

Bibliographic Information Service of Health Sciences in Japan

M. IKUSAKI, M. MATSUDA, K. MISAWA, and A. NOZOE

NPO Japan Medical Abstracts Society (JAMAS)

Today's topics

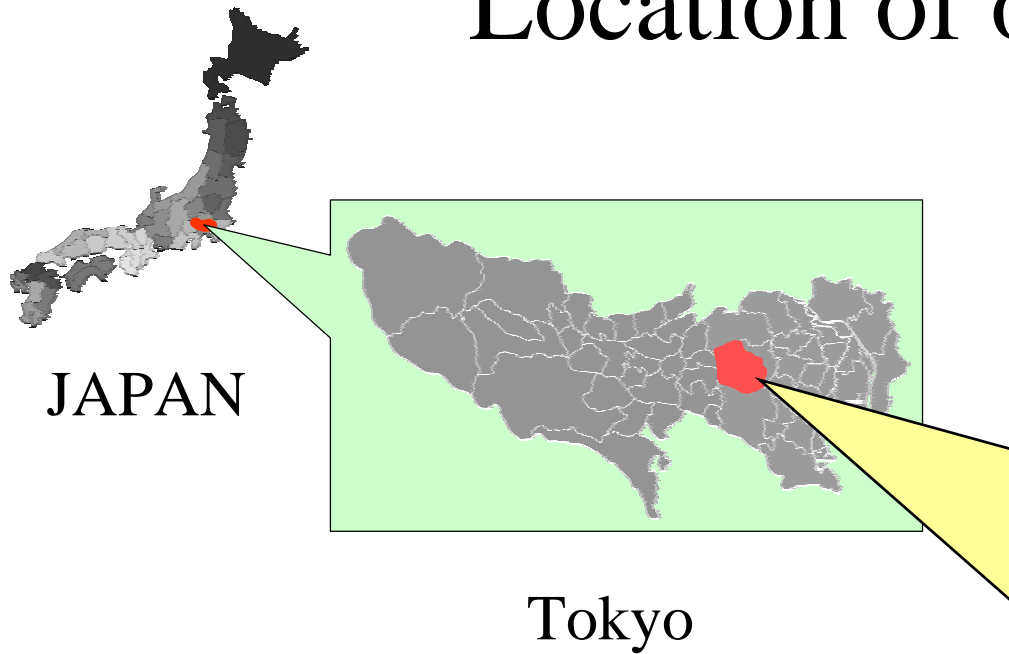
- Overview of our organization
- Creation & features of the database
- Utilization of our web-based service.

I. About Us

What's JAMAS?

- Name of organization:
NPO Japan Medical Abstracts Society (JAMAS)
“Igaku Chuo Zasshi Kanko-kai” in Japanese
- The year of establishment: 1903
- President: Tsuneki SHINOHARA (M.D., PhD)
- Business:
 - **Bibliographic information retrieval service, “Ichushi-Web”**
 - Document delivery service of duplicated articles
 - Research & development
 - of thesaurus for Medical and Health related terms
 - Involvement in research projects
 - regarding dissemination of medical information

Location of our office



The Office in Suginami City

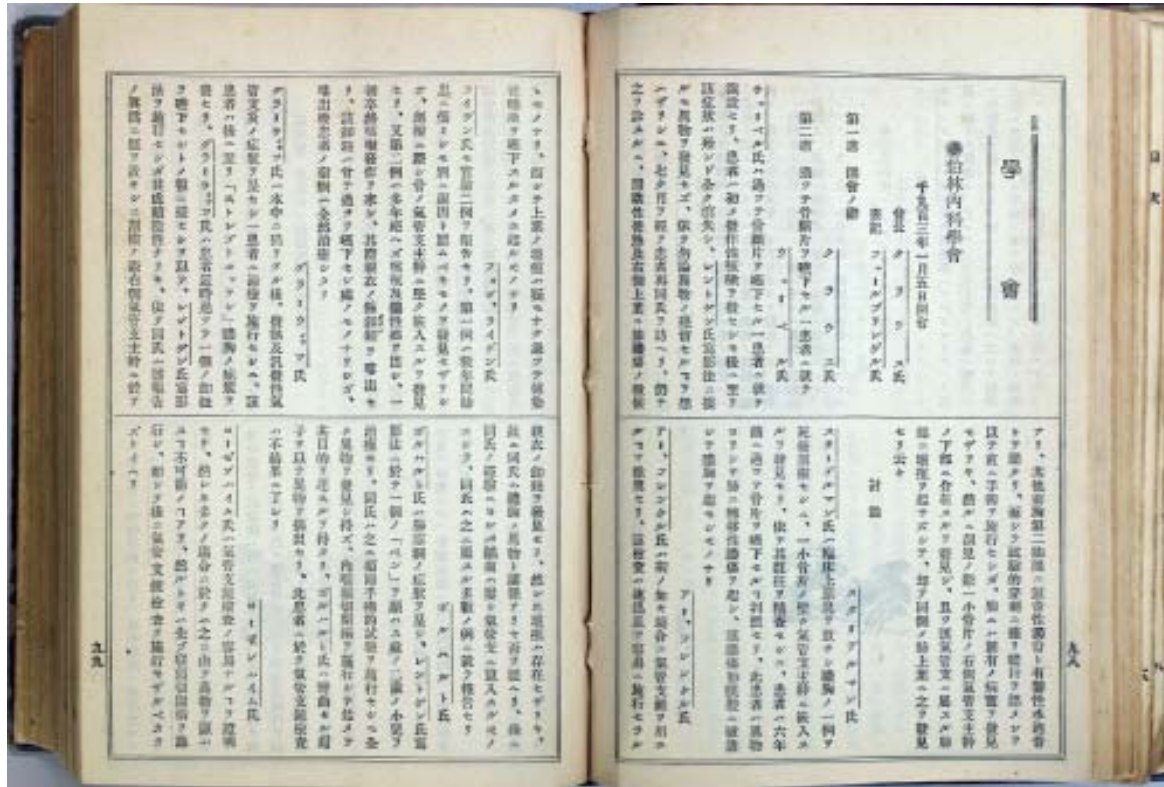
What's "Ichushi-Web" ?

- Bibliographic database service via the Internet
- Fee-based Service
- Coverage: medicine and other allied health disciplines
from 2,700 domestic journals
- About 6.7 million bibliographic data
- Provided to: health care practitioners, researchers,
medical students, pharmaceutical companies,
public libraries, etc.

History of “*Igaku Chuo Zasshi*” (“*Ichushi*”)

- “*Igaku Chuo Zasshi*”(医学中央雑誌);
means “Central Journal of Medicine”
based on “*Centralblatt für die Gesamte Medicin*”
- Established in 1903 by Dr. Shiro AMAKO (physician)
- The second oldest continuing
medical literature indexing and abstracting publication,
following *Index Medicus*®

I. An overview of our organization



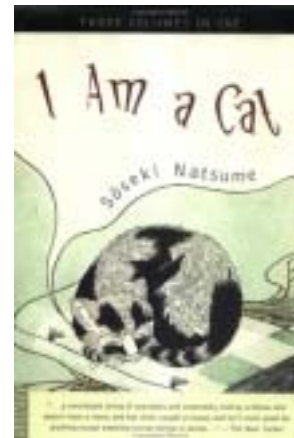
Vol.1 No.1, 1903



1903-2002

About the founder of JAMAS

- Dr. Shiro AMAKO (1865-1930)
- M.D., general practitioner
- Friends with “Sōseki NATSUME” (Japanese novelist)



A brief history of our services

1903 First volume of “Igaku Chuo Zasshi” published.

1992 CD-ROM version of “Ichushi” database became available.

1995 Internal network system for data creation became operational.

2000 “Ichushi-Web” (Web interface) was launched.

