

Como Fazer Pesquisa Bibliográfica com Eficácia?



ACTA MÉDICA
PORTUGUESA

Helena Donato

Importância da Pesquisa Bibliográfica

- Tenha a certeza que a sua revisão da literatura é abrangente e actual
- Uma bibliografia que não inclui artigos-chave na área ou que cita artigos desactualizados é motivo para rejeição do manuscrito
- Falhar na apresentação de uma lista de referências precisa e actualizada pode encorajar os revisores a serem mais críticos

Objectivo da Pesquisa Bibliográfica

- Pesquisa ideal
 - Incluir artigos relevantes
 - Excluir artigos irrelevantes

Optimizar a Pesquisa

- Conhecer
 - Como a literatura está organizada ou indexada
 - Como as Bases de Dados diferem
- Estratégia de Pesquisa

Gerir a Informação

2 estratégias de Pesquisa

- Passiva  *Just in case* - informação relevante encontra o médico interessado, em vez de ser o médico a procurá-la
- Activa  *Just in time* – pesquisa por respostas a questões clínicas
- Ambas estratégias podem ser informadas por fontes ***Push*** e ***Pull***

Gerir a Informação

Métodos Push e Pull

- **Pull** – procurar, encontrar a informação quando é necessária, o utilizador procura activamente a informação - puxa
- **Push** – alertam para nova informação, a informação alcança o utilizador - empurrada

Método Pull

- Motores de meta-pesquisa
 - SUMsearch <http://sumsearch.org>
 - TRIPdatabase <http://www.tripdatabase.com>

Método Pull

- Estrutura hierárquica dos 5 S:
 - Excelente estratégia para encontrar respostas clínicas
 - Representa uma pirâmide com níveis de organização da evidência

Pirâmide 5S de Haynes

Systems

Examples

Computerized decision support

Summaries

Evidence-based textbooks

Synopses

Evidence-based journal abstracts

Syntheses

Systematic reviews

Studies

Original journal articles

5S de Haynes

- **Systems** são programas inteligentes, computorizados, de apoio à tomada de decisão clínica. Resolvem questões clínicas
- **Summaries** são resumos de vários estudos sobre um tema e guias prática clínica
- **Synopses** resumos estruturados de artigos e revisões
- **Syntheses** a síntese da evidência ou revisões sistemáticas
- **Studies** estudos originais na base

