Health Policy in Asia | Health Technology Assessment | Education | Outcomes Research | ISPOR Asia Consortium | Regional Initiatives

### ISPOR Asia Consortium Leadership

### **Executive** Committee

### 2014-2016 Chair

Yen-Huei Tarn, PhD, MS Taiwan Pharmacist Assoc. Taipei, Taiwan

**2014-2016 Past Chair** Surachat Ngorsuraches, PhD Prince of Songkla University Songkhla, Thailand

### Editorial Board

### **Co-Editors**

Chee-Jen Chang, PhD Chang Gung University Taipei, Taiwan

Dixon Thomas, PhD Nirmala College of Pharmacy, Muvattupuzha Kerala, India

Nguyen Thi Bach Yen, MD Hanoi Medical University Hanoi, Viet Nam

### **Past Co-Editors**

Gordon G. Liu, PhD Peking University Beijing, China

Kenneth KC Lee, PhD Monash University Kuala Lumpur, Malaysia

Hui-Chu Lang, PhD National Yang Ming University, Taipei, Taiwan

Asrul Akmal Shafie, PhD University of Malaysia Kuala Lumpur, Malaysia

### The ISPOR Asia Consortium Newsletter

"Pharmacoeconomics and outcomes research quarterly serving to inform health policy in Asia"

### FEATURED NEWS

### **Health Policy Article**

Pharmacoeconomic Guidelines in Indonesia, Malaysia and Thailand Syed Mohamed Aljunid, MD, MSc, PhD, Kuala Lumpur, Malaysia; Mardiati Nadjib, MPH, Depok, Indonesia; Surachat Ngorsuraches, PhD, Songkhla, Thailand

### **Regional Health Policy Updates**

Recent health policy developments in Hong Kong, Iran, Israel, Japan and Taiwan Reference: Health Policy Brief on "Strengthening Vital Statistics Systems" by the Asia Pacific Observatory on Health Systems and Policies (APO)

### ALSO IN THIS ISSUE

Letter from the Editors Pharmacoeconomics and outcomes research in Autumn

Outcomes Research in Asia Value in Health Regional Issues - New Asia Editorial Advisory Board ViHRI Excellent article award Guidance for Writing Excellent Research Manuscripts for Submission to Value in Health Regional Issues: Part I

ISPOR Asia Consortium ISPOR Asia Consortium Vision 2020 Asia Consortium business meeting during ISPOR 17th European Congress *New!* Elections for 2014-2016 Chair-Elect of working committees: welcome your nominations ISPOR 7th Asia-Pacific Conference support opportunities ISPOR Asia Consortium Resources

### **ISPOR Regional Initiatives in Asia**

*New!* ISPOR Regional Chapter News: ISPOR South China Chapter ISPOR CHEERS article translated into Japanese ISPOR Africa and Arabic Networks meetings and forums during ISPOR 17th European Congress

### **Member-Reported News**

Iran's Immunization Plan

Volume 3 Number 3 Autumn 2014 (October-November)

ISSN 2308-1945







### News Across Asia Co-Editors



Chee-Jen Chang, PhD



Dixon Thomas, PhD



Nguyen Thi Bach Yen, MD, PhD

### **Editorial Office**

- Robert Selby
- Nancy Sun
- Malgorzata (Gosia)

Juszczak– Punwaney

Zandra Yin

### LETTER FROM THE EDITORS

Dear friends and colleagues:

Autumn is once again upon us, and with it the beautiful fall foliage, shorter days and anticipation of the holiday season. For our friends in the southern hemisphere, enjoy the warmth for us!

ISPOR Asia Consortium members are still undoubtedly reflecting on the epic meeting in September, however, the consortium still churns on with notable achievements and consistent breakthroughs. ISPOR recently concluded its highly successful 17th European Congress in Amsterdam, which had over 4,800 attendees. There were over 480 delegates from Asia in attendance, and the Asia Consortium business meeting had over 50 attendees that shared leading edge policy developments from their countries.

<u>Value in Health Regional Issues</u> Volume 6 (Asia) editorial process is currently underway, having received 62 submissions. A new Excellent Manuscript Award has also been introduced, which will honor a superior paper published in *ViHRI*. We are also very excited to include in this issue the first part of a 4 part article series on "Guidance for Writing Excellent Manuscripts for Submission to *ViHRI*."

On the policy front, this issue is chock full of new policy developments throughout the region as reported by experts within the consortium. The featured article also covers PE guideline development in three spotlighted countries: Indonesia, Malaysia and Thailand. The Asia Pacific Observatory on Health Systems and Policies (APO) released a policy brief on *Strengthening Vital Statistics Systems* which is included for reference. There are also recent health policy updates including the initiation of consultation process for the new voluntary health protection scheme (HPS) in Hong Kong, new evidence requirements for Iran's National Medicines List (NML), new inter-hospital electronic communication platforms in Israel, HTA recent developments in Japan, and rising HTA needs in Taiwan including capacity-building, data availability and transferability, and local evidence thresholds.

As an exciting sidebar, ISPOR South China Chapter is the newest ISPOR Regional Chapter in Asia.

Finally, we welcome you to <u>check out the support opportunities</u> that are available for the upcoming ISPOR 7th Asia-Pacific Conference in Singapore, 2016. Opportunities exist for corporate support, as well as educational symposia and roundtables.

These are just a sample of the countless initiatives that ISPOR Asia Consortium members are involved in. We welcome you to participate and join us in making an impact for positive health outcomes in Asia.

