Proposed name: SysReview

Purpose of SysReview **web-based platform**

SysReview is a web-based platform designed to streamline the process of conducting systematic reviews and other evidence syntheses. It helps researchers manage various stages of the review process, including screening references, extracting data, assessing risk of bias, and managing collaboration among team members. By automating some tasks and providing a centralized workspace, Covidence aims to improve the efficiency and quality of systematic reviews.

- **Reference Screening:**

SysReview helps with importing references from Scopus database, Web of Science, PubMed, Google Scholar in .CSV or RIS formats, de-duplication, and screening citations to identify potentially relevant studies.

- **Full-Text Review:**

It allows for uploading and reviewing full-text articles, making it easier to assess eligibility for inclusion in the review.

- **Data Extraction:**

SysReview provides tools for extracting relevant data from included studies, such as study characteristics, outcomes, and risk of bias assessments.

- **Quality Assessment:**

The platform supports assessing the risk of bias in included studies using various methods and tools.

- **Collaboration:**

SysReview facilitates collaboration among team members by allowing multiple reviewers to work on the same project, resolve conflicts, and track progress.

- **Exporting Data:**

SysReview enables the export of extracted data and references in various formats, including RevMan (Review Manager) and Excel, for further analysis.

- **Automation:**

SysReview uses machine learning to automate some tasks, like identifying randomized controlled trials (RCTs) and suggesting data extraction items, which can save time and effort.

- **Organization and Tracking:**

The platform helps organize the review process, track decisions, and maintain a clear audit trail.

- **Customization:**

SysReview for customization of review settings, including defining eligibility criteria and assigning roles to team members

Step-by-Step Procedure for Using Covidence in a Systematic Review
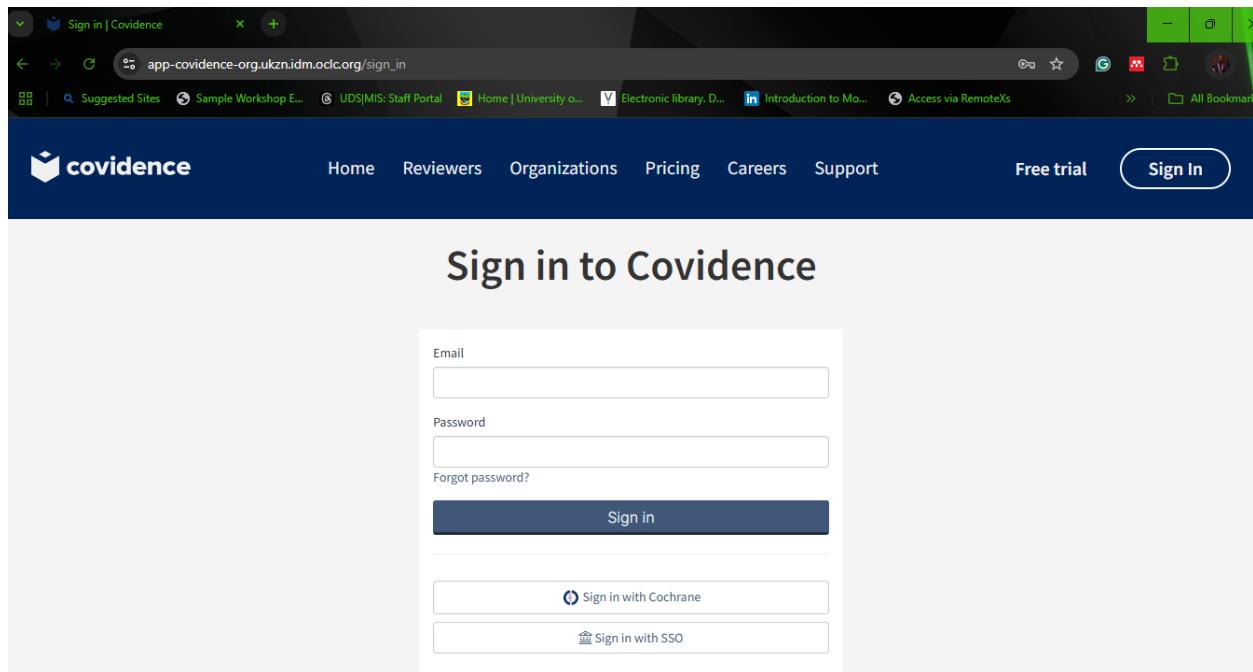
1. Account Setup & Review Creation

-Sign Up/Log In:

  - Go to [Covidence website](https://www.covidence.org).

