

SUPPLEMENTARY MATERIALS

Economic evaluation in global perspective: A bibliometric analysis of the recent literature

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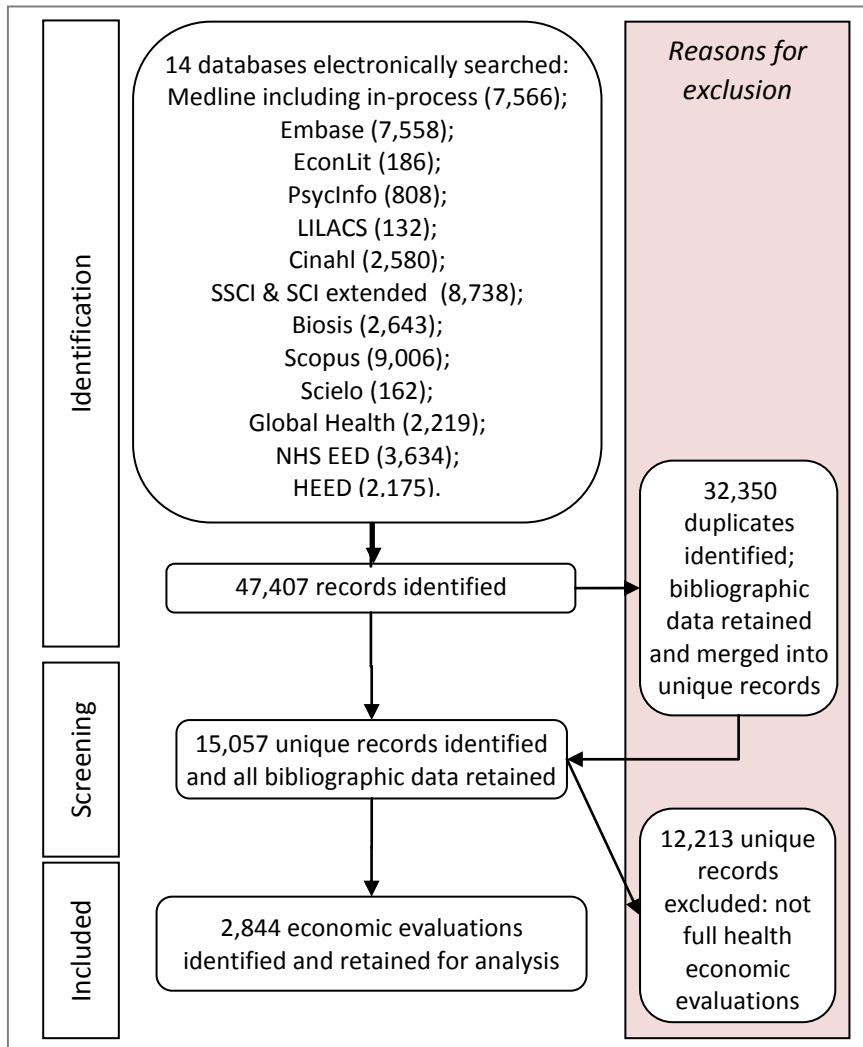
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References

Figure S1 Flow diagram of the data development process

The figure is adapted from the flow diagram recommended in the PRISMA statement on systematic reviews (Liberati et al., 2009). The “eligibility” stage recommended by PRISMA is not used here as articles were not reviewed for quality; decisions to include records were based primarily on the record’s source, title, and abstract; the full text was only screened where the title was unclear and the abstract was not available in any of the downloaded data.



Text S1 A note on database indexing terms

In developing our search strategy, we explored the use of controlled vocabulary indexing terms, if available, in each of the databases; unlike author-defined keywords, these terms are generally applied to publications by professional indexers from a pre-defined set. While this standardization should offer advantages, one drawback is the delays in their application; while many of the databases offer basic citation data as supplied by the journal first, indexing takes more time and so searches based exclusively on indexing terms will exclude the most recent literature, to which index terms have not yet been applied.

In Medline and Embase, indexing terms are known as medical subject headings (MeSH) and Emtree (which is not an acronym), respectively; both are organized hierarchically. While the only MeSH term relevant to our search is “cost-benefit analysis”, Emtree appears much more detailed and appropriate, as it distinguishes “cost effectiveness analysis”, “cost utility analysis”, and “cost benefit analysis” from “cost control”, “cost minimization analysis”, and “cost of illness” within the broader indexing term “economic evaluation.” When we compared the results of our searches in the title, abstract, and author-defined keywords for the key terms we identified above with the results of searches using MeSH terms (in Medline) and Emtree terms (in Embase), we found that the controlled vocabulary terms were both less specific and less sensitive. Our search terms identified many relevant articles missed by the MeSH and Emtree indexers. By contrast, the controlled vocabulary terms greatly increased the number of search results, but a review of the first hundred records identified by the MeSH term and, separately, by each of the three Emtree terms (i.e. 400 records in total) after excluding records identified by our search terms identified only one additional article meeting our inclusion criteria (identified by the Emtree term “cost-effectiveness analysis”). We used this article to develop an additional set of search terms (based on “cost per x”) and concluded that the MeSH and Emtree BM indexing terms were not useful for our final searches, as they identified a vast number of articles, many of which contained no cost or other economic data or analysis, while omitting many relevant publications.

Another database applying its own indexing is HEED. On the “compound search” page, HEED offers “type of econ eval” as a search category, as well as a “type of article”. While the associated picklist does not make this obvious, HEED in fact categorizes economic evaluations as “cost effectiveness analysis”, “cost utility analysis”, “cost benefit analysis”, “cost analysis”, “cost of illness”, “cost benefit analysis”, and “cost consequences analysis”; it allows a single record to be classified as multiple types of economic evaluation, allows the user to specify only “applied study” as the “type of article”, and reports that its indexers are professional health economists. After examining this classification, we found that the terms for CEA, CUA, and CBA were highly specific and useful when combined with “applied study” as type of study, however, many publications in the HEED database were not classified at all, making the search relatively insensitive even within the HEED database. In HEED, we therefore implemented two separate searches: 1) using the HEED classification of the type of economic evaluation, and 2) using our search terms in the title, abstract, and author-defined keywords, and excluding records containing the specified categories, such that any records identified by this search would be additional to records identified by the use of HEED’s indexing.

The EconLit database uses the Journal of Economic Literature (JEL) classification system, however, unlike the indexing systems previously described, JEL codes are applied by the authors themselves. They break down the wider health economics field into 6 specified sub-fields, none of which mention in their descriptions or examples either applied or methodological work in economic evaluation; “general” and “other” health economics categories are also provided. On reviewing a

selection of health economic evaluations in the EconLit database identified by title and abstract searches, we found that while some authors combine the codes “D61: Allocative Efficiency; Cost-benefit analysis” (within the microeconomics heading) and “I12: Health Production” (within the health economics heading), other authors did not use these codes at all, choosing instead a wide variety of other codes within the health, microeconomics, and “miscellaneous” headings in particular, as well as others. Rather than using the JEL codes, we therefore decided to take a more sensitive approach in EconLit, and instead searched for “health” in all fields, which would capture the word “health” in JEL codes, but also in journal title, keywords, article title, or abstract; we combined this with keyword searches for our definition of economic evaluation.

Text S2 Supplementary information on article classification

Health areas

We developed a classification of 25 health areas so as to allow comparability with the Global Burden of Disease (GBD) estimates (World Health Organization., 2014), to be implementable with an electronic key term search, and to permit meaningful analysis. The GBD uses four hierarchical levels to classify disease. At its highest level, it classifies diseases as “Communicable, maternal, perinatal and nutritional conditions”, “Non-communicable diseases” or “Injuries”, while at its lowest levels, it breaks these down into 154 more specific conditions. We did not maintain the GBD’s highest level classification because in some cases, it was not implementable (e.g. key term searches could not distinguish between communicable and non-communicable causes of respiratory diseases) and in other cases, we felt the distinction did not map coherently onto preventive and curative interventions (e.g. we separated “intentional injuries: self harm” from other injury categories and placed it in a single category with mental health issues).

A set of up to 49 search terms was developed for each of our health areas through an iterative process. We began by reviewing the names of sub-categories in the GBD and the categories and descriptions provided in the ICD-10 (World Health Organization., 2011) to develop an initial set of search terms. We then reviewed the titles and keywords of unclassified records in our database, and continued adding search terms until all records in our database which could be classified were classified according to at least one health area. Throughout the process, we reviewed samples of records within each health area, and reviewed in-depth the records identified by search terms we considered potentially ambiguous, before finalizing our search terms and disease classification.

Institutional and geographic affiliations of authors

We analyzed data on the institutional affiliation of all authors to develop a comprehensive picture of the institutions and countries contributing to health economic evaluations. We began by transferring the institutional affiliation data from wide to long form and implementing the country keyword searches previously developed. As affiliation data frequently did not name a country, unclassified affiliations were then iteratively reviewed and search terms for city names and non-geographic institution names (e.g. Harvard, Yale) were identified and linked to countries, taking care to avoid misclassifying search terms such as “York”, which could refer to the city (York) or county (Yorkshire) in the United Kingdom, to York University in Canada, or to the city or state of New York in the United States. In this way, nearly all articles for which affiliation data were available were classified as being produced by researchers in one or more specified countries. This data was further cross-checked against the data on countries studied and inconsistencies reviewed. The original articles were sought to resolve inconsistencies and to obtain institutional affiliation data for any articles remaining without data. Articles were then classified by the income group of the country or countries of the author affiliations and the countries producing the greatest volume of economic evaluations were ranked within each income group.

We further identified the top ten institutions within each income group by volume of economic evaluations produced. The affiliation data for top-ranked countries within each income group were carefully reviewed to develop sets of specific key terms for institutions. As in previous work (Wagstaff and Culyer, 2012, Rubin and Chang, 2003), schools, colleges and institutes were aggregated with the university to which they belonged, with the exception of the highly federal Universities of London, California, Texas, and other similar university systems, whose constituent members were analyzed separately. To the extent possible, hospitals and institutes were associated

with their parent institution, even when that institution was not explicitly named. Even though they are independently owned and managed, Harvard's 16 affiliated hospitals were aggregated with Harvard. Once an initial set of ten institutions were identified for each income group, only affiliations from countries which had produced more than the tenth-ranked institution for that income group were reviewed to identify institutions which could have produced more economic evaluations than the currently tenth-ranked institution. For example, the tenth-ranked UMIC institution, the *Instituto Mexicano del Seguro Social*, produced 7 economic evaluations, and so only affiliations from UMICs which had produced at least 7 economic evaluations were reviewed to identify individual institutions which could have produced at least this number. The searches for city names were then used to facilitate the identification of institutions.

