

Healthy People 2020 Structured Evidence Queries for PubMed: Practice Informed by Research



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Introduction

Healthy People 2020 (HP2020), from the U.S. Department of Health and Human Services (HHS), provides national objectives to guide health promotion and disease prevention efforts in the United States.

The objectives provide a framework to monitor and measure improvements in health status of the American population over the decade from 2010 to 2020.

Public health professionals and policy makers may lack experience and have limited time to identify relevant research evidence to develop interventions to improve health outcomes.

Purpose

The purpose of the HP2020 Structured Evidence Queries (SEQs) is to reduce the time and increase the precision of finding and accessing research literature to support the development of evidence-based actions to achieve HP2020 objectives.

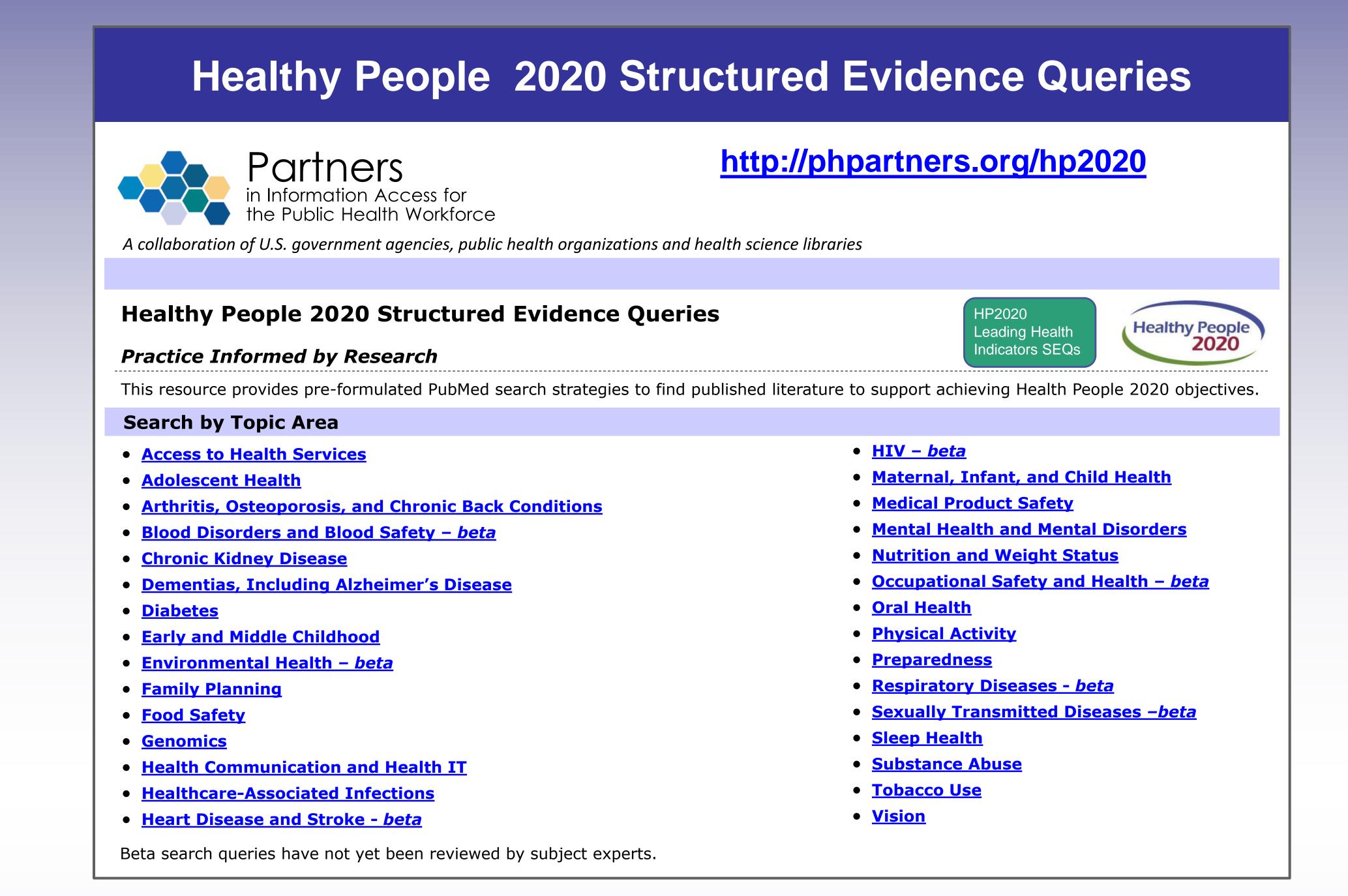
The National Library of Medicine collaborated with the HHS Office of Disease Prevention and Health Promotion to develop structured evidence queries (pre-formulated search strategies) of PubMed to retrieve citations to published research evidence relevant to Healthy People objectives.

Methods

The structured queries were developed by librarians, working in consultation with subject matter experts in public health. The librarians selected Medical Subject Headings (MeSH) and text words to develop optimal search strategies to retrieve articles on achieving specific Healthy People objectives.

