



# Keeping Current with the Scientific Literature

CSHP Alberta Branch Educational Virtual Seminar 2022

**Janice Kung**

John W. Scott Health Sciences Library

University of Alberta

@janicekung



# Disclosure

- ◇ I have no actual or potential conflict of interest in relation to this presentation.



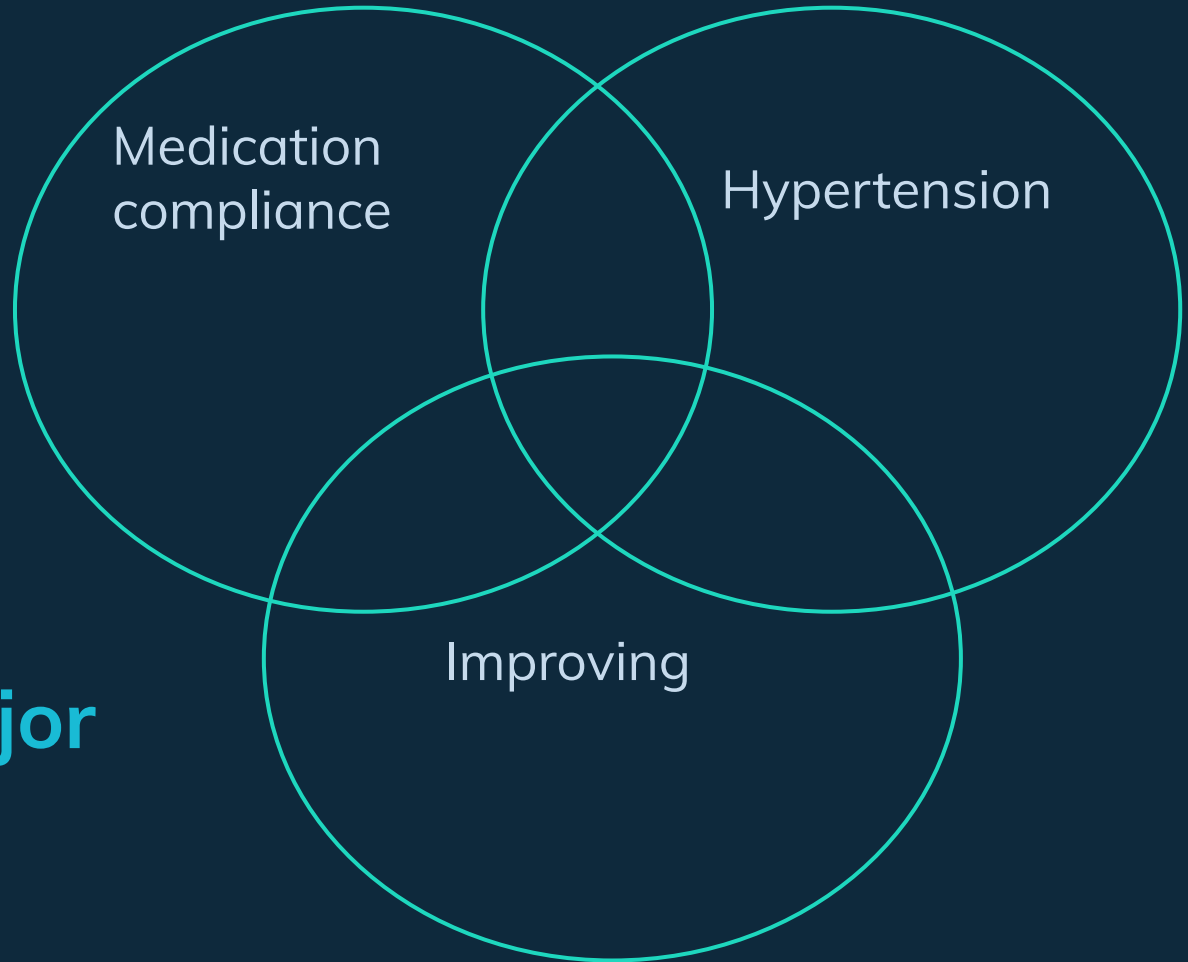
1