Kind regards,

Chee-Jen Chang, PhD, Director, Clinical Informatics and Medical Statistics Research Center, and Professor, Graduate Institute of Clinical Medical Sciences, Chang Gung University, Taoyuan, Taiwan

Dixon Thomas, PhD, MS, MSc, Professor & Head, Department of Pharmacy Practice, Nirmala College of Pharmacy, Muvattupuzha, Kerala, India

Nguyen Thi Bach Yen, MD, PhD, Senior Lecturer, Department of Health Economics, Institute of Preventive Medicine and Public Health Education, Hanoi Medical University, Hanoi, Viet Nam

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 





### Table of Contents

### **Health Policy in Asia**

 Pharmacoeconomic Guidelines in Indonesia, Malaysia and Thailand (3-5)

### **Outcomes Research in** Asia

- •Achievements of ViHRI
- (Asia) Editorial Board (5)
- •ViHRI (Asia) Editorial Board, **Editorial Advisory Board** Additions (5-6)
- •*ViHRI* Excellent Article Award (6)
- •Guidance for Writing Excellent Manuscripts for Submission to *ViHRI*: Part I (7)

### **ISPOR Asia Consortium**

- Asia Consortium Vision 2020 (8)
- •Asia Consortium Business meeting in Amsterdam (8)
- •Working Committee elections (9)
- •7th Asia-Pacific Conference Support Opportunities (9)
- •Asia Consortium Resources (9)

### **Regional Health Policy** Initiatives

- •Policy Brief: *Strengthening* Vital Statistics Systems (10)
- •Regional updates for Hong Kong, Iran, Israel, Japan and Taiwan (10-11))
- •ISPOR Regional Chapter News (11-12)
- •ISPOR 17th European Congress joint meetings and forums (12)

**Member-Reported** News •Iran's Immunization Plan (12)

### **HEALTH POLICY IN ASIA**

These reports were are based the decision of inclusions to the guidelines, it will be im-Pacific Conference

### Pharmacoeconomics in Indonesia: HTA, Universal Coverage and PE Guidelines

Mardiati Nadjib, MPH, ISPOR Indonesia Chapter

dynamic aspects of pharmacoeconomic development in Indonesia, including health technology assessment protocols, health care reform and universal coverage and pharmacoeconomic guidelines.

Actually, there has been HTA Health, but there was no ecopharmacoeconomic undertaken to support the decision-making for a long time. Thus in 2012 an ad hoc technical team on HTA was asincluded in this ad hoc technical team, which covered proments, with the majority on the procedures that need to be in- within the social health insurwithin the Ministry of Health.

With regard to health reform, macoeconomics, scheme has been introduced. process, particularly related to

on presentations from ISPOR the benefits package. The cur- portant to provide more guid-Forum PE Guidelines in Asia rent policy under the national ance on HTA as well as step during the ISPOR 6th Asia- health insurance, or otherwise by step guidance on conductreferred to as Kesehatan Nasional or JKN yses. Ultimately, guidelines was established with the single will need to be continually payer scheme starting in Janu- refined to be systematic, crediary of 2014. This single payer ble, and practical, for use by system is not tax-based fi- decision makers. Finally, it nanced but rather mandated. will be very important to in-The government covers the clude budget impact analysis. poor and the employer and the We may follow the example of This report will touch on three employee also contribute and other countries that have deall the funding is centrally veloped their own thresholds, managed. In 2013 the Govern- like Thailand in following dement mandated in Article 26 of veloped institutions like the the legislation for explicit in- UK's NICE. clusion of new medical tech- For ISPOR Indonesia Chapter nologies and that the benefit website view here. package should be based on HTA, with emphasis on the in Indonesia since 2003. It has safety, efficacy and equality of been under the Ministry of interventions, as well costeffective and efficient resource nomic evaluation nor required allocation. It was further stipuanalysis lated in Article 43 that HTA falls under the jurisdiction of the Ministry of Health.

Pharmacoeconomic guidelines were finalized in 2011 to serve signed by the MOH and there key health care stakeholders were three working groups like health professionals at MOH, health care facilities, industry, and academicians. cedure, drugs, and medical Their initial aim was to raise devices. These groups con- the awareness of the imducted more than 30 assess- portance of pharmacoeconomics in determining benefits cluded as part of the program ance scheme. Guidelines provided background on phardefinitions, in 2014 a new financing costing methods including cost minimization, cost effective-Indonesia is moving toward ness, cost benefit, and cost universal health coverage un- utility, and other considerader a single payer system, with tions, and the procedures of the the goal of creating a systemat- economic evaluation. Looking ic and institutionalized HTA ahead to the next iteration of

Jaminan ing pharmacoeconomic anal-

### Pharmacoeconomic **Guidelines in Malavsia**

Syed Mohamed Aljunid, MD, MSc, PhD, ISPOR Malaysia Chapter

Malaysia has been undergoing the continual process of developing and refining pharmacoeconomic guidelines to decide on the processes that are going to be involved when drugs are submitted by agencies and companies who are interested to include this in the financing mechanisms of the country. In Malaysia a lot of resources still come from the tax-based system. Most of the health systems in the world grapple with the four key issues: – trying to achieve accessibility, quality, efficiency, and equity. And when we talk about drug submission, probably the most important aspect is ensuring that we have enough resources to provide the services to all people in the country.

Volume 3 Number 3 Autumn 2014 (October-November)



### Announcements

#### **ISPOR Asia Consortium Business Meeting**

Over 50 participants attended the meeting during the ISPOR 17th European Congress in Amsterdam to share health policy information View the meeting discussion>>

#### Asia Consortium Elections

Elections are being held for the 2014-2016 Chair-Elect position of the ISPOR Asia Consortium working committees.

Send your nominations>>

### **ISPOR South China Chapter**

The newest ISPOR Asia Chapter is located in Jinan University, Guangzhou, China. View the Chapter website>>

#### ViHRI Excellent Manuscript Award

This new award recognizes one outstanding article published in *ViHRI* per year, with the aim of promoting excellent research in the regions. View the new award information>>

#### **Decision-making Economic Uncertainty Workshop**

**ISPOR** Australia Chapter recently held a workshop on decision making with uncertainty on November 18, 2014 in Melbourne. View the workshop presentations>>

#### **Strengthening Vital Statistics Policy Brief**

The Asia Pacific Observatory on Health Systems and Policies (APO) has launched a Policy Brief on Strengthening Vital Statistics Systems. View the policy brief>>

Chinese ISPOR Distance Learning Module

"Patient Reported Outcomes -

Analysis and Interpretation (患者报 告结果 (PROs) — 分析与解读) is now available and can be accessed

### free here

#### **CHEERS** translated into Japanese

The ISPOR Good Research Practice Article on Consolidated Health Economic Evaluation Reporting Standards Japanese version is now available. View the report>>

