

Catching up with

Publ**M**ed

December 6, 2021

National Library of Medicine

National Institutes of Health

U.S. Department of Health & Human Services

Agenda

- Welcome and Introductions
 - Presentation from Kathi Canese, NCBI
- Answering your questions!

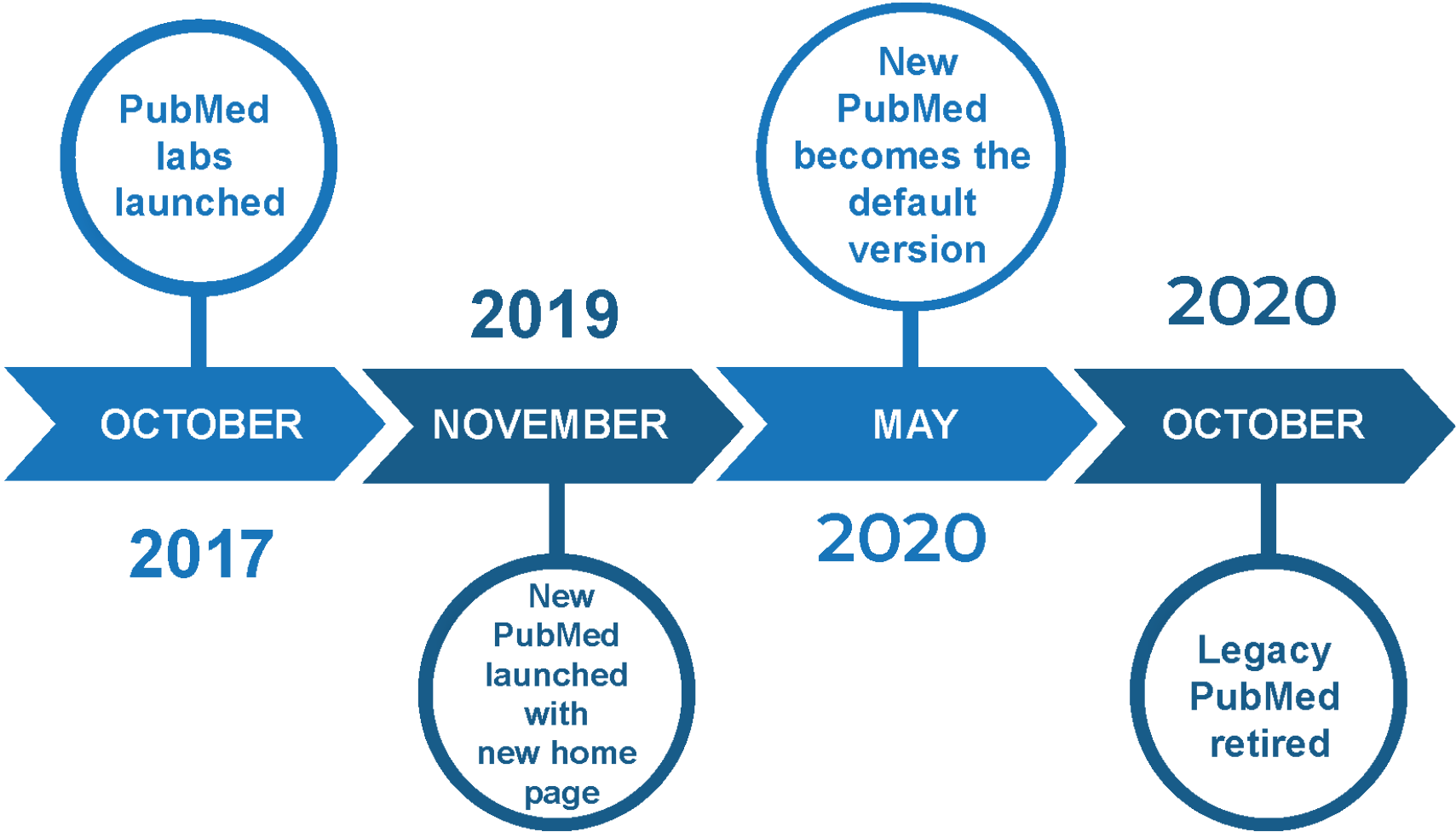
Introducing our presenter...



Kathi Canese

National Center for Biotechnology Information (NCBI)
National Library of Medicine

PubMed's Recent History



In the last two years...