Subject matter experts from the Healthy People Workgroup reviewed each search query. The expert reviewers worked with librarians to refine the search strategies to retrieve relevant articles and exclude unrelated articles.

Development of the search queries was an iterative process that often required several revisions of a specific strategy to find the optimal balance of including as many relevant citations as possible while minimizing the number of irrelevant citations. Searches were often limited by date to provide the most current information and to return a manageable number of citations.



Structured Evidence Queries Under Development Immunization and Infectious Diseases Cancer Disability and Health Injury and Violence Prevention • Educational and Community-Based Programs • Lesbian, Gay, Bisexual, and Transgender Health Global Health Older Adults Public Health Infrastructure • Health-Related Quality of Life and Well-Being Hearing and Other Sensory or Communication Disorders Social Determinants of Health

Outcomes

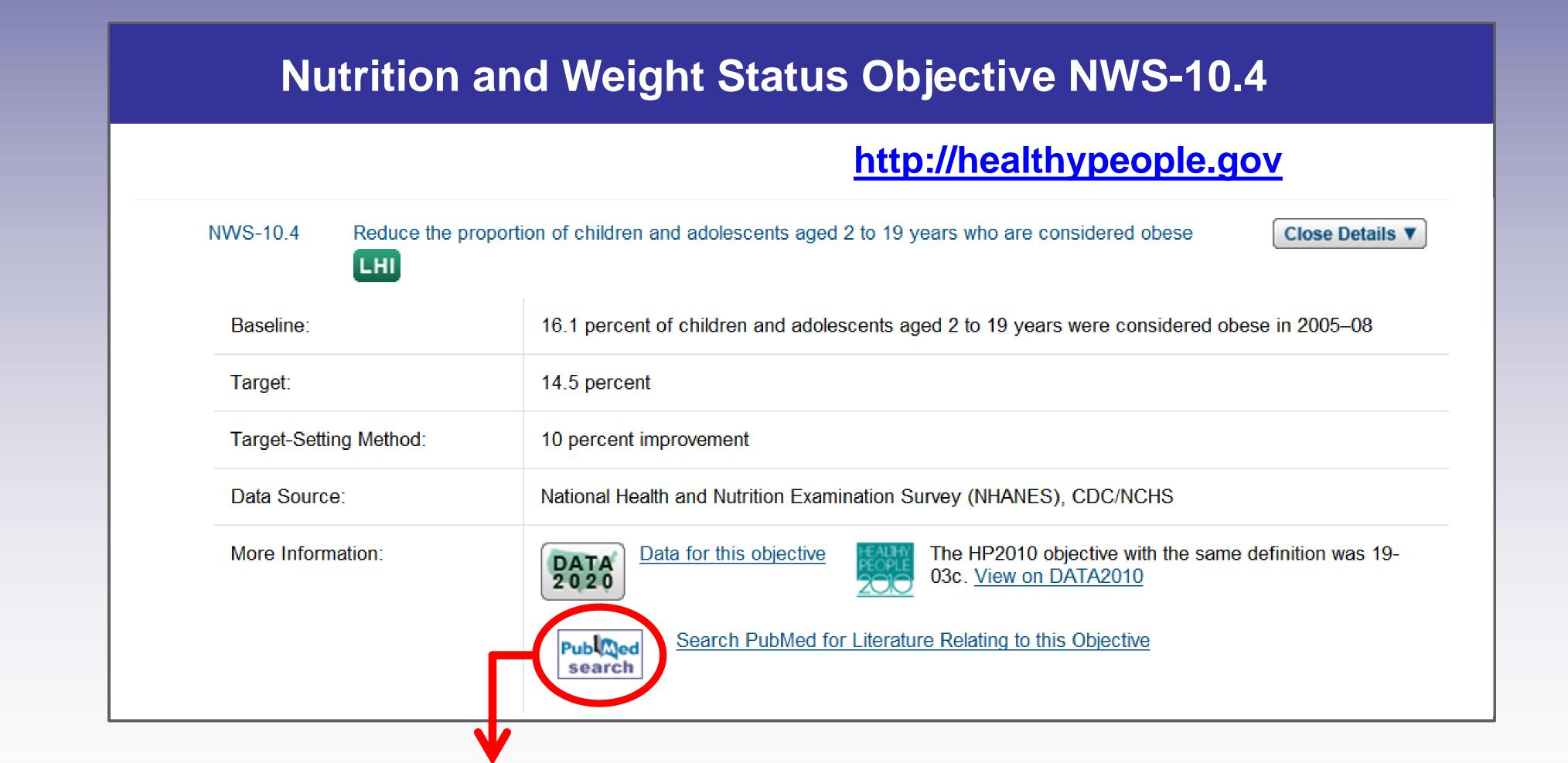
The Healthy People 2020 Structured Evidence Queries site is organized by HP2020 topic areas. At the current time, structured evidence queries for 289 health objectives in 23 topic areas have been formulated by librarians and reviewed by subject experts. 116 additional SEQs in 7 topic areas are undergoing expert review and available in beta version.

