

How to Use PubMed

What is PubMed?

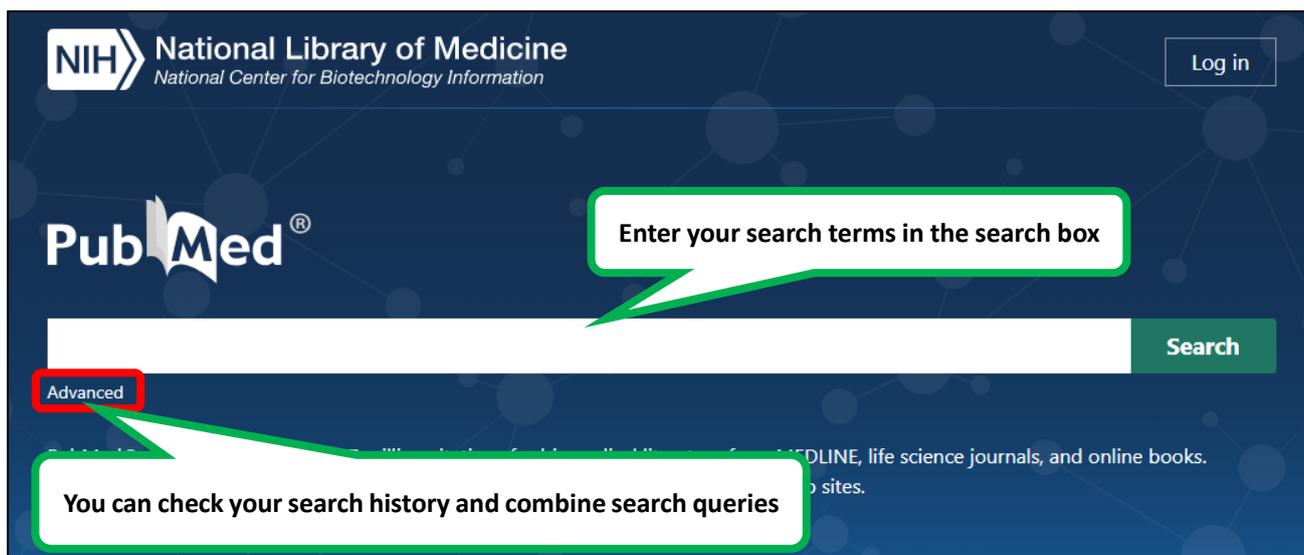
PubMed is a free database that allows users to search for articles published in major medical journals worldwide. It contains over 34 million bibliographic records from more than 5,700 journals dating back to 1946. The database includes links to full-text articles. However, access to the full text depends on subscription agreements.

■ Accessing PubMed

Access the library website (<https://www.kmu.ac.jp/library/>) and click on "PubMed(関西医大専用入口)" from the "情報検索・学術ツール" menu on the left side of the screen.

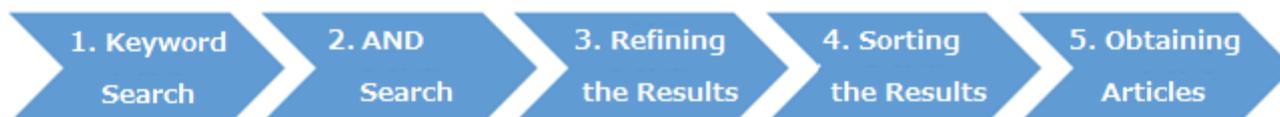
By accessing PubMed through this route, you'll see an icon with our university's name  set by the library in the detailed data view. This icon allows you to check full-text availability and holdings information. As a result, you can seamlessly move from searching to obtaining full-text articles.

It may be convenient to bookmark the PubMed website accessed through this dedicated entrance for future use.



■ Basic Search

Example: To search for papers related to both "pandemic influenza" and "tamiflu"



To search for papers related to either "pandemic influenza" OR "tamiflu", use the OR Search (OR operator)

1. Keyword Search

I. Enter "pandemic flu" in the search box and perform the search.



A search box with the text "pandemic flu" entered. To the right of the text is a small 'X' icon. Further right is a green button with the word "Search" in white. Below the search box, the word "Advanced" is written in a smaller font.

