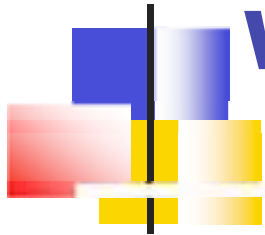




UNITED NATIONS
UNIVERSITY

**UNU- International Institute For Global Health
(UNU-IIGH)**

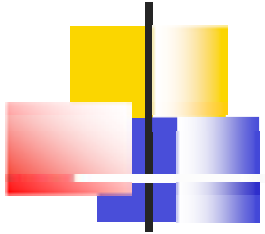


WHO-FIC Asia Pacific Network Meeting: Report of Morbidity Working Group

Syed Aljunid

**Professor of Health Economics and
Senior Research Fellow**

**UNU-International Institute For Global Health
Kuala Lumpur**



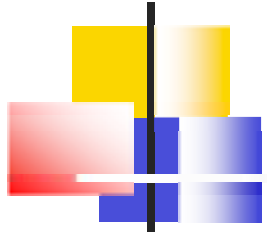
OUTLINE

- **Introduction**
- **Activities in 2007-2008**
- **Proposed Activities in 2009**
- **Recommendations**
- **Conclusions**



Introduction

- **Morbidity Group**
 - **Formed during WHO-FIC Asia-Pacific Meeting in Kyoto, Japan on 10-11 September 2007**
 - **Chair: Dr Syed Aljunid**
 - **Deputy Chair: Dr Sowerta Kosen**



Activities

- **Mostly to related to use of coded morbidity data for policy and decision making**
 - **Case-mix system**
- **Capacity building on Open Source Software in Healthcare**



Activities

- **Implementation of Case-Mix System**
 - **Indonesia**
 - **Mongolia**
 - **Malaysia**
- **International Centre for Case-Mix and Clinical Coding**
- **Workshop on Distant Learning Programme for Coding and Case-mix**
- **Morbidity Reference Group Mid-Year Meeting in Sweden**



Implementation of Case-Mix System in Indonesia-1

■ Objective

- Build capacities in implementation of case-mix system
- Implement case-mix system in pilot hospitals
- To utilise case-mix system for provider payment in Social Health Insurance for the Poor
- Development of INA-DRG
- Pilot project in 15 Major Hospitals
 - Teaching/Provincial Hospitals



Implementation of Case-Mix System in Indonesia-2

- **Organisations**
 - **UNU-IIGH**
 - **Technical and Financial Support for development of INA-DRG**
 - **National University of Malaysia**
 - **Coding Training**
 - **Department of Health Indonesia**
 - **Financial Support for Training Programme**
 - **ASKES**
 - **Users of INA-DRG**



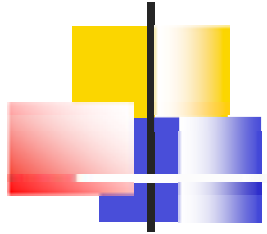
Implementation of Case-Mix System in Indonesia-3

- **Training Programme**
 - **Coders**
 - **Diagnosis and Procedure Coding**
 - **Clinicians and Nurses**
 - **Clinical Pathways**
 - **Hospital Managers/Financial Managers**
 - **Case-Mix Costing**
- **National Launching of INA-DRG**
 - **1st September 2008**



Case-mix Training in Indonesia





Implementation of Case-Mix System in Mongolia-1

- **Objective**
 - **Enhance local capacity to implement case-mix system**
 - **Refine locally developed Case-mix classification system: 22 Groups**
 - **Develop National tariff for National Health Insurance of Mongolia**



Implementation of Case-Mix System in Mongolia-2

- **Pilot Implementation in 5 Major Hospitals in Ulanbattar**
 - **State Central Hospital (544 Beds)**
 - **Shastin Central Hospital (400 Beds)**
 - **National Cancer Centre (170 Beds)**
 - **National Maternal and Child Research Centre (658 Beds)**
 - **National Trauma and Orthopaedics (420 Beds)**



