### Additional file 2. Literature search strategy.

| Search Strategy | Terms | PubMed Search | Number of records retrieved |
|-----------------|-------|---------------|----------------------------|
| **MeSH terms**  | "Sexually Transmitted Diseases/epidemiology" [Majr] OR "Sexually Transmitted Diseases, Bacterial/epidemiology" [Majr] OR "Gonorrhea/diagnosis"[MeSH] OR "Gonorrhea/epidemiology"[MeSH] OR "Neisseria gonorrhoeae/diagnosis"[MeSH] OR "Neisseria gonorrhoeae/epidemiology"[MeSH]) | (“Sexually Transmitted Diseases/epidemiology”[Majr] OR “Sexually Transmitted Diseases, Bacterial/epidemiology”[Majr] OR “Gonorrhea/diagnosis”[MeSH] OR “Gonorrhea/epidemiology”[MeSH] OR “Neisseria gonorrhoeae/diagnosis”[MeSH] OR “Neisseria gonorrhoeae/epidemiology”[MeSH]) | 43,713 |
| **Keywords**    | Gonorrh*[tiab] OR gonococc* [tiab] | (gonorr* [tiab] OR gonococc* [tiab]) | 22,541 |
| **MeSH terms and Keywords combined with AND** | (((gonorr* [tiab] OR gonococc* [tiab]))) AND (((“Sexually Transmitted Diseases/epidemiology”[Majr] OR “Sexually Transmitted Diseases, Bacterial/epidemiology”[Majr] OR “Gonorrhea/diagnosis”[MeSH] OR “Gonorrhea/epidemiology”[MeSH] OR “Neisseria gonorrhoeae/diagnosis”[MeSH] OR “Neisseria gonorrhoeae/epidemiology”[MeSH])) | (((gonorr* [tiab] OR gonococc* [tiab]))) AND (((“Sexually Transmitted Diseases/epidemiology”[Majr] OR “Sexually Transmitted Diseases, Bacterial/epidemiology”[Majr] OR “Gonorrhea/diagnosis”[MeSH] OR “Gonorrhea/epidemiology”[MeSH] OR “Neisseria gonorrhoeae/diagnosis”[MeSH] OR “Neisseria gonorrhoeae/epidemiology”[MeSH]))) | 6,520 |
| **Mesh terms AND Keywords, with limitation of publication date (1 January 2010 to 11 April 2019)** | (((gonorr* [tiab] OR gonococc* [tiab]))) AND (((“Sexually Transmitted Diseases/epidemiology”[Majr] OR “Sexually Transmitted Diseases, Bacterial/epidemiology”[Majr] OR “Gonorrhea/diagnosis”[MeSH] OR “Gonorrhea/epidemiology”[MeSH] OR “Neisseria gonorrhoeae/diagnosis”[MeSH] OR “Neisseria gonorrhoeae/epidemiology”[MeSH]))) AND (“2010/01/01”[Date - Publication] : “2019/04/11”[Date - Publication]) | (((gonorr* [tiab] OR gonococc* [tiab]))) AND (((“Sexually Transmitted Diseases/epidemiology”[Majr] OR “Sexually Transmitted Diseases, Bacterial/epidemiology”[Majr] OR “Gonorrhea/diagnosis”[MeSH] OR “Gonorrhea/epidemiology”[MeSH] OR “Neisseria gonorrhoeae/diagnosis”[MeSH] OR “Neisseria gonorrhoeae/epidemiology”[MeSH]))) AND (“2010/01/01”[Date - Publication] : “2019/04/11”[Date - Publication]) | 2015 |

MESH=Medical subject headings. NA=not applicable.