# How to Search?

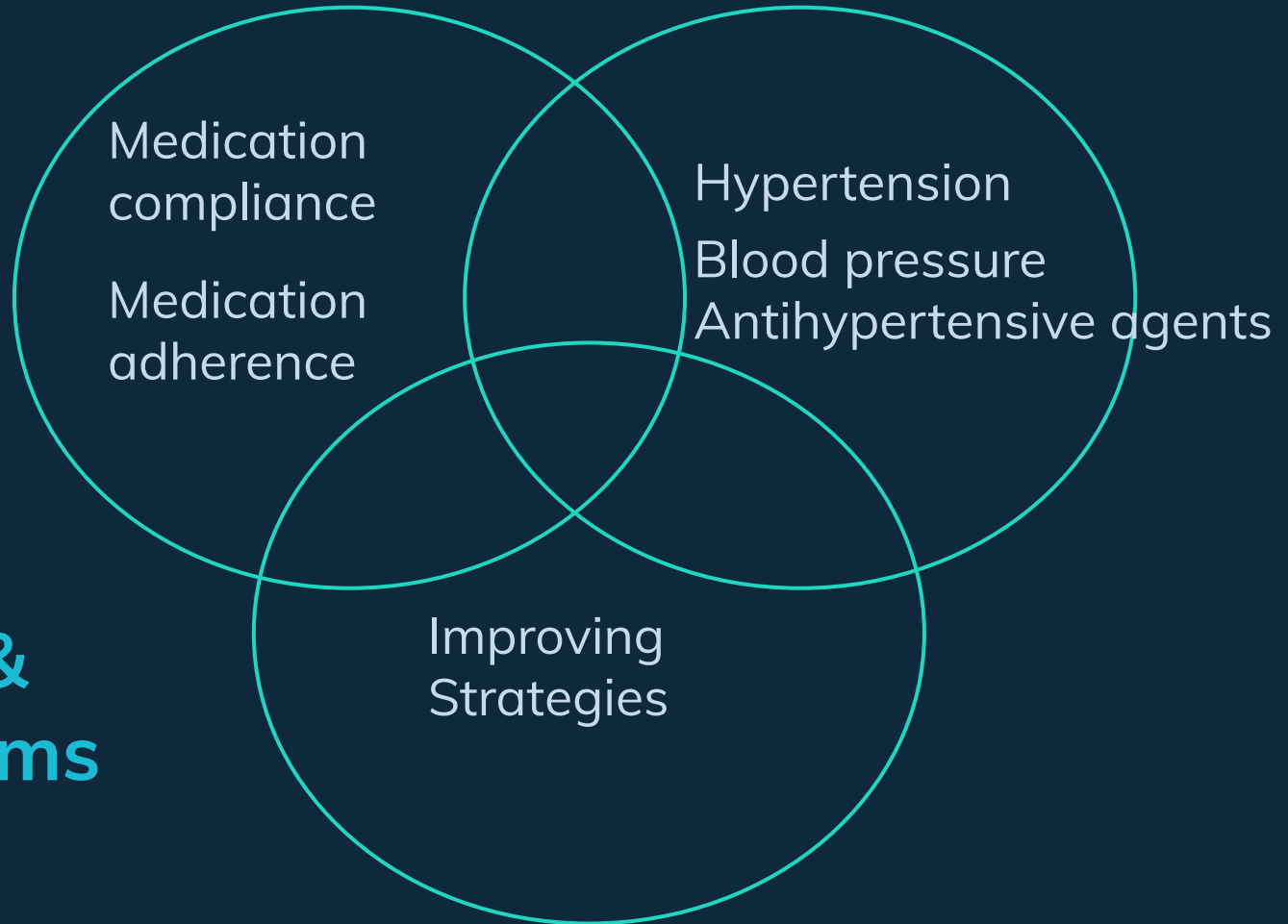


# Scenario

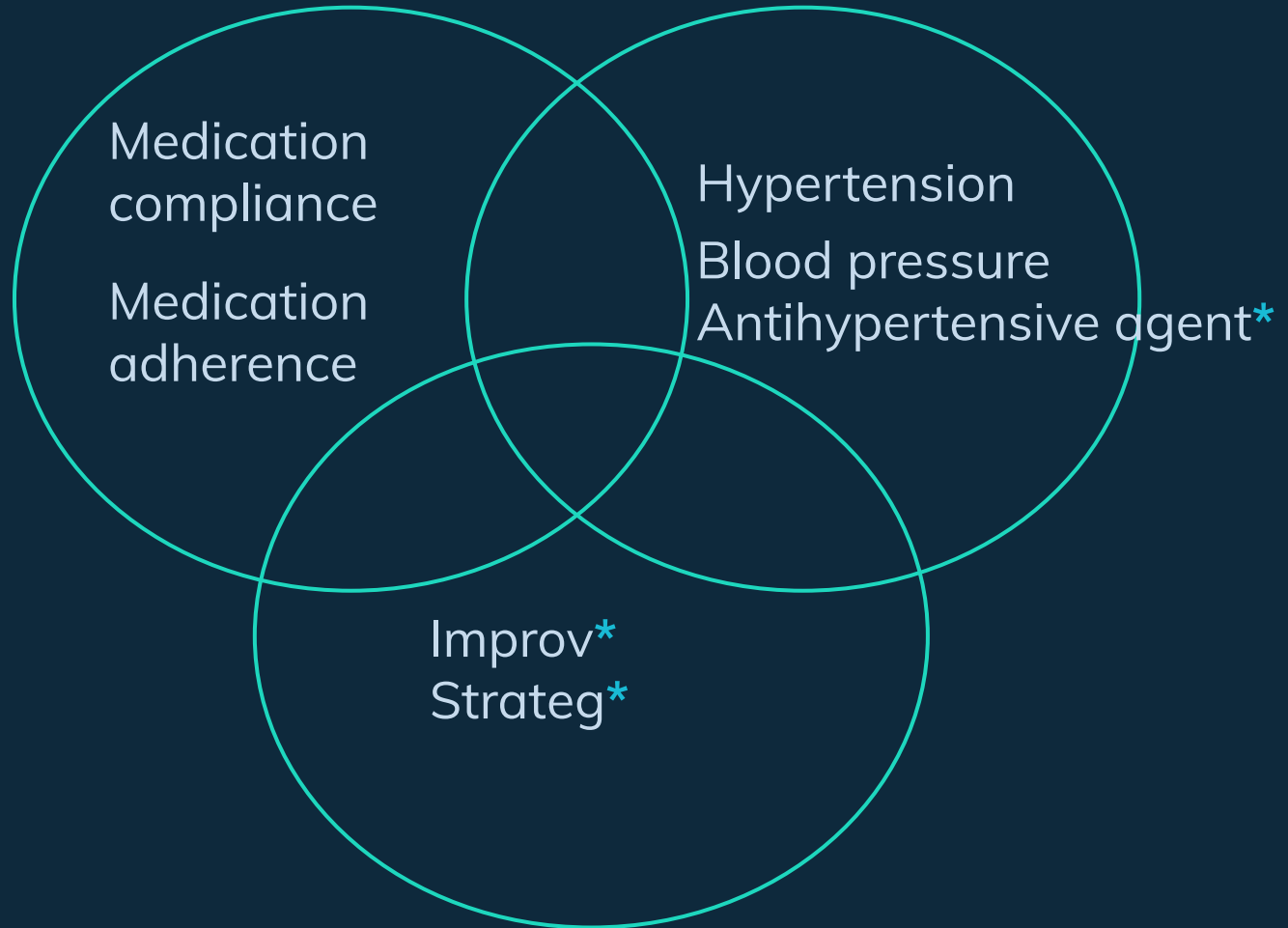
What are the strategies to improve medication compliance in hypertensive patients?



