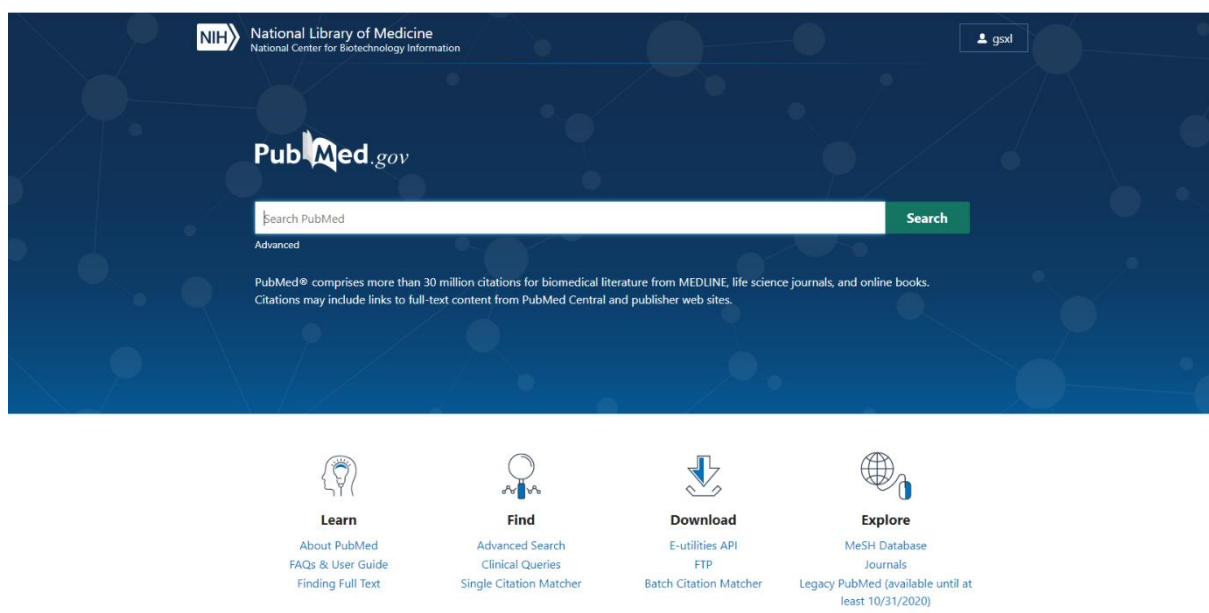


Introduktion til PubMed



The image shows the PubMed.gov homepage. At the top left is the NIH logo and the text "National Library of Medicine National Center for Biotechnology Information". At the top right is a user profile icon labeled "gsxl". The main heading is "PubMed.gov". Below it is a search bar with the placeholder text "Search PubMed" and a green "Search" button. Under the search bar is the word "Advanced". Below the search bar is a paragraph: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites." At the bottom, there are four columns of links, each with an icon and a title:

- Learn** (lightbulb icon):
 - About PubMed
 - FAQs & User Guide
 - Finding Full Text
- Find** (magnifying glass icon):
 - Advanced Search
 - Clinical Queries
 - Single Citation Matcher
- Download** (download arrow icon):
 - E-utilities API
 - FTP
 - Batch Citation Matcher
- Explore** (globe icon):
 - MeSH Database
 - Journals
 - Legacy PubMed (available until at least 10/31/2020)

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Om PubMed

PubMed er National Library of Medicine's webadgang til Medline, produceret i samarbejde med tidsskriftudgiverne.

Derudover indeholder PubMed en række citationer fra andre peer-review-tidsskrifter indenfor biomedicinske emner.

Tidsskriftudgiverne leverer data elektronisk til databasen allerede før papirudgaven af tidsskriftet foreligger.