# News Across Asia

### **HEALTH POLICY IN ASIA**

Another important area of fo- the acceptable CE ratio, and Pharmacoeconomics and cus is ensuring that the services also the budget impact analysis. HTA in Thailand are equitably distributed and This will help to actually forpeople who are in the lower mulate an effective document income category have access to for submission. The future benthe services. Malaysia spends efit for standardizing the pro- Pharmacoeconomics and HTA around 4 to 4.5% of GDP cess of utilizing economic evalwhich is a much smaller pro- uation to support decision makportionally than many other ing, will be to enhance quality countries, so a large focus on of pharmacoeconomic data for pharmaceutical production is drug submission. It will also two years after the establishrequired after setting up the help to promote local data and necessary infrastructure. Phar- economic evaluation which Chapter in 2005. The guideline maceuticals are very expensive, again will help the decision and may cost as much as \$1 makers and improve overall billion to produce one drug. A evidence-based policy decigreat portion of the cost is sions. spent on the stages of preclini- Of course, there are a number with experts. With the initiation And nearly 30% of the re- many other developing counsources are being spent on the tries in the region are facing. Phase I, II, and III of the drug For example, one area is lack of in this country we are con- and evaluate pharmacoeconomcerned about how the compa- ic studies, especially from the nies are going to recoup this committees who are involved investment, but at the same in the decision making. Lack of time we have to balance this funding for good quality rebles expenditure make up about sharing of information between 14% of medical cases and as various players in the country much as 10% of the surgical including hospitals, lack of cases.

officially published the drug agencies are all challenges. formulary and guideline for In developing countries like past 2 years. These pharmacoered in the guidelines include the types of economic evalua- future. Economic evaluation tion that need to be carried out studies are becoming more and by companies which are in- more important, and I think in volved in trying to register the the future capacity will be cultidrugs, the costing approaches that are acceptable, the outcome issues, discounting, sensi- please click here. tivity analysis, time horizon,

cal as well as the clinical trials. of challenges that Malaysia and of HTA guidelines back in development. As policymakers technical capacity to conduct be used in a university or colwith the available resources. In search, as well as local data version was widely considered hospitals, drugs and consuma- will have an impact. Limited to be too technical in its lantransparency in decision mak-Malaysia has introduced, and ing and the limited role of HTA

pharmacoeconomics within the Malaysia, the limited body of research which is critically economic guidelines may be needed to support guidelines National List of Essential Medaccessed here. The areas cov- implementation will be a target icine Committee which is area for improvement in the vated to meet the demand.

To view this presentation,

Surachat Ngorsuraches, PhD, ISPOR Thailand Chapter

have a longer history in Thailand, but that is not to sav it was an easy journey. The HTA guideline came out in 2007. ment of the ISPOR Thailand was developed under the Health Intervention and Technology Assessment Program (HITAP) through consultations 2006, the originally idea was for it to be also more like a textbook as well, to educate, to lege, which wasn't an ideal format. But throughout the development process, it was a learning experience through much expert feedback. The first guage for useful application. This was remedied in 2008 with revisions. There were also two versions: English as well as Thai, which was published in 2009. It was then listed on the Journal of the Medical Association of Thailand with the strategy to have it approved by the something that everybody should comply with.

There were two major challenges that we faced in putting out the guidelines. The first edition was referred to as an HTA guideline but actually it wasn't because it just focused on only economic evaluation. As you

Volume 3 Number 3 Autumn 2014 (October-November)



### **Call for Papers!**

We invite you to submit your manuscript to *ViHRI* Asia for consideration. For manuscript submission instructions, view here:

### ViHRI Submission Instructions>>

The criteria of the manuscript submission are:

- One of the authors of an article must reside in Asia: and
- Empirical study articles must include subjects from populations in Asia.

For Guide for Authors, please view here.

Submit Manuscript 🕨

### **Reviewers** Needed

Interested in serving as reviewer for Value in Health Regional Issues?

We are seeking qualified reviewers who can review manuscripts in the following areas of outcomes research:

 Economic Evaluation •Patient-Reported Outcomes (PRO) or Quality of Life (OOL) Studies •Clinical Outcomes Studies •Health Policy Analysis

Interested in becoming a reviewer for ViHRI? Register here.

## News Across Asia

### **HEALTH POLICY IN ASIA**

are aware, economic evaluation impact analysis, social and ethi- like the authors of the guide-

and HTA are not exactly the cal implications, as well as line? How do you encourage same thing because you've got deeper economic evaluations others to use and comply with to include some other things. for infectious diseases and their the guideline? It's important to For example, budget impact, modeling methods. The new remember that this is a learning social impact, ethical impact Thai version was also pub- process, and that the final outand so on. The other problem lished and made available for come will be the product of was that we formatted it to the public. For other countries much trial and error and fact more like a textbook, which that are currently working on finding. Again, while there is a made it hard for laypeople to developing guidelines, there are long history of HTA and pharunderstand and use. So five or some lessons to be learned maceoconomics in Thailand, it six years later in 2012, the sec- from the Thai experience. has not been without its chalond edition was developed. There are some important ques- lenges. However, through con-HITAP worked to develop sys- tions to ask. For example, who tinual collaboration and dilitematic analyses to refine the should lead the guideline devel- gence, the field has grown into process, and consulted with opment? That's very important. a mature foundation for health experts and stakeholders. After And what kind of funding will care decision making in Thaifeedback and dissemination, the be available for developing the land. For more information, new version included all of the guideline? Who will be the view ISPOR Thailand Chapter other issues including budget users? Who should be included, website.

### **OUTCOMES RESEARCH IN ASIA**

Value in Health Regional Issues focusing on Asia (ViHRI Asia) - Value

Impressive Achievements of ViHRI and the Editorial Board

Value in Health Regional Issues-Asia has achieved remarkable milestones over the past several years. Since its first issue was published in May 2012, there have been three issues published. The 2012 issue featured 19 articles with 25 submissions, the 2013 issue published 23 articles with 67 submissions and the latest 2014 issue published 31 articles with 73 submissions. The journal has enjoyed a sustained high level of interest by submitters, with an average rejection rate of 60%. The newest issue, ViHRI Volume 6, which



will be published in May 2015, the authors and steering the ing forward.

rial Board and Editorial Advisory Board members. Co-Editor in Chief Dr. Bong-min Yang. and Co-Editors Dr. Nathorn Chaiyakunapruk, Dr. Jianfei (Jeff) Guo and Dr. Due to the impressive number Kenneth KC Lee, along with of submissions to Value in Editorial Assistants Nancy Health Regional Issues-Asia, Sun and Robert Selby, took and the mounting workload for full responsibility in manually the already stretched editorial reviewing all of the manu- team, the ISPOR Board of Discripts carefully, working with rectors approved the proposal

has received 62 submissions. direction of the journal with the With an even brighter future overall goal of preserving acaahead, the journal is currently demic integrity, attracting readworking on applying to be in- ership and pushing the science dexed in Medline, which will of pharmacoeconomics and inevitably raise the profile of outcomes research to new levthe ViHRI even higher by at- els in Asia. As the 2012-2014 tracting more submissions go- editorial term comes to end, we wish to warmly thank the team It is important to point out that for the outstanding work. The non of the success of the jour- Editorial Board and Editorial nal would have been possible Board members all renewed without the invaluable support their additional three year terms and tireless efforts of the Edito- and will serve from January 2015 to December 2017.