  - Sign up (if new) or log in (if existing user). Academic emails often grant institutional access.
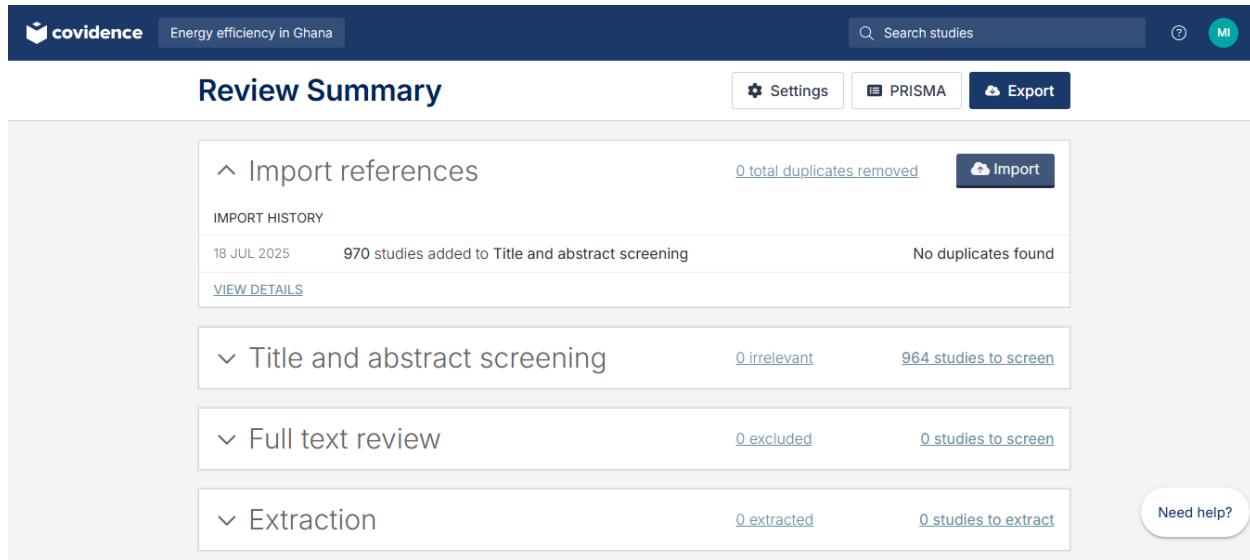
- Create a New Review:

 - Click "Create new review".

  - Enter:

    - Review title

    - Description (optional)

    - Type (e.g., intervention, diagnostic).

  - Click "Create".

2. Import References

- Upload References:

  - In your review dashboard, go to "Import studies".

  - Upload a file (e.g., `.ris`, `.bib`, `.csv` exported from databases like PubMed, Embase).

  - Select a reference manager format (e.g., EndNote, Zotero).

- Screen Upload:

  - Covidence checks for duplicates automatically.

  - Resolve any import errors (e.g., formatting issues).

3. Screen Studies

- Title/Abstract Screening:

  - Go to "Screen title & abstract".

  - Two reviewers independently screen each study:

    - Include: Relevant studies.

    - Exclude: Irrelevant studies.

    - Maybe: Uncertain studies.

  - Conflicts are flagged automatically for resolution.

- Resolve Conflicts:

  - Click "Conflicts" tab.

  - A third reviewer arbitrates disagreements.

- Full-Text Screening:

  - Go to "Screen full text".

  - Upload PDFs manually or via integrations (e.g., EndNote Click).

  - Two reviewers assess full texts:

    - Include/ Exclude with reasons (e.g., wrong population, no outcome data).