**Added more than 3 million new citations
Including 2.9 million with links to full text**



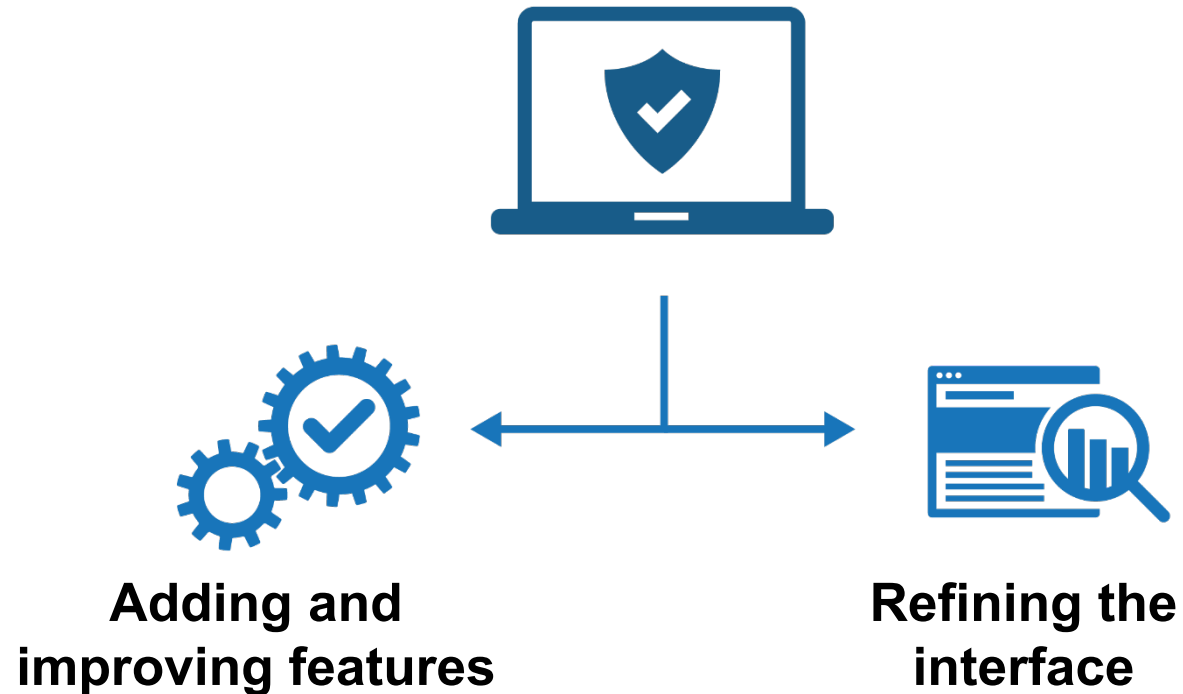
**Visited by 3.4 million average daily users
From all over the world**



**Responded to more than 16,000 PubMed
customer services requests**

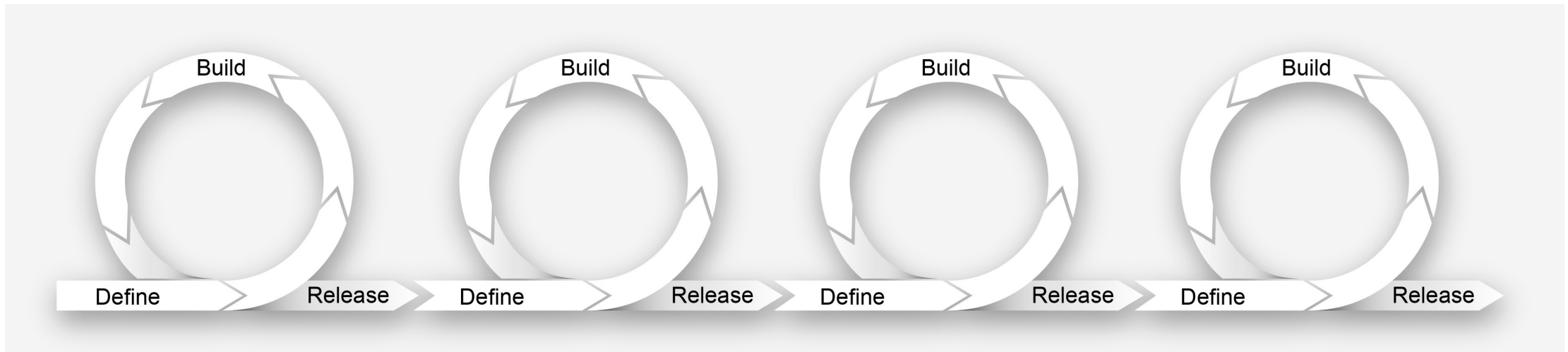
What else we've been up to...