II. Similarly, enter "tamiflu" in the search box and perform the search.



A search box with the text "tamiflu" entered. To the right of the text is a small 'X' icon. Further right is a green button with the word "Search" in white. Below the search box, the word "Advanced" is written in a smaller font.

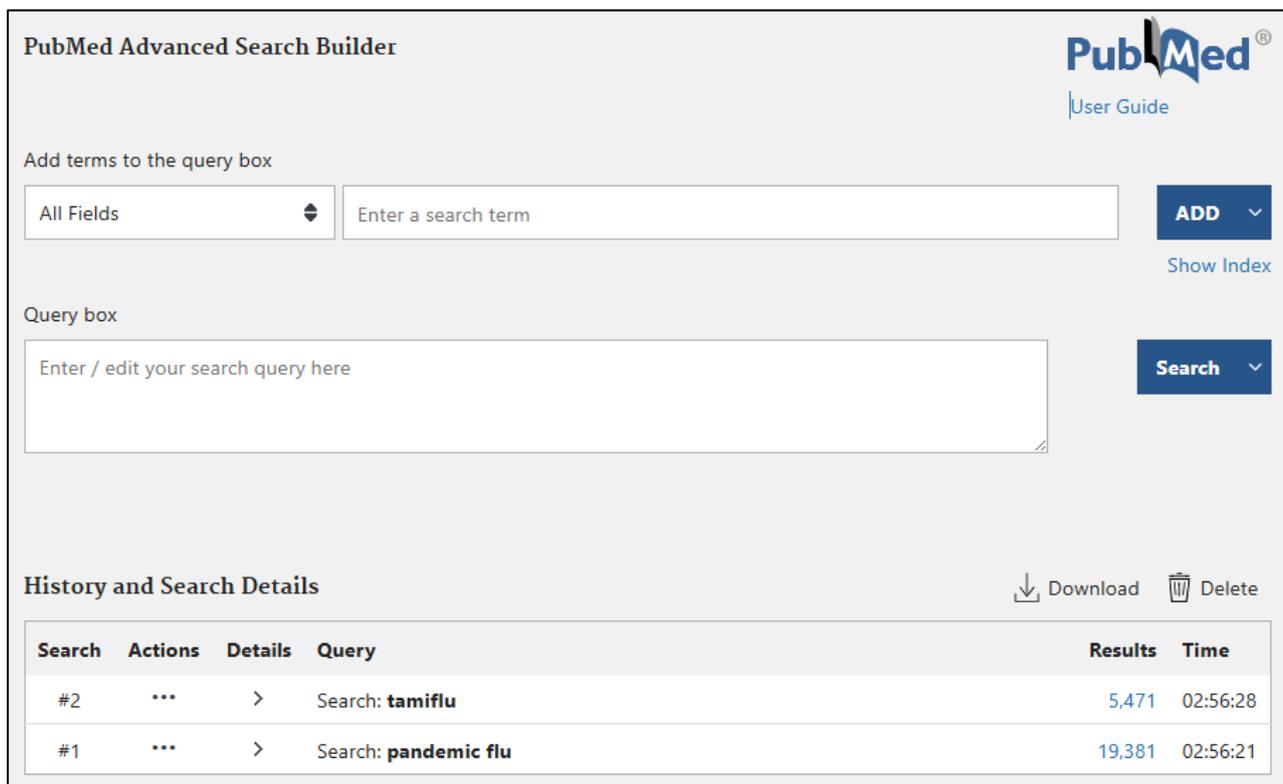
****Input Guidelines**

When entering search terms in PubMed, please note the following rules:

- Keywords can be entered in either uppercase or lowercase; the search results will be the same
- Logical operators AND, OR, and NOT should be entered in uppercase
- To force a phrase search, enclose the terms in quotation marks (e.g., "pandemic influenza")

2. AND Search

We have searched for "pandemic flu" and "tamiflu" separately, but to find literature related to both, we will use the search history to perform an AND search. Click on "Advanced" below the search box, and the following screen will appear. (Explanation on the next page)



The screenshot shows the PubMed Advanced Search Builder interface. At the top right is the PubMed logo and a "User Guide" link. Below this is a section for adding terms to the query box, featuring a dropdown menu set to "All Fields", a text input field with the placeholder "Enter a search term", and an "ADD" button. A "Show Index" link is also present. Below this is a "Query box" with a text input field containing the placeholder "Enter / edit your search query here" and a "Search" button. At the bottom, there is a "History and Search Details" section with "Download" and "Delete" icons. A table below this section shows the search history:

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: tamiflu	5,471	02:56:28
#1	...	>	Search: pandemic flu	19,381	02:56:21

At the bottom of the screen, the History and Search Details section displays the searches you've previously conducted. #1 represents the first search (pandemic flu), and #2 represents the second search (tamiflu).