Summaries: Clinical Evidence

ClinicalEvidence

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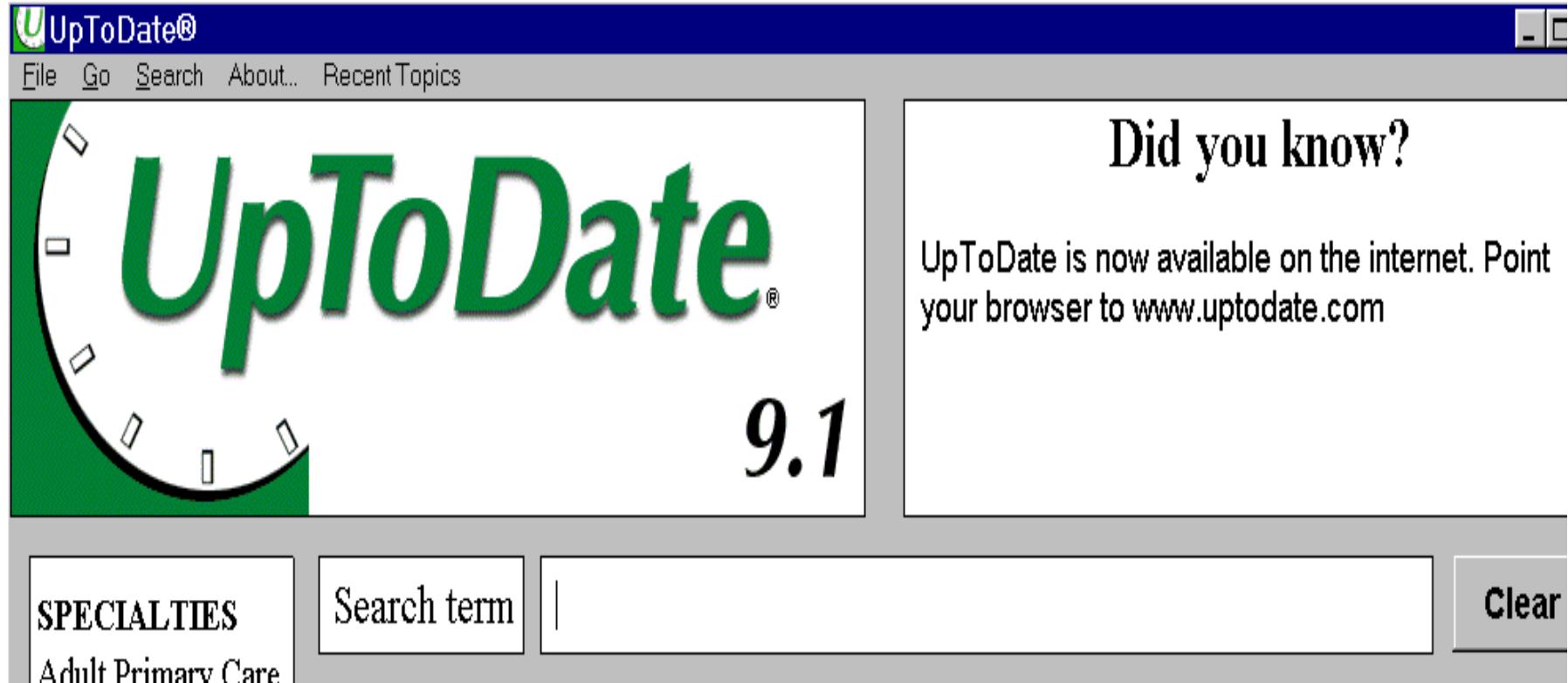
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- » Heart failure (updated)
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- » Cervical cancer (updated)
- » Brain metastases (updated)

<http://www.clinicalevidence.com>

Summaries: UpToDate



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glaucoma

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Glaucoma

- Updated 2012 Jun 30 10:45:00 AM: iStent Trabecular Micro-Bypass open-angle glaucoma and cataract (FDA Press Release 2012 Jun 25) [view](#)

Related Summaries:

- Physician Quality Reporting System Quality Measures
- ▶ General Information
- ▶ Causes and Risk Factors
- ▶ Complications and Associated Conditions
- ▶ History and Physical
- ▶ Diagnosis
- ▶ Treatment
- ▶ Prognosis
- ▶ Prevention and Screening
- ▶ Quality Improvement
- ▶ Guidelines and Resources
- ▶ Patient Information
- ▶ ICD-9/ICD-10 Codes
- ▶ References

