

Appendix A – Techniques for Observational Studies and/or Harms

Frasier 2006 Observational Studies – surgery			
MEDLINE		EMBASE	
Precision	Specificity	Precision	Specificity
Comparative studies/ Follow-up studies/ (preoperat\$ or pre operat\$).mp chang\$.tw evaluat\$.tw reviewed.tw prospective\$.tw baseline.tw cohort.tw consecutive\$.tw (compare\$ or compara\$).tw	Comparative studies/ Follow-up studies/ Time factors/ (preoperat\$ or pre operat\$).mp chang\$.tw evaluat\$.tw reviewed.tw prospective\$.tw retrospective\$.tw baseline.tw cohort.tw case series.tw	Controlled Study/ Treatment outcome/ Major clinical study/ (preoperat\$ or pre operat\$).mp chang\$.tw evaluat\$.tw reviewed.tw (compare\$ or compara\$).tw	Controlled Study/ Treatment outcome/ Major clinical study/ Clinical trial/ chang\$.tw evaluat\$.tw reviewed.tw baseline.tw (compare\$ or compara\$).tw

Furlan 2006 Observational Studies	
MEDLINE	EMBASE
Cohort studies/ comparative study/ follow-up studies/ prospective studies/ risk factors/ cohort.mp. compared.mp. groups.mp. multivariate.mp.	clinical article/ controlled study/ major clinical study/ prospective study/ cohort.mp. compared.mp. groups.mp. multivariate.mp.

Golder 2006 Adverse Effects		
search approach	MEDLINE	EMBASE
specified adverse effects	<i>Drug terms</i> AND Exp LIVER DISEASES/ci	<i>Drug terms</i> AND Exp LIVER DISEASE/si
subheadings linked to drug name	Exp <i>DRUG NAME</i> adverse events, po, to	Exp <i>DRUG NAME</i> adverse events, to
floating subheadings	<i>Drug terms</i> AND (ae OR po OR to OR co OR de).fs.	<i>Drug terms</i> AND (ae OR to OR co).fs.
text word synonyms of “adverse effects” and related terms	<i>Drug terms</i> AND {safe OR safety OR side-effect\$ OR undesirable effect\$ OR treatment emergent OR tolerability OR toxicity OR adrs OR [adverse adj2 (effect or	<i>Drug terms</i> AND {safe OR safety OR side-effect\$ OR undesirable effect\$ OR treatment emergent OR tolerability OR toxicity OR adrs OR [adverse adj2 (effect or

	effects or reaction or reactions or event or events or outcome or outcomse]]}	effects or reaction or reactions or event or events or outcome or outcomse]]}
indexing terms for “adverse effects”	<i>Drug terms</i> AND exp DRUG TOXICITY/	Drug terms AND (exp ADVERSE DRUG REACTION/ OR Exp Side-Effect/)

Loke 2007 – indexing terms (subheadings)	
MEDLINE	EMBASE
/adverse effects /poisoning /toxicity /chemically induced /contraindications /complications	/side effect /adverse drug reaction /drug toxicity /complication

SIGN Observational Studies					
MEDLINE		EMBASE		CINAHL	
1	Epidemiologic studies/	1	Clinical study/	1	Prospective studies/
2	Exp case control studies/	2	Case control study	2	Exp case control studies/
3	Exp cohort studies/	3	Family study/	3	Correlational studies/
4	Case control.tw.	4	Longitudinal study/	4	Nonconcurrent
5	(cohort adj (study or studies)).tw.	5	Retrospective study/	5	prospective studies/
6	Cohort analy\$.tw.	6	Prospective study/	6	Cross sectional studies/
7	(Follow up adj (study or studies)).tw.	7	Randomized controlled trials/	7	(cohort adj (study or studies)).tw.
8	(observational adj (study or studies)).tw.	8	6 not 7	8	(observational adj (study or studies)).tw.
9	Longitudinal.tw.	9	Cohort analysis/		
10	Retrospective.tw.	10	(Cohort adj (study or studies)).mp.		
11	Cross sectional.tw.	11	(Case control adj (study or studies)).tw.		
12	Cross-sectional studies/	12	(follow up adj (study or studies)).tw.		
13	Or/1-12	13	(observational adj (study or studies)).tw.		
		14	(epidemiologic\$ adj (study or studies)).tw.		
		15	(cross sectional adj (study or studies)).tw.		
		16	Or/1-5,8-15		