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: tamiflu	5,471	02:56:28
#1	...	>	Search: pandemic flu	19,381	02:56:21

Click on "..." in the Actions column for #1 to open a menu. Then, click on "Add query" in the menu, and the search query for #1 will be added to the Query box at the top.

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: tamiflu	5,471	02:56:28
#1	...	>	Search: pandemic flu	19,381	02:56:21

Showing 1 to 2 of 2

- Add query
- Delete
- Create alert

Similarly, click on "..." in the Actions column for #2 to open a menu. Then, click on "Add with AND" in the menu, and the search query for #2 will be added to the Query box with an AND operator.

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: tamiflu	5,471	02:56:28
#1	...	>	Search: pandemic flu	19,381	02:56:21

Showing 1 to 2 of 2

- Add with AND
- Add with OR
- Add with NOT
- Delete
- Create alert

Note: If you want to perform an OR search, click on "Add with OR"

In this way, you can easily combine the queries from your previous searches, and the combined search query will be displayed in the Query box.

Then, click the Search button to the right of the Query box to perform this search.

Query box

(pandemic flu) AND (tamiflu)

Search

3. Refining the Results

If your search yields a large number of hits, you can narrow down the search results using the filters on the left side of the screen. You can limit the search results by publication date, full-text availability, article type, research subject, language, gender, research methodology/content, journal category, and age group of the research subjects.

In this case, we will limit the results to articles that are categorized as either Meta-Analysis or Randomized Controlled Trial.

The screenshot shows the PubMed search results interface. On the left, under 'ARTICLE TYPE', the filters 'Meta-Analysis' and 'Randomized Controlled Trial' are selected with blue checkmarks. A red box highlights these two filters, with a callout bubble pointing to them that says 'Specify filtering conditions'. The search results list two articles. The first article is 'Anti-influenza hyperimmune intravenous immunoglobulin for adults with influenza A or B infection (FLU-IVIG): a double-blind, randomised, placebo-controlled trial.' A green box highlights the citation information: 'Lancet Respir Med. 2019 Nov;7(11):951-963. doi: 10.1016/S2213-2600(19)30253-X. Epub 2019 Sep 30. PMID: 313... Free PMC article. Clinical Trial.' A callout bubble points to this information with the text 'The journal name, publication year, volume, issue, and pages where this article is published'. Below the filters, there is a button for 'Additional filters (1) +'. The second article is 'Treatment of influenza with neuraminidase inhibitors.' by Beard KR, Brendish NJ, Clark TW.

When you apply a filter, a banner with a  mark appears along with the search results.

This banner indicates that filtering is active.

Once you apply a filter, it remains in effect for all subsequent searches.

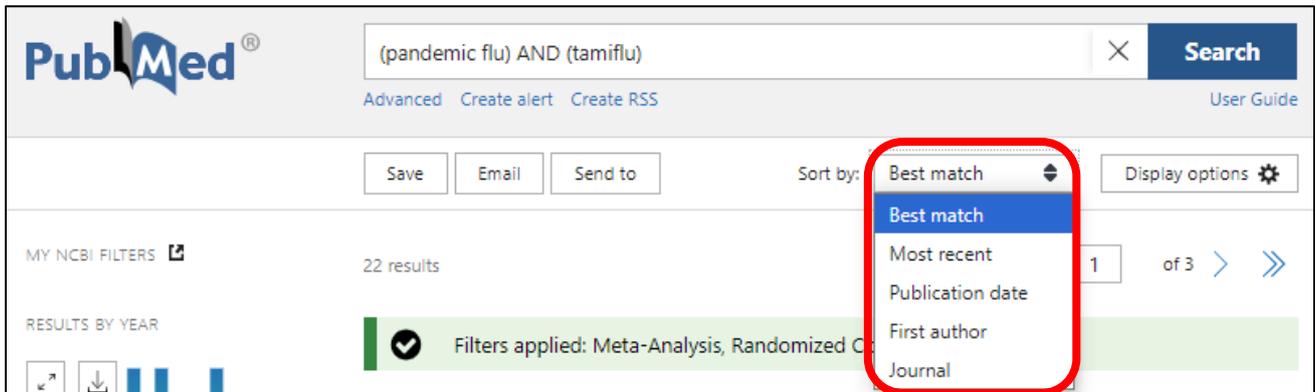
When you no longer need the filter, click on "Clear all" to remove all filtering.