In addition, search terms were developed for international and inter-governmental organizations, such as United Nations agencies and the World Bank, and for multi-national pharmaceutical companies, regardless of the country, if any, with which they were associated in their affiliation data. These were then aggregated into two groups, "international organizations" and "pharmaceutical industry", to permit consideration of their relative influence.

This process allowed a comprehensive assessment of the total volume of articles produced by each country and by income group, as well as a comprehensive assessment of top institutions, taking into account the many and unpredictable variations in their listing. Less thorough approaches would be likely to bias rankings towards institutions such as Yale, with its unique name which also appears in the name of all its constituent schools and hospital, and away from institutions with a wider variety of permutations, abbreviations and possibly ambiguous versions of its name, such as the University of York (Univ York, U York, but not York University), with Hull-York Hospital (Hull-York Hosp), which were not always listed with the university name in the affiliation data.

We considered a number of possible approaches for analysing articles with more than one institutional affiliation. Both Wagstaff and Culyer (2012) and Rubin and Chang (2003) were constrained by the EconLit database, which only provides data on the first three or four authors, whereas we obtained institutional affiliation data for all authors. We considered assigning a fractional value (and even weighted fractional values reflecting author order) to each institution based on the number of different authors or institutions represented on a given article (Aksnes et al., 2012, Hagen, 2013, Retzer and Jurasinski, 2009). However, we rejected such approaches for two reasons: first, we believe that the use of zero-sum metrics establishes a perverse incentive against collaboration between institutions and against the crediting of collaborators. We therefore assigned one point per institution per article, regardless of the number of institutions or authors on a given article. This has the disadvantage of weighting the analysis towards articles from multiple institutions, as these articles are counted multiple times.

Table S1 Searches in bibliographic databases

Database (Interface)	Search
<p>National Health Service Economic Evaluation Database (Centre for Reviews and Dissemination)</p> <p><i>Note: this database is still available, however, updating ceased in March 2015</i></p>	<p>NHS EED: tick box (DARE: blank, HTA: blank) Publication year: 2012 to 2014</p> <p>Export: "Full record" → produces a single RIS document with consecutively numbered records</p>
<p>Health Economic Evaluations Database (Wiley)</p> <p><i>Note: this database ceased to be available from the end of 2014.</i></p>	<p>Search 1: Identifies studies already reviewed and categorized by HEED Search type (from purple button on left): Compound Search Use pull-down menus to select: Journal Date >= 2012 AND Type of Econ eval 'EFFECTIVENESS' Or 'UTILITY' Or 'BENEFIT' AND Type of Article 'APPLIED' </p> <p>Search 2: Identifies additional studies not yet reviewed and categorized by HEED Search type (from purple button on left): Expert Search</p> <ol style="list-style-type: none"> 1. EE= 'EFFECTIVENESS' Or 'UTILITY' Or 'BENEFIT' AND TE= 'APPLIED' AND JD>= 2012 2. TI='Cost-effective*' OR 'Cost-Utility' OR 'Cost-benefit' OR 'Cost effective*' OR 'Cost Utility' OR 'Cost benefit' OR 'economic evaluation' AND (JD>= 2012) 3. AB='Cost-effectiveness' OR 'Cost-Utility' OR 'Cost-benefit' OR 'Cost effectiveness' OR 'Cost Utility' OR 'Cost benefit' OR 'economic evaluation' AND (JD>= 2012) 4. KW='Cost-effectiveness' OR 'Cost-Utility' OR 'Cost-benefit' OR 'Cost effectiveness' OR 'Cost Utility' OR 'Cost benefit' OR 'economic evaluation' AND (JD>= 2012) 5. AB='cost per death averted' or 'cost per death avoided' or 'cost per case averted' or 'cost per case avoided' or 'cost per infection' or 'cost per life' or 'cost per disability-adjusted' or 'cost per quality-adjusted' or 'cost per qaly' or 'cost per daly' 6. CS = LINE 1 OR LINE 2 OR LINE 3 OR LINE 5
<p>LILACS (Bireme/WHO/PAHO)</p>	<p>cost-effective or "cost effective" or cost-effectiveness or "cost effectiveness" or cost-utility or "cost utility" or cost-benefit or "cost benefit" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability adjusted" or "cost per quality adjusted" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per</p>

	daly" [Words] and 2012 or 2013 or 2014 [Country, year publication] and not study and protocol [Title words]
ADOLEC (Bireme/WHO/PAHO)	cost-effective or "cost effective" or cost-effectiveness or "cost effectiveness" or cost-utility or "cost utility" or cost-benefit or "cost benefit" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability adjusted" or "cost per quality adjusted" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly" [Words] and 2012 or 2013 or 2014 [Country, year publication] and not study and protocol [Title words]
Medline (including in-process) (Ovid SP)	1. ("2012" or "2013" or "2014").yr. 2. (cost-effectiveness or cost-utility or cost-benefit or "economic evaluation").ti,ab,kw. 3. cost-effective.ti. 4. ("cost-per-death-av*" or "cost-per-case-av*" or "cost-per-infection" or "cost-per-life" or "cost-per-disability-adjusted-life-year" or "cost-per-quality-adjusted-life-year" or "cost-per-qaly" or "cost-per-daly").ti,ab,kw. 5. 2 or 3 or 4 6. 1 and 5 7. limit 6 to (autobiography or bibliography or biography or case reports or classical article or comment or congresses or consensus development conference or consensus development conference, nih or editorial or festschrift or guideline or historical article or in vitro or interactive tutorial or interview or lectures or letter or news or newspaper article or patient education handout or practice guideline or published erratum or technical report or twin study or video-audio media or webcasts) 8. 6 not 7 9. limit 8 to animals 10. limit 9 to human 11. 9 not 10 12. 8 not 11 13. study protocol.ti. 14. 12 not 13
Embase (Ovid SP)	1. ("2012" or "2013" or "2014").yr. 2. (cost-effectiveness or cost-utility or cost-benefit or "economic evaluation").ti,ab,kw. 3. cost-effective.ti. 4. ("cost-per-death-av*" or "cost-per-case-av*" or "cost-per-infection" or "cost-per-life" or "cost-per-disability-adjusted-life-year" or "cost-per-quality-adjusted-life-year" or "cost-per-qaly" or "cost-per-daly").ti,ab,kw. 5. 2 or 3 or 4 6. 1 and 5 7. limit 6 to (book or book series or conference abstract or conference paper or conference proceeding or "conference review" or

	<p>editorial or erratum or letter or note or report)</p> <p>8. 6 not 7</p> <p>9. limit 8 to (animals or animal studies)</p> <p>10. limit 9 to humans</p> <p>11. 9 not 10</p> <p>12. 8 not 11</p> <p>13. study protocol.ti.</p> <p>14. 12 not 13</p>
EconLit (Ovid SP)	<p>1. ("2012" or "2013" or "2014").yr.</p> <p>2. health.af.</p> <p>3. (cost-effective* or cost-utility or cost-benefit or "economic evaluation").af.</p> <p>4. ("cost-per-death-av*" or "cost-per-case-av*" or "cost-per-infection" or "cost-per-life" or "cost-per-disability-adjusted-life-year" or "cost-per-quality-adjusted-life-year" or "cost-per-qaly" or "cost-per-daly").af.</p> <p>5. 3 or 4</p> <p>6. 1 and 2 and 5</p> <p>7. study protocol.ti.</p> <p>8. limit 6 to (books or book reviews or collective volume articles or dissertations)</p> <p>9. 6 not 8</p> <p>10. limit 9 to working papers</p> <p>11. 9 not 10</p>
PsycInfo(Ovid SP)	<p>1. ("2012" or "2013" or "2014").yr.</p> <p>2. (cost-effectiveness or cost-utility or cost-benefit or "economic evaluation").mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]</p> <p>3. cost-effective.ti.</p> <p>4. ("cost-per-death-av*" or "cost-per-case-av*" or "cost-per-infection" or "cost-per-life" or "cost-per-disability-adjusted-life-year" or "cost-per-quality-adjusted-life-year" or "cost-per-qaly" or "cost-per-daly").ti,ab,kw.</p> <p>5. 2 or 3 or 4</p> <p>6. 1 and 5</p> <p>7. limit 6 to ("0200 book" or "0240 authored book" or "0280 edited book" or "0300 encyclopedia" or "0400 dissertation abstract" or "column/opinion" or "comment/reply" or dissertation or editorial or encyclopedia entry or "erratum/correction" or letter or obituary)</p> <p>8. 6 not 7</p> <p>9. limit 8 to animal</p> <p>10. limit 9 to human</p> <p>11. 9 not 10</p> <p>12. 8 not 11</p> <p>13. study protocol.ti.</p> <p>14. 12 not 13</p>
Global Health (Ovid SP)	<p>1. ("2012" or "2013" or "2014").yr.</p> <p>2. (cost-effectiveness or cost-utility or cost-benefit or "economic evaluation").af.</p>

	<p>3. cost-effective.ti. 4. ("cost-per-death-av*" or "cost-per-case-av*" or "cost-per-infection" or "cost-per-life" or "cost-per-disability-adjusted-life-year" or "cost-per-quality-adjusted-life-year" or "cost-per-qaly" or "cost-per-daly").af. 5. 2 or 3 or 4 6. 1 and 5 7. limit 6 to (annual report or annual report section or book or book chapter or bulletin or conference or conference proceedings or conference paper or correspondence or editorial or patent or thesis) 8. 6 not 7 9. study protocol.ti. 10. 8 not 9</p>
Scopus (Scopus)	<p>MAIN SEARCH: ((((TITLE("cost-effective*" OR "cost-utility" OR "cost-benefit" OR "economic evaluation") AND SUBJAREA(mult OR agri OR bioc OR immu OR neur OR phar OR mult OR medi OR nurs OR vete OR dent OR heal OR mult OR arts OR busi OR deci OR econ OR psyc OR soci) AND PUBYEAR > 2011) OR (TITLE("cost per death" OR "cost per case" OR "cost per infection" OR "cost per life" OR "cost per disability-adjusted" OR "cost per quality-adjusted" OR "cost per qaly" OR "cost per daly") AND SUBJAREA(mult OR agri OR bioc OR immu OR neur OR phar OR mult OR medi OR nurs OR vete OR dent OR heal OR mult OR arts OR busi OR deci OR econ OR psyc OR soci) AND PUBYEAR > 2011) OR (ABS("cost-effectiveness" OR "cost-utility" OR "cost-benefit" OR "economic evaluation") AND SUBJAREA(mult OR agri OR bioc OR immu OR neur OR phar OR mult OR medi OR nurs OR vete OR dent OR heal OR mult OR arts OR busi OR deci OR econ OR psyc OR soci) AND PUBYEAR > 2011) OR (ABS("cost per death" OR "cost per case" OR "cost per infection" OR "cost per life" OR "cost per disability-adjusted" OR "cost per quality-adjusted" OR "cost per qaly" OR "cost per daly") AND SUBJAREA(mult OR agri OR bioc OR immu OR neur OR phar OR mult OR medi OR nurs OR vete OR dent OR heal OR mult OR arts OR busi OR deci OR econ OR psyc OR soci) AND PUBYEAR > 2011) OR (AUTHKEY("cost-effectiveness" OR "cost-utility" OR "cost-benefit" OR "economic evaluation") AND SUBJAREA(mult OR agri OR bioc OR immu OR neur OR phar OR mult OR medi OR nurs OR vete OR dent OR heal OR mult OR arts OR busi OR deci OR econ OR psyc OR soci) AND PUBYEAR > 2011)) AND (SUBJAREA(mult OR immu OR neur OR phar OR mult OR medi OR nurs OR dent OR heal OR deci OR econ OR psyc))) AND NOT (TITLE("study protocol")) AND NOT (DOCTYPE(bk OR ch OR bz OR cp OR cr OR ed OR er OR le OR no OR pr OR rp OR sh))</p> <p>BREAKING UP THE SEARCH: BY YEAR: 2014 – 1,216</p> <p>BY YEAR: 2013 – 4,039 Broke this one up further – by “cost-effectiveness” in title, abstract, and keywords (3,148) and not (891) BY YEAR: 2012 – 3,751</p>
Social Science Citation Index & Science Citation Index extended (Web of Science)	<p># 1 4,006,203 PY=(2012 or 2013 or 2014) # 2 5,706 TI=("cost-effective*" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly") # 3 13,274 TS=("cost-effectiveness" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost</p>