### Welcome new members of the ViHRI Editorial Board and **Editorial Advisory Board**

Volume 3 Number 3 Autumn 2014 (October-November)



ViHRI Asia Editorial Board January 2015—December 2017

### **Co-Editor-in-Chief**



Bong-min Yang, PhD Seoul National University, Seoul, South Korea

### **Co-Editors**



Nathorn Chaiyakunapruk, PharmD, PhD Monash University Sunway Campus Kuala Lumpur, Malaysia



Jeff Jianfei Guo, MS, **PhD**, University of Cincinnati Health Academic Center, Cincinnati, Ohio, USA



Kenneth KC Lee, JP, MPhil, PhD Reg Pharm (HK), Monash University Kuala Lumpur, Malaysia



Shu Chuen Li, PhD University of Newcastle, Callaghan, Australia

### Editorial Assistant



Nancy Sun ISPOR Lawrenceville, NJ, USA

For more information view the Editorial Board webpage>>

# News Across Asia

### **OUTCOMES RESEARCH IN ASIA**

of adding another Co-Editor following recommendations from the Asia Consortium Executive Committee and Co-Editor-in-Chief.

### The ViHRI Asia Editorial Board

The ViHRI Asia Editorial Board warmly welcomes new Co-Editor. Professor Shu Chuen Li, joining the board. Professor Li is currently Professor of Pharmacy and Head of Pharmacy and Experimental Pharmacology, School of Biomedical Sciences, University of Newcastle in Callaghan, Australia. Professor Li is a respected leader in pharmacoeconomics and has published extensively. He was a past ISPOR Director, as well as Asia Consortium founding member. For details on ViHRI Asia Editorial Board, view here.

### The ViHRI Asia Editorial Advisory Board

The ViHRI Asia Editorial Advisory Board Health Regional Issues. warmly welcomes Dr. Chang, Dr. Dong and Dr. To be eligible for consideration, view the Yin to the ViHRI Asia Editorial Advisory Board:

Chee-Jen Chang, PhD, Director, Clinical Informatics and Medical Statistics Research Center, and Professor, Graduate Institute of Clinical CEEWAA Medical Sciences, Chang Gung University, Taoyuan, Taiwan. Dr. Chang is well published and currently serves as Chair of the Asia Con- Are you writing a manuscript on sortium Publication Committee and President of health policy analysis, original valuable in achieving the goals of ViHRI Asia.

Director, Center for Health Policy Studies, Medical School , Zhejiang University, Huang- Details: Manuscript Submission Instructions. zhou, China. Dr. Dong has expertise in Health Policy, Health Economics, Hospital Management and Health Technology Assessment and broad international professional experiences.

Donald D. Yin, PhD, Associate Vice President Value in Health Regional Issues. & Head, Global Health Outcomes, Merck & Co., Inc., is currently Chair of ISPOR Institutional Council and Chair of the Asia Consortium Health Technology Procedures (Industry) Committee. Dr. Yin is well published and a highly regarded health economics expert in the Asia-Pacific region. For details on the ViHRI Asia Editorial Advisory Board, view here.

Value in Health Regional Issues focusing on Asia (ViHRI Asia) is a scientific online regional journal focusing on health care research, policy or conceptual papers. Submission and editorial review process is year-round.



To view and download the articles from the past ViHRI Asia issues, please visit the ISPOR Asia Consortium homepage.

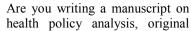
### **Excellent Manuscript Award**

The ViHRI Excellent Article Award has been established to recognize the authors of the best article in Value in Health Regional Issues each year. The objective of this award is to promote quality research, originality, and utility in health care decisions for articles published in Value in

criteria and procedure here.

### Value in Health Regional Issues **Value**

### **Call for Papers!**



ISPOR Taiwan Chapter. His publication record health care research, or other health-related topand active involvement in the region will be ics focusing on Central & Eastern Europe, Western Asia and Africa (CEEWAA)? Submis-Hengjin Dong, PhD, Professor and Executive sion is all year round, however the cutoff date for the upcoming issue is: February 15, 2015.

> Value in Health Regional Issues (ViHRI) Volume 4, focusing on CEEWAA was recently published and is now available at

Check out these articles from Western Asia:

- An Overview of the Orphan Medicines Market in Turkey
- Determinants of Cost-Related Nonadherence to Medications among Chronically Ill Patients in Maccabi Healthcare Services, Israel

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 



ViHRI Asia Editorial **Advisory Board** January 2015-December 2017

Mohammad Abdollahi, PharmD, PhD, Tehran University of Medical Sciences, Tehran, Iran

Chee-Jen Chang, PhD Chang Gung University Taoyuan, Taiwan

Bruce Crawford, MPH, MA IMS Health KK Tokyo, Japan

Hengjin Dong, PhD Zhejiang University Huangzhou, China

Shanlian Hu, MD, MSc Fudan University Shanghai, China

Isao Kamae, MD, DrPH University of Tokyo Tokyo, Japan

Sheldon Kong, PhD Novo Nordisk Inc. Princeton, NJ, USA

Eui-Kyung Lee, RPh, PhD Sungkyunkwan University Seoul, South Korea

Vivian Lee, PharmD Chinese University of Hong Kong, Hong Kong, China

Hong Li, PhD, MPH Bristol-Myers Squibb Co. Shanghai, China

Gordon G. Liu, PhD Peking University Beijing, China

Nan Luo, PhD National University of Singapore, Singapore

Yen-Huei (Tony) Tarn, MS, **PhD**, Taiwan Pharmacist Association, Taipei, Taiwan

Ming-Chin Yang, PhD National Taiwan University, Taipei, Taiwan

Donald D. Yin, PhD Merck & Co., Inc. Whitehouse Station, NJ, USA

### **OUTCOMES RESEARCH IN ASIA**

**Guidance for Writing Excellent Research Manuscripts for** Submission to Value in Health Regional Issues: Part I

Bong-Min Yang, PhD, Seoul, South Korea

Asia region for Value in Health the provide some guidance on how to write a manuscript that can be journal for publication. The research being done in the Asia region is growing rapidly, with the journal seeing an average of 60 manuscript submissions each vear. Publication acceptance is competitive, however, with rejournal, in the interest of developing key knowledge and increasing the evidence base of grow in quality through careful selection of manuscripts. This article will be the first of a fourguidance to authors looking to ViHRI Co-Editors of Asia.