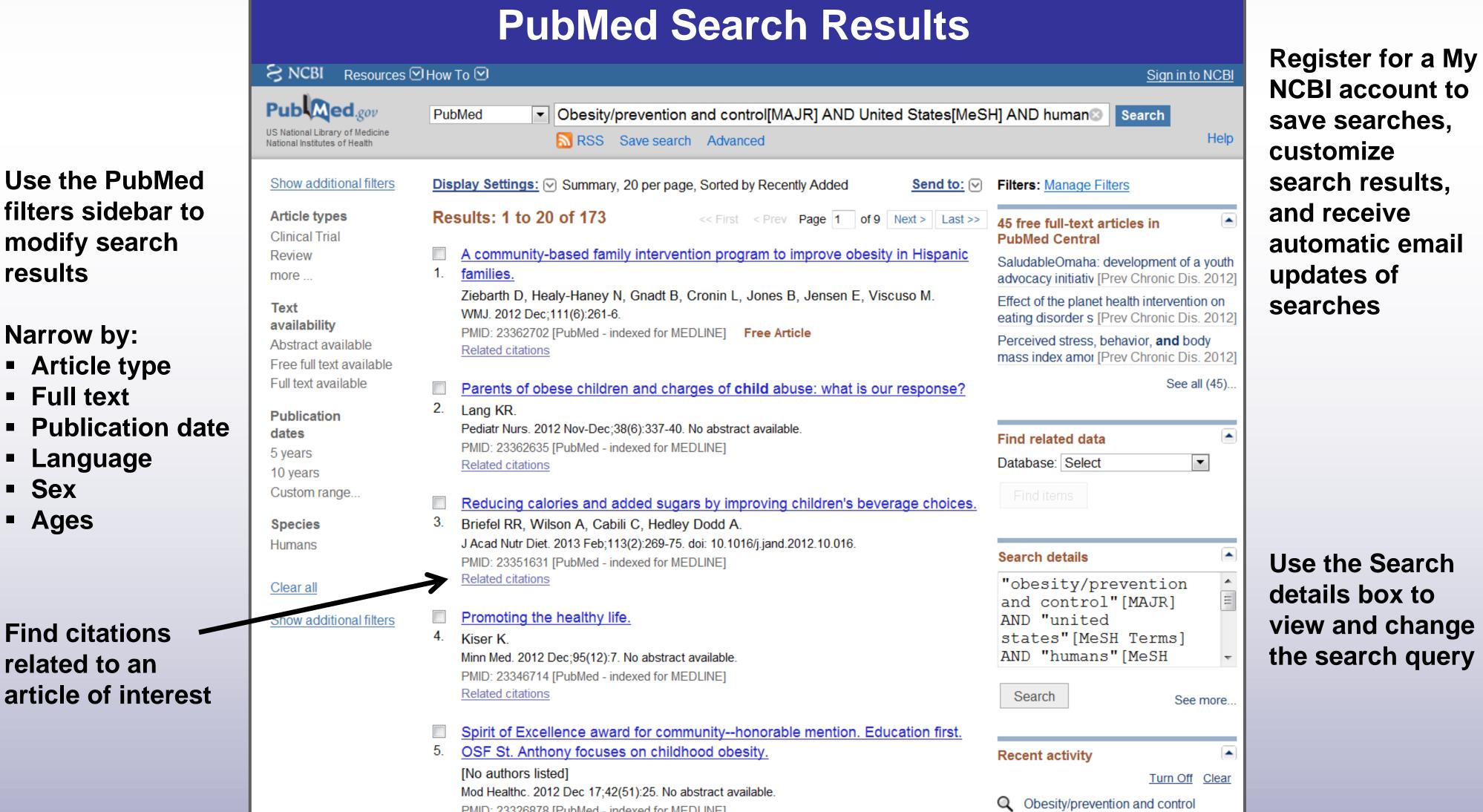
The site also provides search queries for the Healthy People 2020 Leading Health Indicators, a subset of high-priority health issues that represent significant threats to the public's health.

The SEQs are integrated with the HealthyPeople.gov website. Users retrieve the most recent research articles indexed for MEDLINE on Healthy People objectives each time a SEQ is selected and run in PubMed.

The search strategies can be modified in PubMed to address particular practice and research needs. Information on how to modify and save searches, obtain copies of articles, and receive assistance from the National Network of Libraries of Medicine is provided in the FAQ section of the website.

Additional resources on public health topics are available from the Partners in Information Access for the Public Health Workforce website, http://PHPartners.org.





Use the Search

Conclusion

Use the PubMed

filters sidebar to

modify search

Narrow by:

Full text

Language

Find citations

article of interest

related to an

Sex

Ages

Article type

results

The HP2020 SEQs provide peer-reviewed research evidence to support national objectives for improving the health of all Americans. The search queries will be periodically updated and refined and will ultimately be available for all Healthy People 2020 objectives.

The resource is the outcome of an effective partnership between librarians, public health professionals, and subject experts.

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