



WHAT WORKS?

Exploring Clinical Effectiveness Research in PubMed Health

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About me and the NNLM:

- Graduate work at the Universities of Pennsylvania and Washington, in public health and demography (and later, librarianship!)
- 10 years as epidemiologist in assessment unit at Public Health-Seattle & King County
- 8 years as medical librarian at what's now Kaiser Permanente-Washington, at The Seattle Public Library, and now at the University of Washington in the NNLM
- NNLM= 8 regional offices, serve as outreach arms/branches of the National Library of Medicine

Today's presentation

- What is PubMed Health?
- (And how is it different than PubMed?)
- Finding systematic reviews
- Filtering by methods
- Consumer health focus
- Search tips
- Further exploration


What is PubMed Health?

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





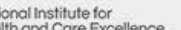

PubMed Health PubMed Health





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What works?
Clinical effectiveness.

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Overview of PubMed Health (PMH)

- Specializes in reviews of clinical effectiveness research
- Based on systematic reviews (SRs) of clinical trials
- Summaries and full texts of selected SRs in one place
- Includes a methods resources collection with best stats techniques for SRs and effectiveness research
- Has extensive links and resources for consumers; includes easy-to-read summaries such as plain language summaries from Cochrane

How is it different than PubMed?

- It is in effect a subset of PubMed (some small exceptions)
- It includes content only from selected providers and partners that focus on clinical effectiveness
- It has a different search strategy as a result
- Its content is curated
- Some of its content starts in PMH and moves to PubMed
- It has amazing filters that PubMed does not
- It has links to content for consumers that PubMed does not
- It has an excellent glossary

Sections to browse:

- [Health A-Z](#) – the PubMed Health glossary and more
- [For Researchers](#)
- [What's New](#)
- [What is Clinical Effectiveness Research?](#)
- [What is a Systematic Review?](#)
- [Finding Systematic Reviews](#) at PubMed Health and PubMed
- [Understanding Research Results](#) – free books
- [Blog](#)

Home > Methods Resources

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

Methods Resources: Results 1-33

A Bayesian Missing Data Framework for Multiple Continuous Outcome Mixed Treatment Comparisons [Internet]

A Framework To Facilitate the Use of Systematic Reviews and Meta-Analyses in the Design of Primary Research Studies [Internet]

A Framework for "Best Evidence" Approaches in Systematic Reviews [Internet]

A Generalised Linear Modelling Framework for Pairwise and Network Meta-Analysis of

PubMed Health PubMed Health

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Home > For Researchers

For Researchers

We specialize in [clinical effectiveness research](#), and information from PubMed Health. Clinical effectiveness research looks for answers to "What works?", in health and medicine.

We also develop resources to help researchers with the complex process of [reviewing](#). Systematic reviewing is a key part of clinical effectiveness research – but it's used across many research areas, too.

We gather resources to help everyone else understand the research process as well, including in [our collection of free online books](#).

Systematic review methods filter at PubMed

When you search in PubMed Health, you are simultaneously running two searches in PubMed. Result searches are shown to the right of the PubMed Health results.

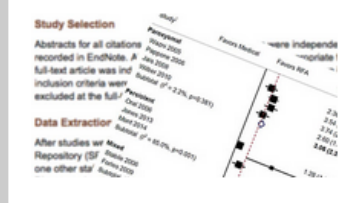
The first of those PubMed searches looks for systematic reviews, using [the Clinical Queries filter](#). The results are shown under the "Systematic Reviews in PubMed" heading.

The second PubMed search uses a systematic review methods filter to find methods guidance and studies. Results are shown under the "Systematic Review Methods in PubMed" heading.

Find out more about [what is included in the "Sysrev Methods" filter and how to use it](#).

Resources on effectiveness research methods at PubMed Health

PubMed Health is also a home for our information partners' methods research guidance and studies.



Study Selection
Abstracts for all citations recorded in EndNote. Full-text articles were included at the full-text level. Exclusion criteria were applied at the full-text level. 2,276 (100%) records were included at the full-text level. 1,000 (44%) records were excluded at the full-text level. 1,276 (56%) records were included at the full-text level.