	<p>per daly")</p> <p># 4 1,091 TITLE: ("study protocol")</p> <p># 5 14,237 #3 OR #2</p> <p># 6 14,237 #5 AND #1</p> <p># 7 14,054 #6 not #4</p> <p># 8 2,900 (#7) AND DOCUMENT TYPES: (Abstract of Published Item OR Art Exhibit Review OR Bibliography OR Biographical-Item OR Book OR Book Chapter OR Book Review OR Chronology OR Correction OR Correction, Addition OR Dance Performance Review OR Database Review OR Discussion OR Editorial Material OR Excerpt OR Fiction, Creative Prose OR Film Review OR Hardware Review OR Item About an Individual OR Letter OR Meeting Abstract OR Meeting Summary OR Music Performance Review OR Music Score OR Music Score Review OR News Item OR Note OR Poetry OR Proceedings Paper OR Record Review OR Reprint OR Script OR Software Review OR TV Review, Radio Review OR TV Review, Radio Review, Video OR Theater Review)</p> <p># 9 11,154 #7 NOT #8</p> <p># 10 8,738 #9 AND WC=(PATHOLOGY OR BEHAVIORAL SCIENCES OR MEDICAL LABORATORY TECHNOLOGY OR BIOLOGY OR SOCIAL SCIENCES INTERDISCIPLINARY OR SOCIAL WORK OR HEALTH CARE SCIENCES SERVICES OR VIROLOGY OR MEDICINE GENERAL INTERNAL OR HEALTH POLICY SERVICES OR PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH SCI OR PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH OR MICROBIOLOGY OR PHARMACOLOGY PHARMACY OR RHEUMATOLOGY OR SOCIAL SCIENCES BM OR ECONOMICS OR NEUROSCIENCES OR PARASITOLOGY OR SURGERY OR ONCOLOGY OR REHABILITATION OR DENTISTRY ORAL SURGERY MEDICINE OR OPERATIONS RESEARCH MANAGEMENT SCIENCE OR FOOD SCIENCE TECHNOLOGY OR PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH SSCI OR CARDIAC CARDIOVASCULAR SYSTEMS OR CRITICAL CARE MEDICINE OR INFECTIOUS DISEASES OR NURSING OR IMMUNOLOGY OR OPHTHALMOLOGY OR ANESTHESIOLOGY OR CLINICAL NEUROLOGY OR EMERGENCY MEDICINE OR MULTIDISCIPLINARY SCIENCES OR NUTRITION DIETETICS OR TOXICOLOGY OR MEDICINE RESEARCH EXPERIMENTAL OR SUBSTANCE ABUSE OR PSYCHIATRY OR DERMATOLOGY OR GASTROENTEROLOGY HEPATOLOGY OR GENETICS HEREDITY OR TRANSPLANTATION OR OBSTETRICS GYNECOLOGY OR TROPICAL MEDICINE OR MEDICAL INFORMATICS OR GERIATRICS GERONTOLOGY OR OTORHINOLARYNGOLOGY OR PERIPHERAL VASCULAR DISEASE OR ORTHOPEDICS OR MANAGEMENT OR PEDIATRICS OR UROLOGY NEPHROLOGY OR PSYCHIATRY SCI OR RESPIRATORY SYSTEM OR ENDOCRINOLOGY METABOLISM OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR PRIMARY HEALTH CARE OR ENGINEERING ENVIRONMENTAL OR HEMATOLOGY) Indexes=SCI-EXPANDED, SSCI Timespan=2012-2014</p>
<p>Scielo (Web of Science)</p>	<p># 1 79,842 PY=(2012 or 2013 or 2014)</p> <p># 2 98 TI= ("cost-effective*" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p># 3 221 TS=("cost-effectiveness" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p># 4 227 #2 or #3</p> <p># 5 2 TI=("study protocol")</p> <p># 6 227 #4 not #5</p>

	<p># 7 175 #6 AND SU=(PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH OR LEGAL MEDICINE OR GENERAL INTERNAL MEDICINE OR PEDIATRICS OR CARDIOVASCULAR SYSTEM CARDIOLOGY OR DENTISTRY ORAL SURGERY MEDICINE OR ANESTHESIOLOGY OR DERMATOLOGY OR PHARMACOLOGY PHARMACY OR ENDOCRINOLOGY METABOLISM OR GASTROENTEROLOGY HEPATOLOGY OR ENVIRONMENTAL SCIENCES ECOLOGY OR HEALTH CARE SCIENCES SERVICES OR NURSING OR MEDICAL LABORATORY TECHNOLOGY OR NEUROSCIENCES NEUROLOGY OR OPERATIONS RESEARCH MANAGEMENT SCIENCE OR OTORHINOLARYNGOLOGY OR OBSTETRICS GYNECOLOGY OR OPHTHALMOLOGY OR PSYCHIATRY OR PATHOLOGY OR RESPIRATORY SYSTEM OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR TROPICAL MEDICINE OR SURGERY OR RHEUMATOLOGY OR UROLOGY NEPHROLOGY OR BIOTECHNOLOGY APPLIED MICROBIOLOGY OR INFECTIOUS DISEASES OR EConomics)</p> <p># 8 13 (#7) AND DOCUMENT TYPES: (Announcement OR Article-Commentary OR Case-Report OR Editorial OR Letter OR Rapid-Communication)</p> <p># 9 162 #7 not #8</p>
Biosis (Web of Science)	<p># 1 1,608,659 PY=(2012 or 2013 or 2014)</p> <p># 2 1,741 TI= ("cost-effective*" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p># 3 3,846 TS=("cost-effectiveness" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p># 4 4,109 #2 or #3</p> <p># 5 4,109 #1 and #4</p> <p># 6 35 TI= ("study protocol")</p> <p># 7 4,104 #5 not #6</p> <p># 8 777 (#7) AND DOCUMENT TYPES: (Annual Report OR Article Thesis Dissertation OR Book OR Book Chapter OR Book Review OR Company Profile OR Index OR Letter OR Main Cite OR Meeting OR Meeting Paper OR Obituary OR Patent OR Reprint OR Software OR Technical Report OR Thesis Dissertation)</p> <p># 9 3,327 #7 NOT #8</p> <p># 10 123 (#9) AND LITERATURE TYPE: (Annual Report OR Bibliography OR Biography OR Catalog OR Checklist OR Correction OR Dictionary OR Editorial OR Errata OR Identification Guide OR Manual OR Meeting Abstract OR Meeting Address OR Meeting Paper OR Meeting Poster OR Meeting Report OR Meeting Slide OR Meeting Summary OR Nomenclator OR Nomenclature OR Obituary OR Protocol OR Retraction OR Software Review OR Standard OR Taxonomic Key OR Taxonomic Review)</p> <p># 11 3,204 #9 not #10</p> <p># 12 2,643 #11 AND SU=(TOXICOLOGY OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR REPRODUCTIVE BIOLOGY OR HEMATOLOGY OR ANESTHESIOLOGY OR DEVELOPMENTAL BIOLOGY OR INFECTIOUS DISEASES OR ORTHOPEDICS OR PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH OR BEHAVIORAL SCIENCES OR EVOLUTIONARY BIOLOGY OR IMMUNOLOGY OR REHABILITATION OR ONCOLOGY OR NURSING OR PHYSIOLOGY OR CARDIOVASCULAR SYSTEM CARDIOLOGY OR NUTRITION DIETETICS OR DENTISTRY ORAL SURGERY MEDICINE OR NEUROSCIENCES NEUROLOGY OR ALLERGY OR SURGERY OR OPHTHALMOLOGY OR GENETICS HEREDITY OR OBSTETRICS GYNECOLOGY OR GASTROENTEROLOGY HEPATOLOGY OR DERMATOLOGY OR GENERAL INTERNAL MEDICINE OR</p>

	PARASITOLOGY OR HEALTH CARE SCIENCES SERVICES OR PSYCHIATRY OR PEDIATRICS OR GERIATRICS GERONTOLOGY OR ENDOCRINOLOGY METABOLISM OR RHEUMATOLOGY OR UROLOGY NEPHROLOGY OR RESPIRATORY SYSTEM OR OTORHINOLARYNGOLOGY)
Cinahl (EBSCO)	<p>S1. TI ("cost-effective*" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p>S2. AB ("cost-effectiveness" or "cost-benefit" or "cost-utility" or "economic evaluation" or "cost per death" or "cost per case" or "cost per infection" or "cost per life" or "cost per disability-adjusted" or "cost per quality-adjusted" or "cost per qaly" or "cost per daly")</p> <p>S3. S1 OR S2</p> <p>S4. TI ("study protocol")</p> <p>S5. S3 NOT S4</p> <p>S6. S5 and PT (Algorithm OR Anecdote OR Bibliography OR Biography OR Book OR Book Chapter OR Book Review OR Brief Item OR Care Plan OR Cartoon OR Case Study OR CEU OR Classification Term OR Code of Ethics OR Commentary OR Computer Program OR Consumer/Patient Teaching Materials OR Critical Path OR Directories OR Doctoral Dissertation OR Editorial OR Evidence-Based Care Sheet OR Exam Questions OR Forms OR Games OR Glossary OR Historical Material OR Interview OR Legal Case OR Letter OR Masters Thesis OR Nurse Practice Acts OR Obituary OR Pamphlet OR Pamphlet Chapter OR Periodical OR Poetry OR Practice Acts OR Proceedings OR Quick Lesson OR Research Instrument Validation OR Response OR Standards OR Statistics OR Teaching Materials OR Tracings OR Trade Publication OR Website)</p> <p>S7. S5 NOT S6</p>

Table S2 Mapping of 25 disease areas onto the Global Burden of Disease (GBD), International Classification of Disease (ICD-10), and search terms used

Health areas developed for this analysis are listed in alphabetical order in the lefthand column. We mapped each component of the Global Burden of Disease (World Health Organization., 2014) onto one health area. The mapping of the ICD-10 codes (World Health Organization., 2011) onto GBD codes is taken from the GBD appendices. Both GBD and ICD-10 definitions were used to inform the development of search terms for each health areas, which were applied as necessary to the titles, abstracts, and/or keywords in the final database of economic evaluations. Underscores (“_”) have been used here to show single spaces and question marks (“?”) reflect a single wildcard character. GBD: Global Burden of Disease. ICD-10: International Classification of Disease, version 10.