The screenshot shows the PubMed search results interface. The search query is '(pandemic flu) AND (tamiflu)'. The search results show 22 results. A green box highlights the filter banner at the top of the results, which says 'Filtering remains active until you click "Clear all"'. Below the banner, a red box highlights the banner itself, which says 'Filters applied: Meta-Analysis, Randomized Controlled Trial. Clear all'. The search results list two articles. The first article is 'Neuraminidase inhibitors for preventing and treating influenza in adults and children.' by Jefferson T, Jones MA, Doshi P, Del Mar CB, Hama R, Thompson MJ, Spencer EA, Onakpoya I, Mahtani KR, Nunan D, Howick J, Heneghan CJ. The citation information is 'Cochrane Database Syst Rev. 2014 Apr 10;2014(4):CD008965. doi: 10.1002/14651858.CD008965.pub4. PMID: 24718923 Free PMC article. Review.' The second article is 'Effectiveness of neuraminidase inhibitors in reducing mortality in patients admitted to hospital with influenza A H1N1pdm09 virus infection: a meta-'. On the left side, there is a 'RESULTS BY YEAR' bar chart showing the number of results per year from 2006 to 2024. Below the chart, there is a 'PUBLICATION DATE' section with radio buttons for '1 year', '5 years', '10 years', and 'Custom Range'.

4. Sorting the Results

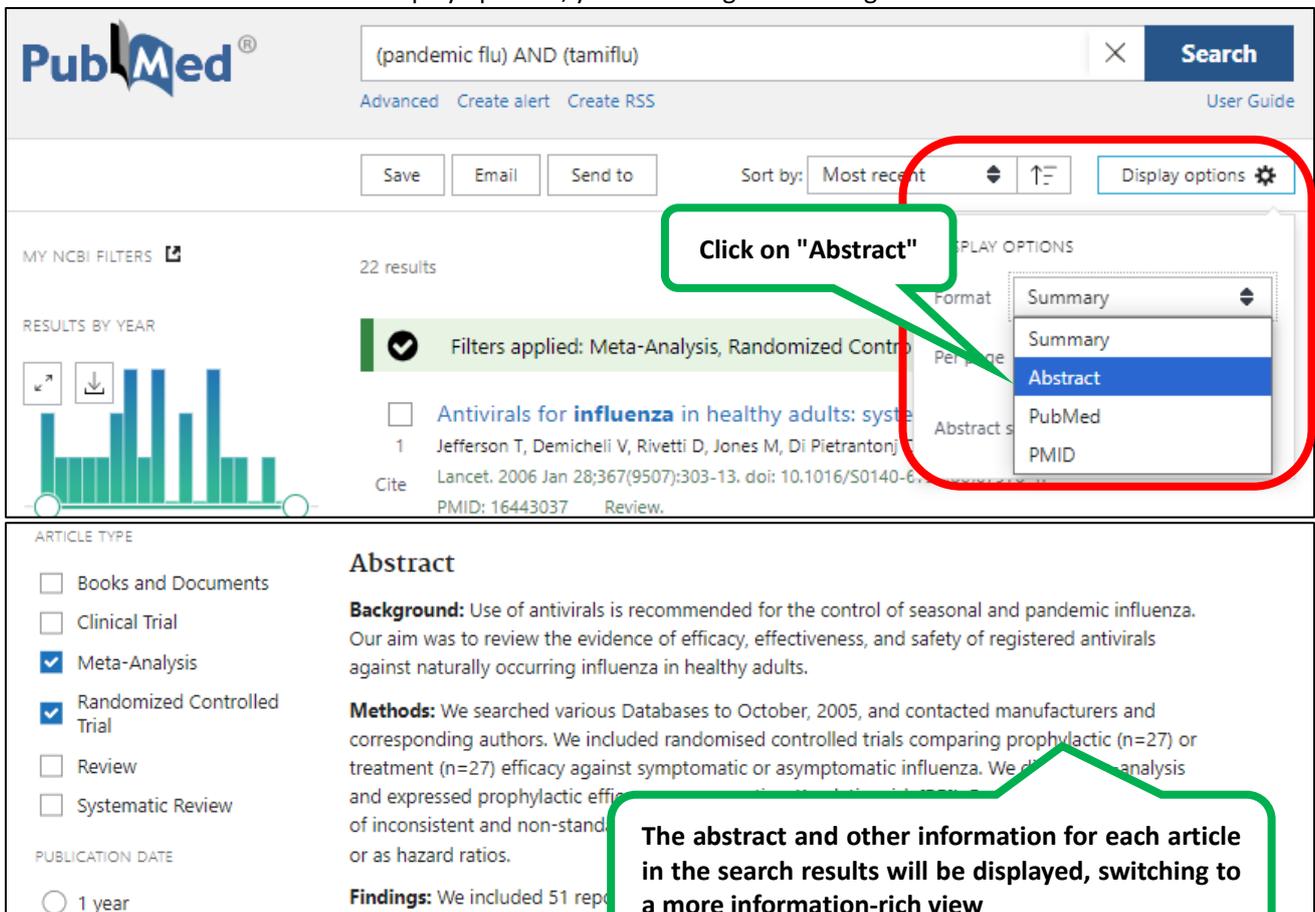
You can sort the results using the "Sort by" menu located in the upper right corner of the search results page.

