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Title Abstract Screening in Sysrev

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol contains instructions on how to do the first stage of screening, called title abstract screening, in the Sysrev platform. Contact Melanie Gainey (mgainey@andrew.cmu.edu) if you are having any issues or have questions.

- 1 Create an account in Sysrev (<https://sysrev.com/>).
- 2 Use this link to join our project: [insert link to project]
- 3 These instructions and the Inclusion Exclusion criteria are linked in the Project Description field for easy access.

The screenshot shows the Sysrev interface for a project named 'Reflective-Practice' by user 'Melanie'. The 'Overview' tab is selected. In the description field, the text 'Here are the sysrev instructions and the inclusion exclusion criteria.' is circled in red. Below the description, there are sections for 'Review Status' (showing 0 articles reviewed of 2900 total) and 'Member Activity' (a grid showing activity for Melanie, kmozišek, kpiatt, and rsplenda). There are also buttons for 'Include', 'Exclude', 'Conflict', and 'Resolved' under the review status, and an 'Invite others to join' section with a 'Copy Invite Link' button.

This is where you will find important project documents.

- 4 Click on Review on the home screen to begin screening articles.

The screenshot shows the same Sysrev project page, but now the 'Review' tab is selected and highlighted with a red box. The 'Overview' tab is still visible in the navigation bar. The 'Review Status' section shows 0 articles reviewed of 2900 total. The 'Member Activity' section shows a grid for Melanie, kmozišek, kpiatt, and rsplenda. There are also buttons for 'Include', 'Exclude', 'Conflict', and 'Resolved' under the review status, and an 'Invite others to join' section with a 'Copy Invite Link' button.

Screening articles



- 5 Read the title and abstract of the article the platform is showing you and make a Yes or No decision to include based on the inclusion and exclusion criteria and hit the **Save** button. Sysrev will feed you the next article.

Making Yes or No Include decisions

- 6 **Some things to keep in mind as you screen:**
- If you are unsure whether an article should be included or not, select Yes. An inaccurate Yes decision can be fixed later, while an inaccurate No decision is not fixable as those articles are permanently removed from the project.
- 6.1 **Monitoring your progress:**
- It should take on average 3 minutes to screen each article - this is a rough estimate.
 - You can check how many articles you've screened on the Member Activity panel on the home screen (Overview tab).
- 6.2 **Incomplete, Non-English, or Duplicate Records:**
- If an article does not have an abstract, you can try to find the article on google and copy and paste it into the Notes field. If you are still unable to find it, select Yes.
 - If the article is not in English, you can try putting it in Google translate (copy and paste the English version in the Notes field). If still not sure, select Yes.
 - If you notice duplicate titles, you can select Yes or No based on the inclusion criteria and then add a note in the Notes field that it is a duplicate.
- 6.3 **Blind Review:**
- A key element of evidence synthesis projects is to reduce bias by using two independent and blind reviewers to make decisions (meaning that they are not aware of the other reviewer's decision). If you click on the Articles tab, you will be able to



see other people's decisions. We want to make independent blinded decisions, so avoid looking at that tab as you screen.

Protocol references

Bozada T, Borden J, Workman J, Del Cid M, Malinowski J and Luechtefeld T (2021) Sysrev: A FAIR Platform for Data Curation and Systematic Evidence Review. *Front. Artif. Intell.* 4:685298. doi: 10.3389/frai.2021.685298