2002 Print publication- ceased

2006 CD-ROM service- ceased

II. Creation & Features of the Database

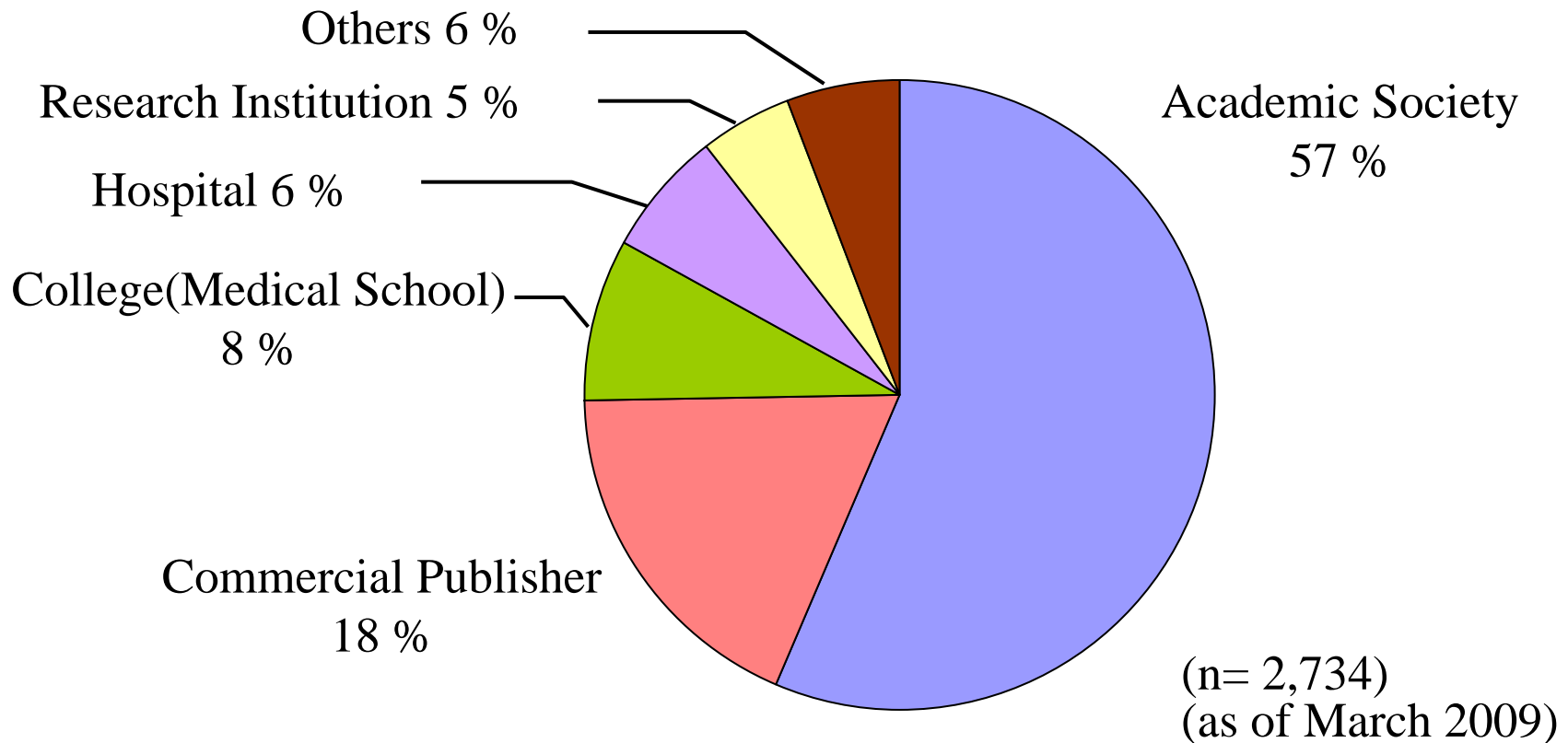
Scope of the “Ichushi” database

- The core subject is medicine
- Subjects peripheral or related to biomedicine; dentistry, pharmacy, nursing, veterinary medicine, and health care
- Scholarly journals, commercial publications, and bulletins of college and hospital
- About 2,700 titles are indexed, currently

II. Creation & Features of the Database

Journals selected and indexed- by publishing body

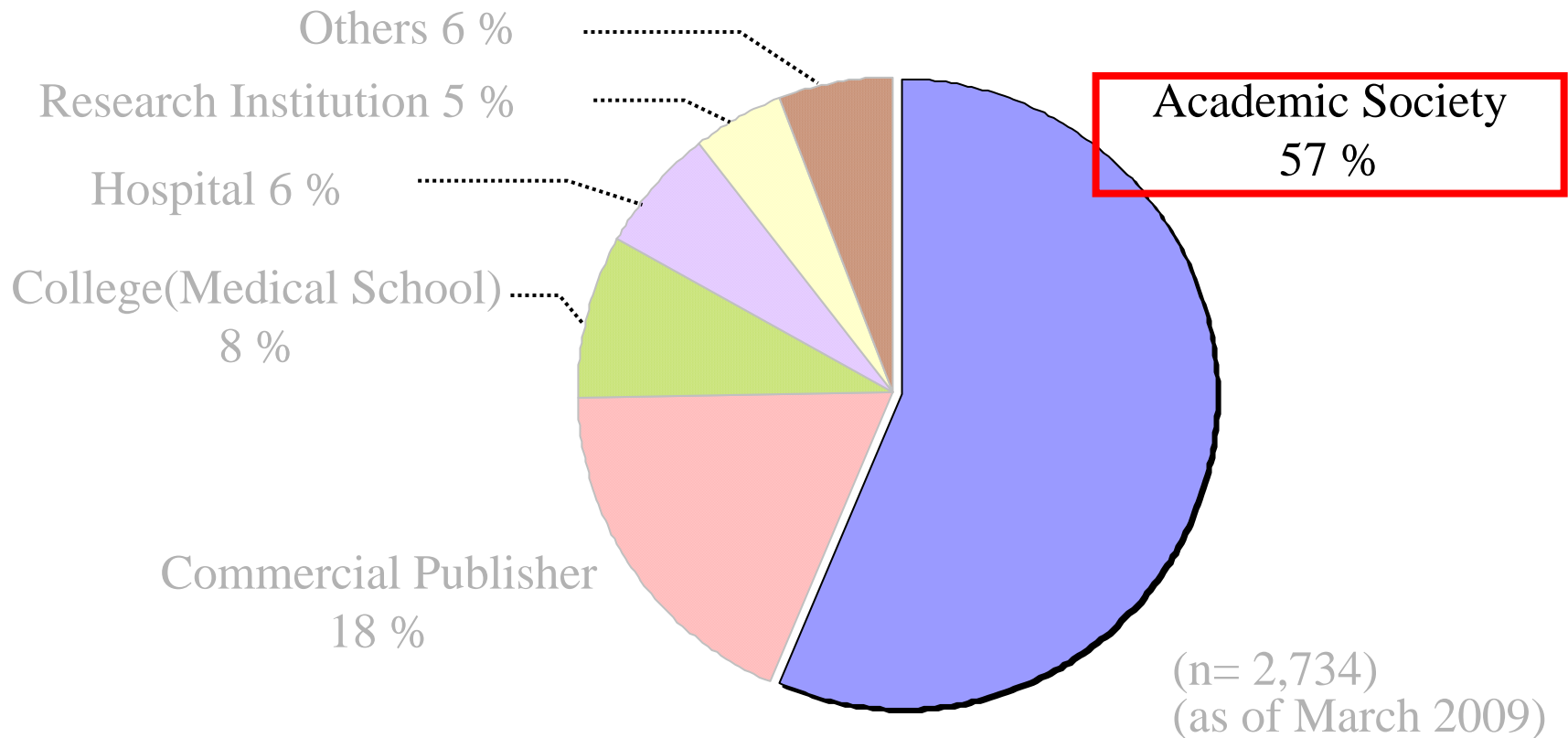
More than half; official journals of academic society



II. Creation & Features of the Database

Journals selected and indexed- by publishing body

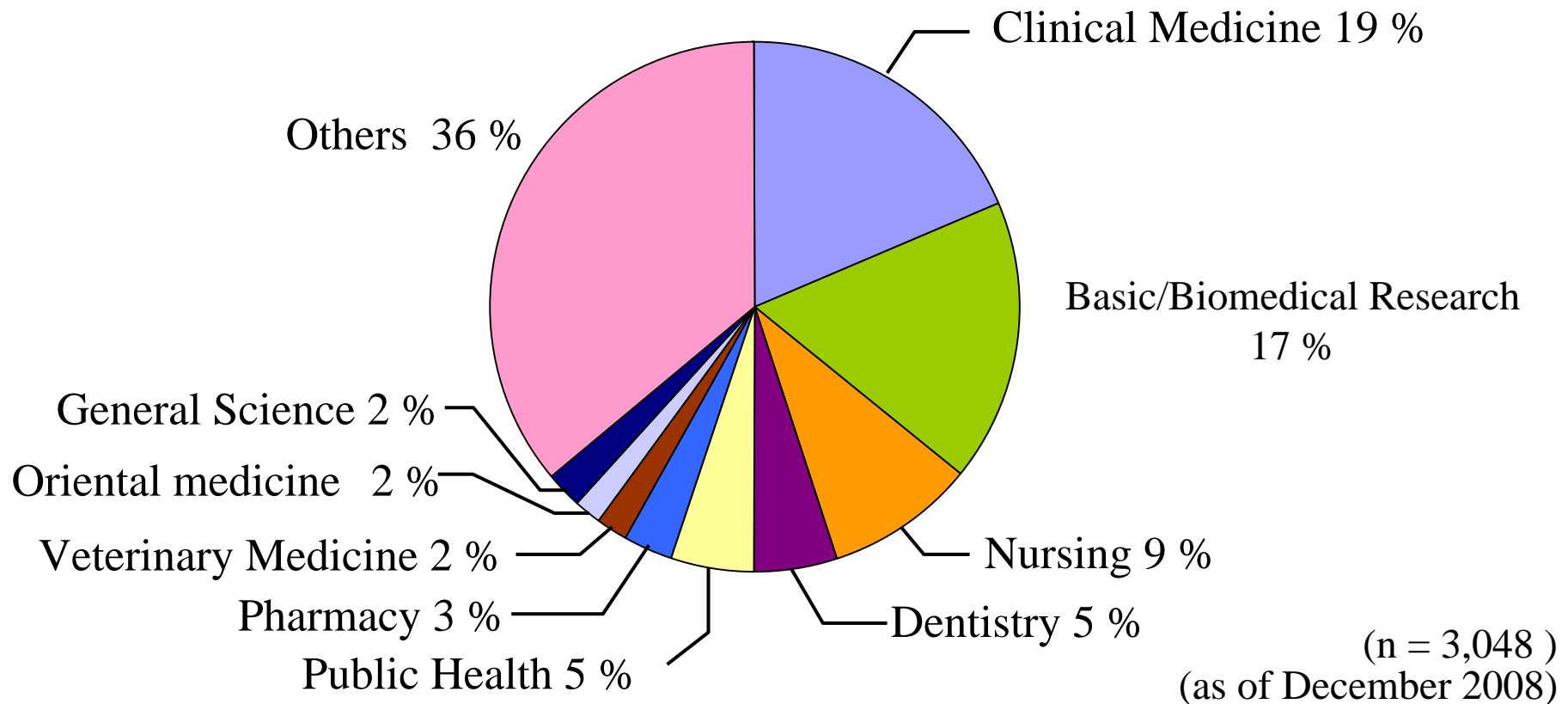
More than half; official journals of academic society