  - Resolve conflicts via the "Conflicts" tab.
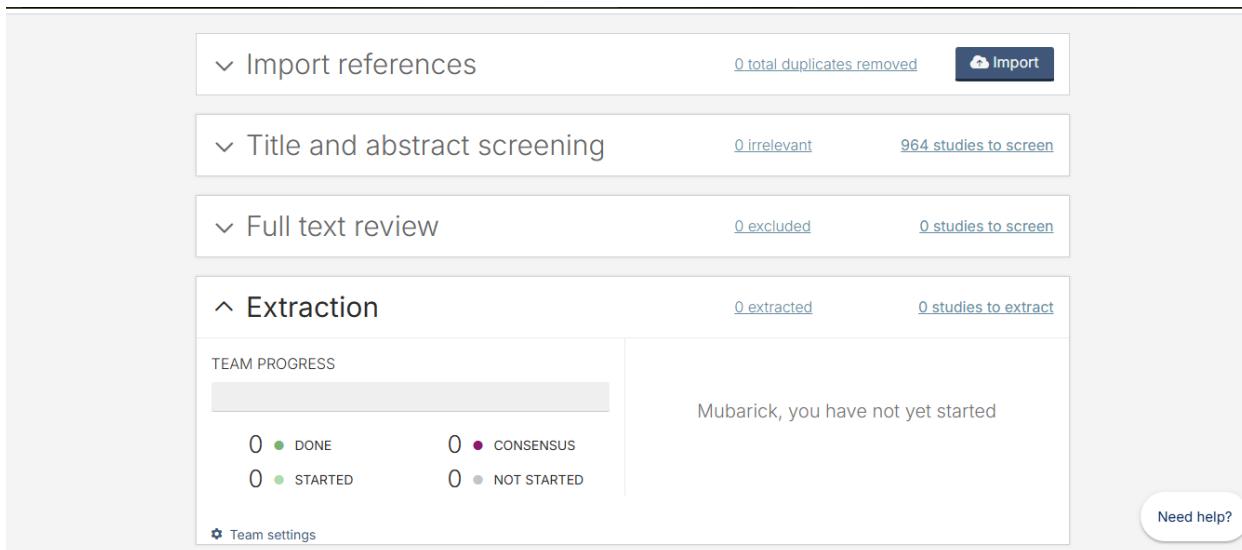
4. Data Extraction

- Design Extraction Form:

  - Go to "Data extraction" → "Create template".

  - Customize fields (e.g., study design, participants, outcomes) or use Covidence's default template.

- Extract Data:

  - Click "Begin extraction" for each included study.

  - Two reviewers extract data independently.

  - Disagreements are flagged for consensus.

5. Risk of Bias (RoB) Assessment

- Set Up RoB Tool:

  - Go to "Quality assessment" → "Create template".

  - Select a tool (e.g., Cochrane RoB 2, ROBINS-I, custom).

- Assess Studies:

  - Two reviewers independently evaluate RoB for each study.

  - Disagreements are resolved via consensus.

6. Export Data & Reports

- Export Results:

  - Go to "Export".

  - Download:

    - PRISMA flow diagram (auto-generated).

    - Included/excluded studies (CSV).

    - Extracted data (CSV/XLSX).

    - Risk of bias assessments (CSV).

- Integrate with Tools:

  - Export directly to RevMan, Excel, or statistical software for meta-analysis.

7. Manage Team & Settings

- Invite Reviewers:

  - Go to "Settings" → "Reviewers".
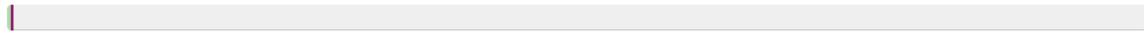
  - Enter collaborators' emails (assign roles: viewer, reviewer, admin).

- Customize Workflow:

  - Enable/disable modules (e.g., hide "Data extraction" until screening completes).

## Title and abstract screening

Team Progress

| 0 ● DONE | 4 ● ONE VOTE | 2 ● CONFLICTS | 964 ● NO VOTES |

REVIEWER	CONTRIBUTION	
Mubarick Issahaku	6	
Abdul-Razak Musah	2	
Adam Sandow Saani	0	

Rules

◉ Everyone can do anything   ○ Manage rules

Key Tips for Efficiency

- Deduplication: Covidence auto-removes duplicates, but verify during title/abstract screening.

- Keyboard Shortcuts: Use `I` (include), `E` (exclude), arrow keys to navigate.

- PRISMA Diagram: Automatically updated at each screening stage.

- Support**: Access tutorials via Covidence's [Knowledge Base](https://support.covidence.org).