Continuing to improve the user experience:



Agile Development Model

- Work is completed in short, iterative cycles
- Releasing a feature doesn't mean that feature is "done"
- Continuous attention to technical excellence and good design
- Continue listening to user feedback to identify and understand where we can still improve



Feature Highlights



FEATURE HIGHLIGHTS

Custom Date Range Filters

ARTICLE ATTRIBUTE

Associated data

ARTICLE TYPE

Books and Documents

Clinical Trial

Meta-Analysis

Preprint

Randomized Controlled Trial

Review

Systematic Review

PUBLICATION DATE

1 year

5 years

10 years

Custom Range

Additional filters

Reset all filters

Myocardial Infarction: Symptoms and Treatments. Page 1
3 Lu L, Liu M, Sun R, Zheng Y, Zhang P.
Cite Cell Biochem Biophys. 2015 Jul;72(3):865-7. doi: 10.1007/s12013-015-0553-4.
PMID: 25638347 Review.
Share **Myocardial infarction** (MI) is a term used for an event of heart attack which is due to formation of plaques in the interior walls of the arteries resulting in reduced blood flow to the heart and injuring heart muscles because of lack of oxygen supply. ...

Type 2 Myocardial Infarction: JACC Review Topic of the Week.
4 Sandoval Y, Jaffe AS.
Cite J Am Coll Cardiol. 2019 Apr 16;73(14):1846-1860. doi: 10.1016/j.jacc.2019.02.018.
PMID: 30975302 **Free article.** Review.
Share Acute **myocardial infarction** (MI) can occur from increased **myocardial** oxygen demand and/or reduced supply in the absence of acute atherothrombotic plaque disruption; a condition called type 2 **myocardial infarction** (T2MI). As with any MI subtype, ...

Universal definition of myocardial infarction.
5 Thygesen K, Alpert JS, White HD; Joint ESC/ACCF/AHA/WHF Task Force for the Redefinition of Myocardial Infarction.
Cite J Am Coll Cardiol. 2007 Nov 27;50(22):2173-95. doi: 10.1016/j.jacc.2007.09.011.
Share PMID: 18036459 **Free article.** No abstract available.

Cardiogenic Shock in the Setting of Acute Myocardial Infarction.
6 Kapur NK, Thayer KL, Zweck E.
Cite Methodist Debakey Cardiovasc J. 2020 Jan-Mar;16(1):16-21. doi: 10.14797/mdcj-16-1-16.
PMID: 32280413 **Free PMC article.** Review.
Share Cardiogenic shock in the setting of acute **myocardial infarction** remains a major cause of morbidity and mortality. In fact, acute **myocardial infarction** accounts for 81% of patients in cardiogenic shock. ...

[Diagnosis and initial management of acute myocardial infarction].
7 Zeymer U.

Custom Date Range Filters - 2

Randomized Controlled Trial

Review

Systematic Review

PUBLICATION DATE

1 year

5 years

10 years

Custom Range

Universal definition of myocardial infarction.
5 Thygesen K, Alpert JS, White HD; Joint ESC/ACCF/AHA/WHF Task Force for the Redefinition of Myocardial Infarction.
Cite J Am Coll Cardiol. 2019 Apr 16;73(14):1846-1860. doi: 10.1016/j.jacc.2019.02.018.
Share PMID: 30975302 **Free article.** Review.

Cardiogenic Shock in the Setting of Acute Myocardial Infarction.
8 Kapur NK, Thayer KL, Zweck E.
Cite Methodist Debakey Cardiovasc J. 2020 Jan-Mar;16(1):16-21. doi: 10.14797/mdcj-16-1-16.
Share PMID: 32280413 **Free PMC article.** Review.
Cardiogenic shock in the setting of acute **myocardial infarction** remains a major cause of morbidity and mortality. In fact, acute **myocardial infarction** accounts for 81% of patients in cardiogenic shock. ...