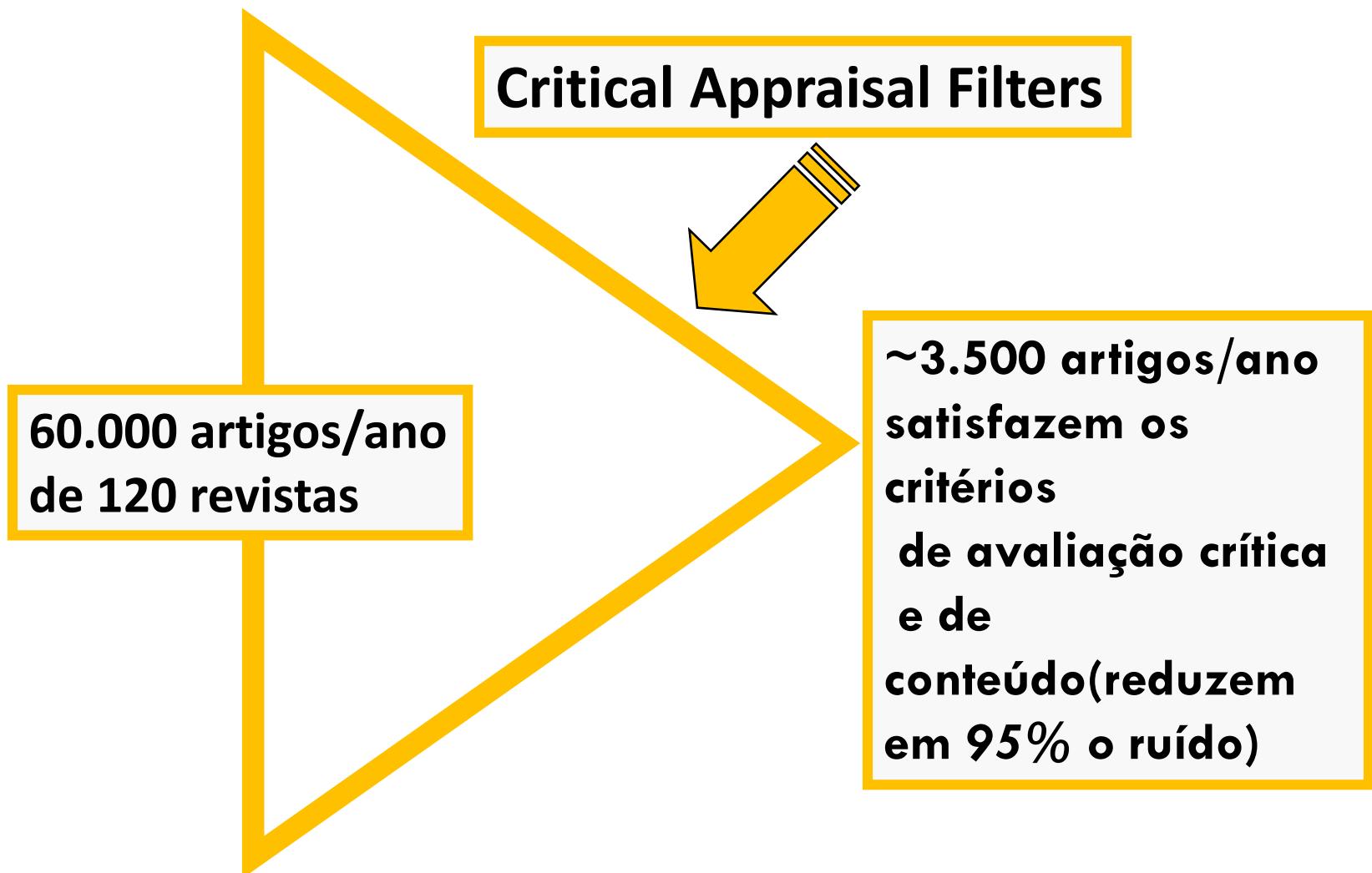
Summaries: Best Practice

Janeiro 2009



<http://bestpractice.bmj.com>

Synopses: Evidence-Based Journals



Synopses

EBM ONLINE

Evidence Based Medicine for Primary Care and Internal Medicine

A digest of the very best new research of direct relevance to medical practice

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Editor's choice FREE

Review: evidence from 2 low quality screening studies does not show a reduction in death from prostate cancer



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- **Losartan reduced cardiovascular morbidity and mortality more than atenolol in patients with diabetes and essential hypertension**
- **Review: Antibiotic prophylaxis reduces mortality and bacterial infection in cirrhosis and gastrointestinal bleeding**
- **Review: Magnetic resonance angiography is accurate for detecting high-grade carotid artery stenosis that is suitable for surgery**

Editorials and
Resource Corner

<http://www.acpj.org>

Syntheses: The Cochrane Library

Address <http://www.cochrane.org/reviews/> Go



cochrane collaboration > cochrane reviews

Cochrane Reviews: abstracts & full-text access

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A-Z index
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Syntheses: PubMed Clinical Queries



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Systematic Reviews



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Neurologic urinary incontinence.