Implementation of Case-Mix System in Mongolia-2

- **Organisations**
 - **Ministry of Health Mongolia**
 - **National Health Insurance Agency Mongolia**
 - **Asian Development Bank**
 - **United Nations University-IIGH**
 - **National University of Malaysia**



Implementation of Case-Mix System in Mongolia-3

- **Ten Training Workshops**
 - **Coding of Diagnosis-ICD 10**
 - **Coding of Procedures-ICD-9CM**
 - **Hospital Costing**
 - **Case-mix System**
 - **Development of National Tariff**
- **National Roll-out**
 - **January 2009**



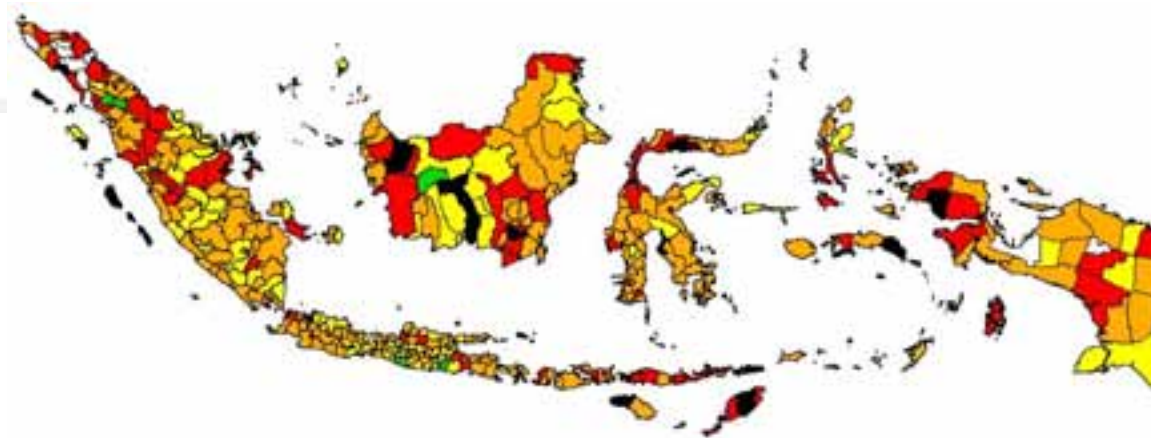
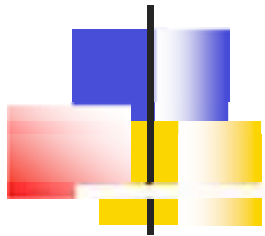
Mongolia



Case-mix Training in Mongolia

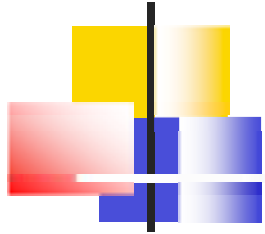


Morbidity & Disability Survey (Baseline Health Research) Indonesia 2007 - 2008

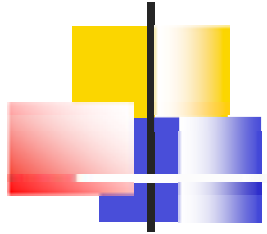


National Institute of Health Research & Development

Methods



- **Design: cross-sectional, using sample of National Socioeconomic Survey 2007**
- **Total sample: 280,000 households (1.1 million)**
- **Covering 33 provinces and 454 districts & cities**
- **Include morbidity and disability questions**
- **Anthropometric measurement**
- **Visual examination**
- **Blood and urine samples (15 % of urban samples)**
- **Morbidity: ICD-10**
- **Disability (≥ 15 years): ICF (World Health Survey Instrument)**



Morbidity

- **Respondents: all members of households aged 15 years or above**
- **History of illness in the last 4 weeks or in the last 12 months (chronic disease):**
 - **Diagnosed by health professional**
 - **Based on signs & symptoms**