- Opdateres dagligt
- Gennemgår emneindekseringsproces
- Overgår til selve Medline
- Forsynes med links til "related articles". De opstilles ikke kronologisk, men i relevans-orden ("ranking") efter hvor meget de har til fælles med den udvalgte artikel
- Eventuelt links til tidsskriftets egen hjemmeside, som muligvis giver fuldtekst adgang
- Eventuelt links til bøger
- Eventuelt links til egen samling

Søgning

Du kan anvende:

- Fritekst (PubMed anvender 'term-mapping')
- frasesøgning
- trunkering – søgning på ordstammer med brug af *
- Forfattersøgning samt søgning i andre udvalgte felter
- Filtre/limits til at afgrænse en søgning
- MeSH-headings og subheadings (kontrollerede emneord)
- Avanceret søgning ved brug af de Booleske operatorer (AND, OR, NOT)
- Søgning på bestemt citation – Single Citation Matcher

- og kombinationer heraf

Simpel søgning

1. Gå til søgefeltet
2. Skriv dit søgeargument, for eksempel Flu vaccine
3. Klik på Search

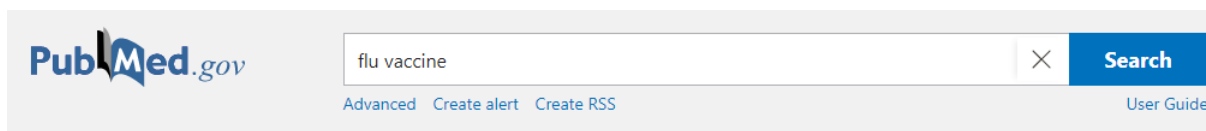
The screenshot shows the PubMed.gov search interface. At the top, the NIH logo and 'National Library of Medicine National Center for Biotechnology Information' are visible. The search bar contains 'flu vaccine' and the 'Search' button is highlighted. Below the search bar, there are options for 'Advanced', 'Create alert', 'Create RSS', and 'User Guide'. A navigation bar includes 'Save', 'Email', 'Send to', 'Sorted by: Most recent', and 'Display options'. The main content area shows 30,401 results. On the left, there are filters for 'MY NCBI FILTERS' (All (30,401), English & Humans (21,000), German (516), published last 5 years (7,535), Review (4,023)) and 'RESULTS BY YEAR' (a bar chart showing an increase in results from 1918 to 2020). Below the filters are sections for 'TEXT AVAILABILITY' (Abstract, Free full text, Full text) and 'ARTICLE ATTRIBUTE' (Associated data). The main list of results includes:

- 1 **Risk factors of severe hospitalized respiratory syncytial virus infection in tertiary care center in Thailand.**
Cite Aikphaibul P, Theerawit T, Sophonphan J, Wacharachaisurapol N, Jitrungruengnij N, Puthanakit T.
Influenza Other Respir Viruses. 2020 Aug 12. doi: 10.1111/irv.12793. Online ahead of print.
Share PMID: 32783380
- 2 **Vaccine hesitancy among parents of preschoolers in Canada: a systematic literature review.**
Cite Schellenberg N, Crizzle AM.
Can J Public Health. 2020 Aug 11. doi: 10.17269/s41997-020-00390-7. Online ahead of print.
Share PMID: 32783144
Articles were excluded if they focused on uptake of the **influenza vaccine** and if the study population was children with chronic health conditions. ...SYNTHESIS: This review found that between 50% and 70% of children are completely vaccinated at 2 years old, with up ...
- 3 **Comparison of alternative full and brief versions of functional status scales among older adults in China.**
Cite Reich J, Thompson MG, Cowling BJ, Iuliano AD, Greene C, Chen Y, Phadnis R, Leung NHL, Song Y, Fang WJ, Xu C, Dai Q, Zhang J, Zhang H, Havers F; CARES investigators.
PLoS One. 2020 Aug 11;15(8):e0234698. doi: 10.1371/journal.pone.0234698. eCollection 2020.
Share PMID: 32780744
- 4 **Inactivated pandemic 2009 H1N1 influenza A virus human vaccines have different efficacy after homologous challenge in the ferret model.**
Cite Vidaña B, Brookes SM, Everett HE, Garcon F, Nuñez A, Engelhardt O, Major D, Hoshler K, Brown IH, ...