A submitted manuscript is first quence. Co-Editor, if the paper is of reasonable quality. After a Co-Editor's review and approval, the paper then proceeds to peer regarding the Asian region.

solid scientific substance in a also recommend that authors submission. We ask ourselves, as consider the layout and presentawe recommend that you yourself tion style of the manuscript. Two do, is this a scientifically sound papers can discuss the same remanuscript? What is hypothe- search but one that makes the sized, what is provided as data- subject matter relevant and for As Co-Editor-in-Chief of the based evidence/examples, and is example, offers ideas on avenues Regional Issues, I would like to drawn? Are there unfounded will spark stronger interest and arguments being "supported" by therefore will more likely be anecdotes and non-scientific chosen. successfully submitted to the observations? Carefully consider Finally, there have been paper your own paper on these points submissions that I have seen before submitting.

That said, the single largest excessively promotional in nachallenge we see with the manu- ture. I pay particular attention to script submissions we receive is these as the preliminary reviewer facility in the use of the English as promoting any given drug, language. Even the best scientific technology, etc., is something we jection rates as high as 60%. The research, if relayed to its audi- wish to avoid as a journal, to ence in broken sentences of poor protect the journal's integrity as English, fails to share and impart an impartial and science-based the valuable knowledge that it publication. As a matter of prachealth research in Asia, strives to means to. To this end, it is a ne- tice, if a submission, otherwise cessity that English writing qual- sound, is promotional in nature, I ity meets a certain standard of will ask the authors to change the fluency. If the quality of English writing to remove those promopart series designed to provide writing is not good in your man- tional notes and to present the uscript, we recommend seeking research as is, allowing the data, submit. The subsequent three out English writing assistance to analysis, and properly drawn parts will be presented by the edit the manuscript to acceptable conclusions to "do the talking." standards of coherence and elo- These are some key initial notes

Chief, who then passes it on to a we need to publish papers that Part II of this series, which will are of interest to the health com- be featured in News Across Asia, munity at large in the Asia re- Volume 3, Number 4 (Winter gion. A solidly scientific and 2014 Issue), Co-Editor Dr. well-written paper that engenders Nathorn Chaiyakunapruk will view. The journal's topics cover- little overall interest through its provide meaningful examples age is broad, including health subject matter is not as valuable from notable articles that have policy analysis, health econom- to the journal as one that presents been published in the journal. ics, and outcomes research. a subject matter of strong interest To view the forum presentation, However, the submission criteria that would be widely read, view here. for manuscripts is restrictive in learned from, and utilized by that at least one of the manu- others in their own learning and script's authors must reside in research endeavors. Consider the Asia, and the study must be re- subject matter's relevance and the health community's interest

First and foremost, we look for level in it before submitting. We conclusion appropriately for further research and debate,

throughout my tenure that are

to consider when crafting your considered by the Co-Editor-in- From the journal's perspective, manuscripts for submission. In

> This article was based on presentations from the ISPOR ViHRI Forum during the ISPOR 6th Asia-Pacific Conference

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 



### Asia Consortium **Leadership** Elections

**ISPOR Asia Consortium is** beginning elections for the 2014-2016 Chair-Elect position of the working committees.

Working Committee Chair-Elect must reside in a country in Asia (except for Industry Committee) and be an ISPOR member. The responsibilities of the committee Chair-elect are to conduct and preside over all meetings of the committee in the absence of the Chair; and assist the Chair with the responsibilities of the committee.

Please nominate excellent candidates by sending your recommendations to asiaconsortium@ispor.org. Self nominations are also welcomed

The following working committees are currently undergoing elections for leadership:

- Education Committee
- Publication Committee
- Industry Committee
- Clinicians Committee
- HTA Agencies, Health Care policymakers and Payers Committee

\*With self nominations, please provide a 1/2-1 page vision statement and resume.

You may view current working committee memberships as well as recent Asia consortium initiatives at the Asia Consortium homepage

### **ISPOR ASIA CONSORTIUM**

### Vision 2020 for ISPOR Asia Consortium

ISPOR Asia Consortium has grown incredibly since its inception in 2004, from 12 founding members to now over 700 members a decade later. With that in mind, thought leaders within the consortium met together to discuss strategy to take the consortium forward into the next ISPOR Asia Consortium Business decade.

clude Asia becoming an emerging and im- pean business meeting on November 10, 2014 portant pharmaceutical market; countries in during the ISPOR 17th European Congress in Asia have increasingly used pharmacoeconom- Amsterdam, The Netherlands. There were over ics and outcomes research (PEOR) to support 50 delegates in attendance, and the meeting public policy decision making, including pric- provided a platform for sharing information on ing and reimbursement policy; adaption of bio- cutting edge developments in Asia health policy logical technology, which is likely expensive, is from countries / regions including China, Hong increasing and this adaption usually requires the Kong, Taiwan, Iran, Israel, Japan, Kazakhstan, use of PEOR; and sources of data and information systems in Asia have become available.

On the other hand, major challenges that lie ahead include the fact that human capacity related to PEOR is still a major issue; PEOR science and methodology in the region is an ongoing challenge; sources of research data and activity funding are limited; working around a variety of health care systems and country backgrounds can be challenging; and involvements of policy makers, health care professionals, and patients in PEOR are limited.

The ISPOR Vision 2020 outlines strategies for the three major areas of focus, which include Research, Education and Communication. These strategies and tactics support the research goal of improving quality and data inputs, building capacity within the educational sphere, and expanding the consortium network via communication. The concluding part of the report reviews situational points that are contextspecific to the consortium as a matter of consideration. The context-specific strategies aim to develop Asia Consortium into a thought leading organization that wields the scientific and financial clout to make impactful contributions to PEOR in Asia.