Other Activities

- **International Centre for Case-Mix and Clinical Coding in Malaysia**
 - **June 2008**
 - **Funded by UNU-IIGH and UKM**
- **Morbidity Reference Group Mid-Year Meeting in Bjertorp, Sweden**
 - **26th Feb – 3rd March 2008**
- **Second International Case-Mix Conference**
 - **Bali Indonesia**
 - **4th – 5th August 2008**



2nd INTERNATIONAL CASE MIX CONFERENCE

August 2008, Bali - Indonesia

toward achieving equity and accessibility
in health care through case-mix



Supported by:



United Nations
University

International Institute For Global Health (UNU-IIGH)

**4th – 5th August
2008
Bali, Indonesia**



Other Activities

- **Workshop on Distant Learning Programme for Coding and Case-mix**
 - PCSI-Conference in Lisbon
 - October 2008
- **International Open Source Software in Healthcare Conference**
 - Co-organise by UNU-IIGH, USM and OSCHA
 - 23rd to 25th Nov. 2008

INCOSSH
2008

<http://bpio.amdi.usm.edu.my/incossh2008>

INTERNATIONAL CONFERENCE ON
**OPEN SOURCE SOFTWARE
IN HEALTHCARE**



**"BUILDING AND LEADING THE GLOBAL HEALTHCARE
SYSTEM THROUGH OPEN SOURCE SOLUTIONS"**

23rd-25th November 2008

BAYVIEW BEACH RESORT

Batu Ferringhi, Penang,
MALAYSIA

Your Investment
Local Participant

MYR 550

International Participant

USD 250

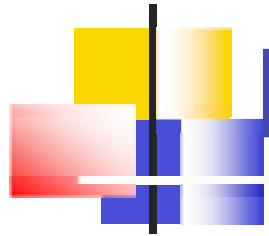
Organized by



With the cooperation of

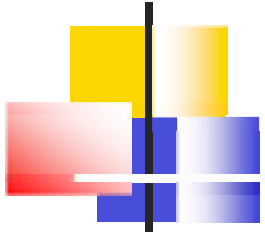


<http://bpio.amdi.usm.edu.my/incossh2008>



Propose Activities in 2009

- **International Conference on Case-Mix System**
- **Open-source Software in Healthcare Training Programme: Advance Diploma**
 - **OSCHA and UNU-IIGH**
- **Distant Learning Programme on Coding and Case-mix**

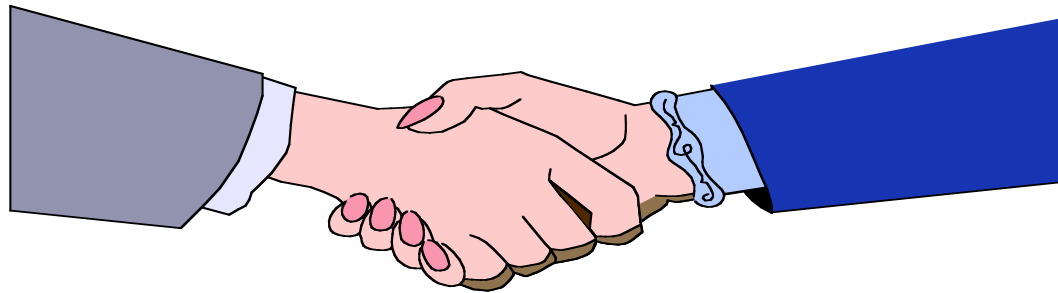


Recommendations

- **Homepage and e-group for WHO-FIC-Asia-Pacific Network**
- **Regular Meeting of Asia-Pacific Network during WHO-FIC Meeting**
- **Midyear meeting of Asia-Pacific Network before WHO-FIC Meeting**
- **Financial Support for Activities**



THANK YOU



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