Automatic term mapping

PubMed forsøger at "oversætte" fritekstord og finde MeSH-termer og synonymer.

Derfor er det en god ide altid at gå til advanced og udfolde Details, for at se hvordan PubMed har "oversat" søgningen



Her er søgningen oversat til:

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#1	...	▼	Search: flu vaccine Sort by: Most Recent (((("influenza vaccines"[MeSH Terms] OR ("influenza"[All Fields] AND "vaccines"[All Fields])) OR "influenza vaccines"[All Fields]) OR ("flu"[All Fields] AND "vaccine"[All Fields])) OR "flu vaccine"[All Fields] Translations flu vaccine: "influenza vaccines"[MeSH Terms] OR ("influenza"[All Fields] AND "vaccines"[All Fields]) OR "influenza vaccines"[All Fields] OR ("flu"[All Fields] AND "vaccine"[All Fields]) OR "flu vaccine"[All Fields]	30,401	08:38:45

Frasesøgning

I PubMed er det muligt at søge på fraser (sammenhørende ord) ved at bruge citationstegn, for eksempel: "influenza vaccine"

NB: brug af citationstegn sætter 'automatic term mapping' ud af funktion!

Hvis du søger på "influenza vaccine" findes kun de referencer, hvor influenza vaccine optræder som sammenhørende ord. Der oversættes ikke til MeSH-termer, eller for eksempel flertalsformer.

The screenshot shows the PubMed.gov search interface. The search bar contains the text "influenza vaccine" in quotation marks. Below the search bar are links for "Advanced", "Create alert", and "Create RSS". To the right of the search bar is a "Search" button and a "User Guide" link. Below the search bar are buttons for "Save", "Email", and "Send to", and a "Sorted by: Most recent" dropdown menu with a "Display options" button. On the left side, under "MY NCBI FILTERS", there is a list of filters: "All (10,620)", "English & Humans (7,611)", "German (48)", "published last 5 years (3,485)", and "Review (1,094)". A "show fewer" link is also present. On the right side, there are 10,620 results. The first result is a literature review titled "Vaccine hesitancy among parents of preschoolers in Canada: a systematic literature review." by Schellenberg N. and Crizzle AM. The citation is "Can J Public Health. 2020 Aug 11. doi: 10.17269/s41997-020-00390-7. Online ahead of print." and the PMID is 32783144.

Det giver et søgeresultat på 10.620 poster - PubMed har ikke "oversat" søgningen.

PubMed søger automatisk på fraser hvis der anvendes:

Citationstegn: "influenza vaccine"

Felt-søgning: influenza vaccine[ti]

Trunkering

Trunkering betyder at du søger på ordstammen af et ord og alle efterfølgende endelser.

Trunkeringstegnet er *

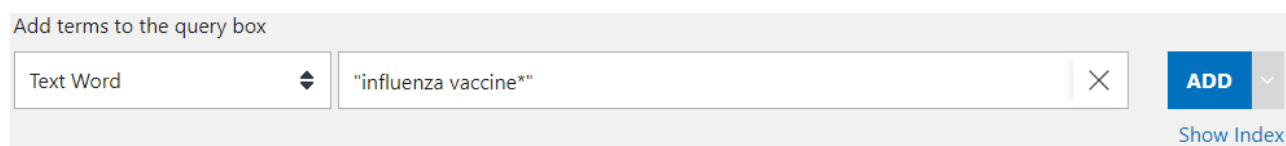
Eksempel: surg* finder poster, der indeholder ordene: surgeon surgery surgical etc.

NB! Brug af trunkering sætter "automatic term mapping" ud af funktion.

Avanceret søgning – søgning i bestemte felter (PubMed Advanced Search Builder)

I PubMed er det muligt at begrænse søgningen til udvalgte felter.