Journals selected and indexed- by subject scope

Over one-third of the total;

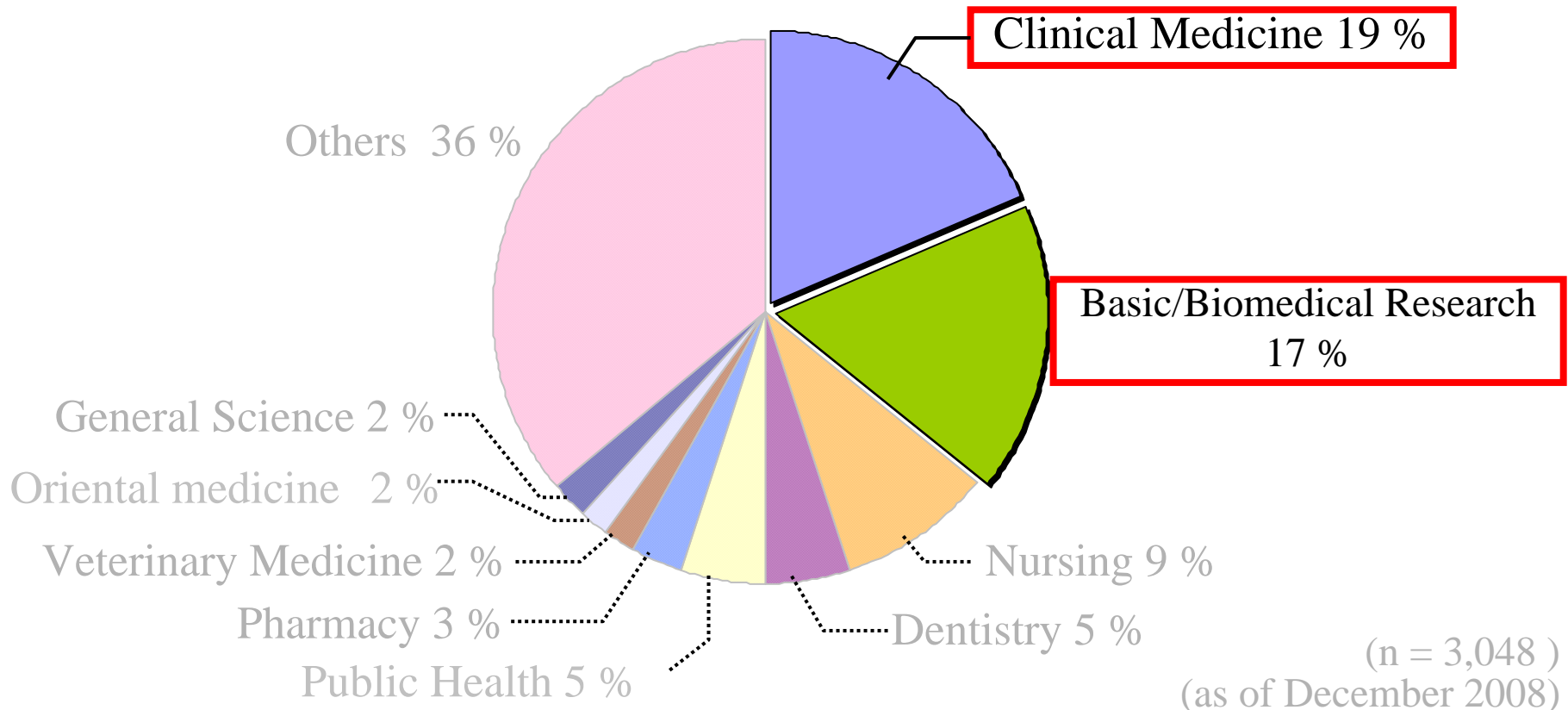
Clinical Medicine and Basic/Biomedical Science Research



Journals selected and indexed- by subject scope

Over one-third of the total;

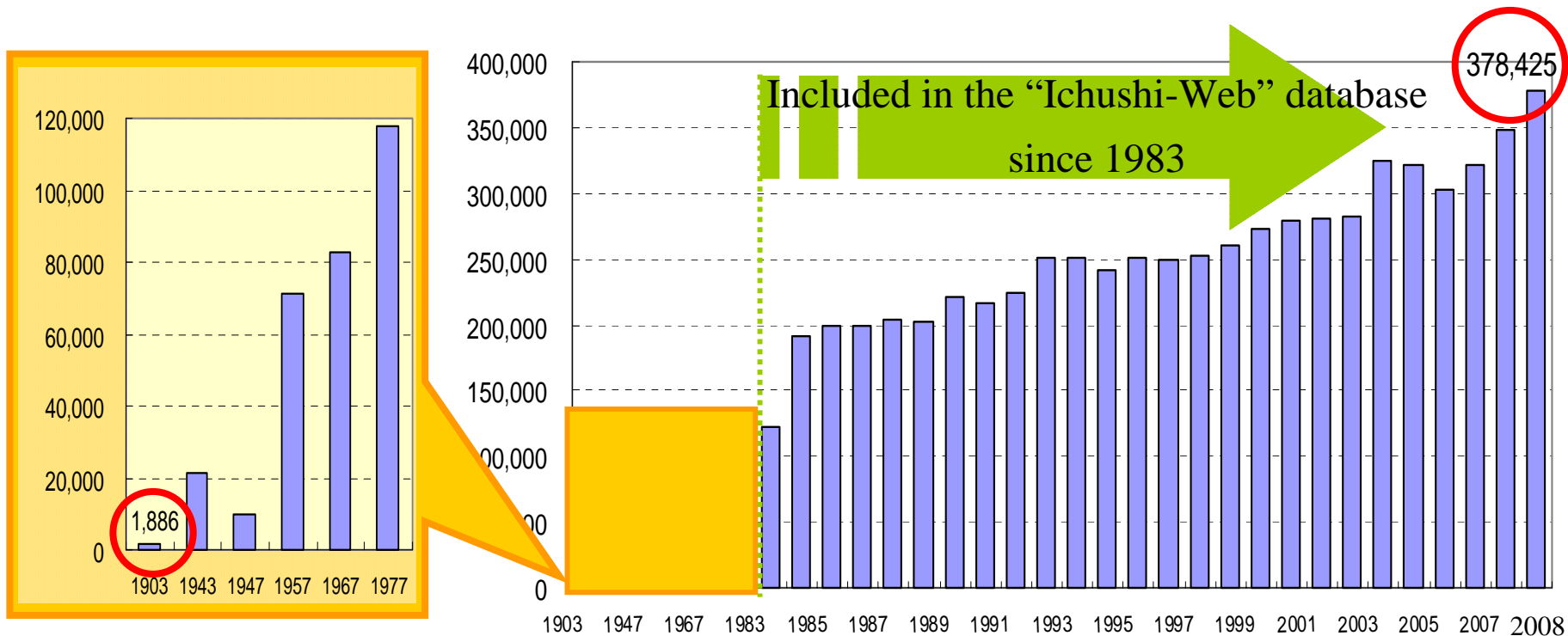
Clinical Medicine and Basic/Biomedical Science Research