Appendix B – Specialized Databases

Free Resources			
Database	URL	Topic Coverage	References
AgeLine	http://www.aarp.org/research/ageline/	Aging, Health topics of interest to people over 50	Tomasulo, 2005
BiblioMap	http://eppi.ioe.ac.uk/webdatabases/Search.aspx	Health Promotion	Lefebvre, 2008
C2-SPECTR (Campbell Collaboration’s Social, Psychological, Educational and Criminology Trials Register)	http://geb9101.gse.upenn.edu/	Trial Register for Social Sciences (similar to DARE)	Petrosino, 2000
ERIC (Education Resources Information Center)	http://www.eric.ed.gov/	Education, including the education of health care professionals as well as educational interventions for patients	Anon, 2006
IBIDS (International Bibliographic Information on Dietary Supplements)	http://ods.od.nih.gov/Health_Information/IBIDS.aspx	Dietary Supplements	Tomasulo, 2000
ICL (Index to Chiropractic Literature)	http://www.chiroindex.org/	Chiropractic	Aker, 1996
NAPS (New Abstracts and Papers in Sleep)	http://www.websciences.org/bibliosleep/naps/default.html	Sleep	
OTseeker (Occupational Therapy Systematic Evaluation of Evidence)	http://www.otseeker.com/	Occupational Therapy	Bennett, 2003 Bennett, 2006
PEDro (Physiotherapy Evidence Database)	http://www.pedro.org.au/	Physical Therapy	Sherrington, 2000 Moseley, 2002 Giglia, 2008 Fitzpatrick, 2008
PILOTS	http://www.ncptsd.va.gov/ncmain/publications/pilots/	PTSD and Traumatic Stress	Banks, 1995 Kubany, 1995 Lerner, 2007

PopLine	http://db.jhuccp.org/ics-wpd/popweb/	Population, Family Planning & Reproductive Health	Adebonojo, 1994
RDRB (Research and Development Resource Base)	http://www.rdrb.utoronto.ca/about.php	Medical Education	Anne, 1995
RehabData	http://www.naric.com/research/rehab/	Rehabilitation	Fitzpatrick, 2007
Social Care Online	http://www.scie-socialcareonline.org.uk/	Social Care including: Healthcare, Social Work and Mental Health	Gwynne-Smith, 2007
TOXNET	http://toxnet.nlm.nih.gov/	Toxicology Environmental Health Adverse Effects	Hochstein, 2007
TRIS (Transportation Research Information Service)	http://ntlsearch.bts.gov/tris/index.do	Transportation Research	Wang, 2001
Subscription Resources			
Database	URL	Topic Coverage	References
AMED (Allied and Complimentary Medicine Database)	http://www.ovid.com/site/catalog/DataBase/12.jsp	Complementary Medicine and Allied Health	Hoffecker, 2006 Pilkington, 2007
ASSIA (Applied Social Science Index and Abstracts)	http://www.csa.com/factsheets/assia-set-c.php	Applied Social Sciences including: Anxiety disorders, Geriatrics, Health, Nursing, Social Work and Substance abuse	LaGuardia, 2002
BNI (British Nursing Index)	http://www.bnipplus.co.uk/about_bni.html	Nursing and Midwifery	Lefebvre, 2008 Flemming 2007
ChildData	http://www.childdata.org.uk/	Child related topics including child health	Lefebvre, 2008
CINAHL (Cumulative Index to Nursing and Allied Health)	http://www.ebscohost.com/cinahl/	Nursing and Allied Health	Avenell, 2001 Betran, 2005 Brettle, 2001 Stevinson, 2004 Subriana 2005 Walker-Dilks, 2008 Wong, 2006
CommunityWISE	http://www.oxmill.com/communitywise/	Community issues including community health	Lefebvre, 2008