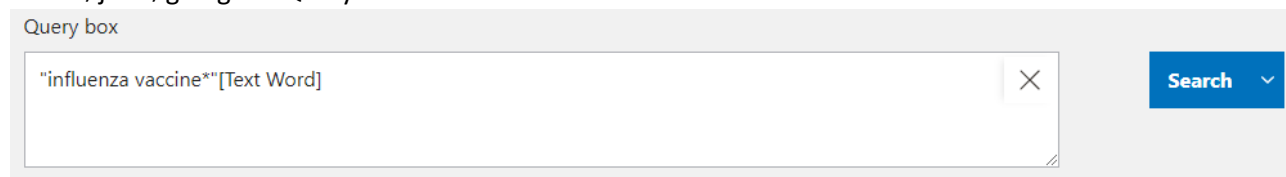
1. Klik på Advanced under søgefeltet på forsiden
2. Klik på drop-down listen under Builder
3. Vælg det ønskede felt – og skriv din søgeterm i feltet **Add terms to query box**.
4. Klik derefter på **ADD**.



Add terms to the query box

Text Word "influenza vaccine*" ADD Show Index

Nu tilføjes søgningen i Query box



Query box

"influenza vaccine*[Text Word]" Search

5. Klik på Search for at foretage søgningen.
6. Søgefelterne kan også tilføjes dine søgetermer i søgeboksen på forsiden. Søgefelterne angives i en skarp parentes [] efter søgetermen:



"influenza vaccine*[ti]" Search

Advanced

Der findes følgende feltkoder:

Search Field descriptions and tags

Affiliation [AD]	Full Investigator Name [FIR]	Pagination [PG]
All Fields [ALL]	Grant Number [GR]	Personal Name as Subject [PS]
Article Identifier [AID]	Investigator [IR]	Pharmacological Action [PA]
Author [AU]	ISBN [ISBN]	Place of Publication [PL]
Author Identifier [AUID]	Issue [IP]	PMCID and MID
Book [BOOK]	Journal [TA]	PMID [PMID]
Comment Correction Type	Language [LA]	Publication Date [DP]
Completion Date [DCOM]	Last Author Name [LASTAU]	Publication Type [PT]
Conflict of Interest Statement [COIS]	Location ID [LID]	Publisher [PUBN]
Corporate Author [CN]	MeSH Date [MHDA]	Secondary Source ID [SI]
Create Date [CRDT]	MeSH Major Topic [MAJR]	Subset [SB]
EC/RN Number [RN]	MeSH Subheadings [SH]	Supplementary Concept [NM]
Editor [ED]	MeSH Terms [MH]	Text Words [TW]
Entry Date [EDAT]	Modification Date [LR]	Title [TI]
Filter [FILTER] [SB]	NLM Unique ID [JID]	Title/Abstract [TIAB]
First Author Name [1AU]	Other Term [OT]	Transliterated Title [TT]
Full Author Name [FAU]	Owner	Volume [VI]

Søgning ved brug af thesaurus – Mesh

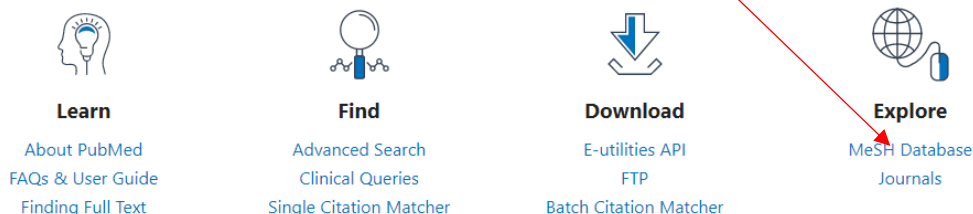
Du kan bruge NLM's kontrollerede emneordliste – MeSH (Medical Subject Headings) – til at finde egnede søgetermer. MeSH indeholder cirka 26.000 termer og opdateres årligt.

MeSH-terminerne er opbygget hierarkisk – så du kan navigere til bredere/snævrere termer.

MeSH-terminerne inkluderer synonymer, forskellige stavemåder, entals- og flertalsformer for det enkelte begreb.