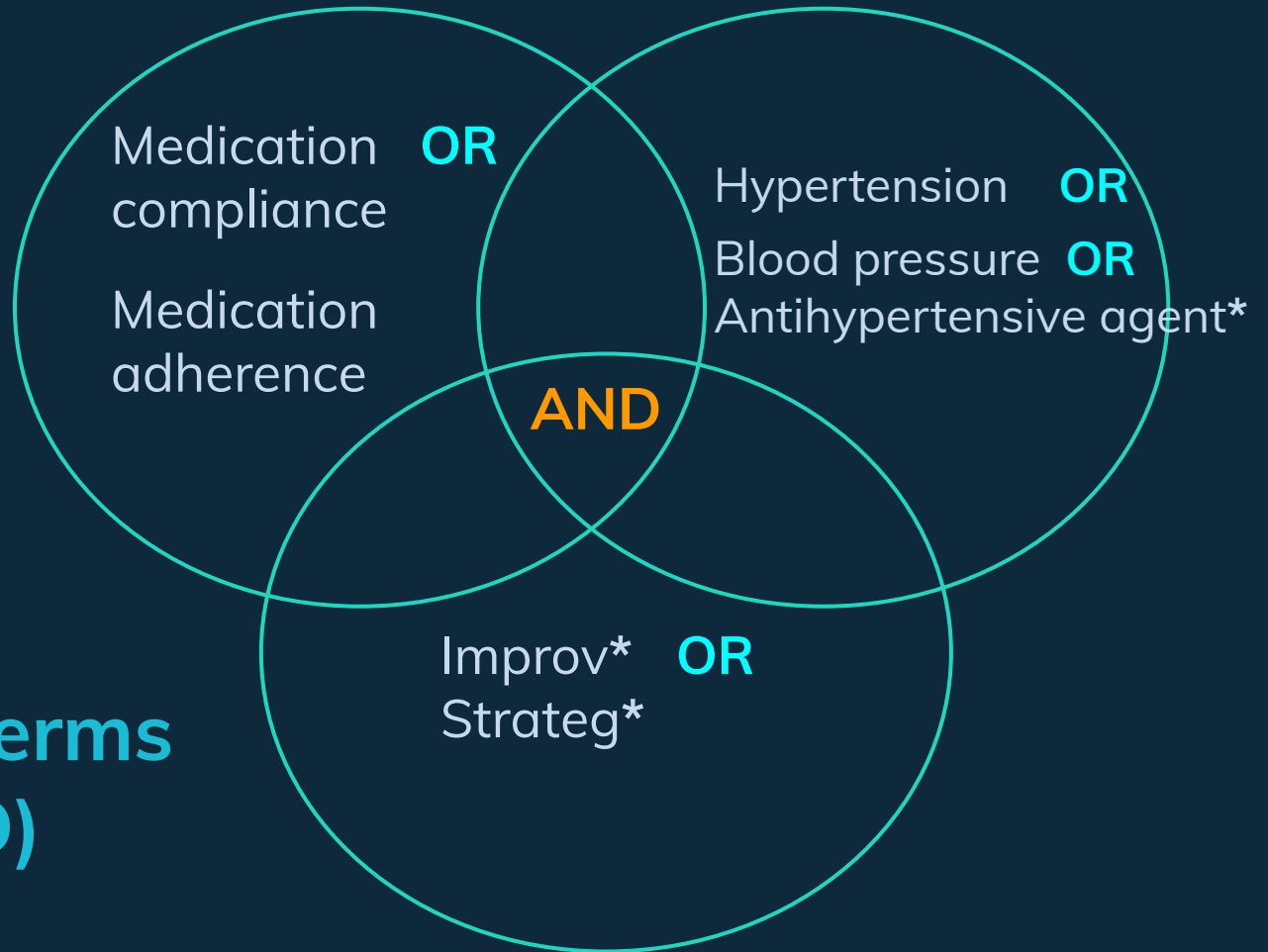
## Identify Major Concepts



## Synonyms & Related Terms



**Tip! Use \***



## Combining Terms (OR, AND)





# How Searching Works

(medication compliance **OR** medication adherence)  
**AND** (hypertension **OR** blood pressure **OR**  
antihypertensive agent\*) **AND** (improv\* **OR** strateg\*)