[Myocardial infarction with non-obstructive coronary arteries (MINOCA): diagnosis, pathogenesis, therapy and prognosis].
8 Buono A, Pedrotti P, Soriano F, Veas N, Oliva F, Oreglia J, Ammirati E.
Cite G Ital Cardiol (Rome). 2019 Sep;20(9):499-511. doi: 10.1714/3207.31839.
Share PMID: 31530951 Review. Italian.
The term MINOCA (**myocardial infarction** with non-obstructive coronary arteries) defines acute

START DATE

YYYY MM DD

END DATE

YYYY MM DD

Clear Apply

Page 1

Access MeSH Database

[NCBI Literature Resources](#) [MeSH](#) [PMC](#) [Bookshelf](#) [Disclaimer](#)

FOLLOW NCBI



Connect with NLM



National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Web Policies
FOIA

Help
Accessibility
Careers

[NLM](#) | [NIH](#) | [HHS](#) | [USA.gov](#)





National Library of Medicine

Clinical Queries

PubMed Clinical Queries

This tool uses [predefined filters](#) to help you quickly refine PubMed searches on clinical or disease-specific topics. To use this tool, enter your search terms in the search bar and select filters before searching.

Note: The Systematic Reviews filter has moved; it is now an option under the "Article Type" filter on the main PubMed search results page.

Filter category	Filter	Scope
<input checked="" type="radio"/> Clinical Studies <input type="radio"/> COVID-19 <small>Clinical Queries filters were developed by Haynes RB et al. to facilitate retrieval of clinical studies.</small>	Therapy  <small>See Clinical Queries filter details.</small>	Broad  <small>Returns more results: less specific, but more comprehensive. See filter details.</small>

Single Citation Matcher



PubMed Single Citation Matcher

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

Journal

Journal may consist of the full title or the title abbreviation.

Date

Month and day are optional.

Year

Month

Day

Details

Volume

Issue

First page

Author

Use format lastname initials for the most comprehensive results, e.g., Ostell J. See also: [Searching by author.](#)

Limit authors


Only as first author Only as last author


Title words

Search

Clear

Search Details Warnings

 National Library of Medicine
National Center for Biotechnology Information
[Log in](#)

PubMed Advanced Search Builder 
[User Guide](#)

Add terms to the query box

All Fields

Enter a search term

ADD

[Show Index](#)

Query box

Enter / edit your search query here

Search

History and Search Details [Download](#) [Delete](#)

Search	Actions	Details	Query	Results	Time
#1	...	! >	Search: (acid reflux) AND ((children or adolescents) ("gastroesophageal reflux"[MeSH Terms] OR ("gastroesophageal"[All Fields] AND "reflux"[All Fields]) OR "gastroesophageal reflux"[All Fields] OR ("acid"[All Fields] AND "reflux"[All Fields]) OR "acid reflux"[All Fields]) AND ("child"[MeSH Terms] OR "child"[All Fields] OR "children"[All Fields] OR "child s"[All Fields] OR "children s"[All Fields] OR "childrens"[All Fields] OR "childs"[All Fields] OR "adolescences"[All Fields] OR "adolescence"[All Fields] OR "adolescent"[MeSH Terms] OR "adolescent"[All Fields] OR "adolescence"[All Fields] OR "adolescents"[All Fields] OR "adolescent s"[All Fields]))	9,741	15:48:06

Showing 1 to 1 of 1 entries

History and Search Details [Download](#) [Delete](#)

Search	Actions	Details	Query	Results	Time
#1	...	! >	Search: (acid reflux) AND ((children or adolescents) ("gastroesophageal reflux"[MeSH Terms] OR ("gastroesophageal"[All Fields] AND "reflux"[All Fields]) OR "gastroesophageal reflux"[All Fields] OR ("acid"[All Fields] AND "reflux"[All Fields]) OR "acid reflux"[All Fields]) AND ("child"[MeSH Terms] OR "child"[All Fields] OR "children"[All Fields] OR "child s"[All Fields] OR "children s"[All Fields] OR "childrens"[All Fields] OR "childs"[All Fields] OR "adolescences"[All Fields] OR "adolescence"[All Fields] OR "adolescent"[MeSH Terms] OR "adolescent"[All Fields] OR "adolescence"[All Fields] OR "adolescents"[All Fields] OR "adolescent s"[All Fields]))	9,741	15:48:06
<p>Translations</p> <p>acid reflux: "gastroesophageal reflux"[MeSH Terms] OR ("gastroesophageal"[All Fields] AND "reflux"[All Fields]) OR "gastroesophageal reflux"[All Fields] OR ("acid"[All Fields] AND "reflux"[All Fields]) OR "acid reflux"[All Fields]</p> <p>children: "child"[MeSH Terms] OR "child"[All Fields] OR "children"[All Fields] OR "child s"[All Fields] OR "children s"[All Fields] OR "childrens"[All Fields] OR "childs"[All Fields]</p> <p>adolescents: "adolescences"[All Fields] OR "adolescence"[All Fields] OR "adolescent"[MeSH Terms] OR "adolescent"[All Fields] OR "adolescence"[All Fields] OR "adolescents"[All Fields] OR "adolescent s"[All Fields]</p> <p>! Warnings</p> <p>(acid reflux) AND ((children or adolescents)</p>					