Til MeSH-terminerne er knyttet et antal subheadings for at angive særlige aspekter ved MeSH-terminen. For eksempel adverse effects, diagnosis, surgery etc.

1. Gå til forsiden af PubMed. Under **Explore** vælges **MeSH-Database**



2. Skriv nu flu vaccine i søgefeltet
3. Hvis der er flere mulige MeSH termer vises de i en liste. Vælg den relevante term. Er der kun én mulighed vises denne med det samme.
4. Klik på **Add to search builder**– og derefter **Search PubMed** for at udføre søgningen i PubMed.

Full ▼ Send to

Influenza Vaccines

Vaccines used to prevent infection by viruses in the family ORTHOMYXOVIRIDAE. It includes both killed and attenuated vaccines. The composition of the vaccines is changed each year in response to antigenic shifts and changes in prevalence of influenza virus strains. The flu vaccines may be mono- or multi-valent, which contains one or more INFLUENZAVIRUS A and INFLUENZAVIRUS B strains.
Year introduced: 2005 (1963)

PubMed search builder options

Subheadings:

<input type="checkbox"/> administration and dosage	<input type="checkbox"/> economics	<input type="checkbox"/> pharmacology
<input type="checkbox"/> adverse effects	<input type="checkbox"/> etiology	<input type="checkbox"/> physiology
<input type="checkbox"/> analysis	<input type="checkbox"/> genetics	<input type="checkbox"/> radiation effects
<input type="checkbox"/> antagonists and inhibitors	<input type="checkbox"/> history	<input type="checkbox"/> standards
<input type="checkbox"/> biosynthesis	<input type="checkbox"/> immunology	<input type="checkbox"/> statistics and numerical data
<input type="checkbox"/> blood	<input type="checkbox"/> isolation and purification	<input type="checkbox"/> supply and distribution
<input type="checkbox"/> chemical synthesis	<input type="checkbox"/> metabolism	<input type="checkbox"/> therapeutic use
<input type="checkbox"/> chemistry	<input type="checkbox"/> organization and administration	<input type="checkbox"/> toxicity
<input type="checkbox"/> classification	<input type="checkbox"/> pharmacokinetics	

Restrict to MeSH Major Topic.
 Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): D20.215.894.899.302
MeSH Unique ID: D007252
Entry Terms:

- Influenza Vaccine
- Vaccine, Influenza
- **Flu Vaccines**
- Influenzavirus Vaccines
- Influenza Virus Vaccines
- Influenza Virus Vaccine
- Vaccine, Influenza Virus
- Virus Vaccine, Influenza
- High-Dose Trivalent Influenza Vaccine
- High Dose Trivalent Influenza Vaccine
- Monovalent Influenza Vaccines
- **Influenza Vaccines, Monovalent**
- Vaccines, Monovalent Influenza
- Trivalent Influenza Vaccine
- Influenza Vaccine, Trivalent
- Vaccine, Trivalent Influenza
- Intranasal Live-Attenuated Influenza Vaccine
- Intranasal Live Attenuated Influenza Vaccine
- Universal Flu Vaccines
- Universal Influenza Vaccines
- Trivalent Live Attenuated Influenza Vaccine
- LAIV Vaccine
- Vaccine, LAIV
- Quadrivalent Influenza Vaccine
- Influenza Vaccine, Quadrivalent
- Vaccine, Quadrivalent Influenza

[All MeSH Categories](#)
[Chemicals and Drugs Category](#)
[Complex Mixtures](#)
[Biological Products](#)
[Vaccines](#)
[Viral Vaccines](#)
Influenza Vaccines

PubMed Search Builder

"Influenza Vaccines"[Mesh]

Related information

PubMed
PubMed - Major Topic
Clinical Queries
NLM MeSH Browser
dbGaP Links
MedGen

Recent Activity

- Hypersensitivity MeSH
- hypersensitivity (28) MeSH
- flu vaccines (1) MeSH
- Influenza Vaccines MeSH
- flu vaccine (2) MeSH

