The Western Pacific Region Index Medicus (WPRIM) : development and challenges (2005 – 2017)
WHO Headquarters and regions

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Washington

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WPRO
Manila
WHO Libraries & Information Networks for Knowledge

8 Networked Libraries
AFRO
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WPRO
IARC
Headquarters
Access to health information

For WHO Staff worldwide
Specialized Offices
Country Offices
Regional Offices
Headquarters

For Member States & General Public
International Organizations
Ministries of Health
Researchers
Universities
Hospitals
NGOs

WPRIM
About WPRIM

WPRIM is a project of the World Health Organization Western Pacific Regional Office (WHO WPRO) in collaboration with the institutions in its Member States.
Objectives of WPRIM

To index selected medical/health journals in Member States of the WHO Western Pacific Region.

To create a bibliographic database containing records linked to their full text.

To raise the level of journal publishing in Member States of the WHO Western Pacific Region through a peer-review system.

To build the capacity of participating health institutions.
Development of WPRIM

Informal consultations, workshops and meetings were organized from 2005 to 2016

<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Nature</th>
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<tbody>
<tr>
<td>2005</td>
<td>Malaysia</td>
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<tr>
<td>2006</td>
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</tr>
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<tr>
<td>2015</td>
<td>Philippines</td>
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<tr>
<td>2016</td>
<td>Thailand</td>
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<tr>
<td>2017</td>
<td>Lao PDR</td>
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2005-2010

- Informal consultation on the development of the Western Pacific Region Index Medicus. Manila, Philippines; 30-31 March 2006.
- Meeting on the development of the Western Pacific Region Index Medicus and the Global Health Library with China collaboration. Beijing, China; 11-12 December 2006.
- Second Informal Consultation on the Development of the Western Pacific Region Index Medicus. Tokyo, Japan; 17-18 May 2007
- Second meeting on the Western Pacific Region Index Medicus. Seoul, Korea; 21-23 November 2007
- Joint meeting of the Asia Pacific Association of Medical Journal Editors and the Western Pacific Region Index Medicus. Beijing, China; 18-21 November 2008.
- Second joint meeting of the Asia Pacific Association of Medical Journal Editors and the Western Pacific Region Index Medicus. Singapore. 4-5 November 2009.
2011-2017

• The First Congress of Asia Pacific Association of Medical Journal Editors (APA ME) in conjunction with the 2011 Guidelines International Network (GIN) Conference. At Korea University, Seoul, Korea 28-31 August 2011

• The Asia Pacific Association of Medical Journal Editors (APAME) Convention 2012, in Kuala Lumpur, Malaysia, 31 August - 3 September 2012

• Asia Pacific Association of Medical Journal Editors (APAME) Convention 2013 , Tokyo, Japan 2-4 August, 2013

• 2014 Meeting of the Western Pacific Region Index Medicus, Ulaanbaator, Mongolia. 15-17 August 2014

• 2015 Meeting of the Western Pacific Region Index Medicus Regional Journal Selection Committee, Manila, Philippines, 24 August 2015

• 2016 Meeting of the Western Pacific Region Index Medicus Regional Journal Selection Committee, Bangkok, Thailand, 26 August 2016

• 2017 Meeting of the Western Pacific Region Index Medicus Regional Journal Selection Committee, Vientiane, Lao PDR
Regional Workshop of National Focal Point Librarians on the GHL, Kuala Lumpur, 23-25 May 2005

The workshop discussed and started the identification of activities required to produce a regional index medicus. Participants were selected librarians and information specialist from member countries of WHO WPR.
2006
Informal Consultation on the Development of WPRIM, Manila, 30-31 March 2006

To identify the criteria and standards for the selection of journals to be included in WPRIM.
How are journals included and indexed in WPRIM

Journals are evaluated and approved by country National Journal Selection Committee (NJSC) based on a selection criteria

- The NJSC Committee is composed of editors, authors, peer reviewers, librarians and academicians who are involved in medical/scientific journal publication in their countries.
WPRIM journal selection criteria

1. Cover health and biomedical subjects;
2. Peer reviewed (internally or externally);
3. Have English abstracts;
4. Regularly published (at least 2 issues/year);
5. Instructions to authors are reviewed and accepted by the NJSC.
In August 2006, a poster presentation in collaboration with WPRO Library was submitted for display at the International Federation of Libraries Association (IFLA) conference in Seoul, Republic of Korea.
In 2007, the WPRIM Logo was created
The 1st WPRIM home page became accessible online at www.wprim.org

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Goal
The 1st issue of the WPRIM Newsletter was published in print and on-line
The Japanese National Committee for WPRIM (WPRIMJ) launched their website on March 2007 for purposes of WPRIM advocacy in Japan.