Health area	GBD	ICD-10	Search terms used to identify economic evaluations in this area
Anaemia	58: Iron-deficiency anaemia	D50, D64.9	Anaemia, Anemia, Anemic, Anaemic, Iron?deficien, _iron_, iron?supplement,
Cancer and other neoplasms	61: Malignant neoplasms, 79: Other neoplasms	C00-C97, D00-D48	Adenocarcinoma, Adenoma, Cancer, carcinoma, chemoradiotherapy, Chemotherapy, Glioblastoma, glioma, Neoplasm, Radiation_therapy, Radiotherapy, Melanoma, Lymphoma, myeloma, neoplastic, Leukaemia, microcalcification, neoplasia, myelodysplas, leukemia, metastatic, sarcoma, paclitaxel, Hematopoietic_Stem_Cell, autologous_stem_cell, cervical_screen, pap_smear, lynch_syndrome, tumour, tumor, breast_reconstruction, metastasis,
Cardiovascular diseases	110: Cardiovascular diseases	I00-I99	Angina, Angioplasty, Anticoagulants, aorta, aortic, Arrhythmia, Arrhythmic, arterial, artery, Atrial_Fibrillation, blood_pressure, blood_vessel, cardiac, cardio, carotid, Chest, cholesterol, Coronary, Deep_Vein_Thrombosis, embolism, heart, hypertensi, myocarditis, endocarditis, Myocardial, pulmonary, stroke, aneurysm, circulatory, warfarin, rheumatic, varicose_vein, venous*ulcer, vascular_disease,
Communicable childhood diseases	12: Childhood-cluster diseases	A33-A37, B05	chickenpox, Pertussis, Whooping_cough, Diphtheria, Measles, Tetanus, chicken_pox, rubella, immunization,
Congenital anomalies	140: Congenital anomalies	Q00-Q99	chromosom, cleft_lip, Dwarfism, cystic_fibrosis, Neural_tube_defect, Cleft_lip, Congenital, cleft_palate, Down_Syndrome, Down's_Syndrome, Down's_Syndrome, disabilities, disabled_children, neural_tube, congenital, Tetralogy_of_Fallot, spina_bifida, trisomy, polydactyl, teratogenic,
Diabetes	80: Diabetes mellitus	E10-E14	Diabetes, glucose, diabetic, hyperglycemi,
Diarrhoeal diseases	11: Diarrhoeal diseases	A00, A01, A03, A04, A06-A09	diarrhea, diarrhoea, rotavirus, cholera, typhoid, shigell, amoebiasis, amoeba, rotaviral, enteritis, norwalk, adenovir, escherichia_coli, campylobacter, clostridium_difficile, dysentery, giardia, cryptosporid, norovirus,
Digestive diseases	121: Digestive diseases	K20-K92	celiac, cholera, coeliac, crohn, Digestive, gallbladder, gallstones, gall?stones, gastric, gastro, helicobacter, ileostomy, colitis, constipation, Appendectomy, appendicitis, hernia_, bowel_, Intestinal_Polyps, Peptic_ulcer, diverticulitis, Cholecystolithiasis, pancreatitis, Cholecystitis, liver_, biliary, duodenal, vomit, ileus, hepatic, inguinal_hernia,

Health area	GBD	ICD-10	Search terms used to identify economic evaluations in this area
Endocrine, blood, and immune disorders (not diabetes or HIV)	81: Endocrine, blood, immune disorders	D55-D64 (minus D64.9), D65-D89, E03-E07, E15-E34, E65-E88	graves_disease, Hormones, hyperthyroidism, hypothyroidism, Goiter, Endocrin, Haemophilia, Adrenal, Allerg, Anaphylaxis, hemophilia, thyroid, hematological, neutropenia, Ischaemi, Ischemi, tonsil, thalassaemia, thalassemia, Thrombocytopenia, Fabry_disease, lysosomal, sickle_cell,
Genitourinary diseases, family planning & fertility	126: Genitourinary diseases	N00-N64, N75-N76, N80-N98	Gynecolog, Gynaecolog, contraception, contraceptive, embryo, fertility, fertilization, prostat, urologic, urinary, urethral_, genito, Kidney, Urolithiasis, nephrolog, Infertility, infertile, Nephrostomy, dialysis, pyelography, ovulation, urodynamic, ureter, hypogonadism, menstrual, nephropathy, microalbuminur, nephritis, bladder, varicocele,
HIV/AIDS	10: HIV/AIDS	B20-B24	Acquired_Immune_Deficiency_Syndrome, CD4, HAART, retroviral, hiv?aids, _hiv_, Human_Immunodeficiency_Virus, cd4_,
Malaria	22: Malaria	B50-B54, P37.3, P37.4	bed?net, malaria, bednet, artemesenin,
Malnutrition (including obesity and exercise)	54: Nutritional deficiencies (<i>except 58: Iron-deficiency anaemia</i>)	E00-E02, E40-E46, E50-E64, D51-D53	bariatric, Body_Mass_Index, Body_Weight, nutrition, Iodine, Vitamin_A, obesity, obese, physical_activity, exercise, pedometer, vegetable, dietary, biofortif, weight_management,
Maternal and neonatal conditions	42: Maternal conditions, 49: Neonatal conditions	O00-O99, P00-P96 excl P37.3, P37.4	low?birth?weight, Preterm, Birth, Neonat, Newborn, New-born, Amniocentesis, Birth, caesarean, cesarean, fetal, folic_acid, gestational, preeclampsia, eclampsia, pregnancy, prenatal, abortion, endometrial, obstetric, premature_infant, prematurity, vaginal_deliver,
Meningitis	17: Meningitis	A39, G00, G03	mening,
Mental health, cognition, and developmental and behavioural disorders (including self-harm and addictions)	82: Mental and behavioural disorders, 161: Self-harm	F04-F99, X41-X42, X45, X60-X84, Y870	ADHD, Agoraphobi, Antidepressant, Antidepressive, Anxiety, autism, Autistic, Schizophreni, Bipolar, _cognition, cognitive, Dementia, depression, substance_use_disorder, opiate_substitution, Eating_Disorder, _Emotions, mental_health, heroin, psychosis, psychotic, Unipolar, cocaine, addiction, Alcohol_use, Drug_use, developmental_disorder, behavioural_disorder, intellectual, behavio?r_disorder, clinically_isolated_syndrome, mentally_ill, Somatoform, depressive_disorder, Alcohol, Drug_Abuse, Drug_Addiction, Narcotic_Control, smoking, substance_abuse, Psychotherapy, mental_illness, Mental_Disorder, suicide, smoker, methadone, methadone, delirium, Nicotine, attention?deficit?hyperactivity?disorder, fear_of, behavior_disorder, cannabis,
Musculoskeletal diseases (including back and neck pain)	134: Musculoskeletal diseases	M00-M99	ankle, Bone, Carpal_Tunnel, Cartilage, elbow, fracture, Joint, knee, Ligament, arthritis, Lumbar, Discectomy, discectomy, musculoskeletal, Physical_Therapy_, osteoporo, fibromyalgia, Spinal, foot, shoulder, orthopedic, hip_replacement, lupus, Gout, low?back_pain,
Neurological	94: Neurological	F01-F03, G06 -G98	cerebral, nervous_system, neurological, Epilepsy, Alzheimer, Parkinson,

Health area	GBD	ICD-10	Search terms used to identify economic evaluations in this area
conditions (including headache and sleep disorders)	conditions		Epileptic, Multiple_sclerosis, Migraine, headache, sleep, Myasthenia_gravis, thymectomy, neurosurgery, neuropath, chronic_fatigue_syndrome, neuralgia,
Other infectious diseases (including encephalitis, hep A, B, C, and other parasitic and vector-borne diseases, and nematode infections)	18: Encephalitis, 19: Acute hepatitis B, 20: Acute hepatitis C, 21: Parasitic and vector diseases (<i>except</i> 22: <i>Malaria</i>), 33: Intestinal nematode infections, 37: Other infectious diseases	A83-A86, B94.1, G04, B16-B19 (minus B17.1, B18.2), B17.1, B18.2, A30, A71, A82, A90-A91, B55-B57, B65, B73, B74.0-B74.2, B76-B77, B79, A02, A05, A20-A28, A31, A32, A38, A40-A49, A65-A70, A74-A79, A80-A81, A87-A89, A92-A99, B00-B04, B06-B15, B25-B49, B58-B60, B64, B66-B72, B74.3-B74.9, B75, B78, B80-B89, B91-B99 (minus B94.1)	Encephaliti, Dengue, lyme_, deworming, hepatitis, hep_b, hep_c, Trypanosomiasis, Chagas, Schistosom, Leishmania, Lymphatic_filariasis, Onchocerciasis, Leprosy, leprous, Trachoma, Rabies, Ascariasis, Trichuriasis, Hookworm, hep_a, rubella, herpes_zoster, clostridium, Staphylococc, Bacteremia, hospital-acquired_infection, septic_shock, sepsis, Staphylococc, scabies, systemic_Candida_infection, cytomegalovirus, infection_control, hcv, Creutzfeldt?Jakob, _invasive_Candid, Helminth, roundworm, antimicrobial,
Respiratory diseases	38: Respiratory infections, 117: Respiratory diseases	J00-J22, H65-H68, P23, U04, J30-J98	Respiratory, Pulmonary, Lung, Bronchial, Trachea, Bronchitis, Airway, Asthma, H1N1, Influenza, bird_flu, avian_flu, interstit, Pleural_effusion, sore_throat, pneumonia, Respiration, pneumococcal, Haemophilus, breathing, pharyngitis, pneumonia,
Sense organ diseases	102: Sense organ diseases	H00-H61, H69-H93	Blindness, Cataract, cochlear, deafness, eye_, Glaucoma, hearing, Macular, rhino, Nasolacrimal, Refractive_error, vision_loss, hearing_loss, canaloplasty, Trabeculectomy, retina, Ophthalmolog, keratoplasty, otitis_media,
Skin and oral conditions	133: Skin diseases, 147: Oral conditions	L00-L98, K00-K14	debridement, Dental, Dentistry, Denture, gingival, Edentulism, Periodontal, peritonsillar, Dentition, Orthodontics, Dermatitis, Dermatolog, Eczema, skin_disease, tinea, psoriasis, dermatophytic, plantar_wart, skin?graft, soft_tissue, foam_dressing, pressure_ulcer,
Sexually Transmitted Infections (not HIV)	4: STDs excluding HIV	A50-A64, N70-N73	chlamydia, condoms, Gonorrhoea, Papillomavirus, Syphilis, Gonorrhoea, Trichomoniasis, Sexually_Transmitted, hpv,
Tuberculosis	3: Tuberculosis	A15-A19, B90	antitubercular, BCG, TB, tuberculos, bacille_Calmette-Guerin,
Wounds and injuries	151: Injuries (<i>except</i> 161: <i>Self-harm</i>)	V01-X59, Y871-Y89,	Injury, Injuries, Accident, Burn, violence, Poisoning, Drown, child_abuse, domestic_abuse, Domestic_Violence, trauma, fall_prevention, falls_prevention, venom, antidote, whiplash, _radon_, road_safety,