EMBASE	http://www.embase.com/	Biomedical with and emphases on drugs an pharmaceuticals, more non-US coverage than MEDLINE	Avenell, 2001 Minozzi, 2000 Sampson, 2003 Suarez-Almozar, 2000
EMCare	http://www.elsevier.com/wps/find/bibliographicdatabasesdescription.cws_home/708272/description#description	Nursing and allied health	Ulincy, 2006
Global Health	http://www.cabi.org/datapage.asp?iDocID=169	International Health	Fitzpatrick, 2006
HaPI (Health and Psychosocial Instruments)	http://www.ovid.com/site/catalog/DataBase/866.jsp	Health and psychosocial testing instruments	Arnold, 2006
IPA (International Pharmaceutical Abstracts)	http://www.csa.com/factsheets/ipa-set-c.php	Drugs and Pharmaceuticals	Fishman, 1996 Wolfe, 2002
MANTIS (Manual Alternative and Natural Therapy Index System)	http://www.healthindex.com/MANTISDatabaseOverview.html	Osteopathy, Chiropractic and Alternative Medicine	Hoffecker, 2006 Murphy, 2003 Tomasulo, 2001
PsycINFO	http://www.apa.org/psycinfo/	Psychological literature	Eady, 2008 Pilkington, 2007 Stevinson, 2004
Sociological Abstracts	http://www.csa.com/factsheets/socioabs-set-c.php	Sociology including: Health and Medicine and the Law, Social psychology and Substance abuse and addiction	DeLuca2008
Social Services Abstracts	http://www.csa.com/factsheets/ssa-set-c.php	Social Services including: mental health services, gerontology and health policy	Taylor, 2007

Appendix C: Websites

Cochrane Collaboration Handbook
<http://www.cochrane-handbook.org/>

The National Health Service Centre for Reviews and Dissemination
<http://www.york.ac.uk/inst/crd/revs.htm>

The Scottish Intercollegiate Guidelines Network
<http://www.sign.ac.uk/methodology/filters.html>

The InterTASC Information Specialists' Sub-Group
<http://www.york.ac.uk/inst/crd/intertasc/index.htm>

British and English Spelling Differences
http://en.wikipedia.org/wiki/American_and_British_English_spelling_differences

TOXNET
<http://toxnet.nlm.nih.gov/>

Web of Science
http://isiwebofknowledge.com/products_tools/multidisciplinary/webofscience/

Scopus
<http://info.scopus.com/>

Google Scholar
<http://scholar.google.com/>

Google Scholar Preferences
http://scholar.google.com/scholar_preferences?hl=en

PubFocus
<http://www.pubfocus.com/>

PubMed PubReMiner
<http://bioinfo.amc.uva.nl/human-genetics/pubreminer/>

Ulrich's Periodical Directory
<http://www.ulrichsweb.com/ulrichsweb/>

Drugs@FDA
http://www.accessdata.fda.gov/Scripts/cder/DrugsatFDA/index.cfm?fuseaction=Search.Search_Drug_Name

FDA Center for Drug Evaluation and Research (CDER) Archives
<http://www.fda.gov/cder/archives/default.htm>

Dockets for FDA
www.fda.gov/ohrms/dockets/default.htm

Devices@FDA

<http://www.accessdata.fda.gov/scripts/cdrh/devicesatfda/>

Health Canada Drug Product Search

http://205.193.93.51/dpdonline/startup.do?applanguage=en_CA

European Medicines Agencies EPARs for authorized medicinal products for human use