[Neurourol Urodyn. 2010]

Gait apraxia in multiple sclerosis.

[Can J Neurol Sci. 2009]

Clinical guideline for male lower urinary tract symptoms.

[Int J Urol. 2009]

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Studies

- Quando todos os outros Ss falham temos os *Studies*
- *Studies* são os estudos originais

Método Pull

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- Destaca os artigos mais relevantes, baseado nas recomendações de mais de 1.000 investigadores de topo
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Método Pull

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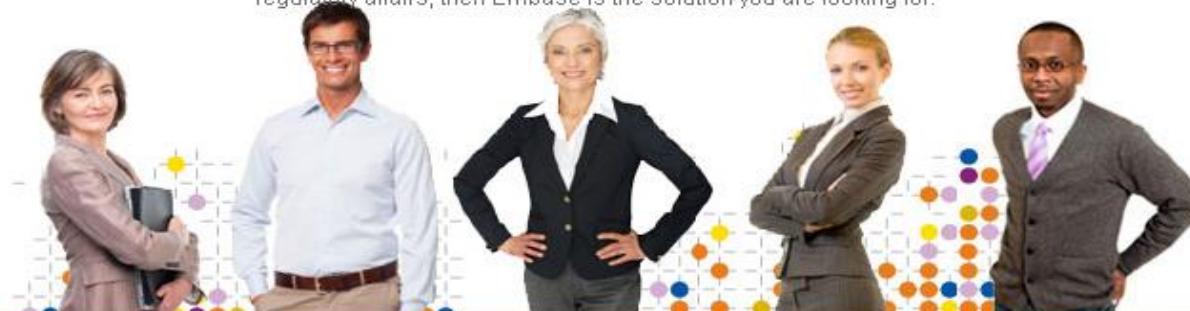


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If you are searching for answers to your questions or simply need reliable, peer-reviewed information on topics such as drug development or use, toxicology, drug safety / adverse drug reactions, clinical trials, evidence based medicine, medical devices, pharmacoeconomics, preclinical reports, basic biomedical science or regulatory affairs, then Embase is the solution you are looking for.



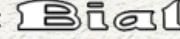
Método Pull

<http://www.indexrmp.com>

Index Online
Revistas Médicas Portuguesas

Revistas e Publicações Objectivos

Base de dados da literatura e das teses médicas exclusivamente nacionais

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Página optimizada para Internet
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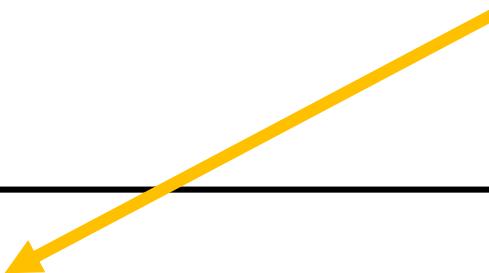


Método Pull



- Alguns títulos dos artigos estão entre parênteses rectos. Porquê?

[\[The portuguese pharmacovigilance system\].](#)