Since Asia Consortium is a member-driven organization, we hope you our members can help

us to make Vision 2020 even more powerful. Please review the preliminary version that was proposed by the founding members and send your inputs to asiaconsortium@ispor.org. Please let us know which areas are most necessary to pursue and what strategies will be most effective.

### **Meeting in Amsterdam**

Key opportunities for the Asia Consortium in- ISPOR Asia Consortium held its annual Euro-South Korea, Malaysia and Singapore.

View the meeting discussion and summary>>



From left to right: ISPOR President Adrian Towse, ISPOR President-Elect Daniel Malone, ISPOR CEO & Executive Director Nancy Berg, Asia Consortium Executive Committee Chair Yen-Huei Tarn and Asia Consortium Founding Member Isao Kamae



There were over 50 delegates from numerous countries in Asia that attended the meeting to share information on cutting edge health policy trends

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 



**ISPOR 7th Asia-Pacific** Conference 2016 Singapore



### **Conference** Support **Opportunities**

Corporate Support:

- Platinum Level: \$15,000
- Gold Level: \$10,000
- Bronze Level: \$5,000

Corporate Support benefits include:

- Recognition in the Conference Final Program & Schedule of Events
- Recognition at the Conference **Plenary Sessions**
- Recognition on the ISPOR website and Conference Signage
- Complimentary conference registration -(1 for Bronze)Level, 2 for Gold Level, and 3 for Platinum Level)

Educational Symposia:

Sponsored educational presentations (open to conference attendees)

• 5 slots remaining, first-comefirst-serve

Educational Roundtables: Sponsored half day/full day educational presentations (invitational)

- Health policy-related topics (i.e. pricing, reimbursement)
- Invitation-only attendees (health care administrators, HTA assessors, etc.)
- Hand-tailored presentation contents and presenters
- Top-notch management support

News Across Asia

### **ISPOR ASIA CONSORTIUM**

Leadership Elections for Asia Consortium ISPOR Asia Consortium Resources Working Committees

Working committees within ISPOR Asia Consortium are undergoing the nominations process for the 2014-2016 Chair-Elect positions. Members are welcome to provide recommendations or self nominate by sending correspondence to asiaconsortium@ispor.org. Working committees involved include the education, publication, industry, clinicians and HTA agencies and health care policymakers committees. View working committee members and leadership here.

### Support Opportunities for ISPOR 7th Asia-**Pacific Conference**

Numerous support opportunities are available for the ISPOR 7th Asia-Pacific Conference which will be held in Singapore 2016. Sponsored educational symposia are available upon a first-come-first serve basis, with 5 slots remaining. Additionally, there are sponsored educational roundtable opportunities available, which are closed door meetings which afford the sponsor the opportunity to choose its selected audience of health care decision makers. These educational roundtables were first unveiled at the ISPOR 6th Asia-Pacific Conference in Beijing, 2014, and were wildly popular. Featured forums from Beijing included:

- · Access Policy and Innovative Biologic Medicines in Asia
- Personalized Medicine on Colorectal Cancer and Economic Assessment
- Nutrition and Health Economics
- Broader Approaches to HTA: Strengthening Health Systems to Improve Patient Care

View the conference support opportunities here.

ISPOR Asia Consortium is pleased to announce the availability of new educational and outcomes research resources available on the Asia Consortium website:

### **ISPOR Distance Learning Modules**

ISPOR Distance Learning Module



"Patient Reported Outcomes -Analysis and Interpretation" has been translat-

ed into Chinese and accessible here.

### Access the full list of Chinese modules here>>

- Introduction to Pharmacoeconomics (药物经济学导论)
- Introduction to Outcomes Research (产出研究)
- Use of Public Survey Data in Health Outcomes Research (健康相关生存质量:基础)
- Health-Related Quality of Life (HRQOL) -Basics

(在卫生结果研究中使用公用调查数据)

• Introduction to Systematic Reviews & Meta-Analysis

(关于系统综述和荟萃分析的介绍)

• New! PRO: Analysis and Interpretation (患者 报告结果 - 分析与解读)

**New! ISPOR Good Practices for Outcomes Research Articles** 



Health Economic Evaluation Publica-

tion Guidelines - CHEERS has been translated into Japanese and is accessible here. » 日本語

-ADVERTISEMENT-

### Picture your advertisement here.

Want to advertise in News Across Asia? Send your inquiries to asiaconsortium@ispor.org

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 



### **ISPOR Regional Chapters / Networks in** Asia

HealthNetIndia Armenia Chapter Australia Chapter **Beijing Chapter** Chinese MDA-PE Chapter Hong Kong Chapter India Chapter India-Andhra Pradesh Chapter India-Karnataka Chapter India-West Bengal Chapter Indonesia Chapter Iran Chapter Israel Chapter Japan Chapter Jordan Chapter Kazakhstan Chapter Korea Chapter Kuwait Chapter Malaysia Chapter Mongolia Chapter New Zealand Chapter Pakistan Chapter **Philippines Chapter Qatar Chapter** Russia Far East Chapter Saudi Arabia Chapter Shanghai Chapter Singapore Chapter South China Chapter Taiwan Chapter **Thailand Chapter Turkish SCP Chapter** United Arab Emirates Chapter Viet Nam-Hanoi Chapter

West China Chapter

### **REGIONAL HEALTH POLICY UPDATES**

Strengthening Vital Statistics: **Policy Brief** 



(APO) has launched a Policy Brief on Strengthening Vital Statistics Systems. This policy brief examines gaps in fundamental health information in Asia that is necessary for evidence-based decision making and the key steps needed to improve data frameworks for better outcomes.

\*View the policy brief here. View APO website

### **Regional Health Policy** Updates

Information was taken from presentations during the Asia Consortium Business Meeting, ISPOR 17th European Congress, Amsterdam, The Netherlands

### Health Policy Updates in Hong Kong

Vivian WY Lee. BSc. PharmD. BCPS, ISPOR Hong Kong Chapter

The Government of the Hong Kong Special Administrative Region has started the consultation for the new voluntary of new medicines have been health protection (HPS). The objective of this new HPS is to relieve pressure nomics which has become offion the public health care system; to provide a choice for the of the Iranian Minister of middle class to use private Health. Hence, from April 2014, health care services; to mobilize all applications for registration private resources to provide of supplementary financing

health care; to safeguard con- accompanied with a complete sumer interests and to enhance pharmacoeconomics long term sustainability. implementation of HPS may medicines' supply, including impact the Health Technology registration, procurement, in-Assessment policy of Hong spection, quality control, and Kong in the future.