II. Creation & Features of the Database

The number of records or citations indexed

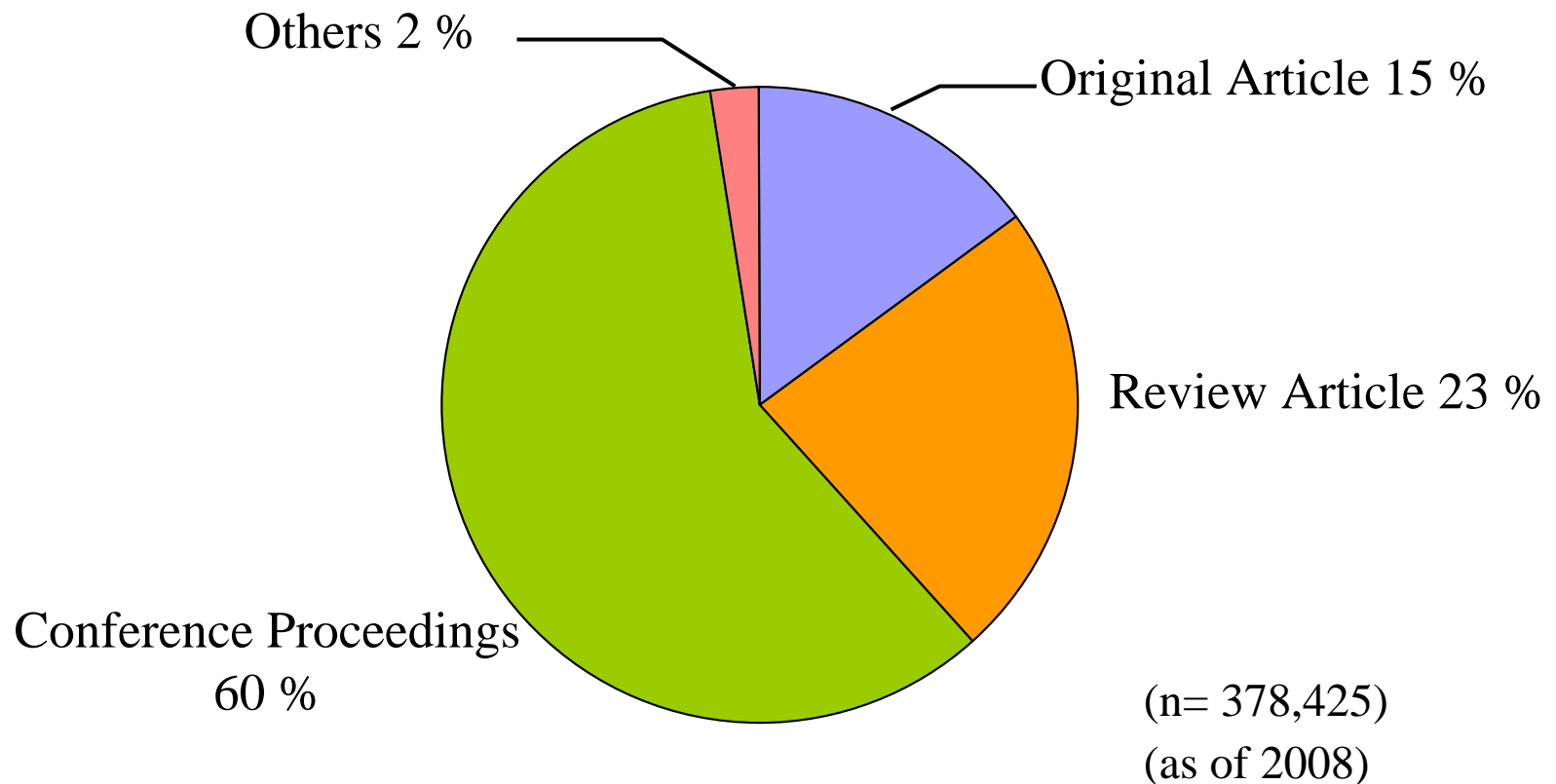
The annual number of articles indexed has risen
from 1,886 in 1903 to 378,000 in 2008



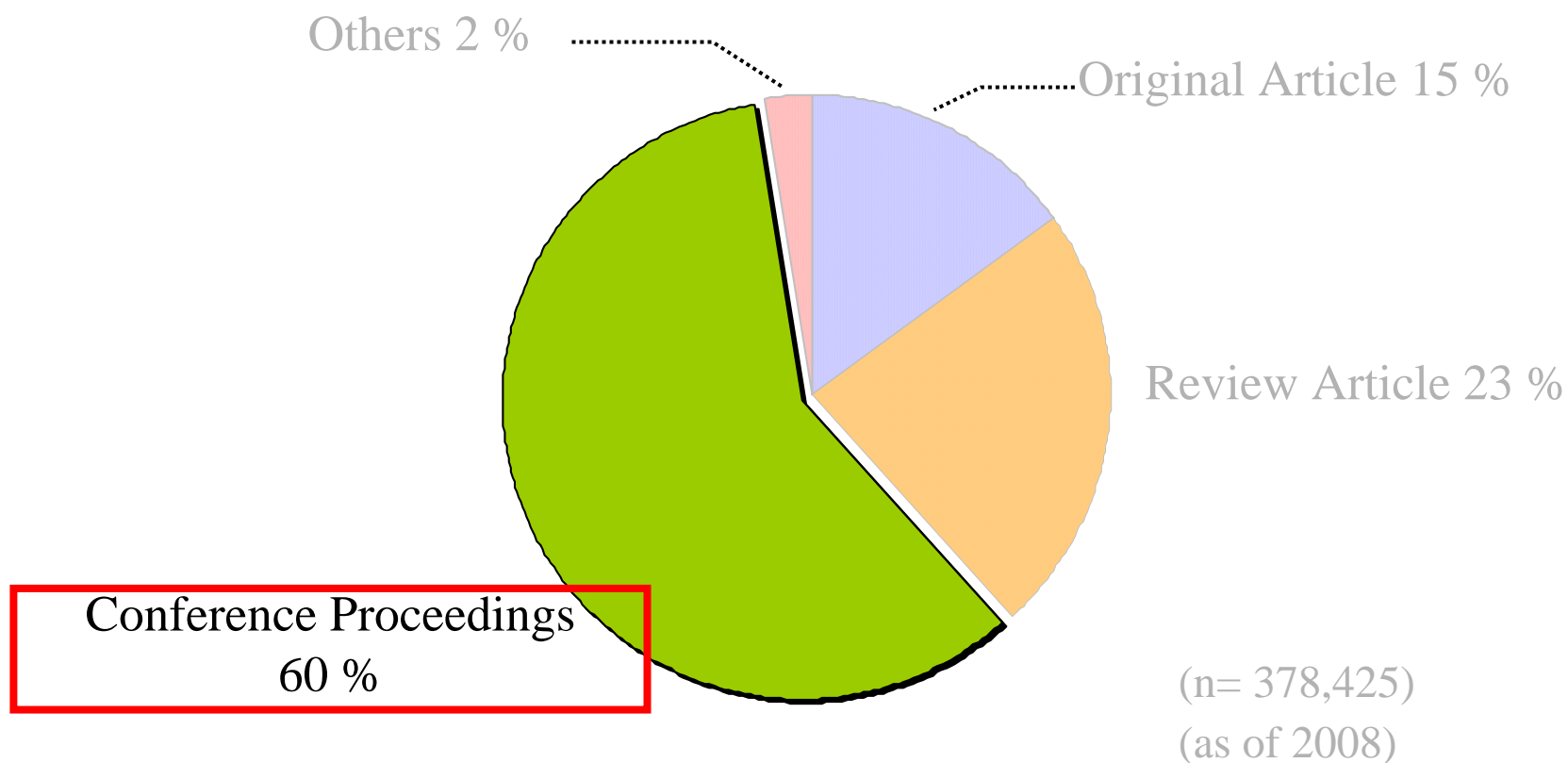
Yearly citation totals from 2008 "Ichushi" baseline: about 6.65 million citations

The breakdown of citations indexed- by type of article

60 percent of the records; “Conference Proceedings”



The breakdown of citations indexed- by type of article
60 percent of the records; “Conference Proceedings”



Data elements of the “Ichushi-Web” database

- Bibliographic information:
author names, title, source, etc.
- Abstract:
20 percent of all the citations- with an abstract
44 percent of all the abstracts- written by authors
(as of 2008)
- Indexed terms:
manually assigned by indexers
using JAMAS’s Thesaurus vocabulary

Citation display format- sample record from “Ichushi-Web”

