Running a systematic review service from home

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Nutrition Evidence Systematic Review

August 2020
Librarians are well positioned to improve the quality of systematic reviews

2,500
At least 2,500 new systematic reviews are published each year.¹

! Poor review quality is “the norm rather than the exception.”²

Involving librarians correlates with better methodological rigor.³⁻⁵

🔄 Librarians often refine research plans in addition to providing search expertise.⁶

¹https://doi.org/10.1007/s00134-017-5039-y
²https://doi.org/10.11124/JBISRIR-2017-003552
³https://doi.org/10.1016/j.jclinepi.2014.11.025
⁴https://doi.org/10.5195/jmla.2016.139
⁵https://doi.org/10.1371/journal.pone.0125931
⁶https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5624428/
Systematic review tips every librarian should know

Read our systematic review tips for librarians. Learn what they are and discover best-practice search tips and guides for researchers at your institution. You can also register for our webinar to learn more.

Librarians bring unique value to the systematic review process. Your knowledge of databases and search strategies can help researchers at your institution create a robust, well-documented protocol, supported by best-practice tools and resources.

That is, of course, if you’ve helped with systematic reviews many times over.

If you’re new to the field or want to brush up on your knowledge about systematic reviews, this blog is designed to help.
Our guest speaker

We have the pleasure of co-presenting with Gisela Butera in this session today.

Gisela Butera, MLIS, M.Ed.
Systematic Review Librarian,
Nutrition Evidence Systematic Review

Gisela Butera works for Panum Group as a Systematic Review Librarian for the USDA, Nutrition Evidence Systematic Review (NESR) team. Before joining USDA she worked at the School of Medicine and Health Sciences, Himmelfarb Health Science Library, George Washington University.
Disclosure

No conflicts to disclose.
Overview

- Brief introduction to USDA's Nutrition Evidence Systematic Review team
- Working Remotely on a Systematic Review
- EndNote Screening: Saving Time/Streamline Process
- EndNote Customization: Adding PubMed Links
- EndNote Shared Libraries: Manuscript/Report Writing
- Lessons Learned
USDA’s Nutrition Evidence Systematic Review (NESR) conducts food and nutrition systematic reviews

- NESR systematic reviews are research projects that answer a clearly formulated scientific question by searching for, evaluating, analyzing, and synthesizing nutrition evidence.
  - NESR methodology is rigorous, transparent, and aligned with best practices
  - NESR collaborates with expert groups to review the state of the science on various nutrition and health topics.

- USDA and HHS work together to produce the *Dietary Guidelines for Americans*.

### NESR Systematic Review Methodology

- Develop high-priority questions
- Search for and screen studies
- Extract data and assess risk of bias
- Synthesize the evidence
- Answer the question; grade the evidence
- Recommend future research
Meet the NESR team of scientists who have expertise in systematic review methodology and nutrition science.

* Two librarians assigned to the 2020 Dietary Guidelines
  * Peer-review all search strategies
Working Remotely: Systematic Review Team

- **Scheduling Meetings**
  - Different Time Zones
  - Work hours

- **Technology**
  - Webinar
    - (WebEx/Microsoft Teams)
  - Software
    - (EndNote & DistillerSR)
  - Training Staff
  - Wi-Fi/Bandwidth/VPN

- **Keeping Organized**
  - Sharing Documents/Files
  - SharePoint/PartnerWeb
  - Productivity
EndNote: Screening
Saving Time/Streamline Process

United States Department of Agriculture
Center for Nutrition Policy and Promotion
Systematic Review – EndNote Screening

What can be screened within EndNote?

- **Benefits:**
  - Saves time
  - Identify I/E records
  - Streamline the process

- **Example: Clinical Trials**
  - Cochrane CENTRAL includes:
    - ClinicalTrials.gov
    - WHO's International Clinical Trials Registry Platform

- Saves time
- Identify records
- Streamline
Systematic Review – EndNote Screening

- Cochrane CENTRAL includes ClinicalTrials.gov and the WHO's International Clinical Trials Registry Platform.

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<tr>
<td>Actrn</td>
<td>Australian New Zealand Clinical Trials Registry (ANZCTR)</td>
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<td>Chi, Ctr</td>
<td>Chinese - Chinese Clinical Trial Registry (ChiCTR)</td>
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<td>India - Clinical Trials Registry - India (CTRI)</td>
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Systematic Review – EndNote Screening

- Cochrane CENTRAL Screen for Clinical Trials
  - Go to Groups drop-down menu select Create Smart Group
  - Journal/Secondary Title Field
  - “http”
Systematic Review – EndNote Screening

- **Smart Group – Clinical Trials**
  - Author Field: CT acronym
  - Journal field: CT URL

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EndNote: Customization
Adding PubMed Links
EndNote Customization: PubMed Links

- Go to **Tools** tab, drop-down menu select **Change/Move/Copy Fields**
- Select the **Move/Copy Fields** tab
- Select the **Copy Field** radio button
- In the **From** drop-down menu select **Accession Number**
- In the **To** drop-down menu select **URL**
- Select the **replace entire field** radio button and select **OK**.
EndNote Customization: PubMed Link