[See more...](#)

"Influenza Vaccines"[Mesh]

[See more...](#)

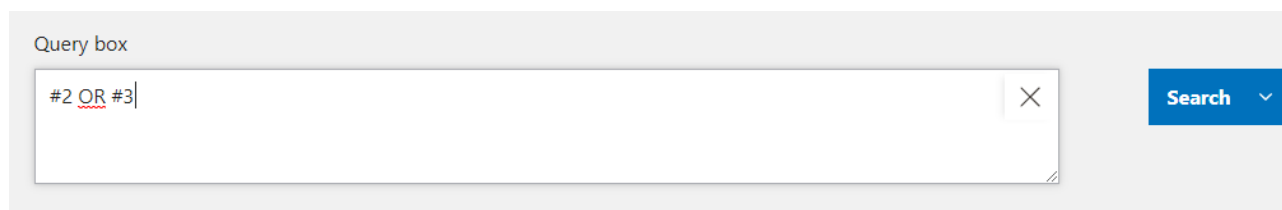
Subheadings

En subheading kan knyttes til en MeSH-term for at angive, at det er særlige aspekter af emnet, man er interesseret i. Ovenstående kunne man f.eks. vælge "adverse effects" for at søge på bivirkninger til Influenza Vaccine.

Kombiner søgninger – PubMed Advanced Search Builder

Klik på Advanced og brug søgningerne i **History and Search Details**.

For at kombinere søgningen på MeSH-terms (#2) og søgningen på fritextstermen (#3) kan du *enten* indtaste søgesætnumrene som i nedenstående eksempel – #2 OR #3 – i **Query box** og derefter klikke på **Add to history eller Search**

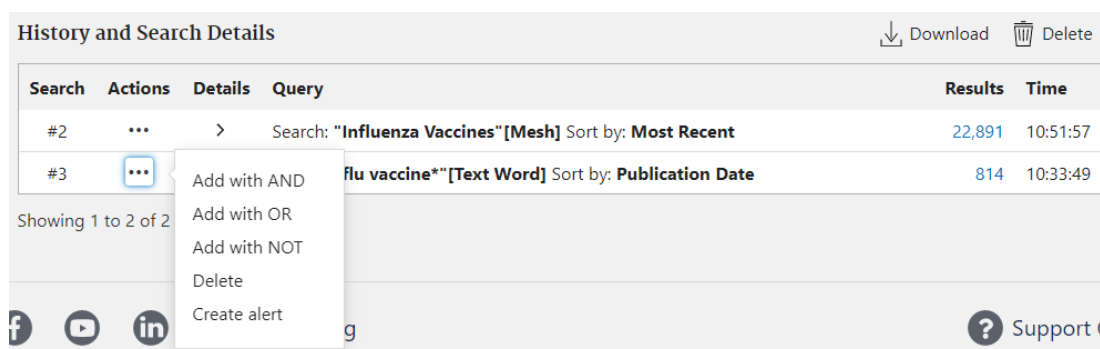


Query box

#2 OR #3

Search

Eller bruge funktionen **Actions** ud for hver søgning for at tilføje søgningen til Query box



History and Search Details

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: "Influenza Vaccines"[Mesh] Sort by: Most Recent	22,891	10:51:57
#3	...		flu vaccine*[Text Word] Sort by: Publication Date	814	10:33:49