2

## Where to Search?



# PubMed

- ◇ Create customized alerts
  - RSS Feed → [Feedly](#)
  - NCBI account → More flexibility



## PubMed Advanced Search Builder



[User Guide](#)

Add terms to the query box

All Fields



Enter a search term

AND



[Show Index](#)

Query box

(medication compliance OR medication adherence) AND (hypertension OR blood pressure OR antihypertensive agent\* OR antihypertensive drug\*) AND (improv\* OR strateg\*)



Search



(medication compliance OR medication adherence) AND (hypertension OR b

Search

Advanced Create alert **Create RSS**

User Guide

Save

Email

Send to

Sorted by: Best match

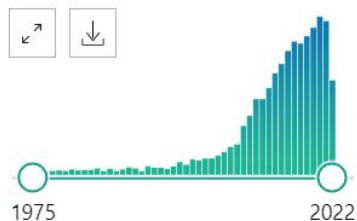
Display options ⚙

MY NCBI FILTERS

3,122 results

Page 1 of 313

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

**Resistant Hypertension: Novel Insights.**

1 Lamirault G, Artifoni M, Daniel M, Barber-Chamoux N, Nantes University Hospital Working Group On Hypertension.

Cite  
Share  
Curr Hypertens Rev. 2020;16(1):61-72. doi: 10.2174/1573402115666191011111402.  
PMID: 31622203 **Free article.** Review.

This review aims at summarizing the most recent findings on resistant **hypertension**. The recent concepts of apparent- and true-resistant **hypertension** have stimulated a more precise definition of resistant **hypertension** taking into account not only the accuracy ...

**Adherence in Hypertension.**

2 Burnier M, Egan BM.

Cite  
PMID: 30920917 **Free article.** Review.



(medication compliance OR medication adherence) AND (hypertension OR b

Search

Advanced [Create alert](#) [Create RSS](#)

[User Guide](#)

Save

Email

Send to

Sorted by: Best match

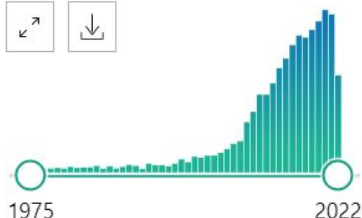
Display options

MY NCBI FILTERS

3,122 results

Page 1 of 313

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

**Resistant Hypertension: Novel Insights.**

1 Lamirault G, Artifoni M, Daniel M, Barber-Chamoux N, Nantes University Hospital Working Group On Hypertension.

Cite Curr Hypertens Rev. 2020;16(1):61-72. doi: 10.2174/1573402115666191011111402.  
Share PMID: 31622203 [Free article.](#) [Review.](#)

This review aims at summarizing the most recent findings on resistant **hypertension**. The recent concepts of apparent- and true-resistant **hypertension** have stimulated a more precise definition of resistant **hypertension** taking into account not only the accuracy ...

**Adherence in Hypertension.**

2 Burnier M, Egan BM.

Cite Circ Res. 2019 Mar 29;124(7):1124-1140. doi: 10.1161/CIRCRESAHA.118.313220.  
PMID: 30920917 [Free article.](#) [Review.](#)



(medication compliance OR medication adherence) AND (hypertension OR b



Search

[Advanced](#) [Create alert](#) [Create RSS](#)

[User Guide](#)

Save

Email

Send to

Sorted by: Best match

Display options

## Your saved search

\* Name of saved search:

Medication Compliance

\* Search terms:

(medication compliance OR medication adherence) AND (hypertension OR blood

[Test search terms](#)

Would you like email updates of new search results?

