<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Development of E-learning Programme for Case-Mix and Clinical Coding</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Institution</strong></td>
<td>United Nations University-International Institute For Global Health (UNU-IIGH)</td>
</tr>
<tr>
<td><strong>eLearning activity / project / programme</strong></td>
<td>Exercises on Diseases and Procedure Coding</td>
</tr>
<tr>
<td></td>
<td>Self-Assessment</td>
</tr>
<tr>
<td></td>
<td>Practical Session on Costing Technique</td>
</tr>
<tr>
<td></td>
<td>Lectures and Tutorial of Case-Mix Management</td>
</tr>
<tr>
<td><strong>Short Description</strong></td>
<td>Case-Mix System is a disease classification system which is used as a tool to improve efficiency and quality of delivery of health care services. Currently Case-mix is mostly used in developed countries as prospective provider payment mechanism in social insurance schemes.</td>
</tr>
<tr>
<td><strong>Target Group</strong></td>
<td>Clinical Coders, Medical Record Officers, Pharmacists, Hospital Financial Officers, Nurses and Nursing Managers, Healthcare Managers and Clinicians in Developing Countries</td>
</tr>
<tr>
<td><strong>Goals</strong></td>
<td>To provide accessible, affordable, continuous and high quality training programme to support implementation of case-mix system in developing countries</td>
</tr>
</tbody>
</table>
### Main strengths

- High demand for training programmes on Case-Mix in developing countries
- No other E-learning programme on Case-Mix and Clinical Coding are currently available globally
- UNU-IIGH and its partners have experience and technical capacity to conduct training

### Main challenges

- Courses should be made available in multiple languages: English/French/Spanish/Portuguese
- Different Case-Mix Classifications are being used in different countries
- Competition with Coding Centres using conventional modes of training
- Financial resource to develop and maintain the programme

### Partners

- International Case-Mix and Clinical Coding Centre
- Patient-Classification Systems International;
- WHO-Family of International Classification;
- International Hospital Federation
DEVELOPMENT OF CASE-MIX SYSTEM IN DEVELOPING COUNTRIES

- Disease & Procedure Codes
- Financial Data
- Costing System
- DRG Grouper
- CUSTOMISED Grouper
- NATIONAL TARIFF
- Case-Mix Index
- Cost-Weights
- Hospital Base Rate

Illustrations

Case-Mix In Mongolia
Future Plans

- Setting up regional Centre for Training
- Development of Open-Source Case-Mix Grouper

Additional Information

List of Courses:

- **Disease Coding**
  - Diagnosis Coding: ICD-10
  - Procedure Coding: ICD9CM
- **Costing Methodology**
  - Step-down Costing
  - Activity-based Costing
- **Clinical Pathways**
  - Development of Clinical Pathways
  - Application of Clinical Pathways
- **Case-mix Data Analysis**
  - Data Management
  - Data Analysis
- **Applications of Case-Mix System**
  - Medical Auditing
  - Hospital Budgeting

Contact person:
Professor Dr Syed Aljunid
Senior Research Fellow
United Nations University-International Institute For Global Health