<http://www.emea.europa.eu/htms/human/epar/a.htm>

ClinicalTrials.gov

<http://clinicaltrials.gov/ct2/search>

ClinicalStudyResults.org

<http://www.clinicalstudyresults.org/home/>

Current Controlled Trials

<http://www.controlled-trials.com/mrct/>

Australian New Zealand Clinical Trials Registry

<http://www.anzctr.org.au/trialSearch.aspx>

Netherlands Trial Registry

<http://www.trialregister.nl>

University hospital Medical Information Network (UMIN) clinical trials registry [Japan]

<https://center.umin.ac.jp/cgi-open-bin/ctr/ctr.cgi?function=search&action=input&language=E>

WHO International Clinical Trials Registry

<http://apps.who.int/trialsearch/>

ProceedingsFirst (OCLC)

<http://www.oclc.org/support/documentation/FirstSearch/databases/dbdetails/details/Proceedings.htm>

Biological Abstracts (available as part of Thomson Reuters BIOSIS)

<http://science.thomsonreuters.com/cgi-bin/jrnlst/jloptions.cgi?PC=BA>

Conference Papers Index (from CSA)

<http://www.csa.com/factsheets/cpi-set-c.php>

Conference Proceedings Citation Index (available as part of Thomson Reuters Web of Science)

http://isiwebofknowledge.com/products_tools/multidisciplinary/webofscience/cpci/

BioWizard Scholar Conference Abstract Search

<http://www.biowizard.com/>

ProQuest Dissertation & Theses

<http://www.proquest.com/en-US/catalogs/databases/detail/pqdt.shtml>

Index to Theses in Great Britain and Ireland

<http://www.theses.com/>

Networked Digital Library of Theses and Dissertations (NDLTD)

<http://www.ndltd.org/>

Dissertation Abstracts Online (from OCLC)

<http://www.oclc.org/support/documentation/FirstSearch/databases/dbdetails/details/Dissertations.htm>

CRISP (Computer Retrieval of Information on Scientific Projects)

<http://crisp.cit.nih.gov>

Health Services Research Projects in Progress (HSRPROJ)

http://wwwcf.nlm.nih.gov/hsr_project/home_proj.

Science Accelerator

<http://www.scienceaccelerator.gov/>

Defense Technical Information Center (DTIC) Online

<http://www.dtic.mil/dtic>

The Canadian Agency for Drugs and Technologies Grey Matters: a practical tool for evidence-based searching is available at the bottom of this website

<http://cadth.ca/index.php/en/cadth/products>

The System for Information on Grey Literature in Europe (SIGLE)

<http://opensigle.inist.fr>

The New York Academy of Medicine

<http://www.nyam.org/library/grey>.