Showing 1 to 1 of 1 entries

Customizing Your Results

NIH National Library of Medicine
National Center for Biotechnology Information

Log in

PubMed.gov

heart attack

Advanced Create alert Create RSS User Guide

Save Email Send to

Sorted by: Best match Display options

275,830 results

MY NCBI FILTERS

RESULTS BY YEAR

TEXT AVAILABILITY

ARTICLE ATTRIBUTE

Abstract

Free full text

Full text

Associated data

Heart attack.

1 [No authors listed]

Cite Nurs Stand. 2014 Nov 18;29(11):19. doi: 10.7748/ns.29.11.19. PMID: 25388712 No abstract available.

Share

Myocardial Infarction: Symptoms and Treatments.

2 Lu L, Liu M, Sun R, Zheng Y, Zhang P.

Cite Cell Biochem Biophys. 2015 Jul;72(3):865-7. doi: 10.1007/s12013-015-0553-4. PMID: 25638347 Review.

Share Myocardial infarction (MI) is a term used for an event of heart attack which is due to formation of plaques in the interior walls of the arteries resulting in reduced blood flow to the heart and injuring heart muscles because of lack of o ...

Awareness of Heart Attack Symptoms and Response Among Adults - United States, 2008, 2014, and 2017.

3 Fang J, Luncheon C, Ayala C, Odom E, Loustalot F.

Cite

DISPLAY OPTIONS

Format Summary

Sort by Best match

Per page 10

Show snippets

Customizing Your Results - 2

The image shows a screenshot of the PubMed website interface. At the top, the NIH logo and 'National Library of Medicine' are visible. The search bar contains the text 'Heart attack'. Below the search bar, there are filters for 'Advanced' and 'Create alert'. The main content area shows search results, with a 'Sorted by: Best match' label and a 'Display options' gear icon. A dropdown menu is open, showing 'DISPLAY OPTIONS' with the following items: 'Format' (set to 'Summary'), 'Sort by' (with options 'Abstract', 'PubMed', and 'PMID'), and 'Per page'. The 'Show snippets' checkbox is checked. The background shows a list of search results, including one titled 'Myocardial infarction (MI) is a term used for an event of heart attack which is due to formation of plaques in the interior walls of the arteries resulting in reduced blood flow to the heart and rupturing heart muscle because of lack of o...'. The NIH logo and 'National Library of Medicine' are also visible at the bottom of the page.

Customizing Your Results

- 3

NIH National Library of Medicine
National Center for Biotechnology Information

Pubmed
Heart attack

Sorted by: Best match [Display options](#)

DISPLAY OPTIONS

Format: Summary

Sort by: Best match

Per page: 10

Show snippets

Abstract
Free full text
Full text

Associated data

Myocardial infarction (MI) is a term used for an event of heart attack which is due to formation of plaques in the interior walls of the arteries resulting in reduced blood flow to the heart and rupturing heart muscle because of lack of o...

Assessment of Heart Attack Symptoms and Response Among Adults - United States, 2008, 2014, and 2017

Stephanie C. Taylor, Robert C. Brown, & Jennifer L. ...

Best Match



Best Match is an option for sorting your results

Exact same results as Most Recent, just in a different order

Best Match - 2



Best Match has been around for almost five years!

An early form of Best Match was introduced in legacy PubMed

Based on early version of the architecture used in the current PubMed

Best Match - 3



Best Match sorting has improved over its lifetime

Algorithm based on machine learning

The more it is used, the better it becomes!

Easier to Save / Email / Send

NIH National Library of Medicine
National Center for Biotechnology Information

PublMed.gov

acid reflux

Advanced Create alert Create RSS

Save Email Send to

Sorted by: Best match Display options

39,806 results

Page 1 of 3,981

RESULTS BY YEAR

1916 2021

TEXT AVAILABILITY

Abstract

Free full text

Full text

ARTICLE ATTRIBUTE

Associated data

Non-acid Reflux: When It Matters and Approach to Management.
1 Zikos TA, Clarke JO.
Cite Curr Gastroenterol Rep. 2020 Jul 10;22(9):43. doi: 10.1007/s11894-020-00780-4.
PMID: 32651702 Review.
Share RECENT FINDINGS: There is a paucity of recent data regarding non-**acid reflux**. The recent Porto and Lyon consensus statements do not fully address non-**acid reflux** or give guidance on classification. However, recent developments in the lung transplantati ...