Data Extraction
After studies were identified, data were extracted from the full-text articles. 1,276 (56%) records were included at the full-text level. 1,000 (44%) records were excluded at the full-text level. 1,276 (56%) records were included at the full-text level.

Finding SRs

NOTE: The results are sorted by relevance, not date! This result set does have a 2017 result and other recent ones

The screenshot shows the PubMed Health search results for 'macular degeneration'. The page includes a navigation bar with links for 'About', 'Home', 'See us on Facebook', 'Follow us', 'Add us', and 'He'. The search bar contains 'macular degeneration' and a 'Search' button. Below the search bar is a menu with options: 'Contents', 'For researchers', 'What's new', 'Featured review', 'Understanding clinical effectiveness', and 'Blog'. The main content area shows 'Home > Search Results' and a list of filters on the left, including 'Article types', 'Added to PubMed Health', 'Content providers', 'Effectiveness research methods', and 'Additional filters'. The search results are displayed in a list format, with the first result highlighted in a box: 'About - Age-Related Macular Degeneration (Macular degeneration)'. The results are sorted by relevance, and the page shows 'Results: 1 to 20 of 124'. On the right side, there are options to 'Download or email', 'Create alert', and 'Create RSS'. Below the search results, there are sections for 'Systematic Reviews in PubMed' and 'Systematic Review Methods in PubMed'.

PubMed Health PubMed Health macular degeneration Search

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Home > Search Results

Article types
Consumer information
Systematic reviews
Clinician information
Educational resources
Methods resources

Added to PubMed Health
In last 7 days
In last 30 days
Custom range...

Content providers
AHRQ (US Agency for Healthcare Research and Quality)
Cochrane Collaboration
NCI (US National Cancer Institute)
More ...

Effectiveness research methods
Methods guidance
Methods studies
Methods systematic reviews

Additional filters
Systematic reviews with quality assessment
Reviews from DARE

Clear all

About - Age-Related Macular Degeneration (Macular degeneration)
A slow breakdown of cells in the center of the retina (the light-sensitive layers of nerve tissue at the back of the eye). This blocks vision in the center of the eye and can cause problems with activities such as reading and driving.

Results: 1 to 20 of 124 << First < Prev Page 1 Next > Last >>

- [Ranibizumab in Treating Age-Related Macular Degeneration \[Internet\]](#)
Conclusions
Swedish Council on Health Technology Assessment (SBU).
Version: May 21, 2008
- [Macular translocation for age-related macular degeneration](#)
It is unclear if **macular** translocation can improve vision in patients with wet AMD, the form of age-related **macular degeneration** (AMD) caused by the abnormal growth
Cochrane Database of Systematic Reviews: Plain Language Summaries [Internet] - John Wiley & Sons, Ltd.
Version: 2009
- [Surgical removal of choroidal neovascularisation in patients with neovascular age-related macular degeneration](#)
We found two large multicentre studies conducted in 790 people affected by choroidal neovascularisation, with or without extensive blood beneath the macula. The results
Cochrane Database of Systematic Reviews: Plain Language Summaries [Internet] - John Wiley & Sons, Ltd.
Version: 2009
- [Photodynamic therapy for treating age-related macular degeneration](#)
Photodynamic therapy involves injecting a photosensitive chemical (verteporfin) into the blood stream then radiating light onto the affected area of the retina as the
Cochrane Database of Systematic Reviews: Plain Language Summaries [Internet] - John Wiley & Sons, Ltd.
Version: 2009

Download or email
Create alert
Create RSS

Systematic Reviews in PubMed

- Association of Apolipoprotein E Polymorphisms with Age-related Macular Degeneration Subtype [Arch Med Res. 2017]
- Ranibizumab in Treating Age-Related Macular Degeneration [Internet] [2008]
- Novel evidence for complement system activation in chick myopia and hyperopia models: a meta-analysis [Sci Rep. 2017]
- Anti-Vascular Endothelial Growth Factor Drugs for the Treatment of Retinal Conditions: A Review of the Safe [2017]
- Tele-ophthalmology for Age-Related Macular Degeneration and Diabetic Retinopathy Screeni [Telemed J E Health. 2017]

See all (732)...