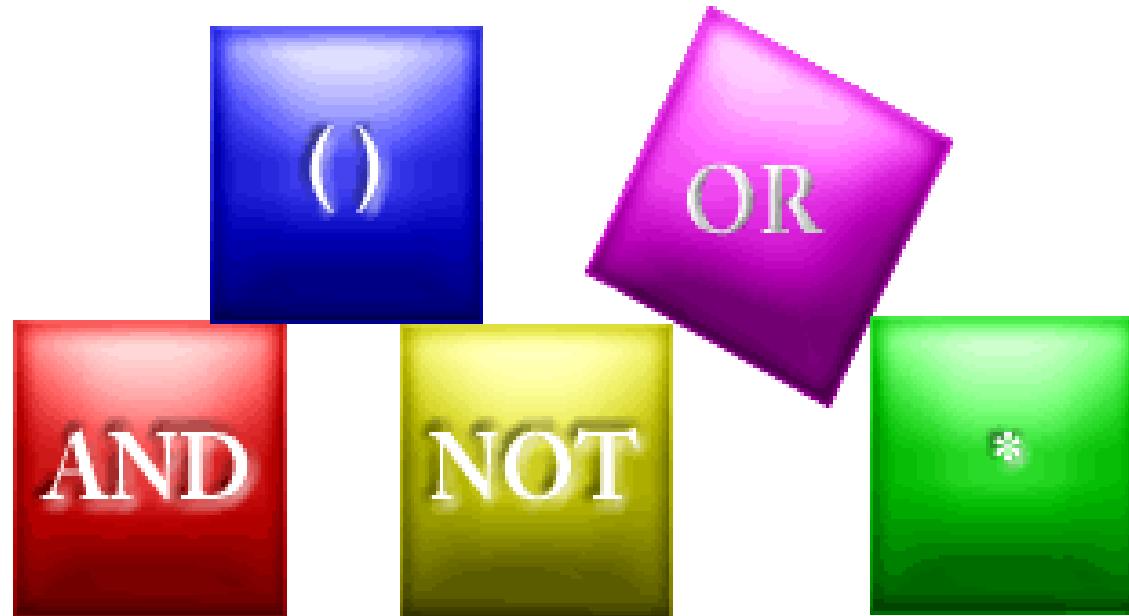
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Herdeiro MT, Ferreira M, Ribeiro-Vaz I, Junqueira Polónia J, Costa-Pereira A.

Acta Med Port. 2012 Jul;25(4):241-9. Epub 2012 Aug 31. Portuguese.

PMID: 23079252 [PubMed - in process] [Free Article](#)

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“kidney allograft”; “health planning”; “heart failure”;

Truncatura: Comorbidit*- Comorbidities
- Comorbidity

“common cold” AND (“vitamin c” OR zinc)

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- [\[Sister Mary Joseph's Nodule\]](#).
1. Esperto H, Canha C, Meira E.
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2. Lourenço CS, Basso SP, Dionisio MA.
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- [\[The diagnostic challenge of a rare pulmonary neoplasm\]](#).
3. Oliveira E, Manuel P, Alexandre J, Campos A, Simões Torres A, Girão F.
Acta Med Port. 2012 Jul;25(4):253-6. Epub 2012 Aug 31. Portuguese.
PMID: 23079254 [PubMed - in process] [Free Article](#)
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- [\[Bilateral facial palsy and acute myeloid leukemia: an unusual association\]](#).
4. Pereira MS, Faria F, Menezes Falcão L.
Acta Med Port. 2012 Jul;25(4):250-3. Epub 2012 Aug 31. Portuguese.
PMID: 23079253 [PubMed - in process] [Free Article](#)
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- [\[The portuguese pharmacovigilance system\]](#).
5. Herdeiro MT, Ferreira M, Ribeiro-Vaz I, Junqueira Polónia J, Costa-Pereira A.
Acta Med Port. 2012 Jul;25(4):241-9. Epub 2012 Aug 31. Portuguese.
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Vantagens no uso dos termos MeSH

- Representa um conceito e não necessita sinónimos
- Permite encontrar artigos relevantes sobre um tópico que pode não vir explicitamente mencionado no título ou resumo
- Aumenta a eficiência da pesquisa
- Permite a obtenção de resultados completos e fiáveis
- Permite focar a pesquisa eliminando referências irrelevantes
- Diminui o ruído, proporcionando maior precisão