Showing 1 to 2 of 2

Download Delete

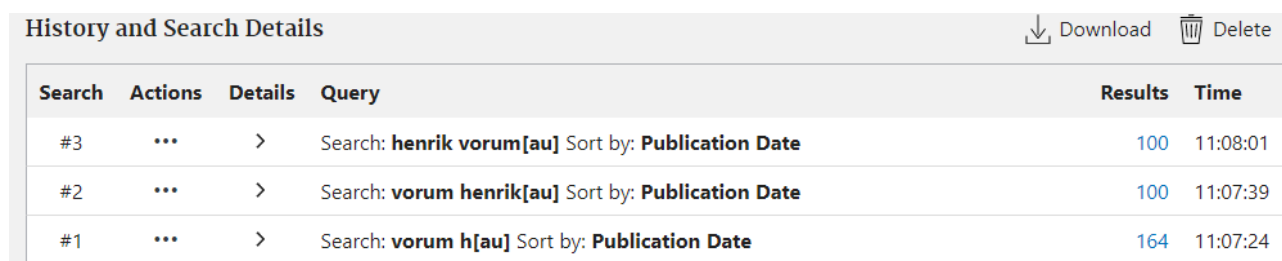
Support

Søgning på forfatternavn

Forfatternavn søges ved at angive efternavn efterfulgt af initialer og koden for forfatter [au]. For eksempel Vorum H og ikke Henrik Vorum.

I de tilfælde hvor det fulde navn optræder på artiklen, kan du også søge på det fulde navn, men det giver en ufuldstændig søgning, da det ikke er kutyme at anføre det fulde navn.

Eksempel:



History and Search Details

Search	Actions	Details	Query	Results	Time
#3	...	>	Search: henrik vorum[au] Sort by: Publication Date	100	11:08:01
#2	...	>	Search: vorum henrik[au] Sort by: Publication Date	100	11:07:39
#1	...	>	Search: vorum h[au] Sort by: Publication Date	164	11:07:24

Download Delete

Brug af Limits

I PubMed er prædefineret nogle filtre, som kan anvendes til at begrænse søgningen med.

MY NCBI FILTERS

All (30,427)
English & Humans (21,003)
German (517)
published last 5 years (7,551)
Review (4,027)
— show fewer

RESULTS BY YEAR

1918 2020

TEXT AVAILABILITY

Abstract
 Free full text
 Full text

ARTICLE ATTRIBUTE

Associated data

ARTICLE TYPE

Books and Documents
 Clinical Trial
 Meta-Analysis
 Randomized Controlled Trial
 Review
 Systematic Review

PUBLICATION DATE

1 year
 5 years
 10 years

Det er muligt at tilføje yderligere filtre ved at klikke på **Additional filters**:
F.eks. sprog

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

- Afrikaans
- Albanian
- Arabic
- Armenian
- Azerbaijani
- Bosnian
- Bulgarian
- Catalan
- Chinese
- Croatian
- Czech
- Danish
- Dutch
- English
- Esperanto
- Estonian
- Finnish

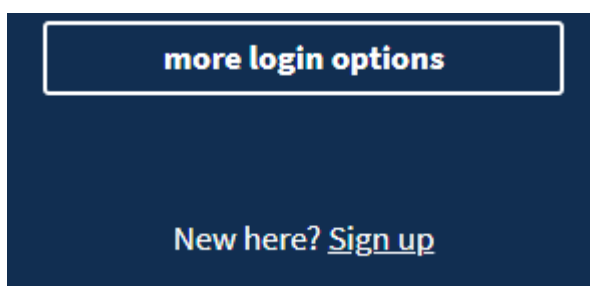
Opret en PubMed konto

Det er muligt at oprette en konto i PubMed, hvor man bl.a kan gemme søgninger i Dashboard.

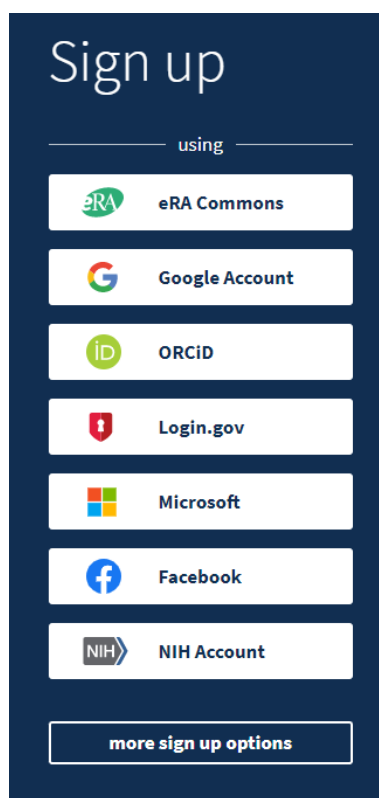
Opret en konto ved at vælge login fra forsiden



Vælg herefter: New here? Sign Up og følg anvisningerne.



