Epidemiology of *Taenia solium* infection in the Russian Federation in the last twenty years – a systematic review

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Supplementary **file 2:** Text1

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**Search protocol**

**Aim:** To collect and analyse epidemiological data on *T. solium* infection through a systematic review of scientific and grey literature, including official reports in the RF in the 2000-2019 period.

**Questions to answer:**

After 2000, began the economic recovery of the RF, but we did not find a review of data on the epidemiological characteristics of *T. solium* in these new circumstances.

**Methods:**

The review will be conducted in line with the PRISMA statement 2009 (<http://www.bmj.com/content/339/bmj.b2700#alternate>) and will include items from the PRIMSA checklist

Articles will be selected for inclusion into the systematic review through identification of all potentially relevant citations implementing the search strategy. Duplicates will be excluded, followed by screening of titles and abstracts with articles excluded if they do not report data of *T. solium* infection in the RF. Full text articles will be screened for exclusion criteria; those that pass the requirements will be utilised in the review. In addition, the official websites of the Russian government services will be searched, using search phrases, for official reports and reviews and epidemiological bulletins. Full text articles will then be analysed in their entirety and exempted if they only repeated the epidemiological data already published in the official reports. Relevant data from full-text articles and official reports will be extracted and entered into the spreadsheet.

**Databases:**

PubMed – <http://www.ncbi.nlm.nih.gov/pubmed>

Web of Science – <http://ipscience.thomsonreuters.com/product/web-of-science>

Google Scholar – <https://scholar.google.com/scholar>

DVGMU Library – Far Eastern Library of the Medical State University – <http://www.fesmu.ru/elib/Search.aspx?Catalog=1>

eLIBRARI.RU – Scientific Electronic Library – https://elibrari.ru/

Ciberleninka – https: //ciberleninka.ru/

OpenGrey – http://www.opengrey.eu/

Russian Scientific library – Library of dissertations –http://freereferats.ru/index.php?cat=91&page=14

**Search term**:

For international databases: (neurocysticercosis OR cysticercosis OR *pork tapeworm* OR taenia OR solium OR teniasis AND Russia).

For Russian databases (нейроцистицеркоз, цистицеркоз, свиной цепень, taenia solium, тениоз , Россия).

**Inclusion:**

* **Exclusion criteria**
* studies concerning a parasite other than T. solum;
* studies conducted outside to the RF;
* studies do not contain data for study period 2000-2019;
* studies presenting data not associated with the epidemiological characteristics of *T. solium* infection but rather focusing on clinical features, therapy or parasite biology;
* if the study was just a general review of the topic, without original data;
* studies presenting duplicate data.
* **Languages:** All
* **Year of data collection:** 1st January 2000 – 1st December 2020
* **Geographical range:** Russian Federation