### A New Requirement for the **Registration of Pharmaceuti**cals and their Reimbursement in Iran

Shekoufeh Nikfar, PharmD, MPH, and Mohammad Abdollahi, PharmD, PhD, ISPOR Iran Chapter

ity of cost effectiveness. One of conducting economic evaluathe main activities to promote tion; describe a process of com-A national medicine list based submitting an application; proon strong evidence has a lot of vide an overview of the princi-Medicine List (NML). Tradi- forum which provides an objectionally, Iranian National Medi- tive review of the value of medcine Selecting decisions based on only efficacy information that is required. and safety of medicines. But, recently the criteria of selection scheme improved by analyzing cost effectiveness and pharmacoecocially active after the signature Israel Chapter new medicine/ for pharmaceuticals in Iran must be

analysis. The Similarly, all other process of post marketing surveillance are still in place. Moreover, the reimbursement and insurance processes can be done only for the medicines that have been accepted to be added to the national list.

The use of pharmacoeconomic evaluations is to establish whether a medicine represents It is generally accepted that new fair value for money. In terms medicines have the potential to of promoting transparency, the improve health outcomes but guideline has been trained in considering the impact of af- Iran's context. The objectives of fordability and access to medi- this guideline that has been escines by the patients led the tablished in October 2014 in policy makers to view the prior- Iran is to: create a standard for appropriate health service is the piling a submission; describe use of a suitable medicines list. the process to be followed when benefits and impact in health ples and methods to be applied; and economic conditions. Iran promote transparency regarding has already adapted a National the value of medicines; create a Committee icines; and ensure a common (IMSC) members used to make understanding of the criteria and

### Israel's Inter-hospital Electronic Communications Platform and New Breast Cancer Therapy

### Nicky Liebermann, MD, ISPOR

Computerized communication between hospitals and Health Maintenance Organizations (HMO) has been an effective

Volume 3 Number 3 Autumn 2014 (October-November)

### **ISSN 2308-1945**



### **REGIONAL HEALTH POLICY UPDATES**

tool for prevention of re-hospitalizations. munication and coordination with indus- ISPOR Regional Initiatives The MOH leads an agreement between try stakeholders. There is also a need for hospitals and HMO's, in order to lower re more time and human resources in the -hospitalizations. Pre-designed mation will be transmitted to hospitals Assessment (NIHTA). Data transferability about newly hospitalized patients. At dis- is also a challenge, with issues like praccharge, specially designed information tice patterns, decision rules, data models will be transmitted to the HMO, and in different countries, and local adaption "discharge nurses" will "ease" the conti- of global models playing an important nuity of therapy in the community, so that role in helping to localize CEA for rationthe medical results will be optimal.

The Intrabeam is a new therapy for breast cancer. About 20-30% of women with breast cancer with no nodal or metastatic involvement undergo radiation therapy for On the horizon for local pharmacoecoabout 25-30 sessions.

It has been introduced in all Clalit's hospitals intra-operative local irradiation so that no further radiation therapy is needed. It's less costly for the organization, better medical quality, and a more comfortable approach for the patient.

### HTA in Japan

### Naoko Tomita, MA, National Institute of Public Health, Saitama, Japan

Official discussion towards the introduction of HTA has been started at ministry committee level and trial implementation of HTA in 2016 is now under review. Intractable Disease Health Care Act was enacted in May 2014, which will be enforced January 2015, and the number of designated rare and intractable diseases eligible for financial assistance will be expanded from 56 to about 300 diseases under the new law.

### **HTA-related Health Policy Status in** Taiwan

### Yen-Huei (Tony) Tarn, PhD, MS, ISPOR Taiwan Chapter

With regard to pharmacoeconomic studies on the local level, Taiwan is undergoing the capacity-building phase, as it faces the from the treatment (Ex. shorter ICU/ challenges like unsatisfactory quality mostly on reporting, and a lack of com- plications).

infor- National Institute for Health Technology al decision making and facilitating the acceptance of global clinical data. Finally, there is a serious lack of local epidemiologic research and cost data.

> nomic research in Taiwan, mandatory cost effectiveness analysis will be considered by National Health Insurance Administration (NHIA), encouraging research to provide robust evidence in submissions. Ouestions of how to use the cost effectiveness analysis results will nonetheless remain, including how to fix the thresholds, and how variance affects conditions. Budget impact analyses are also undergoing changes in the process. The original BIA guideline was released in 2009, and a new submission dossier form was announced (Sep 29, 2014) by NHIA, which requires the BIA to include the impact on medical services as well.

> With regard to drug and health care budgets, it will be necessary to eliminate the discrepancies on the view for budget impact when the drug could save on other services, or the drug could induce usage of other services. Impact on services may also emerge due to different routes of treatment (Ex. Oral vs. injection), different processes of identifying eligible patient populations (Ex. extra gene testing is needed), different follow-up protocols (Ex. more frequent outpatient visits or testing, extra surveillance for AE), and changes of disease conditions resulting hospital stay, fewer ER visits, fewer com-

### **New! ISPOR South China Chapter**

The newest ISPOR China in Asia is the ISPOR South China Chapter, which was approved by the ISPOR Board of Directors in November. The Chapter is headguartered out of Jinan University, Guangzhou, China and recently held the 2nd South China Pharmacoeconomics Seminar in November. For more information, please view the ISPOR South China Chapter website

### **New ISPOR Student Chapters**

Five new ISPOR Student Chapters were established including ISPOR Bombay College Student Chapter (India), ISPOR Kerala University (KUHS) Student Chapter (India), ISPOR Jinan University Student Chapter (China), ISPOR Nazarbayer University Student Chapter (Kazakhstan), and Astana Medical University Student Chapter (Kazakhstan). For more information, please view the ISPOR Student Chapter website

### **Health Care Decision Making** Workshop in Australia

ISPOR Australia Chapter held a successful A workshop on Tuesday, 18 November 2014 titled "Risky Business: Decision Making in Health Care with Economic Uncertainty" in Deakin University, Melbourne City Center (100 attendees including key leaders from government, industry and academia). The Chapter's next workshop will be held on April 21, 2015 in Sydney and be on "Predicting Future Evidence." To view the presentations, go to ISPOR Australia Chapter.

