Searching for Translational Research

RESEARCH GUIDE

HTTP://LIBGUIDES.GWUMC.EDU/C_PHP?G=538973&P=3781847
Tips for Conducting Online Translational Research

Use these tips in conjunction with the Health Evidence worksheets in the Translational Science Research Guide:  http://libguides.gwumc.edu/c.php?g=538973&p=3700749

Always start your research at the Himmelfarb Home page: himmelfarb.gwu.edu

When searching PubMed, consider using the “Clinical Queries” feature or the Himmelfarb filters for evidence-based studies to focus on evidence-based research.
HPV Virus

ETIOLOGY OF CERVICAL CANCER, DEVELOPMENT OF VACCINE AND ITS UPTAKE AMONG TARGETED POPULATION
What do you know about this topic?

Access Medicine: https://accessmedicine.mhmedical.com/
**T1 Research:**

**Definition:** basic science research discoveries from animal and preclinical studies applied to phase I and II clinical trials; determining efficacy.

**Databases to search:**

PubMed

**Search Strategies:**

Specific scientific terms, use the MeSH database to identify drug names

MeSH terms to try: Drug Evaluation and Drug Evaluation, Preclinical

Limit search by: year, English, article type (Clinical Trials, Phase I and Clinical Trials, Phase II)

Start here: [http://himmelfarb.gwu.edu/](http://himmelfarb.gwu.edu/)
Definition: Building on validated T1 research to develop evidence-based practice guidelines; phase III trials, determining cost effectiveness and treatment strategies.

Databases to search:

PubMed (for medical topics)
Scopus (for searches that extend into the social sciences and psychology literature)
Cochrane databases which focus on reporting T2 studies

Search Strategies:

Use PICO worksheet to frame question Intervention names (i.e. drug or therapy)
MeSH terms to try: Treatment Outcome, Patient Outcome Assessment, Translational Medical Research
Limit search: to human, by year, by article type (Clinical Trial, Phase III and Practice Guideline; Systematic Reviews; Meta-Analyses)

Start here: http://himmelfarb.gwu.edu/
**Definition:** Applying guidelines developed as part of T2 research to practice; phase IV trials, focus on dissemination and implementation.

**Databases to search:**

PubMed

**Search Strategies:**

MeSH terms to try: Product Surveillance, Postmarketing; Diffusion of Innovation; Information Dissemination; Translational Medical Research

Limit searches by: article type (Clinical Trial, Phase IV; Systematic Reviews; Meta-Analyses)

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T4 Research:

**Definition:** Research that explores how changes in health practice affect population health; focus on outcomes research.

**Databases to search:**
- PubMed
- Scopus
- PsycInfo for broader coverage

**Search Strategies:**

MeSH terms to try: Outcome Assessment (Health Care), Patient Outcome Assessment, Critical Care Outcomes, Health Services Research, Follow-up Studies, Long Term Adverse Effects, Comparative Effectiveness Research; Program Evaluation, Nursing Research Evaluation, Drug Utilization Review, Costs and Cost Analysis, Health Expenditures

Limits searches by: article type (Evaluation Studies; Pragmatic Clinical Trial; Comparative Study; Systematic Reviews; Meta-Analyses)

Start here: [http://himmelfarb.gwu.edu/](http://himmelfarb.gwu.edu/)

Try [Cochrane](http://cochrane.org/)
Other Databases (continued)

Group 1: Global Health and Scopus
Group 2: ERIC and PubMed
Group 3: ABI/Inform and CINAHL
Group 4: Health Policy Reference Center and Google Scholar

What did you find within your databases related to T4?

What is the scope/coverage for your particular databases?

Consider: Who are the stakeholders? i.e. parents/clinicians/policymakers?
Questions?