Acid-reflux disorders.
2 Pope CE 2nd.
Cite N Engl J Med. 1994 Sep 8;331(10):656-60. doi: 10.1056/NEJM199409083311007.
PMID: 8052276 Review. No abstract available.
Share

Non-acid Reflux: What to Do When You Don't Feel the Burn.
3 Horton A, Gyawali CP, Patel A.
Cite Dig Dis Sci. 2021 Apr;66(4):929-931. doi: 10.1007/s10620-020-06400-5.

Easier to Save / Email / Send - 2

NIH National Library of Medicine
National Center for Biotechnology Information

PublMed.gov

acid reflux

Advanced Create alert Create RSS

User Guide

Save Email Send to

Sorted by: Best match Display options

MY NCBI FILTERS

39,806 results 2 items selected × Clear selection

RESULTS BY YEAR

1916 2021

TEXT AVAILABILITY

Abstract

Free full text

Full text

ARTICLE ATTRIBUTE

Associated data

Non-acid Reflux: When It Matters and Approach to Management.
1 Zikos TA, Clarke JO.
Cite Curr Gastroenterol Rep. 2020 Jul 10;22(9):43. doi: 10.1007/s11894-020-00780-4.
PMID: 32651702 Review.
Share RECENT FINDINGS: There is a paucity of recent data regarding non-**acid reflux**. The recent Porto and Lyon consensus statements do not fully address non-**acid reflux** or give guidance on classification. However, recent developments in the lung transplantati ...

Acid-reflux disorders.
2 Pope CE 2nd.
Cite N Engl J Med. 1994 Sep 8;331(10):656-60. doi: 10.1056/NEJM199409083311007.
PMID: 8052276 Review. No abstract available.
Share

Non-acid Reflux: What to Do When You Don't Feel the Burn.
3 Horton A, Gyawali CP, Patel A.
Cite Dig Dis Sci. 2021 Apr;66(4):929-931. doi: 10.1007/s10620-020-06400-5.

Email Improvements

PubMed.gov acid reflux [Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Sorted by: Best match


Email citations

Subject: acid reflux - PubMed

* To:

Selection:

Format:
 MeSH and other data

I'm not a robot  [reCAPTCHA Privacy - Terms](#)

Navigation Usability Improvements

The screenshot displays the PubMed.gov search results page for the query "influenza vaccine effectiveness". The page features a dark blue header with the NIH logo and "National Library of Medicine National Center for Biotechnology Information" text, and a "Log in" button. Below the header is the PubMed logo and a search bar containing the query. A "Search" button is to the right of the search bar. Below the search bar are links for "Advanced", "Create alert", "Create RSS", and "User Guide".

Below the search bar are three buttons: "Save", "Email", and "Send to". To the right of these buttons is the text "Sorted by: Best match" and a "Display options" button with a gear icon. Below these buttons is a section titled "MY NCBI FILTERS" with a checkmark icon, followed by "16,568 results". An orange arrow points from this section to a navigation bar highlighted with an orange border. This bar contains navigation icons: a double left arrow, a left arrow, the text "Page 1 of 1,657", a right arrow, and a double right arrow.

Below the navigation bar is a section titled "16,568 results" with a "Show more results" button. An orange arrow points from this section to a second navigation bar highlighted with an orange border. This bar contains navigation icons: a double left arrow, the text "First", a left arrow, the text "Prev", the text "Page 1 of 1,657", the text "Next", a right arrow, and the text "Last" followed by a double right arrow.

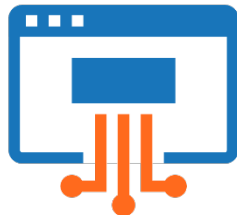
What's Coming Next?



PubMed Year End Processing (YEP)
Concluding week of December 13, 2021



PubMed API Update
Coming Spring 2022



Continuing usability reviews of existing features
Ongoing

Staying Up to Date



NLM Technical Bulletin

NCBI Insights Blog

PubMed New and Noteworthy

Help and Training



PubMed User Guide

- <https://pubmed.ncbi.nlm.nih.gov/help>

PubMed Customer Support

- <https://support.nlm.nih.gov>

PubMed Online Training

- <https://go.usa.gov/xeT4f>

NNLM Training

- <https://www.nlm.nih.gov/training>

NLM Office Hours

- Coming in 2022!

Questions?

