## Table 1

Diagnosis-Related Group (DRG) Systems Used Internationally

<table>
<thead>
<tr>
<th>Name</th>
<th>Abbreviation</th>
<th>Country or Countries Where Used</th>
<th>ICD-10 Version Used</th>
<th>Description</th>
<th>Number of DRGs</th>
</tr>
</thead>
</table>
| All-Patient Diagnosis-Related Groups            | AP-DRG       | United States, Belgium, Bulgaria, Greece, Hong Kong, Kyrgyzstan, Mexico, Portugal, Russia, South Africa, Spain, Thailand | ICD-10-CM           | • Developed in 1995  
• Extension of HCFA-DRG to include all patients  
679  
670 in Portugal  
684 in Spain | 679  
670 in Portugal  
684 in Spain |
| All-Patient Refined Diagnosis Related Groups    | APR-DRG      | United States, Belgium                                                                           | ICD-10-CM           | • Developed in 1991  
• Base APR-DRGs merged from AP-DRGs according to age or secondary diagnosis  
• Subdivisions include severity of disease  
1,258 (316 base DRGs) | 1,258 (316 base DRGs) |
| Australian Refined Diagnosis-Related Groups     | AR-DRG       | Australia, Bosnia, Croatia, Fiji, Ireland, Lithuania, Macedonia, Moldova, New Zealand, Romania, Samoa, Serbia, Singapore, Spain, Turkey, Qatar | ICD-10-AM Croatia ICD-10 (Croatia) | • Developed in 1998  
• Extension of AN-DRG system  
661 (409 base AR-DRGs)  
665 in Macedonia, Croatia, and Romania | 661 (409 base AR-DRGs)  
665 in Macedonia, Croatia, and Romania |
| Australian Diagnosis-Related Groups             | AN-DRG       | Australia, Turkey                                                                                 | ICD-10-AM           | • Developed in 1992  
• Adapted from AP-DRG and R-DRG  
• Each AN-DRG has a list of co-morbidities  
667 | 667 |
| Case-Mix Groups Plus                            | CMG+         | Canada                                                                                            | ICD-10-CA           | • Developed in 2007  
• Extension of CMG  
• Categorizes patients by major clinical categories, on the basis of the most responsible diagnosis  
• Includes age, comorbidity level, intervention information, and resource intensity weights  
558 (base CMG+s) | 558 (base CMG+s) |
| Clinical Risk Groups                            | CRG          | United States                                                                                    | ICD-10-CM           | • Developed in the late 1990s  
• Classifies patients into severity-adjusted groups  
1,080 | 1,080 |
| Danish Diagnostic-Related Groups               | DkDRG (aka DRGdkk) | Denmark                                                                                       | WHO ICD-10          | • Developed in 2002  
• Extension of NordDRG  
• Adapted to be simpler with fewer groups  
717 | 717 |
<table>
<thead>
<tr>
<th>Diagnosis Procedure Combinations</th>
<th>DPC</th>
<th>Japan</th>
<th>WHO ICD-10 International Classification of Functioning, Disability, and Health (ICF)</th>
<th>Developed in 2002</th>
<th>2,700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnosis Treatment Combination</td>
<td>DBC (aka DOT)</td>
<td>Netherlands</td>
<td>WHO ICD-10 and Dutch coding lists</td>
<td>Developed in 2000 • Includes treatment for main diagnosis from first contact until last check-up</td>
<td>4,000</td>
</tr>
<tr>
<td>German Diagnosis-Related Groups</td>
<td>G-DRG</td>
<td>Germany, Sweden</td>
<td>ICD-10-GM</td>
<td>Developed in 2003 • Adaptation of AR-DRG</td>
<td>1,200 814 in Sweden</td>
</tr>
<tr>
<td>Ghana Diagnosis-Related Groups</td>
<td>G-DRG</td>
<td>Ghana</td>
<td>WHO ICD-10</td>
<td>Developed in 2007 • Objective to increase equitable care</td>
<td>546</td>
</tr>
<tr>
<td>Groupes Homogènes de Malades</td>
<td>GHM</td>
<td>France, Tunisia</td>
<td>WHO ICD-10</td>
<td>Developed in 1997 • Adaptation of HCFA-DRG and AP-DRG • Includes severity levels</td>
<td>2,300 332 in Tunisia</td>
</tr>
<tr>
<td>Healthcare Resource Groups</td>
<td>HRG</td>
<td>United Kingdom (England Northern Ireland, Scotland, Wales)</td>
<td>WHO ICD-10</td>
<td>Developed in 1991 • Classifies principally on main procedure</td>
<td>1,500</td>
</tr>
<tr>
<td>Homogén Betegség-Csoportok</td>
<td>HBC</td>
<td>Hungary</td>
<td>WHO ICD-10</td>
<td>Developed in 1987</td>
<td>796</td>
</tr>
<tr>
<td>Internationally Refined Diagnosis Related Groups</td>
<td>IAP-DRG</td>
<td>United States, Colombia, Romania</td>
<td>WHO ICD-10</td>
<td>Developed in 2000 • Aim to serve European market • Extension of previous International All Patient Diagnosis Related Groups • Uses ICD-10, but is not implemented in all countries</td>
<td>1,175</td>
</tr>
<tr>
<td>Jednorodne Grupt Pacjentów</td>
<td>JGP</td>
<td>Poland</td>
<td>ICD-10-PL</td>
<td>Developed in 2004 • Extension of HRGs</td>
<td>518</td>
</tr>
<tr>
<td>Leistungsorientierte Krankenanstaltenfinanzierung</td>
<td>LKF</td>
<td>Austria</td>
<td>ICD-10-BMSG</td>
<td>Developed in 1999 • Patients classified by main procedure or diagnosis and further classified</td>
<td>1,400</td>
</tr>
<tr>
<td>Nordic Diagnosis-Related Groups</td>
<td>NordDRG</td>
<td>Denmark (NordDRG/DAGS), Estonia (NordDRG Est), Finland (NordDRG Fin), Iceland, Latvia, Sweden</td>
<td>WHO ICD-10</td>
<td>Developed in 1996 • Adapted from the Finnish-based FinDRG and former HCFA-DRG</td>
<td>798 655 in Estonia 1,020 in Finland</td>
</tr>
<tr>
<td>Swiss Diagnosis Related Groups</td>
<td>SwissDRG</td>
<td>Switzerland</td>
<td>WHO ICD-10</td>
<td>Developed in 2005 • Adaptation of the G-DRG</td>
<td>1050</td>
</tr>
</tbody>
</table>
| United Nations University Casemix System | UNU-CBG | Malaysia, Chile, Indonesia, Iran, Mongolia, Philippines, United Arab Emirates, Uruguay, Saudi Arabia, Yemen | WHO ICD-10 | 32 base CBGs
|  |  |  | • Developed in 2009
• Open source to increase use in developing countries
• Case-based groups with severity and resource intensity levels | 112 refined CBGs |