2004067552
慢性C型肝炎の治療におけるグリチルリチン坐剤の作用:予備試験(Efficacy of a glycyrrhizin suppository for the treatment of chronic hepatitis C: a pilot study)(英語)
Author: Fujioka Takahiro(自衛隊中央病院 内科), Kondou Toshiro,
Fukuhara Akinori, Tounou Shigetaka, Mine Masafumi, Mataka Norikazu, Hanada Kenji,
Ozaka Masato, Mitani Keiji, Nakaya Teruo, Iwai Tomohisa, Miyakawa Hiroshi
Source: Hepatology Research(1386-6346)26巻1号 Page10-14(2003.05)
論文種類: 原著論文/ランダム化比較試験
シソーラス用語: 坐剤(治療的利用, 毒性・副作用); Glycyrrhizic Acid(治療的利用, 毒性・副作用); 肝炎-C型-慢性(薬物療法); C型肝炎ウイルス; パイロットプロジェクト; ウイルスRNA(血液); Alanine Transaminase(血液); 静脈内投与; ランダム化比較試験; 生活の質
医中誌フリーキーワード: Stronger Neo-Minophagen CG治療的利用, 毒性・副作用
チェックタグ: ヒト; 中年(45~64); 老年者(65~79); 男; 女
Abstract: 生検で慢性C型肝炎と診断された26症例を無作為にglycyrrhizinic坐剤群13例と静注群13例の2群に分け, 坐剤の最も効果的で安全な成分含量を検討した。glycyrrhizinic ammonium salt 300mgとsodium capric acid 60μgの混合物が最も効果的で有効であった。坐剤を12週間投与した時の血清ALT値減少に対する作用は, 静注した時と同様であった。重篤な副作用は認められなかった。よって新たに開発したglycyrrhizin坐剤は, 慢性C型肝炎患者のQOL改善に有用であることが示唆された。

Title

Authors / Affiliation

Source (journal information)

Type of article / Research design

Indexed terms (descriptors)

Indexed terms (non-descriptors)

Check Tags

Abstract

JAMAS's Thesaurus;

basically in conformity to NLM's MeSH[®]

- The latest edition (the 6th) updated in 2007,
based on the 2005 edition of MeSH[®].
- 55,232 terms contained
(descriptors: 25,317 / non-descriptors: 29,915)
cf. 25,186 descriptors in 2009 MeSH[®], and over 160,000 entry term
- Available online, and also as a print publication
- Used for subject indexing and retrieval



Tree structure for “HIV Infections” - corresponds to NLM’s MeSH®



from NLM’s MeSH®

The image shows a screenshot of the ICHUSHI website. The page title is 'HIV Infection'. Below the title, there is a search bar and a button labeled '検索'. The main content area displays a list of related terms and their relationships, organized in a hierarchical manner. The terms include 'ウイルス性疾患 (v2+)', '免疫不全症候群 (c20-80+)', and 'HIV Infection (c20-80-80-20+)'. The list is extensive and includes many specific sub-terms, such as 'AIDS (c20-80-20-10)', 'AIDS 複雑性候群 (c20-80-20-20)', 'AIDS 機転性候群 (c20-80-20-30)', 'AIDS 機転性候群 (c20-80-20-40)', 'AIDS 機転性候群 (c20-80-20-50)', 'AIDS 機転性候群 (c20-80-20-60)', 'AIDS 機転性候群 (c20-80-20-70)', 'AIDS 機転性候群 (c20-80-20-80)', 'AIDS 機転性候群 (c20-80-20-90)', 'AIDS 機転性候群 (c20-80-20-100)', 'AIDS 機転性候群 (c20-80-20-110)', 'AIDS 機転性候群 (c20-80-20-120)', 'AIDS 機転性候群 (c20-80-20-130)', 'AIDS 機転性候群 (c20-80-20-140)', 'AIDS 機転性候群 (c20-80-20-150)', 'AIDS 機転性候群 (c20-80-20-160)', 'AIDS 機転性候群 (c20-80-20-170)', 'AIDS 機転性候群 (c20-80-20-180)', 'AIDS 機転性候群 (c20-80-20-190)', 'AIDS 機転性候群 (c20-80-20-200)', 'AIDS 機転性候群 (c20-80-20-210)', 'AIDS 機転性候群 (c20-80-20-220)', 'AIDS 機転性候群 (c20-80-20-230)', 'AIDS 機転性候群 (c20-80-20-240)', 'AIDS 機転性候群 (c20-80-20-250)', 'AIDS 機転性候群 (c20-80-20-260)', 'AIDS 機転性候群 (c20-80-20-270)', 'AIDS 機転性候群 (c20-80-20-280)', 'AIDS 機転性候群 (c20-80-20-290)', 'AIDS 機転性候群 (c20-80-20-300)', 'AIDS 機転性候群 (c20-80-20-310)', 'AIDS 機転性候群 (c20-80-20-320)', 'AIDS 機転性候群 (c20-80-20-330)', 'AIDS 機転性候群 (c20-80-20-340)', 'AIDS 機転性候群 (c20-80-20-350)', 'AIDS 機転性候群 (c20-80-20-360)', 'AIDS 機転性候群 (c20-80-20-370)', 'AIDS 機転性候群 (c20-80-20-380)', 'AIDS 機転性候群 (c20-80-20-390)', 'AIDS 機転性候群 (c20-80-20-400)', 'AIDS 機転性候群 (c20-80-20-410)', 'AIDS 機転性候群 (c20-80-20-420)', 'AIDS 機転性候群 (c20-80-20-430)', 'AIDS 機転性候群 (c20-80-20-440)', 'AIDS 機転性候群 (c20-80-20-450)', 'AIDS 機転性候群 (c20-80-20-460)', 'AIDS 機転性候群 (c20-80-20-470)', 'AIDS 機転性候群 (c20-80-20-480)', 'AIDS 機転性候群 (c20-80-20-490)', 'AIDS 機転性候群 (c20-80-20-500)', 'AIDS 機転性候群 (c20-80-20-510)', 'AIDS 機転性候群 (c20-80-20-520)', 'AIDS 機転性候群 (c20-80-20-530)', 'AIDS 機転性候群 (c20-80-20-540)', 'AIDS 機転性候群 (c20-80-20-550)', 'AIDS 機転性候群 (c20-80-20-560)', 'AIDS 機転性候群 (c20-80-20-570)', 'AIDS 機転性候群 (c20-80-20-580)', 'AIDS 機転性候群 (c20-80-20-590)', 'AIDS 機転性候群 (c20-80-20-600)', 'AIDS 機転性候群 (c20-80-20-610)', 'AIDS 機転性候群 (c20-80-20-620)', 'AIDS 機転性候群 (c20-80-20-630)', 'AIDS 機転性候群 (c20-80-20-640)', 'AIDS 機転性候群 (c20-80-20-650)', 'AIDS 機転性候群 (c20-80-20-660)', 'AIDS 機転性候群 (c20-80-20-670)', 'AIDS 機転性候群 (c20-80-20-680)', 'AIDS 機転性候群 (c20-80-20-690)', 'AIDS 機転性候群 (c20-80-20-700)', 'AIDS 機転性候群 (c20-80-20-710)', 'AIDS 機転性候群 (c20-80-20-720)', 'AIDS 機転性候群 (c20-80-20-730)', 'AIDS 機転性候群 (c20-80-20-740)', 'AIDS 機転性候群 (c20-80-20-750)', 'AIDS 機転性候群 (c20-80-20-760)', 'AIDS 機転性候群 (c20-80-20-770)', 'AIDS 機転性候群 (c20-80-20-780)', 'AIDS 機転性候群 (c20-80-20-790)', 'AIDS 機転性候群 (c20-80-20-800)', 'AIDS 機転性候群 (c20-80-20-810)', 'AIDS 機転性候群 (c20-80-20-820)', 'AIDS 機転性候群 (c20-80-20-830)', 'AIDS 機転性候群 (c20-80-20-840)', 'AIDS 機転性候群 (c20-80-20-850)', 'AIDS 機転性候群 (c20-80-20-860)', 'AIDS 機転性候群 (c20-80-20-870)', 'AIDS 機転性候群 (c20-80-20-880)', 'AIDS 機転性候群 (c20-80-20-890)', 'AIDS 機転性候群 (c20-80-20-900)', 'AIDS 機転性候群 (c20-80-20-910)', 'AIDS 機転性候群 (c20-80-20-920)', 'AIDS 機転性候群 (c20-80-20-930)', 'AIDS 機転性候群 (c20-80-20-940)', 'AIDS 機転性候群 (c20-80-20-950)', 'AIDS 機転性候群 (c20-80-20-960)', 'AIDS 機転性候群 (c20-80-20-970)', 'AIDS 機転性候群 (c20-80-20-980)', 'AIDS 機転性候群 (c20-80-20-990)', 'AIDS 機転性候群 (c20-80-20-1000)'. The page also includes a footer with the text 'Copyright © 2000 ICHUSHI. All rights reserved.'