Hoovers

<http://www.hoovers.com/free/>

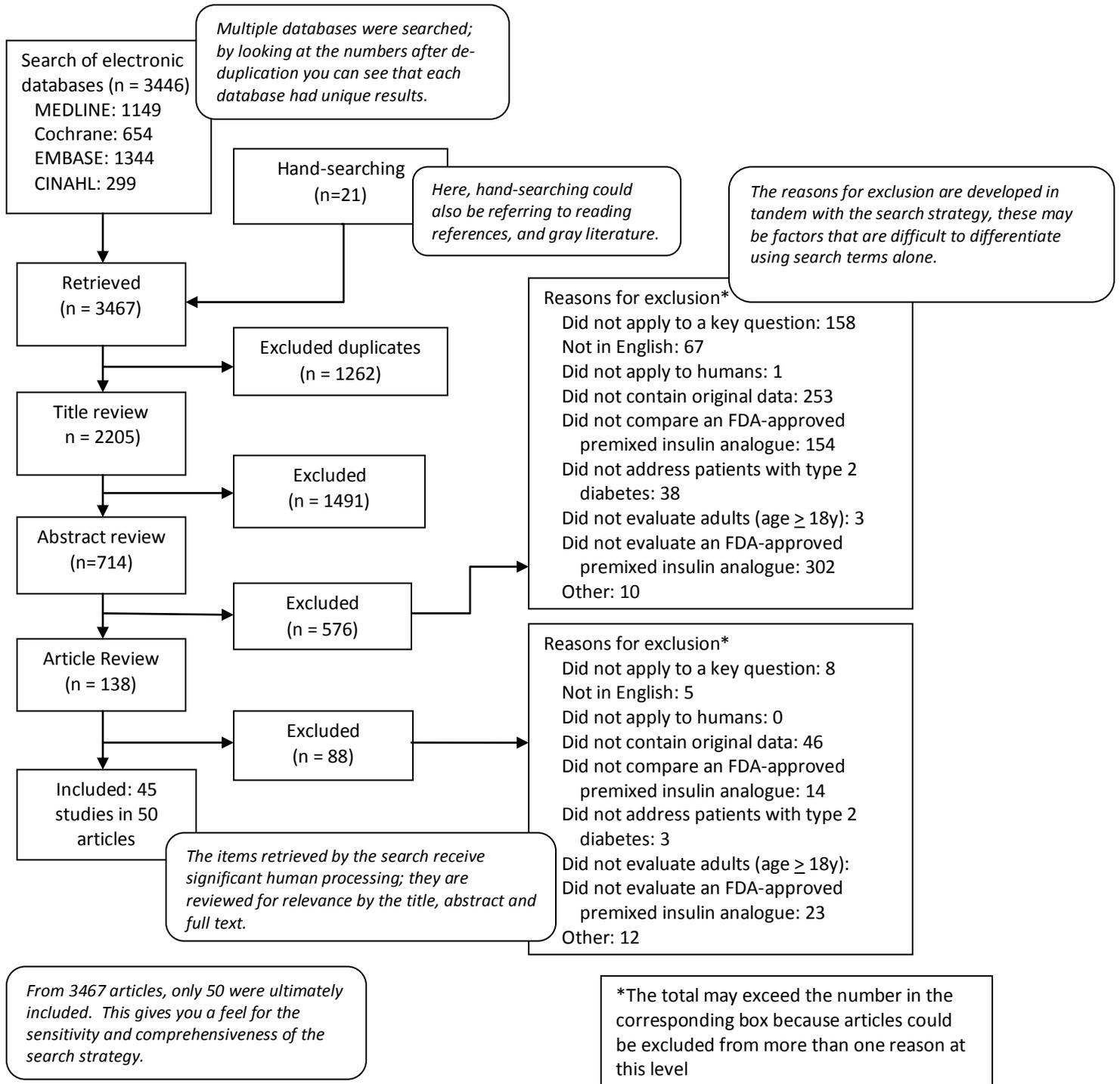
Gale's Business & Company Resource Center

<http://www.gale.cengage.com/BusinessRC/index.htm>

Appendix D. Grant databases

Database	Search Terms?	Data Down-loadable?	Grant Number?	Listed Publications?	Provided Registration Status?	Allowed Results Posting?	Comprehensive When Compared to Other Sources?
NIH RePORTER http://report.nih.gov/index.aspx	Yes	Yes	Yes	Yes but not accurate	No	No	Yes
Foundation Directory Online (FDO)	Yes	Yes	Yes	No	No	No	No
HSRProj http://wwwcf.nlm.nih.gov/hsr_project/home_proj.cfm	No	Yes	Yes	No	No	No	No
AHRQ GOLD http://gold.ahrq.gov/projectsearch/	No	Yes	Yes	Yes but not accurate	No	No	No

Appendix E – CONSORT-style flow diagram of literature search, annotated



Adapted from: Qayyum R, Bolen S, Maruthur N, et al. Systematic review: comparative effectiveness and safety of premixed insulin analogues in type 2 diabetes. *Ann Intern Med.* Oct 21 2008;149(8):549-559.