Du kan vælge mellem følgende loginmuligheder



Gem en søgning - Dashboard

Når du har oprettet en PubMed konto har du mulighed for at gemme søgninger i Dashboard:

Under Actions vælges **Create Alert**

The image shows two screenshots from the PubMed interface. The left screenshot, titled "History and Search Details", displays a table of search history. The table has four columns: "Search", "Actions", "Details", and "Query". The "Search" column contains search IDs (#5, #3, #2, #1). The "Actions" column contains three dots for each search. The "Details" column contains a right-pointing chevron. The "Query" column contains the search terms: "Search: flu vac", "Search: henrik", and "Search: orum" (partially visible). A red arrow points from the "Actions" column of search #2 to the right screenshot. The right screenshot, titled "Your saved search", shows the configuration for a saved search. It includes a text input for "Name of saved search:" with the value "Femoral Neck fracture KKR". Below it is a "Search terms:" input with a dropdown menu showing the query: "(((('Femoral Neck Fractures'[Mesh]) OR ...". There is a "Test search terms" link below the search terms. A question "Would you like email updates of new search results?" is followed by radio buttons for "Yes" (selected) and "No". The "Email:" field shows "cs@rn.dk (change)". The "Frequency:" dropdown is set to "Monthly".

Search	Actions	Details	Query
#5	...	>	Search: flu vac
#3	...	>	Search: henrik
#2	...	>	Search: orum
#1	...	>	Search: orum

Showing 1 to 4 of 4

Actions menu for search #2:

- Add query
- Delete
- Create alert

Your saved search

Name of saved search: Femoral Neck fracture KKR

Search terms: (((('Femoral Neck Fractures'[Mesh]) OR ...
[Test search terms](#)

Would you like email updates of new search results?

Yes
 No

Email: cs@rn.dk (change)

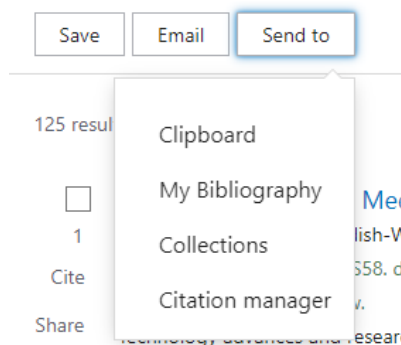
Frequency: Monthly

Nu får du mulighed for at navngive søgningen og bestemme om du vil have besked pr. mail når der kommer nye relevante artikler.

[Download poster til et referencehåndteringssystem](#)

Direkte eksport.

Vælg funktionen Send to og vælg Citation manager.



Du får nu mulighed for at vælge mellem: All Results on this page - All Results – Selection

Klik herefter på Create File. Nu eksporteres poster til en fil som man vælger at gemme eller importere direkte i sit referencehåndteringsprogram.

Gem en fil

Vælg Save og under **Selection** vælges enten All Results on this page - All Results – Selection.

Format: skal være PubMed for at kunne importeres til Referencehåndteringsprogrammer eller Covidence.

Save citations to file

Selection:

Format:

Create file

Cancel

[Find en bestemt artikel ved brug af Single Citation Manager](#)

Fra PubMeds forside vælges Single Citation Manager og udfyld de relevante felter. Det vil ofte være nok at udfylde tidsskrift, årstal og første side.



Find

[Advanced Search](#)
[Clinical Queries](#)
[Single Citation Matcher](#)

PubMed Single Citation Matcher

Use this tool to find PubMed citations. You may omit any field.

Journal Help

Date

 (month and day are optional)

Details

Volume

Issue

First page

Author name Help

Limit authors

Only as first author

Only as last author

Title words