Desvantagens no uso dos termos MeSH

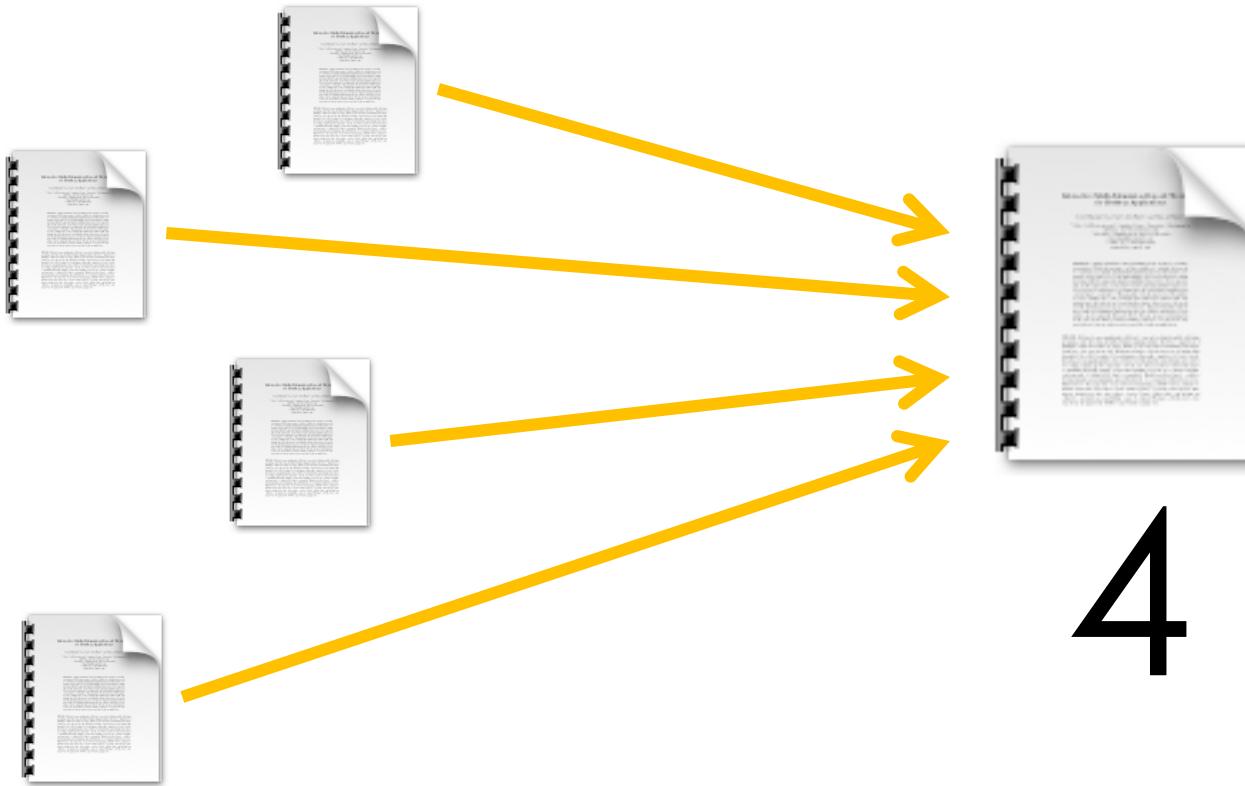
- Pode não haver termos que cubram todos os conceitos, especialmente novos conceitos
- Artigos com as etiquetas *as supplied by publisher* e *PubMed - in process* ainda não têm termos MeSH atribuídos

Web of Science: Science Citation Index



- Indexa mais de 23.000 revistas científicas, cobrindo mais de 256 áreas
- Science Citation Index (SCI) é uma secção do Web of Science
- SCI cobre + 8.000 revistas
- Afirmam que só 3.000 revistas de topo, recebem 92% do total de citações

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- 1. Title: **OXIDATIVE STRESS AND ITS EFFECTS ON INSULIN RESISTANCE AND PANCREATIC beta-C with Type 2 Diabetes Mellitus Complications**
Author(s): Lopes, J. Pedro; Oliveira, Silvia M.; Fortunato, J. Soares
Source: ACTA MEDICA PORTUGUESA Volume: 21 Issue: 3 Pages: 293-302 Published: MAY-JUN 2008
Times Cited: 9 (from Web of Science)