Systematic Review Methods in PubMed

- The impact of data errors on the outcome of randomized clinical trials. [Clin Trials. 2017]
- Review and comparison of methodologies for indirect comparison of clinical [Expert Rev Pharmacoecon Outcom...]
- Interventions for Age-Related Macular Degeneration: Are Practice Guidelines Based on System [Ophthalmology. 2016]
- Cost Effectiveness Models in Age-Related Macular

Filtering for methods resources



[Clear all](#)

Article types

Consumer information

Systematic reviews

Clinician information

Educational resources

✓ **Methods resources**

Added to PubMed Health

In last 7 days

In last 30 days

Custom range...

Content providers

AHRQ (US Agency for Healthcare Research and Quality)

Cochrane Collaboration

NCI (US National Cancer Institute)

More ...

Effectiveness

clear

About - [Age-Related Macular Degeneration \(Macular degeneration\)](#)

A slow breakdown of cells in the center of the retina (the light-sensitive layers of nerve tissue at the back of the eye). This blocks vision in the center of the eye and can cause problems with activities such as reading and driving.

Results: 12

i Filters activated: Methods resources. [Clear all](#)

[Evaluation of Biomarkers and Surrogate Endpoints in Chronic Disease](#)

Many people naturally assume that the claims made for foods and nutritional supplements have the same degree of scientific grounding as those for medication, National Academies Press (US).

Version: 2010

+ [Show search results within this document](#)

[Use of Mixed Treatment Comparisons in Systematic Reviews \[Internet\]](#)

To summarize publically available guidance for, and current use of, meta-analytic methods for mixed treatment comparison (MTC) evidence synthesis; to identify Methods Research Reports - Agency for Healthcare Research and Quality (US).

Consumer Health Focus

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PubMed Health PubMed Health

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Home > Health A – Z > Age-Related Macular Degeneration

Age-Related Macular Degeneration (AMD) (Macular degeneration)

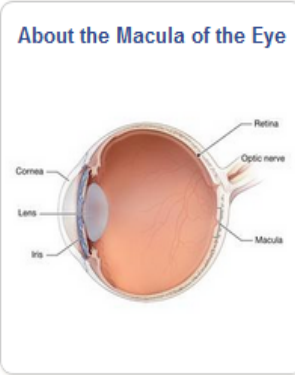
A slow breakdown of [cells](#) in the center of the [retina](#) (the light-sensitive layers of [nerve tissue](#) at the back of the [eye](#)). This blocks vision in the center of the eye and can cause problems with activities such as reading and driving.

PubMed Health Glossary
(Source: NIH - National Cancer Institute)

[Symptoms](#) [Tests](#) [Treatments](#) [Prevention](#)

Part of: [Retinal Disorders, Eye Disorders \(Eye Diseases\)](#)

About the Macula of the Eye



The diagram shows a cross-section of the human eye. Labels include: Cornea (front), Lens, Iris, Retina (back), Optic nerve (side), and Macula (center of the retina).


About Age-Related Macular Degeneration

AMD is a common [eye](#) condition and a leading cause of vision loss among people age 50 and older. It causes damage to the [macula](#), a small spot near the center of the [retina](#) and the part of the eye needed for sharp, [central vision](#), which lets us see objects that are straight ahead.

In some people, AMD advances so slowly that vision loss does not occur for a long time. In others, the disease progresses faster and may lead to a loss of vision in one or both [eyes](#). As AMD progresses, a blurred area near the center of vision is a common symptom. Over time, the blurred area may grow larger or you may develop blank spots in your [central vision](#). Objects also may not appear to be as bright as they used to be.