from JAMAS’s thesaurus

II. Creation & Features of the Database

Vocabulary maintenance system-

“*Molecular Diagnostic Techniques*” as an example

“Scope Note” quoted, “Unique ID” referred to

- highly related to MeSH®

National Library of Medicine - Medical Subject Headings	
2009 MeSH	
MeSH Descriptor Data	
Return to Entry Page	
Standard View: Go to Compact View Go to Expanded Compact View	
MeSH	Molecular Diagnostic Techniques
Heading	
Tree Number	D002086881
Tree Number	D002091520
Annotation	word with specific technique
Scope Note	
Entry Terms	Molecular Diagnostic Techniq
Entry Terms	Molecular Diagnostic Techniq
See Also	Chromatin Analysis
See Also	Genetic Screening
See Also	Molecular Probe
Allowable Qualifiers	CL SC SC RC RC RC RC RC RC RC RC RC RC RC
Entry Version	MOLC DIAG TECHNIQUES
History Note	2002: by MOLECULAR DIAGNOSTIC TECHNIQUES AND MOLECULAR DIAGNOSTIC METHODS 2008-2001
Date of Entry	2001/07/23
Unique ID	

from NLM's MeSH®

MeSH descriptor data in Japanese. A red box highlights the "Scope Note" field, which contains the Japanese translation of the MeSH® scope note. Another red box highlights the "Unique ID" field, which contains the Unique ID number. Arrows point from the text labels to these fields.

from the JAMAS's system

II. Creation & Features of the Database

Indexers assign descriptors
at a computer on the in-house network

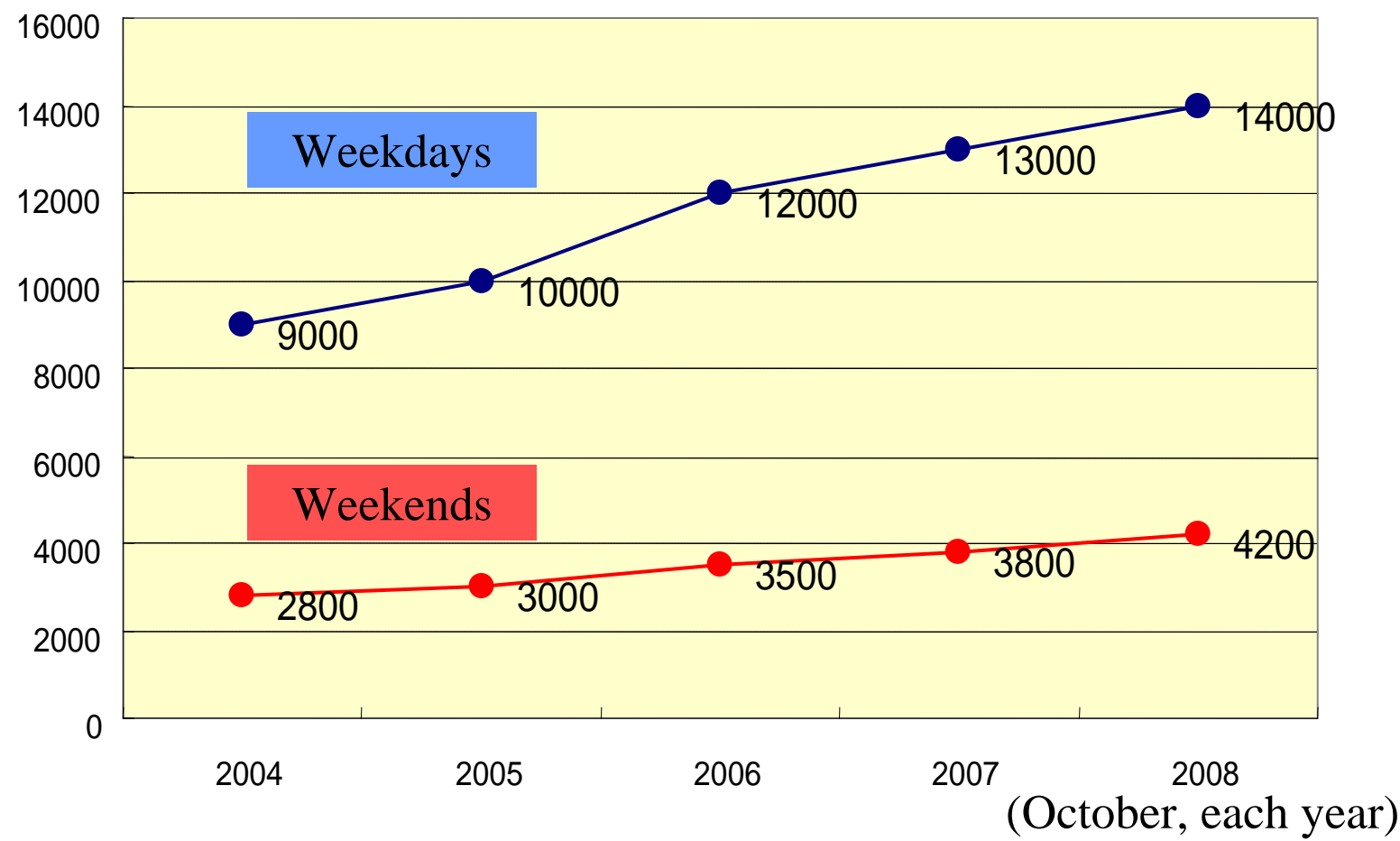
An office scene in Indexing Section



見出上下	語番号	キーワード	割1	割2	割3	形態
<input checked="" type="checkbox"/>	T012552	肺高血圧症				自動
<input type="checkbox"/>	T011223	大動脈				関連
<input type="checkbox"/>	T018332	肝臓症候群	20			
<input type="checkbox"/>	T004832	Esoirostrol	12			
<input type="checkbox"/>	T010320	腸管拡張				
<input type="checkbox"/>	T007218	肝臓病変				
<input type="checkbox"/>	T013942	有病率				
<input checked="" type="checkbox"/>	F016904	Portopulmonary Hypertension	40	20	30	

III. Utilization of “Ichushi-Web”

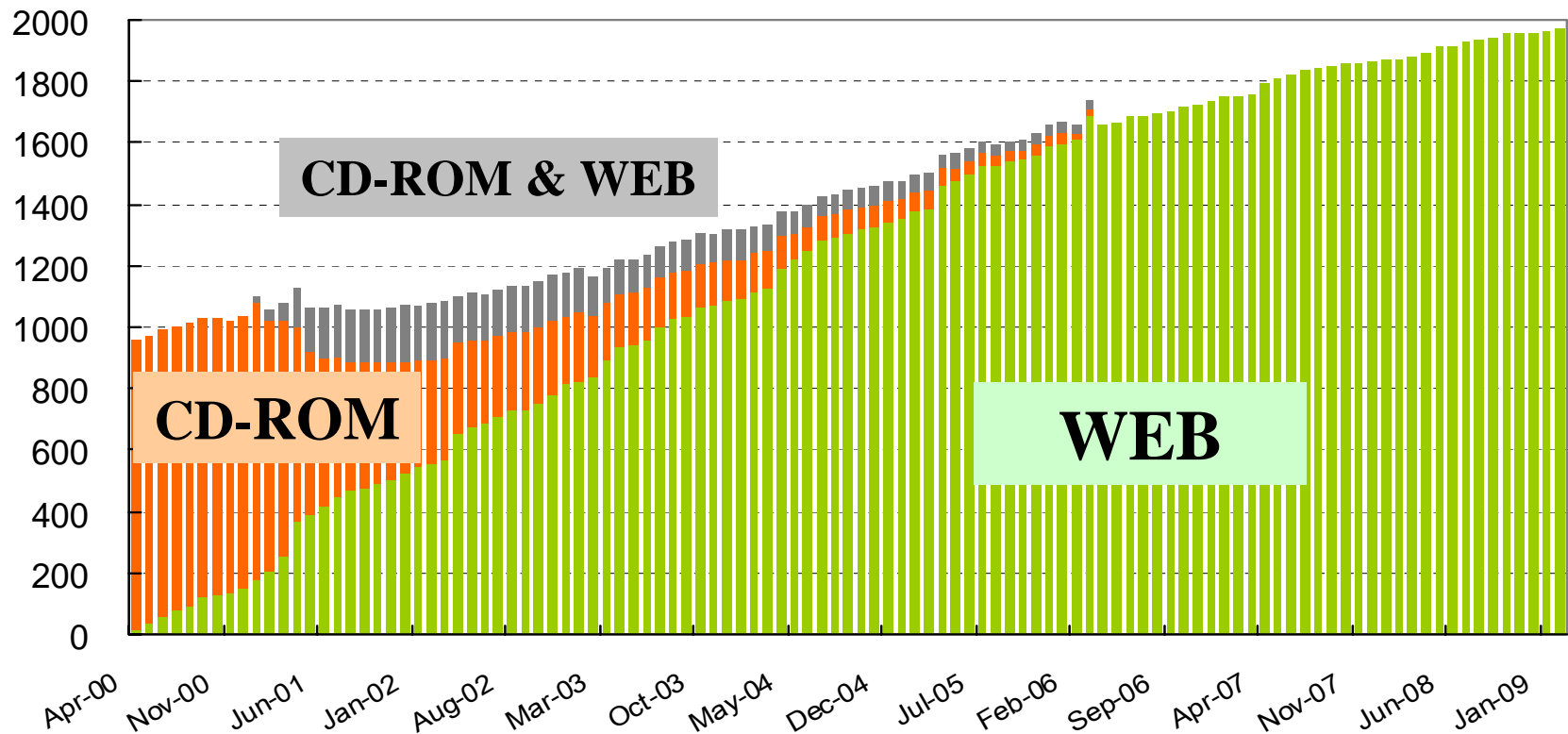
The average daily number of login;
Approximately 14,000- during the weekdays in 2008