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 - 2. Title: **TRENDS OF INTERNET Use for Health Matters in Portugal: 2005-2007**
Author(s): Santana, Silvina
Source: ACTA MEDICA PORTUGUESA Volume: 22 Issue: 1 Pages: 5-14 Published: JAN-FEB 2009
Times Cited: 5 (from Web of Science)

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 - 3. Title: **Fluid intake and overweight risk in children**
Author(s): Bessa, Mariana; Valente, Hugo; Cordeiro, Tania; et al.
Source: ACTA MEDICA PORTUGUESA Volume: 21 Issue: 2 Pages: 161-169 Published: MAR-APR 2008
Times Cited: 4 (from Web of Science)

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 - 4. Title: **FOODS AND NUTRIENTS MODULATES THE RELEASE OF GASTROINTESTINAL HORMONE**
Author(s): Pimentel, Gustavo D.; Zemdegs, Juliane C. S.
Source: ACTA MEDICA PORTUGUESA Volume: 23 Issue: 5 Pages: 891-900 Published: SEP-OCT 2010
Times Cited: 3 (from Web of Science)

Journal Citation Reports

Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data <small>i</small>					Eigenfactor® Metrics <small>i</small>		
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
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3	ACTA MEDICA MEDITERR	0393-6384	5	0.031		0.000	19		0.00000	
4	ACTA MEDICA PORT	646-0758	208	0.091		0.009	115	7.1	0.00037	
5	AFR HEALTH SCI	1680-6905	330	0.492		0.000	64	5.0	0.00117	
6	AM FAM PHYSICIAN	0002-838X	3662	1.531	1.776			7.7	0.00632	0.492
7	AM J CHINESE MED	0192-415X	1706	1.979	1.670	0.229	96	6.2	0.00246	0.280
8	AM J MANAG CARE	1088-0224	2621	2.458	2.540	0.358	134	5.5	0.01122	1.139
9	AM J MED	0002-9343	22346	5.430	4.875	0.907	162	>10.0	0.03538	1.793
10	AM J MED SCI	0002-9629	3749	1.391	1.393	0.295	200	9.6	0.00729	0.436

Journal Citation Reports

1	<u>CA-CANCER J CLIN</u>	101.780
1	<u>CIRCULATION</u>	14.739
1	<u>J AM ACAD CHILD PSY</u>	6.444
1	<u>J INVEST DERMATOL</u>	6.314
1	<u>HUM REPROD UPDATE</u>	9.234

Todas têm o mais elevado factor de impacto na sua categoria

Método Push

- **Push** – alerta para nova informação
- Informação de alta qualidade é enviada para a sua caixa de correio de acordo com um critério pré-estabelecido, terá a evidência a encontrá-lo
- Recursos para se manter *up-to-date*

Método Push

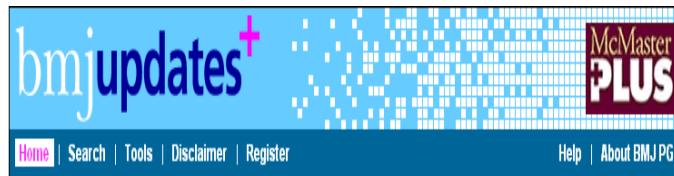


Medscape Best Evidence

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Conclusão

- A melhor prática clínica significa estar a par dos melhores trabalhos – métodos *PULL* e *PUSH*
- Para ultrapassar a torrente de informação e manter-se *up-to-date* – método *PUSH*
- O objectivo último é que a informação relevante o encontre, em vez de ser ao contrário
- Apresentámos um selecção de recursos actuais e de alta qualidade que esperamos sejam úteis

Acta Médica Portuguesa

<http://www.actamedicaportuguesa.com>