AMD by itself does not lead to complete blindness, with no ability to see. However, the loss of [central vision](#) in AMD can interfere with simple everyday activities, such as the ability to see faces, drive, read, write, or do close work, such as cooking or fixing things around the house... [Read more about Age-Related Macular Degeneration](#) [NIH - National Eye Institute](#)

More about Age-Related Macular Degeneration



Also called: Macular degeneration, ARMD

Other terms to know:
Central Vision, Drusen, Fovea

Related articles:
[How the Eye Works](#)

Keep up with systematic reviews on Age-Related Macular Degeneration:

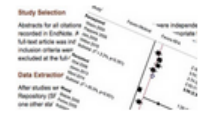
Create e-mail alerts with My NCBI

Create RSS

PubMed Health Blog...

New Research Methods - Plus a PubMed Filter

If you're interested in research methods behind systematic reviews, we've now made it easier to find them.



Search tips

- Use the filters on the left
- Try to narrow your search terms (“diabetes” will give you 3500+ results—there are A LOT of SRs out there!)
- Check out the glossary for better terms to use, especially for methods
- If you have an SR from a PubMed search, enter it in PMH so you can get additional links in the record

Improvements coming...

- More focus on educational resources
- Enhanced presence on social media (check out their FB and Twitter presence, and also the blog linked from the home page)
- New partnerships being added (CDC and WHO)
- Better functionality with NCBI accounts

Further exploration

- Check out the “What’s New” page!
- Familiarize yourself with the content providers
- Understand how to use the “Systematic Review Methods Filter” directly in PubMed:
 - Use this search string in [PubMed's search box](#):
 - sysrev_methods [sb]
 - You can combine it with other search terms, [for example](#):
 - sysrev_methods [sb] AND meta-analysis
- Use the link provided to set up PMH and PubMed alerts (and a MyNCBI account!)

Questions? Contact me!

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New Health Literacy Toolkit from Libraries Transform

BECAUSE LIBRARIES ARE PARTNERS IN A HEALTHY COMMUNITY

NNLM and ALA have partnered through the Libraries Transform public awareness campaign to create a free toolkit for Health Literacy. The campaign is an initiative designed to increase public awareness of the value, impact, and services provided by libraries and library professionals.

[Learn More!](#)



Webinars

- [PNR Rendezvous](#) is a monthly webinar series focusing on a health science topic or resource for you to share and use in your work.
- [PNR Partners](#) is a series showcasing the work of our funding recipients. Through hearing the stories of the successes and challenges of these projects we hope listeners will be inspired to create their own projects and apply for PNR funding.
- [NNLM Resource Picks](#) is a new bimonthly webinar series offered by the National Network of Libraries of Medicine. Every two months,

The NNLM PNR Wants You!

IS YOUR ORGANIZATION A MEMBER?

Join libraries, community organizations and data organizations that provide quality health information and research. Membership is free, and benefits include access to a network of colleagues, specialized training and funding opportunities.

[Join the Network Today!](#)



Where in the World are the PNR Coordinators?

COMING PNR EXHIBITS/PRESENTATIONS

- [Montana Public Health Association/Montana Environmental Health Association Annual Conference and Meeting](#)
- [African-American Diabetes Community Forum](#)
- [Idaho Library Association Conference](#)
- [Montana Education Association and Montana Federation of Teachers Conference](#)
- [Northwest Regional Primary Care Association Conference](#)
- [OHSU Library Data Science Institute](#)



Regional Partners

Idaho State University

Best Practice in Decision-Making: Educational Training Program on Evidence-based Management for Health Administrators in the PNR

Pacific University

Knowledge is Health: Interprofessional Partnerships to Promote Health Literacy

University of Alaska Anchorage

Information Resources for Alaska's Healthcare Providers and Consumers: Outreach in the Last Frontier

Washington State University-Spokane

Health Professions Outreach in Eastern Washington

[Directory of Member Organizations](#)

[Partnerships](#)

Blogs, Lists, & Bulletins

- [Dragonfly \(PNR blog\)](#)
- [Bringing Health Information to the Community \(BHIC blog\)](#)
- [HLIB-NW Discussion List](#)
- [MedLib-L Discussion List](#)
- [NLMTech Bulletin](#)