- From the **Tools** menu, choose **Change/Move/Copy Fields**
- Select the **Change Fields** tab
- From the **In:** drop-down menu, choose **URL**
- Select the **Insert before fields text** radio button
- Add this path to the box in the change fields window: [https://www.ncbi.nlm.nih.gov/pubmed/](https://www.ncbi.nlm.nih.gov/pubmed/)
- **Uncheck** the **include a space before the new text** box. Select **OK**.
EndNote Customization: PubMed Link

Edit NLM Citation Style – Journal Article include URL

DistillerSR – records will include PubMed Link


Source: National Institutes of Health (NIH) Library
EndNote Shared Libraries: Collaboration

Created EndNote Team

- **Create an EndNote Plan**
  - Assign EndNote point-person for each chapter
  - EndNote Library for each chapter
  - Weekly/regular meetings

- **Shared Libraries**
  - Invite/share with SR team + Librarian
  - Importing references
  - Syncing libraries

- **Training/Helpful Resources**
  - SR Team level of EndNote expertise ranged from experienced to novice
  - Internal training support/resources
  - EndNote Customer Support/Chat!
EndNote: Lessons Learned

- **Begin Training Early**
  - Provide EndNote training early to all levels of experience
  - Share resources, tips
  - Attend EndNote webinars, training!

- **Explore How Best to use EndNote**
  - Discuss what can be better screened in EndNote
  - Customize EndNote output styles
  - Removal of Duplicates

- **Shared Library Feature Improved Collaboration**
  - Teamwork supports collaboration/control
  - Conflict resolution feature
  - Reduce errors/maximized teamwork
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NESR.usda.gov
gisela.butera@usda.gov
EndNote Tips for Systematic Reviews
Flexible workflows

Use EndNote on its own to complete your review, or in combination with other commonly used systematic review tools.

Easily transfer files between EndNote and other systems via import and export.
Custom filters for difficult sources

Some sources do not have an export option for reference management applications like EndNote.

You can create new Filters to import most export formats into EndNote, and our support team is ready to help, if needed.
De-duplication tips

• **By default**, EndNote compares Author field, Year field, Title field, and Reference Type when looking for duplicates.

• **Reconfigure** EndNote’s Find Duplicates search by choosing up to 15 comparison fields.

• Consider performing **multiple rounds** of duplicate searching, using different criteria to efficiently and accurately remove duplicates.

• **Do not Trash** your duplicates. Either put them into a **group**, or a **separate library**, so they can form part of your audit trail.

EndNote 20, we will be adding options for DOI and PMCID.

Save time with custom styles

Speed up the process of each round of consideration in your review by creating unique output styles to control how information displays.

A few seconds saved on each record soon adds up when you’re dealing with thousands!
Save time with custom styles

Using a customized **Tab Delimited** output style when exporting references to Excel minimizes the time and effort you need to spend manipulating the data in your worksheet.

Include an ID to reliably match records back to EndNote.
Assist workflow with custom styles

When exporting to speciality software such as Covidence or DistillerSR, use a custom style to generate a special tagged text file of your references to ensure all the required information is transferred.

Talk to the provider to fully understand how it works and ensure data does not go missing.
Save time with PDF customization

When exporting to speciality software such as Covidence or DistillerSR, you can set the naming conventions for PDFs in EndNote before attaching them to references.

If you have already attached PDFs, EndNote can rename them all for you.

Distiller: rename the pdfs according to the RefID in order to bulk upload

Covidence: rename the PDFs using Author-Year, or Author-Title-Year
Stay organized with groups

Use the three types of group in EndNote:

- Custom
- Smart
- Combination

to organize references, so that the information you need is easily accessible and to reduce the number of manual tasks the reviewer has to undertake.
Save time with template libraries

Save time by setting up a template library, with pre-defined groups and term lists to start a new review project with less legwork.

This can also help to provide a consistent approach to reviews.
Sharing libraries

A review will usually involve more than one person, in these situations sharing information is key.

There are several ways to share EndNote libraries:

• Shared via a network drive
• Share Library (desktop)
• Share Groups (online)
Additional Resources

Videos that relate to features covered in this presentation:

Sharing a Library:
https://videos.webofsciencegroup.com/watch/MFKXkz8R85ErpVq8f9wd23

Journal Term Lists:
https://share.vidyard.com/watch/hmNTd6Rz6n9EJ2rBY398cV

Find Reference Updates:
https://share.vidyard.com/watch/NNuY6UHY6eTFJQCnWpb4Zj

EndNote features you might not know about:
https://share.vidyard.com/watch/Af5WPmtJWtjTbRCgZc9Bn5

Free online training sessions, like our Q&A sessions.

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<th>Start</th>
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Additional Resources

Web of Science Group Learning
Get all the support and training you need to make the most of your Web of Science Group products

Videos
Self-Guided Learning
Live Training
LibGuides
Thank you

Please email subsequent questions to:

Jimmy McColery

jimmy.mccolery@clarivate.com

clarivate.com