Yes

No



# Semantic Scholar

- ◇ [semanticscholar.org](https://www.semanticscholar.org)
- ◇ Started in 2015
- ◇ 2017: Biomedical literature added
- ◇ Primarily English language
- ◇ **Machine learning** search engine





## 291 results for “(medication compliance OR medication adherence) AND (hypertension OR blood pressure OR antihypertensive agent\* OR antihypertensive drug\*) AND (improv\* OR strateg\*)”

Fields of Study

Date Range

Has PDF

Author

Journals &amp; Conferences

Sort by Relevance



### Effect of Antihypertensive Therapy Compliance Using Medication Possession Ratio Method on Blood Pressure in Patients with Hypertension

[Afriani Ireineldis Anugera](#), [C. H. Setiawan](#) · Medicine · Journal of Pharmaceutical Sciences and Community · 23 May 2022

**TLDR** The statistical analyses show that **antihypertensive** therapy **compliance** affects controlled **blood pressure** in patients with **hypertension** ( $p=0.00$ ), and more efforts to support **adherence** to hypertensive treatment should be initiated to have greater effect on therapy **compliance**. [Expand](#)

PDF · View via Publisher · Save · Alert · Cite

### Abstract P306: A Specific 3-month Nursing Program After Laboratory Detection Of Non-adherence To Medication In Uncontrolled Hypertension Improves Adherence And Blood Pressure Control (ATHAN Trial)

[A. Oliveras](#), [S. Vázquez](#), +7 authors · [J. J. Hernández](#) · Medicine · Hypertension · 1 September 2022

**TLDR** A specific 3 month nursing intervention **improves** control of BP in patients with uncontrolled **hypertension** and inadequate therapeutic **compliance**, and both the BP decrease and the **improvement** in therapeutic **adherence** were maintained at 12 months. [Expand](#)

· View via Publisher · Save · Alert · Cite

### 722 IMPACT OF ANTIHYPERTENSIVE MEDICATION ADHERENCE ON BLOOD PRESSURE CONTROL IN HYPERTENSION: THE COMFORT STUDY



# Google Scholar

- ◇ Create customized alerts
  - Keyword searches
  - Follow authors



Articles

About 12,100 results (0.09 sec)

Any time

Since 2022

Since 2021

Since 2018

Custom range...

Sort by relevance

Sort by date

Any type

Review articles

include patents

include citations

Create alert

### Hypertension treatment in a medicare population: adherence and systolic blood pressure control

V Fung, J Huang, R Brand, [JP Newhouse](#), [J Hsu](#) - Clinical therapeutics, 2007 - Elsevier

... have suggested that **blood pressure** (BP) control is **improving**; ... use of thiazide diuretic **drugs** as a first-line **agent** in the ... , using **adherence** to **>1 hypertension drug** and to all **drugs** ...

☆ Save Cite Cited by 182 Related articles All 9 versions Web of Science: 90

### Efficacy of telephone and mail intervention in patient compliance with antihypertensive drugs in hypertension. ETECUM-HTA study

EM Contreras, OV García, NM Claros, VG Guillén... - ... **pressure**, 2005 - Taylor & Francis

... of the **antihypertensive drug** used in the study, the following ... that in addition to **improving compliance**, the telephone ... we improve **adherence** to **blood pressure-lowering medication** in ...

☆ Save Cite Cited by 104 Related articles All 4 versions Web of Science: 55

### Concurrent and predictive validity of a self-reported measure of medication adherence

[DE Morisky](#), [LW Green](#), [DM Levine](#) - Medical care, 1986 - JSTOR

... levels, the technique provides a mechanism of **improving** ... both **medication-adherence** behavior and **blood pressure** control ... and perhaps **compliance** with **drug treatment** in general. The ...

☆ Save Cite Cited by 7314 Related articles All 13 versions Web of Science: 3182



Articles

About 30,900 results (0.07 sec)

Any time

Since 2022

Since 2021

Since 2018

Custom range...

Sort by relevance

Sort by date

Any type

Review articles

include patents

include citations

Create alert

### User profiles for nk choudhry



Niteesh **Choudhry**

Professor, Harvard Medical School

Verified email at post.harvard.edu

Cited by 29754

### Systematic review: the relationship between clinical experience and quality of health care

**NK Choudhry**, RH Fletcher... - Annals of Internal ..., 2005 - acpjournals.org

... written review articles may be a surrogate for an emerging standard of care for some clinical issues, our results are in agreement with the findings of the recent manuscript by **Choudhry** ...