### National Health Economics Seminar in India

ISPOR India-Andhra Pradesh Chapter will hold a National Level Seminar on Health Economics and Outcomes Research on Saturday, December 27, 2014. Abstracts for oral and poster presentations

### Volume 3 Number 3 Autumn 2014 (October-November)



### **ISPOR REGIONAL INITIATIVES**

are open and can be submitted to isporap@gmail.com by 10th ISPOR Arabic Network and ISPOR Africa Network December, 2014. For information and registration, go to ISPOR India-Andhra Pradesh Chapter.

### **PEOR Conference in Manipal, India**

ISPOR India-Karnataka Chapter will hold the annual Pharmacoeconomics and Outcomes Research Conference on 6-8 March 2015. Abstract submissions are open. For information and registration, go to ISPOR India-Karnataka Chapter.

### Lecture in Raipur, India

ISPOR India-West Bengal Chapter President, Dr. Subhash C. Mandal, delivered a lecture titled "Impact of Pharmacoeconomics in Health Care Sector: Regulatory Perspective" during the "International Conference on Frontiers in Pharmaceutical Science & Research" at Raipur, Chhattishgarh, India on October 11-12, 2014. For report on the lecture, go to ISPOR India-West Bengal Chapter.

### **ISPOR CHEERS Report Translated into Japanese**

ISPOR Japan Chapter translated ISPOR article CHEERS into Japanese. To view the translated article view here.

### **MEMBER-REPORTED NEWS**

### **Iran's Immunization Plan**

### Amir Viyanchi, Office of Budget, Hamedan University of Medical Sciences, Iran

Iran's vaccination program was extended with the Pentavalent (DPT+HB+HiB) from November 18, 2014 across Iran. Immunization is one of the most important preventive health actions in Iranian children's lives, as it provides protection against the most dangerous childhood diseases. Importing 5 million doses of the vaccine has started and cost of the total dose is estimated 620 billion IR (almost 19 million USD). Production of this vaccine is planned in the country during the next four years at the Pasteur Institute of Iran with collaboration from private domestic drug industries. The pentavalent vaccine is a combination of five vaccines in one: diphtheria, tetanus, whooping cough, hepatitis B and Haemophilus influenza type b (the bacteria that causes meningitis, pneumonia and otitis).

### **ISPOR Arabic and Africa Networks Joint Meeting**

Through face to face meetings, ISPOR Congress in Amsterdam provided an opportunity for many attendees from Western Asia and Africa to exchange ideas on collaborative initiatives. The conjoint ISPOR Arabic Network & ISPOR Africa Network meeting was where the structure and content of paper development on Ebola and health economics was closely discussed. More information on ISPOR Chapters and Networks: **ISPOR Regional Networks.** 



A strong representation of members from ISPOR Regional Chapters in Western Asia and Africa attended the conjoint ISPOR Arabic and ISPOR Africa Network meeting



Leadership shared health policy information and strategic planning at the ISPOR Africa and Arabic Networks joint meeting

### **Standard Treatment Guidelines Forum**

For the first time the ISPOR Arabic and ISPOR Africa Networks collaborated on presenting in an ISPOR Forum. The session titled: Standard Treatment Guidelines (STG's) And The Effect Of A Lack Of Implementation focused on discussing the lack of implementation of standard treatment guidelines across Africa and Western Asia.

### Quote on the ISPOR Regional Meetings in Amsterdam

Sessions were diversified, perhaps more so than in previous ISPOR meetings I have attended in the past. I found particularly interesting sessions relevant to policy making, offering a regulatory perspective. For the first time, we conducted a joint ISPOR Arabic and Africa Networks presentation, a result of hard work with our regional colleagues and International Development liaison at ISPOR" - Mahmoud Elmahdawy, PharmD, President, ISPOR Egypt Chapter and Chair-Elect, ISPOR Africa Network

Volume 3 Number 3 Autumn 2014 (October-November)

**ISSN 2308-1945** 

### CALL FOR NEWS

We welcome the following news items for <u>News Across</u> <u>Asia</u>:

### •HTA/Health Policies in Asia

Your insights on health care policy trends and updates of HEOR/HTA in Asia

•HE/OR Education in Asia HE/OR/HTA degree programs or training opportunities in Asia

## •Outcomes Research in Asia

Your insights on the recent status of HE/OR research in your country

### •Member Accomplishments

Your accomplishments in HEOR, i.e. articles/books published, scientific presentations made and your participations in the health care decision making process in your country

•ISPOR Asia Chapter Initiatives

•Letter to the Editors Your comments to the *News Across Asia* previous issues.

### SUBMIT ALL COMMENTS AND NEWS TO:

asiaconsortium@ispor.org

\*<u>News Across Asia content</u> submission form

### International Society for Pharmacoeconomics and Outcomes Research (ISPOR)

505 Lawrence Sq. Blvd. S. Lawrenceville, NJ 08648 T: +1-609-586-4981 F: +1-609-586-4982

Check us out on the web www.ispor.org



International Society for Pharmacoeconomics and Outcomes Research

**ISPOR** Asia Consortium

## JOIN ISPOR ASIA CONSORTIUM

Become a member of our growing organization and help make a positive impact on health outcomes in Asia. Joining is free, with opportunities to access our numerous resources and initiatives in the region through our platform:

•Over 700 members and Growing

- •8 active working committees
- •25 ISPOR Regional Chapters

### Stay informed on the numerous Asia Consortium initiatives:

## •Elections for 2014-2016 Chair-Elect of ISPOR Asia Consortium Working Committees

Elections will be held next year and we are still welcoming nominations of excellent candidates. Please send your recommendations and self-nominations to <u>asiaconsortium@ispor.org</u>

### •Value in Health Regional Issues Asia 2015

Full publication is scheduled for May 2015. <u>Please submit your manuscripts for consideration</u>. <u>View and download past issues' articles</u>

•ISPOR Asia Consortium meetings during the ISPOR 20th International Meeting Committee meetings will be held at the meeting in Philadelphia, PA, USA in May 2015

## Take advantage of our scientific resources:

- •Translated distance learning modules
- •Translated good practices for outcomes research articles
- •Health policy articles and policy briefs
- •Health policy system information and PE guideline index

Check out the ISPOR Asia Consortium homepage for more information: http://www.ispor.org/consortiums/asia.asp

Join ISPOR Asia Consortium





