urban area  Regional defined rural area  County  National		Proxy report
Black African Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined urban area Regional defined rural area County National		Report
Black Caribbean Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National	Participant's main characteristics: Ethic origin	White
Asian Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National		Black African
Arab Mixed Other: define  Participant's main characteristics: Socioeconomic status Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined rural area County National		Black Caribbean
Mixed Other: define  Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined rural area County National		Asian
Participant's main characteristics: Socioeconomic status  Middle class Upper class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence  Regional defined rural area County National		Arab
Participant's main characteristics: Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined rural area County National		Mixed
Socioeconomic status  Middle class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined rural area County National		Other: define
Upper class Upper class Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National	1	Lower class
Mixed Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National	Socioeconomic status	Middle class
Not defined Other: define  Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National		Upper class
Participant's main characteristics: Area of residence Regional defined urban area Regional defined rural area County National		Mixed
Participant's main characteristics: Area of residence  Regional defined urban area  Regional defined rural area  County  National		Not defined
residence  Regional defined rural area  County  National		Other: define
County  National		Regional defined urban area
National	residence	Regional defined rural area
		County
International		National
		International
Not defined		Not defined
Other : define		Other : define
Perpetrator characterictics yes	Perpetrator characterictics	yes
no		no
not defined		not defined

Type(s) of maltreatment: Single or multiple	Single
	Multiple
	Other descriptin of maltreatment
	Not defined
Increase vs. decrease	
	Increase
	Decrease
	Not defined
	Other, define
Main results regarding the objective (text)	