☆ Save Cite Cited by 1628 Related articles All 18 versions Web of Science: 881

### Clinical equivalence of generic and brand-name drugs used in cardiovascular disease: a systematic review and meta-analysis

..., **JL Lee**, **MR Stedman**, **MA Brookhart**, **NK Choudhry**... - Jama, 2008 - jamanetwork.com

Context Use of generic drugs, which are bioequivalent to brand-name drugs, can help contain prescription drug spending. However, there is concern among patients and physicians ...

☆ Save Cite Cited by 645 Related articles All 14 versions Web of Science: 321

### Primary prevention of cardiovascular diseases with statin therapy: a meta-analysis of randomized controlled trials



# Niteesh Choudhry

Professor, Harvard Medical School  
Verified email at post.harvard.edu - [Homepage](#)  
Implementation Research

FOLLOW

TITLE

[Heart disease and stroke statistics-2003 update](#)

American Heart Association  
<http://www.americanheart.org/downloadable/heart...>

[Systematic review: the relationship between clinical](#)

NK Choudhry, RH Fletcher, SB Soumerai  
Annals of Internal medicine 142 (4), 260-273

[Online social networking by patients with diabetes with Facebook](#)

JA Greene, NK Choudhry, E Kilabuk, WH Shrank  
Journal of general internal medicine 26 (3), 287-292

[Relationships between authors of clinical practice](#)

NK Choudhry, HT Stelfox, AS Detsky  
Jama 287 (5), 612-617

[Clinical equivalence of generic and brand-name drugs used in cardiovascular disease: a systematic review and meta-analysis](#)

AS Kesselheim, AS Misono, JL Lee, MR Stedman, MA Brookhart, ...  
Jama 300 (21), 2514-2526

644

2008

× Follow

- New articles by this author
- New citations to this author
- New articles related to this author's research

Email address for updates

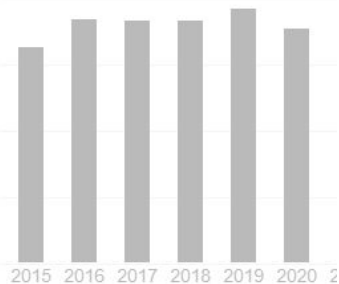
jkung@ualberta.ca

DONE

Cited by

All

Citations	29754
h-index	75
i10-index	222



Public access

8 articles

not available

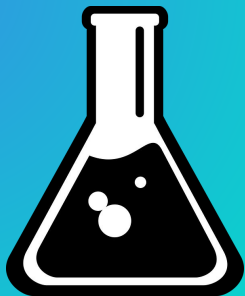
Based on funding mandates





A screenshot of the Twitter profile page for Hypertension Canada. The header shows the name "Hypertension Canada" and "1,118 Tweets". The profile picture is a white circle containing a red maple leaf with a black silhouette of a person's head and neck. The banner image is red and features several white icons: a megaphone, a stethoscope, an apple, a microscope, and a pill. The text "HYPERTENSION.CA" is visible on the banner. Below the profile picture are three icons: a three-dot menu, an envelope, and a "Follow" button. The bio reads: "Advancing health through the prevention and control of high blood pressure and its complications." Below the bio, it says "Markham, Ontario" with a location pin icon, "hypertension.ca" with a link icon, and "Joined August 2012" with a calendar icon. At the bottom, it shows "304 Following" and "2,015 Followers".

- ◇ @HTNCanada
- ◇ @alta\_schutte
- ◇ @AnastasiaSMihai
- ◇ @ISHBP
- ◇ @LabTouyz
- ◇ @hswapnil



# Thanks!

You can find me at:

- ◇ @janicekung
- ◇ janice.kung@ualberta.ca

Presentation template by [SlidesCarnival](#).  
Photographs by [Unsplash](#).