Table S3 Classification of journal types

The following is a comprehensive list of how we classified journals publishing at least one economic evaluation meeting our criteria.

Health economics, policy, services, and/or social science journals	
Administration and Policy in Mental Health and Mental Health Services Research	International Journal of Technology Assessment in Health Care
AIDS and behavior	Israel Journal of Health Policy Research
Alter	Journal d'Economie Medicale
American Health and Drug Benefits	Journal of Benefit-Cost Analysis
Applied Health Economics and Health Policy	Journal of health economics
Behaviour research and therapy	JOURNAL OF HEALTH SERVICES RESEARCH and POLICY
BMC HEALTH SERVICES RESEARCH	Journal of Medical Economics
BMC Medical Informatics and Decision Making	Journal of Mental Health Policy and Economics
British Journal of Health Care Management	Journal of Nursing Management
Bulletin of the World Health Organization	JOURNAL OF NUTRITION EDUCATION AND BEHAVIOR
Cancer Management and Research	Journal of Pain and Symptom Management
CHILDREN AND YOUTH SERVICES REVIEW	Journal of Pharmaceutical Health Services Research
ClinicoEconomics and Outcomes Research	Journal of Public Health Management and Practice
Cost Effectiveness and Resource Allocation	Medical Decision Making
Decision Sciences	Mediterranean Journal of Social Sciences
Epilepsy and Behavior	Ontario Health Technology Assessment Series
European Journal of Health Economics	Open Pharmacoeconomics and Health Economics Journal
European Review of Agricultural Economics	Pharmacoeconomics
Expert review of pharmacoeconomics and outcomes research	Pharmacoeconomics - Italian Research Articles
Gesundheitsökonomie und Qualitätsmanagement	Pharmacoeconomics - Spanish Research Articles
GMS health technology assessment	Population Health Management
Health Affairs	Psychological Services
Health Economics	Research in Social and Administrative Pharmacy
Health Economics Review	Revista medica del Instituto Mexicano del Seguro Social
Health Policy	Social Psychiatry and Psychiatric Epidemiology
Health Policy and Planning	South African Journal of Economic and Management Sciences
Health Policy and Technology	Substance abuse treatment, prevention, and policy
Health Services Research	Therapeutics and Clinical Risk Management
Health Technology Assessment	Value in Health
Healthcare Policy	Value in Health Regional Issues
International Journal of Behavioral Nutrition and Physical Activity	Vascular Health and Risk Management
International Journal of Drug Policy	
Other	
American Water Works Association Journal	Journal of Water and Health
Child Abuse and Neglect	MATHEMATICAL MODELLING OF NATURAL PHENOMENA
Disasters	PLoS One
Environment International	Traffic Injury Prevention
European Journal of Operational Research	
Journal of interpersonal violence	
Biomedical journals	
[Rinsho ketsueki] The Japanese journal of clinical hematology	Iowa Orthopaedic Journal
Academic Emergency Medicine	Iranian journal of neurology
Academic Pediatrics	Iranian Journal of Pediatrics
Acta Chirurgiae Orthopaedicae et Traumatologiae Cechoslovaca	Iranian Journal of Pharmaceutical Research
Acta Chirurgica Belgica	Iranian Journal of Radiology
	Iranian Red Crescent Medical Journal
	Irish Journal of Medical Science

Acta clinica Belgica	ISRN Gastroenterology
Acta gastroenterologica Latinoamericana	ISRN Obstetrics and Gynecology
Acta Medica Indonesiana	Italian Journal of Public Health
Acta neurochirurgica	JACC: Heart Failure
Acta Neurologica Scandinavica	JAMA
Acta Neuropsychiatrica	JAMA Ophthalmology
Acta Obstetricia et Gynecologica Scandinavica	JAMA Pediatrics
Acta Oncologica	Japanese Journal of Ophthalmology
Acta Ophthalmologica	Japanese Pharmacology and Therapeutics
Acta Oto-Laryngologica	Joint Commission Journal on Quality and Patient Safety
Acta Psychiatrica Scandinavica	Joint, Bone, Spine
Acta Radiologica	Jornal Portugues de Gastreenterologia
Actas dermo-sifiliograficas	Journal de Mycologie Medicale
Actas Urologicas Espanolas	Journal for Healthcare Quality
Acupuncture in Medicine	Journal of Acquired Immune Deficiency Syndromes
Addiction	Journal of Adolescent Health
Advances in Clinical and Experimental Medicine	Journal of Advanced Nursing
Advances in Skin and Wound Care	Journal of affective disorders
Advances in Therapy	Journal of Aging Research
Aesthetic Surgery Journal	Journal of Allergy and Clinical Immunology
African health sciences	Journal of Alternative and Complementary Medicine
African Journal of AIDS Research	Journal of Antivirals and Antiretrovirals
African Journal of Urology	Journal of Anxiety Disorders
Age and Ageing	Journal of Arthroplasty
AIDS	Journal of Arthropod-Borne Diseases
AIDS Care	Journal of Asthma
Alcohol and Alcoholism	Journal of bone and joint surgery
Alcoholism Clinical and Experimental Research	Journal of Bone and Mineral Research
Alimentary Pharmacology and Therapeutics	Journal of Brain Science
Allergologie	Journal of Bronchology and Interventional Pulmonology
Alzheimer's and Dementia	Journal of Burn Care and Research
American heart journal	Journal of Cancer
American Journal of Cardiology	Journal of Cancer Epidemiology
American Journal of Cardiovascular Drugs	Journal of Cardiothoracic Surgery
American Journal of Clinical Dermatology	Journal of Cardiovascular Computed Tomography
American Journal of Clinical Oncology	Journal of Cardiovascular Electrophysiology
American Journal of Emergency Medicine	Journal of Cardiovascular Magnetic Resonance
American Journal of Gastroenterology	Journal of Cardiovascular Medicine
American Journal of Geriatric Psychiatry	Journal of Cardiovascular Nursing
American Journal of Health-System Pharmacy	Journal of Cataract and Refractive Surgery
AMERICAN JOURNAL OF HYPERTENSION	Journal of Child and Adolescent Substance Abuse
American Journal of Industrial Medicine	Journal of Child and Family Studies
American Journal of Infection Control	Journal of Children's Orthopaedics
American Journal of Kidney Diseases	Journal of Clinical Apheresis
American Journal of Managed Care	Journal of Clinical Endocrinology and Metabolism
American Journal of Medical Genetics Part A	Journal of clinical gastroenterology
American Journal of Medicine	Journal of Clinical Hypertension
American Journal of Neuroradiology	Journal of clinical lipidology
American Journal of Obstetrics and Gynecology	JOURNAL OF CLINICAL MICROBIOLOGY
American journal of ophthalmology	Journal of clinical nursing
American Journal of Perinatology	Journal of Clinical Oncology
American Journal of Pharmacy Benefits	Journal of Clinical Periodontology
American Journal of Physical Medicine and Rehabilitation	Journal of Clinical Psychiatry
American Journal of Preventive Medicine	Journal of Clinical Sleep Medicine
American Journal of Public Health	Journal of Clinical Ultrasound
American Journal of Rhinology and Allergy	Journal of Clinical Virology

American Journal of Roentgenology	Journal of Cognitive and Behavioral Psychotherapies
American Journal of Speech-Language Pathology	Journal of community health
American journal of sports medicine	Journal of Comparative Effectiveness Research
American Journal of Surgery	JOURNAL OF CROHNS and COLITIS
AMERICAN JOURNAL OF THERAPEUTICS	Journal of Crohn's and Colitis
American Journal of Transplantation	Journal of Cystic Fibrosis
American Journal of Tropical Medicine and Hygiene	Journal of Dental Research
Anesthesiology	Journal of Dermatological Treatment
Angiology	Journal of Endourology
Annali di igiene : medicina preventiva e di comunita	Journal of Endovascular Therapy
Annals of Allergy, Asthma and Immunology	JOURNAL OF EPIDEMIOLOGY AND COMMUNITY HEALTH
Annals of cardiothoracic surgery	Journal of evaluation in clinical practice
Annals of Emergency Medicine	Journal of Food and Drug Analysis
Annals of General Psychiatry	Journal of Food Protection
Annals of Hematology	JOURNAL OF FOOT AND ANKLE RESEARCH
Annals of Internal Medicine	JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY
Annals of Nuclear Medicine	Journal of Gastrointestinal Cancer
Annals of Oncology	Journal of Gastrointestinal Surgery
Annals of Pharmacotherapy	Journal of General Internal Medicine
Annals of Plastic Surgery	Journal of Global Health
Annals of rehabilitation medicine	Journal of gynecologic oncology
Annals of Surgery	Journal of hand surgery
Annals of Surgical Oncology	journal of headache and pain
Annals of the Rheumatic Diseases	Journal of Hearing Science
Annals of the Royal College of Surgeons of England	Journal of Heart and Lung Transplantation
Annals of Thoracic Surgery	JOURNAL OF HEPATOLOGY
Annals of Vascular Surgery	Journal of Hospital Infection
Antimicrobial Agents and Chemotherapy	Journal of Hospital Medicine
Antiviral therapy	Journal of Hypertension
ANZ Journal of Surgery	Journal of Infection
Archives of Disease in Childhood	Journal of Infectious Diseases
Archives of Gynecology and Obstetrics	Journal of Interventional Cardiology
Archives of Internal Medicine	Journal of Korean Academy of Nursing Administration
Archives of Iranian Medicine	Journal of Korean Medical Science
Archives of Medical Research	Journal of long-term effects of medical implants
Archives of Medical Science	Journal of Lower Genital Tract Disease
Archives of Ophthalmology	Journal of Managed Care Medicine
Archives of Pathology and Laboratory Medicine	Journal of Managed Care Pharmacy
Archives of Pediatrics and Adolescent Medicine	journal of maternal-fetal and neonatal medicine
Archives of Surgery	Journal of Medical Colleges of PLA
ARCHIVOS DE BRONCONEUMOLOGIA	Journal of Medical Internet Research
Archivos de Neurociencias	Journal of Mental Health
Arquivos brasileiros de cardiologia	Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi
Arquivos Brasileiros de Oftalmologia	Journal of Nervous and Mental Disease
Arquivos de Gastroenterologia	Journal of Neurology
Arthritis Care and Research	Journal of Neurology Neurosurgery and Psychiatry
Arthroscopy	Journal of Neuro-Ophthalmology
ARYA Atherosclerosis	Journal of neurosurgery
Asian Biomedicine	Journal of neurosurgery. Spine
Asian Pacific Journal of Cancer Prevention	Journal of Neurosurgery: Spine
Asian Pacific Journal of Tropical Disease	JOURNAL OF NEUROSURGERY-SPINE
Asia-Pacific Journal of Clinical Oncology	Journal of Nuclear Medicine
Asia-Pacific Journal of Public Health	Journal of Nursing Scholarship
Atencion Farmaceutica	Journal of Nutrition
Atencion Primaria	JOURNAL OF OBSTETRICS AND GYNAECOLOGY
Australian and New Zealand Journal of Obstetrics and Gynaecology	