The sorting options include:



- Best match: Sorts results by relevance to the search terms (This is the default display order)
- Most recent: Sorts by the most recently added papers to PubMed
- Publication date: Sorts by the most recent publication date of the papers
- First author: Sorts alphabetically by the name of the first author
- Journal: Sorts alphabetically by journal name

From the "Format" menu in the "Display options", you can change the settings to show the abstract for each article:

A screenshot of the PubMed search results page. The search query is "(pandemic flu) AND (tamiflu)". The "Sort by" dropdown menu is set to "Most recent". The "Display options" menu is open, showing options: "Summary", "Abstract", "PubMed", and "PMID". The "Abstract" option is selected. A green callout box points to the "Abstract" option with the text "Click on 'Abstract'". Below the search results, the "ARTICLE TYPE" section is visible, with "Meta-Analysis" and "Randomized Controlled Trial" selected. The "Abstract" section is expanded, showing the background, methods, and findings of the article. A green callout box points to the abstract content with the text "The abstract and other information for each article in the search results will be displayed, switching to a more information-rich view".

5. Obtaining Articles

When you set the Format to "Abstract" display, an icon with our university's name  will appear.

(This icon is also displayed on the screen where you can check detailed information for each article by clicking on the article title)

Through this icon, you can access electronic journals and check the library's holdings of physical copies.

Please follow the steps from STEP 1 onwards to verify the availability of the article.



The screenshot displays the library's search interface for the article "Efficacy and safety of traditional Chinese medicine for the treatment of influenza A (H1N1): A meta-analysis" by Li Jiang-Hong. The page is in Japanese and includes several steps to verify the article's availability:

- フルテキストを探す :**
 - 【STEP1】 本学からフルテキストを電子で入手できるか確認する
 - Check for full text at the publisher's site. 2005/01/01 - present
 - Journal of the Chinese Medical Association を EBSCO Open Access Medical and Health Collection. で探す 2005/01/01 - present
 - 【STEP2】 オープンアクセスで入手できるか確認する
 - 無料の電子ブック・ジャーナルを探す
 - Scholar Google Scholarでタイトル検索する
 - Scholar Google Scholarで著者名検索する
 - IRDB JAIROで文献検索する
 - 【STEP3】 図書館に冊子体があるかOPACで確認する
 - OPAC OPACを検索する
 - Cinii books CiNii Booksで他大学のフルテキストを検索する
 - 【STEP4】 学外から取り寄せる
 - 複写サービスとは：学内にない論文は他大学等から複写物を有料で取り寄せることができます。申込はMyLibraryから、もしくは図書館カウンターへ。
 - MyLibraryとは
 - ILL ILL（複写サービスを申し込む）
 - 【その他】 雑誌のImpact Factorを調べる
 - インパクトファクターを調べる