III. Utilization of “Ichushi-Web”

The number of our customers/service contactors;

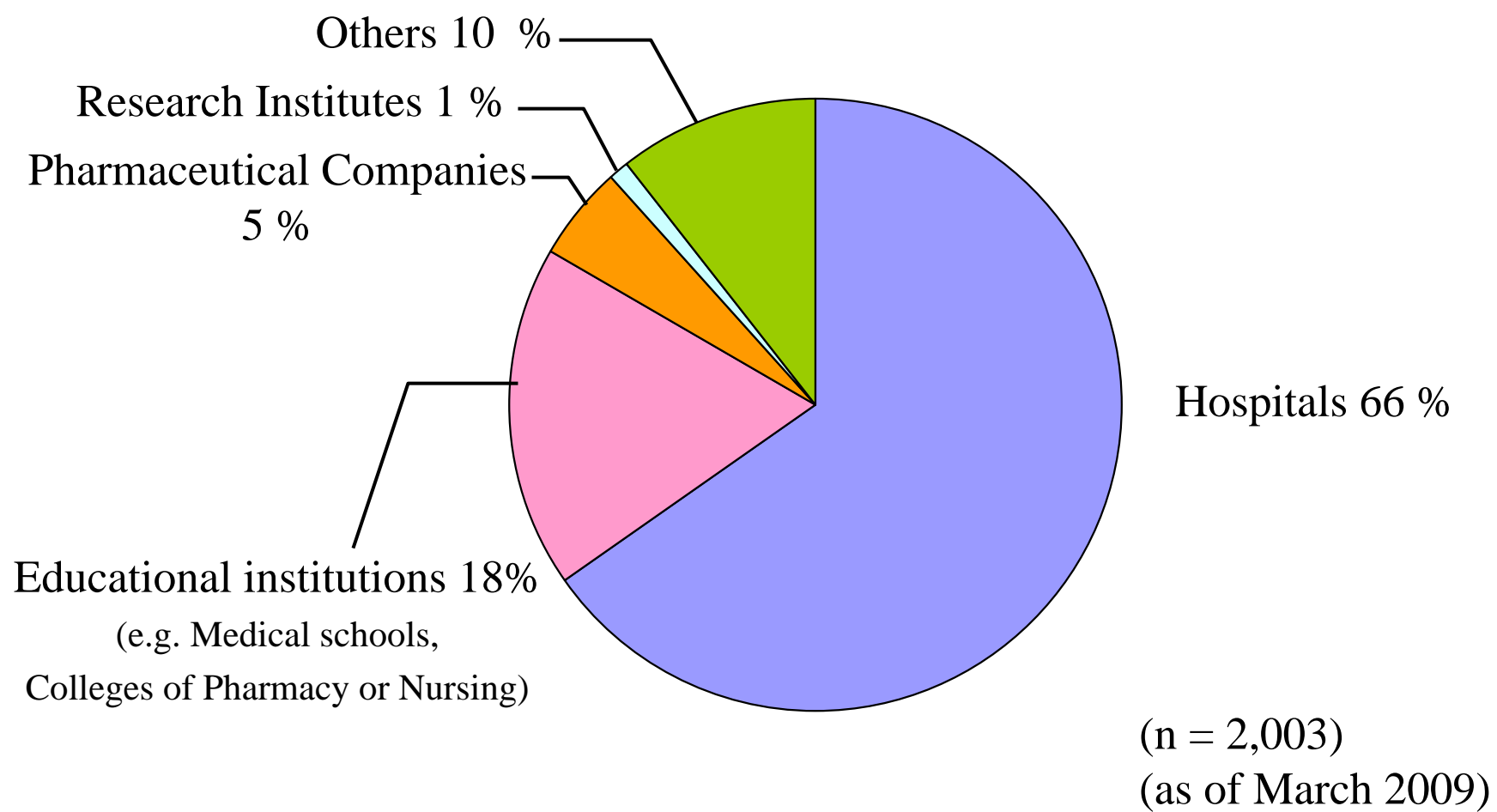
About 2,000 institutional customers of web-based service, as of 2009



cf. Additionally, around 6,000 individual customers

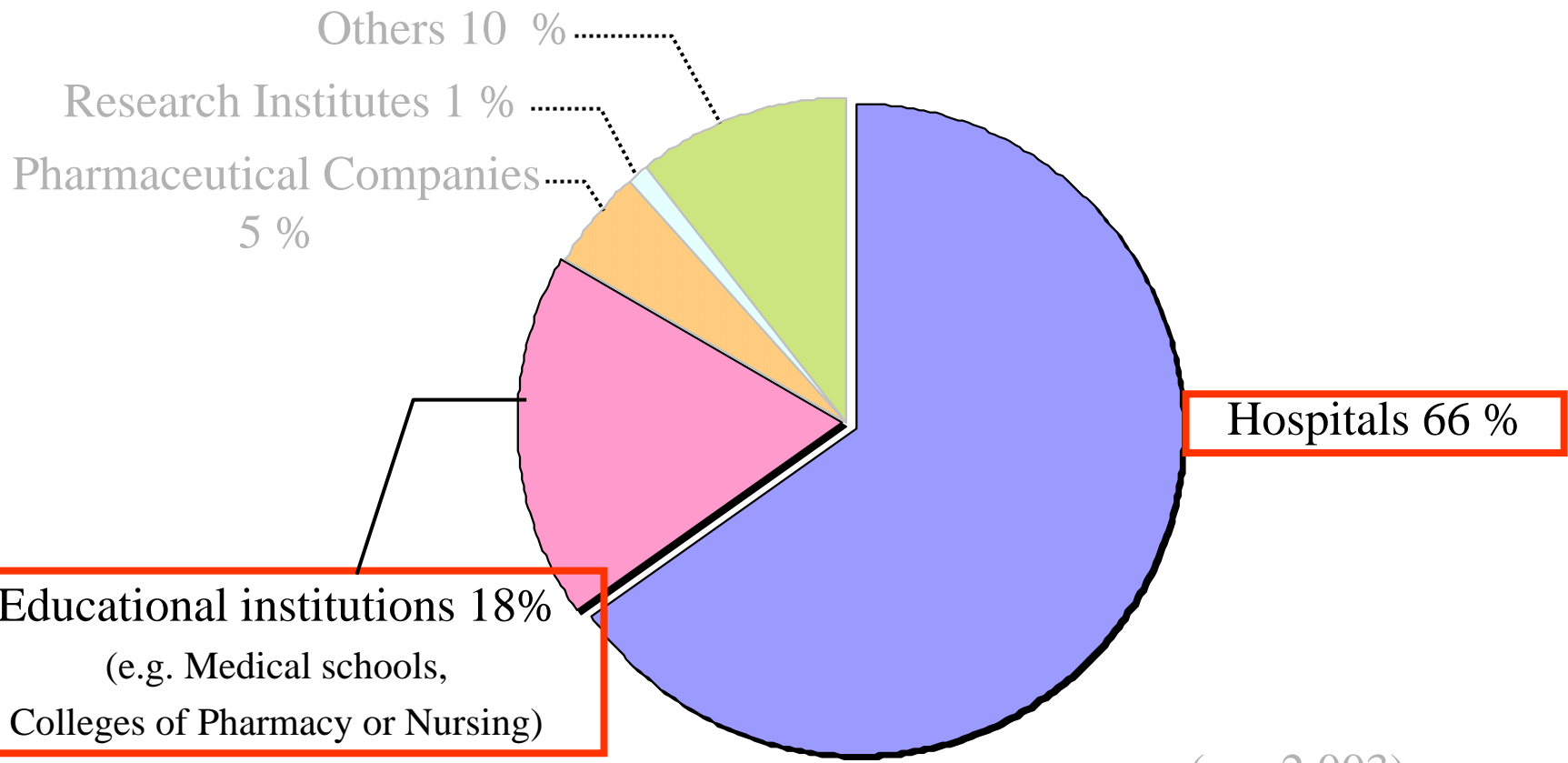
The breakdown for our institutional customers

Hospitals account for 66 % of the total



The breakdown for our institutional customers

Hospitals account for 66 % of the total



(n = 2,003)
(as of March 2009)