Australian and New Zealand journal of public health	Journal of Obstetrics and Gynaecology Canada
Australian Health Review	Journal of Occupational and Environmental Medicine
Australian Journal of Primary Health	Journal of Occupational Rehabilitation
Autism	Journal of Oncology Pharmacy Practice
Biochemia medica	Journal of Oncology Practice
BioDrugs	Journal of Orthopaedic Research
Biologics in Therapy	Journal of orthopaedic trauma
Biology of Blood and Marrow Transplantation	Journal of Otolaryngology - Head and Neck Surgery
BioMed research international	Journal of Pain and Palliative Care Pharmacotherapy
Biomedica	Journal of pediatric ophthalmology and strabismus
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK	Journal of Pediatrics
Biomedical Journal	Journal of Perinatology
Biosecurity and Bioterrorism	Journal of Periodontology
BIOSYSTEMS	Journal of Pharmacy Practice
BIOTECHNOLOGY and BIOTECHNOLOGICAL EQUIPMENT	Journal of Plastic, Reconstructive and Aesthetic Surgery
BJOG: An International Journal of Obstetrics and Gynaecology	Journal of Population Therapeutics and Clinical Pharmacology
BJU International	Journal of Practical Oncology
Blood purification	Journal of primary care and community health
BMC Anesthesiology	Journal of Psychiatric Research
BMC Cancer	Journal of Psychosomatic Research
BMC Cardiovascular Disorders	Journal of Public Health
BMC Clinical Pharmacology	JOURNAL OF PUBLIC HEALTH DENTISTRY
BMC Complementary and Alternative Medicine	Journal of Radiation Research
BMC family practice	Journal of Rehabilitation Medicine
BMC Gastroenterology	Journal of research in health sciences
BMC infectious diseases	Journal of Sexual Medicine
BMC Medical Research Methodology	Journal of Shoulder and Elbow Surgery
BMC Medicine	Journal of Spinal Disorders and Techniques
BMC Musculoskeletal Disorders	Journal of Stroke and Cerebrovascular Diseases
BMC Neurology	Journal of Studies on Alcohol and Drugs
BMC ophthalmology	Journal of Substance Abuse Treatment
BMC Pediatrics	Journal of Surgical Oncology
BMC pregnancy and childbirth	Journal of Surgical Research
BMC Psychiatry	Journal of Telemedicine and Telecare
BMC PUBLIC HEALTH	Journal of the Academy of Nutrition and Dietetics
BMC research notes	Journal of the American Academy of Audiology
BMJ	Journal of the American Academy of Dermatology
BMJ Open	Journal of the American College of Cardiology
BMJ quality and safety	Journal of the American College of Surgeons
BMJ supportive and palliative care	JOURNAL OF THE AMERICAN GERIATRICS SOCIETY
Boletin Medico del Hospital Infantil de Mexico	Journal of the American Medical Directors Association
Bone	Journal of the American Medical Informatics Association
bone and joint journal	Journal of the American Pharmacists Association
Brachytherapy	Journal of the American Society of Nephrology
Brazilian Journal of Infectious Diseases	Journal of the Balkan Union of Oncology
Brazilian Journal of Pharmaceutical Sciences	Journal of the European Academy of Dermatology and Venereology
Breast Cancer Research and Treatment	JOURNAL OF THE FORMOSAN MEDICAL ASSOCIATION
Breast Cancer: Targets and Therapy	Journal of the International Association of Providers of AIDS Care
Breast Care	Journal of the Medical Association of Thailand
Breastfeeding Medicine	Journal of the National Cancer Institute
British Journal of Anaesthesia	Journal of the National Comprehensive Cancer Network
British Journal of Cancer	Journal of the Neurological Sciences
British Journal of Dermatology	
British Journal of General Practice	

British Journal of Haematology	Journal of the Pakistan Medical Association
British Journal of Ophthalmology	Journal of the Royal Society Interface
British Journal of Psychiatry	Journal of the Royal Society of Medicine
British Journal of Sports Medicine	Journal of Theoretical Biology
British Journal of Surgery	Journal of Thoracic and Cardiovascular Surgery
Bulletin du Cancer	Journal of Thoracic Oncology
Cadernos de Saude Publica	Journal of Thrombosis and Haemostasis
CADTH technology overviews	Journal of thrombosis and thrombolysis
Canadian Journal of Cardiology	Journal of Traditional Chinese Medicine
Canadian Journal of Infectious Diseases and Medical Microbiology	Journal of Trauma and Acute Care Surgery
Canadian Journal of Ophthalmology	Journal of Urban Health
Canadian Journal of Surgery	Journal of Urology
Canadian Journal of Urology	Journal of vascular and interventional neurology
Canadian Journal on Aging	Journal of Vascular and Interventional Radiology
Canadian Medical Association Journal	Journal of Vascular Nursing
Canadian Urological Association Journal	Journal of Vascular Surgery
Cancer	JOURNAL OF VIRAL HEPATITIS
Cancer Causes and Control	Journal of Women's Health
Cancer Epidemiology Biomarkers and Prevention	Journal of wound care
Cancer Epidemiology, Biomarkers and Prevention	Kardiologia Polska
Cancer Prevention Research	KARDIOLOGIYA
Cardiogenetics	Kidney and Blood Pressure Research
CardioVascular and Interventional Radiology	Klimik Dergisi
Cardiovascular Drugs and Therapy	Klinische Monatsblätter für Augenheilkunde
Cardiovascular journal of Africa	Klinische P+ndiatrie
Cardiovascular Therapeutics	Knee Surgery, Sports Traumatology, Arthroscopy
Caries Research	Korean Journal of Thoracic and Cardiovascular Surgery
Catheterization and Cardiovascular Interventions	La Radiologia medica
Cerebrovascular Diseases	Lancet
Ceska Gynekologie	Lancet Global Health
Chest	Lancet Infectious Diseases
Child and Adolescent Psychiatry and Mental Health	Laryngoscope
Childhood Obesity	Leukemia and Lymphoma
Chinese Journal of Cancer Prevention and Treatment	Lin chuang er bi yan hou tou jing wai ke za zhi = Journal of clinical otorhinolaryngology, head, and neck surgery
Chinese Journal of Clinical Nutrition	Liver Transplantation
Chinese Journal of Clinical Oncology	Lung Cancer
Chinese Journal of Evidence-Based Medicine	Malaria Journal
Chinese Journal of Lung Cancer	Managed Care
Chinese Journal of New Drugs	Maternal and Child Health Care of China
Chinese Journal of Oncology	Mathematical Biosciences and Engineering
Chinese Journal of Schistosomiasis Control	Medical Care
Chinese Journal of Tissue Engineering Research	MEDICAL HYPOTHESES
Chinese Pharmaceutical Journal	MEDICAL JOURNAL OF AUSTRALIA
Chinese Preventive Medicine	Medical Journal of Chinese People's Liberation Army
Chongqing Medicine	Medical Journal of Malaysia
Ciencia and saude coletiva	Medicina Preventiva
Ciencia y Enfermeria	Medicine, Health Care and Philosophy
Circulation	Methodist DeBaKey cardiovascular journal
Circulation: Cardiovascular Quality and Outcomes	Midwifery
Circulation: Heart Failure	Modern Preventive Medicine
CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES	Molecular and Clinical Oncology
Cirurgia Espanola	Molecular Diagnosis and Therapy
Cirurgia y Cirujanos	MOVEMENT DISORDERS
Clinica e Investigacion en Ginecologia y Obstetricia	Multiple Sclerosis
Clinical and Experimental Nephrology	Mycoses