WPRIMJ
Western Pacific Region Index Medicus Japan

WHO (World Health Organization) 本部（Geneva）は、信頼できる（reliable）医学情報を、必要な人に届けることを目的として、2004年にGlobal Health Library (GHL)プロジェクトを開始しました。GHLの要素のひとつがGlobal Index Medicus (GIM)です。GHLは、米国National Library of Medicine (NLM)によるIndex Medicusとは異なり、国際保健の立場から構築される医学文献データベースです。当面、WHOの6つの地域（Region）が分担して作成し、将来、本部がそれらを統合する方針です。マニラにofficeのあるWHO 西太平洋地域事務局（Regional Office for the Western Pacific: WPRO）では、2005年からWestern Pacific Region Index Medicus (WPRIM)の作成準備に入っており、日本からの貢献も同年から始まりました。日本側では何度かの準備会議の後、2006年11月に、WPRIM国内委員会（Japanese National Committee for WPRIM，略称WPRIMJ）が設立され、2006年12月、北京でのWPRIM会議に参加するなど、様々な活動を始めています。本websiteは、GIM、WPRIM、WPRIMJの活動を紹介し、日本における啓発・教育を目的として開設されたもので
WPRIM database

• In 2006, a server for the WPRIM database was provided in WPRO where a test site was installed to initially input data

• In 2007, WHO WPRO agreed to host WPRIM in its server

• A customized PubMed software from Korean Association of Medical Journal Editors (KAMJE) was installed in the WHO/WPRO server for test and adapted for the WPRIM database

• A staff was hired to manage the contribution to WPRIM database
Challenges

- Countries have different record formats and different systems for their index medicus
- A conversion procedure to make the data compatible for uploading in the WPRIM system database was needed
- Some country data are non-compliant to certain required descriptors (example, keywords, MeSH descriptors) and affected data conversion and uploading.
On May 7, 2010, a new WPRIM database and platform was developed and launched in Beijing, China.
Platform

The WPRIM platform was developed by the Institute of Medical Information Chinese Academy of Medical Sciences (IMICAMS), a WHO Collaborating Center in Beijing, China.

The database platform was developed using SinoMed software, a product of IMICAMS. It is customized but not free and not open source.
IMICAMS came up with a solution for the data collection process

- Website Robot crawl
- Standard XML file
- Convert other structured format

WPRIM database
And the data uploading process
In 2012, the WPRIM Candidate Journal Selection System (WPRIM CJSS) was created for the purpose of evaluating journals online for inclusion to WPRIM.
The Data Creation and Management System (DCMS) was also created for the online updating of journal records.
# LIST BY JOURNAL TITLE

*Using initial navigation to find the journals which you want to edit, or click Add Journals button to create a new journal.*

*For on-line manually inputting, you must Add issue firstly, then Add Articles which have been published in that issue.*

*For importing XML document, the articles' journal information, volume and issue can be created by the system automatically.*

Total: 703 Journals

<table>
<thead>
<tr>
<th>#</th>
<th>Journal Title</th>
<th>Total Volume</th>
<th>Total Article</th>
<th>Edit</th>
<th>Rename</th>
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<td>1</td>
<td>Cancer Research and Treatment</td>
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<td>890</td>
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<td>2</td>
<td>Journal of Asthma, Allergy and Clinical Immunology</td>
<td>65</td>
<td>831</td>
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<tr>
<td>3</td>
<td>Journal of Breast Cancer</td>
<td>49</td>
<td>814</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>Journal of Korean Burn Society</td>
<td>13</td>
<td>127</td>
<td></td>
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</tr>
<tr>
<td>5</td>
<td>Journal of Korean Epilepsy Society</td>
<td>22</td>
<td>233</td>
<td></td>
<td></td>
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<tr>
<td>6</td>
<td>Journal of Korean Foot and Ankle Society</td>
<td>34</td>
<td>490</td>
<td></td>
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<td>7</td>
<td>Journal of Korean Geriatric Psychiatry</td>
<td>36</td>
<td>312</td>
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<tr>
<td>8</td>
<td>Journal of Rhinology</td>
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<tr>
<td>9</td>
<td>Journal of Rhinology</td>
<td>11</td>
<td>151</td>
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<td>10</td>
<td>Journal of the Korean Association of Maxillofacial Plastic and Reconstructive Surgeons</td>
<td>100</td>
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<td>11</td>
<td>Journal of the Korean Continence Society</td>
<td>19</td>
<td>210</td>
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<tr>
<td>12</td>
<td>Journal of the Korean Diabetes Association</td>
<td>73</td>
<td>755</td>
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<tr>
<td>13</td>
<td>Journal of the Korean Fracture Society</td>
<td>83</td>
<td>1351</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DCMS gives access to the journal information page
Updated WPRIM interface (2017)
WPRIM CJSS and DCMS integration

The WPRIM Candidate Journal Selection System (CJSS) and the WPRIM Data Creation and Management System (DCMS) are now integrated and linked.

• one username and one password assigned to country focal person, representative
Evolution of the WPRIM Platform and Database

The Western Pacific Region Index Medicus (WPRIM) is a project of the WHO Western Pacific Regional Office in collaboration with several institutions in its Member States. This is the Region’s contribution to the Global Health Library (GHL) initiative which aims to extend to all the benefits of the knowledge that is essential to the fullest attainment of health. WPRIM will be deployed and hosted along with the index medicus of other WHO Regions, at the Global Index Medicus portal under the GHL platform, where searches can be conducted individually or simultaneously through a federated search engine.