Links to the external databases

More than one million references- linked to the full-text article

Database offered	Provider	Organizational form	Number of linkage
CiNii	National Institute of Informatics	National institute	583,686
Medical Online	Meteo.Inc	Commercial company	427,920
CrossRef	CrossRef.org	Non-for-profit membership association	83,715
J-STAGE	Japan Science and Technology Agency	Independent administrative institution	56,484
MedicalFinder	Igaku-Shoin Ltd.	Commercial company	33,290
Pier Online	Sunmedia Co., Ltd.	Commercial company	10,799
Total			1,195,894

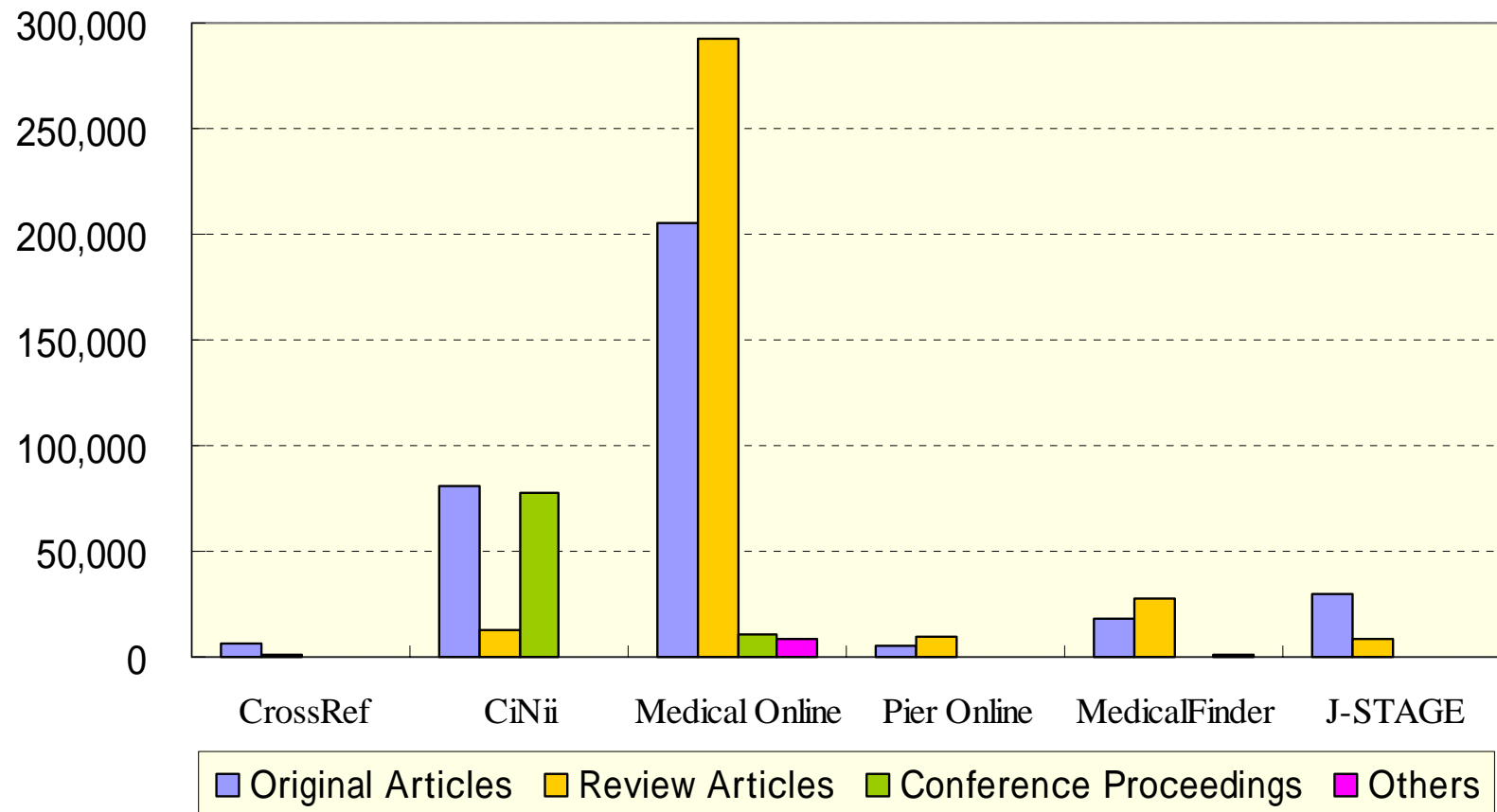
(as of March 2009)

III. Utilization of “Ichushi-Web”

Users’ clicking on links to access the electronic full-text;

Based on log information- January through May 2008

“Review Article” in commercial journals in higher demand

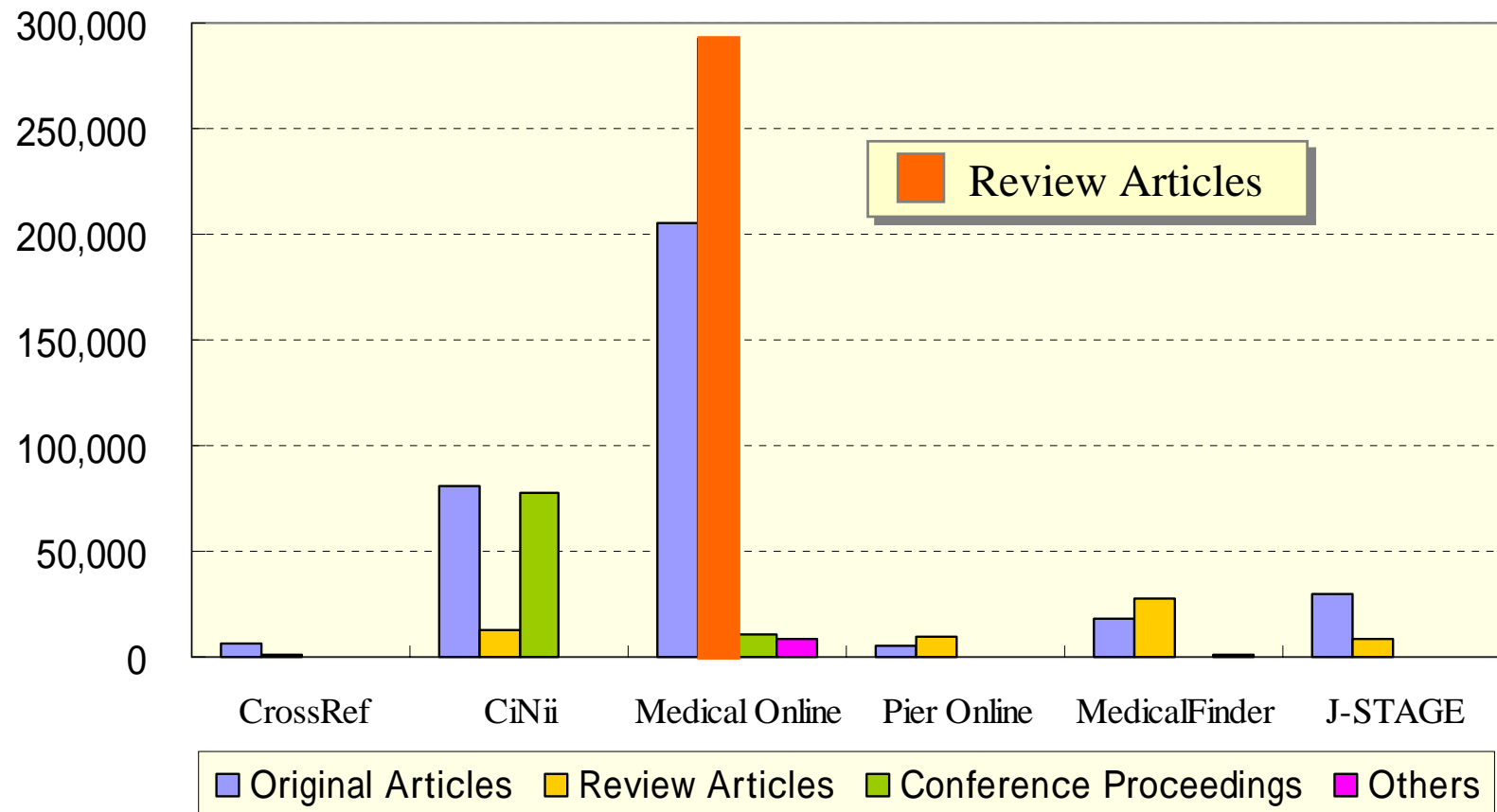


III. Utilization of “Ichushi-Web”

Users’ clicking on links to access the electronic full-text;

Based on log information- January through May 2008

“Review Article” in commercial journals in higher demand



In Summary

“Ichushi-Web” offered by JAMAS contributes
the progress of medicine and public health in Japan.

- Powerful database of Japanese medical literature
- Used in clinical practice, research, and education
- Covers Non- MEDLINE[®] journals

Thank you,

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NPO JAPAN MEDICAL ABSTRACTS SOCIETY (JAMAS)