Clinical and experimental obstetrics and gynecology	Nan fang yi ke da xue xue bao = Journal of Southern Medical University
Clinical and Experimental Rheumatology	National Medical Journal of China
Clinical and translational allergy	Nephrology Dialysis Transplantation
Clinical Breast Cancer	Netherlands Journal of Medicine
Clinical Cardiology	Neurologia
Clinical drug investigation	Neurologia medico-chirurgica
Clinical Gastroenterology and Hepatology	Neurologist
Clinical Infectious Diseases	Neurology
Clinical Journal of Pain	Neuro-oncology
Clinical Journal of the American Society of Nephrology	Neurosurgery
Clinical Laboratory	Neurourology and Urodynamics
Clinical Medicine Insights: Therapeutics	New Biotechnology
Clinical Microbiology and Infection	NEW ENGLAND JOURNAL OF MEDICINE
Clinical Nephrology	Nicotine and Tobacco Research
Clinical Neurology and Neurosurgery	North Carolina medical journal
Clinical Neurophysiology	Nutrition and Diabetes
Clinical Nutrition	OBESITY
Clinical Oncology	Obesity Research and Clinical Practice
Clinical orthopaedics and related research	Obesity surgery
Clinical Otolaryngology	Obstetrics and Gynecology
Clinical pediatrics	Occupation and Health
Clinical Pharmacology and Therapeutics	Occupational Medicine
Clinical Rehabilitation	Ochsner journal
Clinical Research in Cardiology	Oncologist
CLINICAL RHEUMATOLOGY	Oncology
Clinical Therapeutics	Open Respiratory Medicine Journal
Clinical Transplantation	Open Rheumatology Journal
Clinical Trials	Ophthalmic Epidemiology
Clinics	Ophthalmologica
CNS Drugs	Ophthalmology
Cochrane Database of Systematic Reviews	Oral Oncology
Cocuk Enfeksiyon Dergisi	Orphanet journal of rare diseases
Colorectal Disease	Orthopedics
Community Dental Health	Osteoarthritis and Cartilage
Community Dentistry and Oral Epidemiology	Osteoporosis International
Community Oncology	Otolaryngology - Head and Neck Surgery
Contact Dermatitis	Pacing and Clinical Electrophysiology
Contraception	Paediatric Anaesthesia
Crisis	Paediatrics and Child Health
Critical Care Medicine	PAEDIATRICS AND INTERNATIONAL CHILD HEALTH
Critical Pathways in Cardiology	Pain Medicine
Current Alzheimer Research	Pain physician
Current Medical Research and Opinion	Pain Practice
Current Oncology	Pan African Medical Journal
Danish Medical Journal	PARASITES and VECTORS
DARU	Payesh Health Monitor
Das Gesundheitswesen	PEDIATRIC ALLERGY AND IMMUNOLOGY
Dementia and Geriatric Cognitive Disorders	Pediatric Cardiology
Dermatology	Pediatric Drugs
Dermatology and therapy	PEDIATRIC EMERGENCY CARE
Diabetes and Vascular Disease Research	Pediatric Infectious Disease Journal
Diabetes care	Pediatric obesity
Diabetes Research and Clinical Practice	Pediatric Transplantation
Diabetes Technology and Therapeutics	Pediatrics
Diabetes Therapy	Pediatrics International
Diabetes, Obesity and Metabolism	Perioperative Medicine
Diabetic Medicine	

Digestive and Liver Disease	Peritoneal Dialysis International
Digestive diseases and sciences	Personalized Medicine
Digestive Surgery	Pharmacogenetics and Genomics
Diseases of the Colon and Rectum	Pharmacogenomics
DMW Deutsche Medizinische Wochenschrift	Pharmacotherapy
Drug and Alcohol Dependence	Pharmazie
Drug Metabolism and Pharmacokinetics	Physis: Revista de Saude Coletiva
Drugs and Aging	Plastic and reconstructive surgery
Ear and hearing	PLOS MEDICINE
ecancermedalscience	PloS Neglected Tropical Diseases
Eksperimental'naia i klinicheskaia gastroenterologija =	PM and R
Experimental and clinical gastroenterology	Polski Merkuriusz Lekarski
EMERGENCIAS	Postepy Dermatologii i Alergologii
Emergency Medicine Journal	Postgraduate medicine
Emerging Infectious Diseases	Practical Pharmacy and Clinical Remedies
Endoscopy	Prenatal Diagnosis
Enfermedades Infecciosas y Microbiologia Clinica	Presse Medicale
Epidemiology and Infection	Preventing chronic disease
Epidemiology and Psychiatric Science	PREVENTION SCIENCE
Epilepsia	Preventive Medicine
Epilepsy Research	Primary care diabetes
Europace	Primary Care Respiratory Journal
European Annals of Otorhinolaryngology, Head and	Proceedings of the National Academy of Sciences of
Neck Diseases	the United States of America
European Child and Adolescent Psychiatry	Progresos de Obstetricia y Ginecologia
European Heart Journal	Progress in Modern Biomedicine
EUROPEAN HEART JOURNAL-CARDIOVASCULAR	Progress in Neuro-Psychopharmacology and Biological
IMAGING	Psychiatry
European Journal of Cancer	Prostate cancer and prostatic diseases
European Journal of Cardio-Thoracic Surgery	Psychiatrische Praxis
European Journal of Clinical Microbiology and	Psychological Medicine
Infectious Diseases	Psychologische Rundschau
European Journal of Clinical Nutrition	Psycho-Oncology
European Journal of Gastroenterology and Hepatology	Psychosomatics
European Journal of Haematology	Psychotherapy Research
European Journal of Heart Failure	Public health nutrition
European Journal of Hospital Pharmacy: Science and	QJM
Practice	QUALITY OF LIFE RESEARCH
European Journal of Human Genetics	Radiol. bras
European Journal of Integrative Medicine	Radiological Physics and Technology
European Journal of Neurology	Radiology
European Journal of Nuclear Medicine and Molecular	Rational Pharmacotherapy in Cardiology
Imaging	Rehabilitacion
EUROPEAN JOURNAL OF OBSTETRICS and	Renal Failure
GYNECOLOGY AND REPRODUCTIVE BIOLOGY	Reproductive biomedicine online
European Journal of Obstetrics Gynecology and	Research in Autism Spectrum Disorders
Reproductive Biology	Research Journal of Pharmacy and Technology
European Journal of Orthopaedic Surgery and	Respiratory medicine
Traumatology	Reumatologia
European Journal of Paediatric Neurology	Reumatologia Clinica
EUROPEAN JOURNAL OF PAIN	Revista Brasileira de Cardiologia Invasiva
European Journal of Preventive Cardiology	Revista Brasileira de Cirurgia Cardiovascular
European journal of public health	Revista Clinica de Medicina de Familia
European Journal of Radiology	Revista clinica espanola
European Journal of Vascular and Endovascular Surgery	Revista Colombiana de Cardiologia
European Neurology	Revista Colombiana de Obstetricia y Ginecologia
European Neuropsychopharmacology	REVISTA DA ASSOCIACAO MEDICA BRASILEIRA

European Radiology	Revista de Associacao Medica Brasileira
European Respiratory Journal	Revista de enfermeria (Barcelona, Spain)
European Review for Medical and Pharmacological Sciences	Revista de la Sociedad Espanola del Dolor
European Spine Journal	Revista de Salud Publica
European Urology	Revista de Saude Publica
Evaluation and Program Planning	Revista espanola de anestesiologia y reanimacion
Evidence Based Medicine	Revista Espanola de Cardiologia
Experimental and Therapeutic Medicine	Revista Espanola de Cirugia Ortopedica y Traumatologia
Expert Review of Anticancer Therapy	Revista Espanola de Quimioterapia
Familial Cancer	Revista Espanola de Salud Publica
Farmacia Hospitalaria	Revista Mexicana de Neurociencia
Female pelvic medicine and reconstructive surgery	Revista Panamericana de Salud Publica
Fertility and Sterility	Revista Portuguesa de Cardiologia
Fisioterapia	Revista Salud Publica (Bogota)
Food and Nutrition Bulletin	Revue de Medecine Interne
Foot and Ankle International	Revue de Neuropsychologie, Neurosciences Cognitives et Cliniques
Foot and Ankle Surgery	Revue des maladies respiratoires
Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin	Revue du Rhumatisme (Edition Francaise)
Forum of Clinical Oncology	Rheumatology
Frontiers in oncology	Rheumatology International
Gastroenterologia y Hepatologia	Risk Analysis
Gastroenterology	RUSSIAN JOURNAL OF CARDIOLOGY
Gastrointestinal Endoscopy	Salud Publica de Mexico
Gazzetta Medica Italiana	Salud(i)Ciencia
Genetics in Medicine	Sarcoma
Gerodontology	Saudi Medical Journal
Ginecologia y Obstetricia de Mexico	Scandinavian Cardiovascular Journal
GLOBAL HEALTH ACTION	SCANDINAVIAN JOURNAL OF INFECTIOUS DISEASES
Global Journal of Health Science	SCANDINAVIAN JOURNAL OF PUBLIC HEALTH
Global Public Health	Scandinavian Journal of Urology and Nephrology
Gut	Scandinavian Journal of Work Environment and Health
Gut and Liver	Schizophrenia Research
Gynecologic Endocrinology	Semergen
Gynecologic Oncology	Seminars in Spine Surgery
Haematologica	Sex Education
Haemophilia	Sexual Health
Hawaii Journal of Medicine and Public Health	Sexually transmitted diseases
Health	Sexually Transmitted Infections
Health Outcomes Research in Medicine	Singapore Medical Journal
Health promotion international	Sleep
Health Psychology	South African Journal of Obstetrics and Gynaecology
Heart	South African Medical Journal
Heart Lung and Circulation	Spine
Heart Rhythm	Spine Deformity
Hellenic Journal of Cardiology	Spine Journal
Hematological Oncology	SpringerPlus
Hematology/ Oncology and Stem Cell Therapy	STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT
Hepatitis Monthly	Stroke
Hepato-Gastroenterology	Supportive Care in Cancer
HEPATOLOGY	Surgery
Hepatology Research	Surgical Endoscopy
Hinyokika kiyo. Acta urologica Japonica	Surgical Endoscopy and Other Interventional Techniques
HIP International	Surgical Laparoscopy, Endoscopy and Percutaneous
HIV Clinical Trials	
HIV MEDICINE	