Goal

The creation of an online index of medical and health journals published in Member States of the WHO Western Pacific Region which can be accessed on the Internet thus ensuring global accessibility of medical and health research done in the Region.

Objectives

To index selected medical journals in Member States of the WHO Western Pacific Region.

To create a bibliographic database containing records linked to their full text.

To raise the level of journal publishing in Member States of the WHO Western Pacific Region through a peer-review mechanism.

To build the capacity of participating health institutions.

Note

All journals must be approved by the Regional Journal Selection Committee before inclusion of any of their articles or abstracts in the WPRIM database.
Capacity Building - In 2011, WPRO and IMICAMS organized database training and enhancement for WPRIM country data contributors.
Publication of the 1st WPRIM Manual

Western Pacific Region Index Medicus
User and Data Management Manual
A follow up training was organized in 2013
Results

• The sharing of technical expertise among contributing countries
• Countries such as Japan, Malaysia, Philippines shared their data xml generator/converter to contributing countries in need.
• Plan activities to support increase of data contribution to WPRIM database.
• Publication of the 2nd edition WPRIM Manual
In 2015, the 3rd training was organized.
Progress

• Total bibliographic entries - **671,839** (as of 2 August 2017)
• 64,595 articles were uploaded *(from 1 August 2016 – 2 August 2017)*
• Contributing countries – **13**
• Total Journals indexed in WPRIM – 625 + 19 = **644**
• WHO WPRO managed journal (WPSAR) - **1**
<table>
<thead>
<tr>
<th>Country</th>
<th>Journals</th>
<th>Articles</th>
<th>% of Full text (No of Entries)</th>
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</thead>
<tbody>
<tr>
<td>Brunei Darussalam</td>
<td>1</td>
<td>196</td>
<td>98% (192)</td>
</tr>
<tr>
<td>Cambodia</td>
<td>1</td>
<td>9</td>
<td>100% (9)</td>
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<tr>
<td>China</td>
<td>288</td>
<td>407 129</td>
<td>31.5% (128 102)</td>
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<tr>
<td>Fiji</td>
<td>1</td>
<td>67</td>
<td>12% (8)</td>
</tr>
<tr>
<td>Japan</td>
<td>20</td>
<td>20 022</td>
<td>99.2% (19 865)</td>
</tr>
<tr>
<td>Lao PDR</td>
<td>1</td>
<td>15</td>
<td>53.3% (8)</td>
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<tr>
<td>Malaysia</td>
<td>22</td>
<td>11 084</td>
<td>97.7% (10 833)</td>
</tr>
<tr>
<td>Mongolia</td>
<td>16</td>
<td>831</td>
<td>91.5% (760)</td>
</tr>
<tr>
<td>Papua New Guinea</td>
<td>2</td>
<td>1 648</td>
<td>92.6% (1 526)</td>
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<tr>
<td>Philippines</td>
<td>19</td>
<td>3 169</td>
<td>48.7% (1 544)</td>
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<td>Republic of Korea</td>
<td>235</td>
<td>208 335</td>
<td>73.2% (152 487)</td>
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<tr>
<td>Singapore</td>
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<td>WPRO</td>
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<td>100% (246)</td>
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</tbody>
</table>
Unique contribution of WPRIM

- Free, public, online access to medical and health journal articles published in WPR countries
- Promotes global visibility of researches done in the Region
- 97% of journals approved for WPRIM are already indexed and accessible in the database
- 37% of WPRIM journals are also indexed in PubMed/Medline
- 63% of the journals published in the member countries of WHO WPR are only available for access through WPRIM
WPRIM and the GLOBAL INDEX MEDICUS Concept

AFRO  AMRO  EMRO  EURO  SEARO  WPRO

AIM  VHL  IMEMR  IMSEAR  WPRIM

FEDERATED – MULTILINGUAL SEARCH
WPRIM contribution to the Global Index Medicus (GIM)

• As of August 2, 2017, there are 671,839 articles in WPRIM database that were successfully submitted for uploading to GIM

• GIM is accessible at
  www.globalhealthlibrary.net
How do we sustain WPRIM

• Communication
• Collaboration
• Commitment
• Conformability to changes
Acknowledgements

- Institute of Medical Information Chinese Academy of Medical Sciences (IMI CAMS)
- Asia Pacific Association of Medical Journal Editors (APAME)
- Association of Editors (KAMJE, JAMJE, AMMJE, MAMJE, PAMJE, SAMJE, ThAMJE)
- Chairs and Members of WPRIM countries National Journal Selection Committees (NJSC)
- Librarians, IT and Focal persons of institutions of WPRIM contributing countries
- Korea Center for Disease Control and Prevention (KCDC)
- Rockefeller Foundation
- WHO WPRO Library team
Thank You

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