Hong Kong Medical Journal	Techniques
Hormone Research in Paediatrics	Swiss Medical Weekly
Hospital Practice	Technology in Cancer Research and Treatment
HPB	Telemedicine and e-Health
Human Reproduction	Theoretical biology and medical modelling
Human Vaccines	Therapeutic Advances in Psychopharmacology
Human Vaccines and Immunotherapeutics	Thorax
Imaging in Medicine	Thrombosis and Haemostasis
Indian Journal of Community Medicine	Thrombosis Journal
Indian Journal of Dermatology	Thrombosis Research
Indian Journal of Medical and Paediatric Oncology	Tijdschrift voor Geneeskunde
Indian Journal of Pharmacology	Tobacco Control
Indian journal of public health	Toxicon
Infant, Child and Adolescent Nutrition	Toxins
Infection	TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE
Infection Control and Hospital Epidemiology	Transfusion
Infectious Diseases in Obstetrics and Gynecology	Transfusion and Apheresis Science
Inflammatory Bowel Diseases	TRANSPLANT INTERNATIONAL
Influenza and other Respiratory Viruses	Transplantation
Injury	Transplantation Proceedings
Injury Prevention	Trials
Insights into Imaging	Tropical Medicine and International Health
Intensive care medicine	Tumor
Internal medicine journal	Turkderm Deri Hastaliklari ve Frengi Arsivi
International Brazilian Journal of Urology	TURKISH JOURNAL OF MEDICAL SCIENCES
International Forum of Allergy and Rhinology	Ultrasound in Obstetrics and Gynecology
International Health	University of Toronto Medical Journal
International Journal for Quality in Health Care	Vaccine
International journal of Alzheimer's disease	Vakcinologie
International Journal of Antimicrobial Agents	Vascular and endovascular surgery
International Journal of Cancer	Vector-Borne and Zoonotic Diseases
International Journal of Cardiology	Vestnik Dermatologii i Venerologii
International journal of chronic obstructive pulmonary disease	Vojnosanitetski pregled. Military-medical and pharmaceutical review
International journal of clinical pharmacy	Voprosy Onkologii
International journal of clinical practice	Vox sanguinis
International Journal of COPD	Wiener Klinische Wochenschrift
International Journal of Dermatology	Wiener Medizinische Wochenschrift
International Journal of Drug Development and Research	Work
International Journal of Eating Disorders	World Chinese Journal of Digestology
International Journal of Environmental Research and Public Health	World Journal of Emergency Surgery
International Journal of Geriatric Psychiatry	World Journal of Gastroenterology
International Journal of Group Psychotherapy	World journal of surgery
International Journal of Gynecological Cancer	World Journal of Surgical Oncology
International Journal of Gynecology and Obstetrics	World Neurosurgery
International Journal of Health Care Quality Assurance	Wounds
International journal of inflammation	ZDRAVSTVENO VARSTVO
International Journal of Medical Engineering and Informatics	Zeitschrift fur Evidenz Fortbildung und Qualitat im Gesundheitswesen
International Journal of Nursing Studies	Zeitschrift fur Gerontologie und Geriatrie
International Journal of Obesity	Zhongguo Shiyong Neike Zazhi / Chinese Journal of Practical Internal Medicine
International journal of pediatric otorhinolaryngology	Zhongguo Xinyao yu Linchuang Zazhi
International Journal of Pharmaceutical Sciences Review and Research	Zhongguo Zhong xi yi jie he za zhi Zhongguo Zhongxiyi jiehe zazhi = Chinese journal of integrated traditional and Western medicine / Zhongguo Zhong xi yi jie he
International Journal of Pharmacology	

International Journal of Pharmacy and Pharmaceutical Sciences	xue hui, Zhongguo Zhong yi yan jiu yuan zhu ban
International Journal of Preventive Medicine	Zhongguo Zhong yao za zhi = Zhongguo zhongyao zazhi = China journal of Chinese materia medica
International Journal of Radiation Oncology, Biology, Physics	Zhonghua lao dong wei sheng zhi ye bing za zhi = Zhonghua laodong weisheng zhiyebing zazhi = Chinese journal of industrial hygiene and occupational diseases
International Journal of Spine Surgery	
International Journal of Stroke	
International Journal of Tuberculosis and Lung Disease	Zhonghua liu xing bing xue za zhi = Zhonghua liuxingbingxue zazhi
International Journal of Urology	
International Journal of Vascular Medicine	Zhonghua wei chang wai ke za zhi = Chinese journal of gastrointestinal surgery
International Orthopaedics	
INTERNATIONAL UROGYNECOLOGY JOURNAL	Zhonghua yu fang yi xue za zhi [Chinese journal of preventive medicine]
International Wound Journal	
IOVS	Zhonghua zhong liu za zhi [Chinese journal of oncology]

Table S4 Search terms to classify cost-utility and cost-benefit analyses

The following search terms were used to classify articles within our final database of full health economic evaluations according to study type. Searches were conducted in titles and abstracts. Search terms could classify an article as a cost-utility analysis, cost-benefit analysis, both, or neither. Articles in our database which did not contain search terms for cost-utility analyses or cost-benefit analyses were categorized as cost-effectiveness analyses. Question marks (“?”) represent a single wildcard character or space.

Type of analysis	Search terms implemented in Excel database
Cost-utility analysis	Cost?utility [Additionally, all results of DALY and QALY searches also included]
CUA employing DALYs	DALY, Disability?adjusted?life?year
CUA employing QALYs	QALY, Quality?adjusted?life?year, EQ?5D, SF?36, SF?12, SF?6D
Cost-benefit analysis	Cost?benefit, benefit?cost, net?benefit, net?monetary?benefit

Table S5 Search findings by database – all articles and databases

All searches were conducted on 3 May 2014, except for the LILACS database, which was searched on 12 May 2014. The first database listed identified the largest number of economic evaluations. Remaining databases are listed in order of those which identified the most additional economic evaluations beyond those already identified by other databases higher on the list.

Database	Number of records identified by search	Number of economic evaluations meeting inclusion criteria	Sensitivity (% of total economic evaluations)	Specificity (% of search results classified as economic evaluations)	Additional economic evaluations <i>(Beyond those found in databases higher on this list)</i>	Cumulative %
Scopus	9006	2409	85%	27%	2409	85%
NHS EED	3634	2280	80%	63%	314	96%
Medline	7566	2254	79%	30%	65	98%
Global Health	2219	691	24%	31%	19	99%
Wiley HEED	2175	1707	60%	78%	13	99%
Web of Science	8738	1852	65%	21%	6	99%
Biosis	2643	834	29%	32%	5	100%
Embase	7558	2217	78%	29%	4	100%
Cinahl	2580	1097	39%	43%	4	100%
Scielo	162	53	2%	33%	3	100%
PsycInfo	808	183	6%	23%	1	100%
EconLit	186	42	1%	23%	1	100%
Lilacs	132	42	1%	32%	0	100%
TOTAL	22807	2844				

Table S6 Search findings by database – excluding NHS EED and Wiley HEED

All searches were conducted on 3 May 2014, except for the LILACS database, which was searched on 12 May 2014. The first database listed identified the largest number of economic evaluations. Remaining databases are listed in order of those which identified the most additional economic evaluations beyond those already identified by other databases higher on the list. As NHS EED ceased to update records from March 2015 and Wiley HEED ceased to be available from the end of 2014, they have been placed at the bottom of the list to permit examination of available databases.

Database	Number of records identified by search	Number of economic evaluations meeting inclusion criteria	Sensitivity (% of total economic evaluations)	Specificity (% of search results classified as economic evaluations)	Additional economic evaluations <i>(Beyond those found in databases higher on this list)</i>	Cumulative %
Scopus	9006	2409	85%	27%	2409	85%
Medline	7566	2254	79%	30%	156	90%
Global Health	2219	691	24%	31%	35	91%
Web of Science	8738	1852	65%	21%	22	92%
Embase	7558	2217	78%	29%	14	93%
Biosis	2643	834	29%	32%	7	92%
Cinahl	2580	1097	39%	43%	5	93%
Scielo	162	53	2%	33%	3	93%
EconLit	186	42	1%	23%	1	93%
PsycInfo	808	183	6%	23%	1	93%
Lilacs	132	42	1%	32%	0	93%
(NHS EED)	<i>(3634)</i>	<i>(2280)</i>	<i>(80%)</i>	<i>(63%)</i>	<i>(183)</i>	<i>(100%)</i>
(Wiley HEED)	<i>(2175)</i>	<i>(1707)</i>	<i>(60%)</i>	<i>(78%)</i>	<i>(8)</i>	<i>(100%)</i>
TOTAL	22807	2844				

Table S7 Search findings by database – only articles studying low- and middle-income countries, excluding NHS EED and Wiley HEED

All searches were conducted on 3 May 2014, except for the LILACS database, which was searched on 12 May 2014. The first database listed identified the largest number of economic evaluations. Remaining databases are listed in order of those which identified the most additional economic evaluations beyond those already identified by other databases higher on the list. L&MIC: Low- and middle-income country. As NHS EED ceased to update records from March 2015 and Wiley HEED ceased to be available from the end of 2014, they have been placed at the bottom of the list to permit examination of available databases.

Database	Number of records identified by search	Number of L&MIC economic evaluations meeting inclusion criteria	Sensitivity (% of total L&MIC economic evaluations)	Specificity (% of search results classified as L&MIC economic evaluations)	Additional L&MIC economic evaluations (Beyond those found in databases higher on this list)	Cumulative %
Scopus	9006	428	81%	5%	428	81%
Medline	7566	380	72%	5%	40	89%
Global Health	2219	287	54%	13%	23	93%
Biosis	2643	181	34%	7%	4	94%
Embase	7558	403	76%	5%	4	95%
Web of Science	8738	316	60%	4%	3	95%
Cinahl	2580	119	23%	5%	1	95%
Scielo	162	43	8%	27%	1	96%
Lilacs	132	39	7%	30%	0	96%
PsycInfo	808	21	4%	3%	0	96%
EconLit	186	6	1%	3%	0	96%
(NHS EED)	<i>(3634)</i>	<i>(378)</i>	<i>(72%)</i>	<i>(10%)</i>	<i>(21)</i>	<i>(100%)</i>
(Wiley HEED)	<i>(2175)</i>	<i>(294)</i>	<i>(56%)</i>	<i>(14%)</i>	<i>(2)</i>	<i>(100%)</i>
TOTAL	47407	527				

Table S8 Journal concentration by income group of countries studied

	LICs	Lower-MICs	Upper-MICs	HICs	All
Total articles	104	121	391	2350	2844
Avg articles per journal	2.4	2.0	1.7	2.9	2.9
Total journals	44	61	226	802	967
% articles in top 10 journals	62%	52%	27%	22%	21%
Total articles in top 10 journals	64	63	105	509	600
% articles in top 20 journals	77%	66%	38%	29%	29%
Total articles in top 20 journals	80	80	147	684	813

Table S9 Number and proportion of economic evaluations by type and income group

In this table, “cost-effectiveness analyses” refers to articles meeting our definition of a full economic evaluation but not containing any keywords to define it more specifically as a cost-utility or cost-benefit analysis. Articles can be classified as both cost-utility and cost-benefit analyses if they contain keywords for both. DALY: disability-adjusted life year, QALY: quality-adjusted life-year.

	Income group studied											
	LICs		Lower-MICs		Upper-MICs		HICs		Multiple income groups		Total	
Type of analysis	N	%	N	%	N	%	N	%	N	%	N	%
Cost-utility analysis (only)	51	49%	63	52%	172	44%	1391	59%	39	61.9%	1605	56%
<i>DALY</i>	44	42%	40	33%	49	13%	34	1%	28	44.4%	112	4%
<i>QALY</i>	7	7%	22	18%	120	31%	1332	57%	10	15.9%	1465	52%
Cost-benefit analysis (only)	5	5%	3	2%	13	3%	60	3%	1	1.6%	79	3%
Cost-benefit & cost-utility analysis	1	1.0%	3	2.5%	10	2.6%	57	2.4%	1	1.6%	68	2%
Cost-effectiveness analysis	47	45%	52	43%	196	50%	842	36%	22	34.9%	1092	38%
Total	104	100%	121	100%	391	100%	2350	100%	63	100.0%	2844	100%
	%	3.7%	4.3%		13.7%		82.6%		2.2%		100.0%	

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