PDF version

□□□□□□ □□□

Development of a method for classification of hospitals based on results of the diagnosis-related groups and the principle of case-mix index

ABSTRACT This research used DRGs and CMI to adjust medical waste production through the calculation of DRGs and CMI scores. These scores were used to assess the performances of teaching hospitals in Damascus. The linear correlations between these scores and the annual amount of waste and DRGs values were studied. The differences between the daily waste generations before and after the adjustment process were determined. Accordingly, the highest values of DRGs and CMI Scores were for the pediatric and Al Assad hospitals respectively. Among the teaching hospitals in Damascus, Al Assad has achieved the highest performance. Based on the results, the accuracy and homogeneity of medical waste generation rates were improved, which in turn leads to continuous improvement in the management of medical wastes.

□□□□□□□ □□□□□□□ □□□□□□ □□□□□□□ □□□□□□ □□□ □□□□□□□□□□ □□□□□□ □□□□□□ □□□ □□□□□□□ :□□□□□□□□ □□□□□□ □□□ □□□□□□□□□□ □□□□□□ □□□□□□ □□□□□ □□□ □□□□□ □□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□□□ □□□□□ □□□□□□□□□□ □□□□□□□□□□□ □□□□□ □□□□□ □□ □□□□□□□□ □□□□□ □□□□□□□□□□ □□□ .□□□□□□□ □□□□□□□ □□□□□□□ □□□□□ □□□ □□□ □□□□□□□□ □□□ □□□ □□ □□□□□□□ □□□□□□□□□□□ □□□□□□ □□□□□ .□□□□□ □□□□□□ □□ □□□□□□ □□□□□□□□□ □□□ □□□□□□ □□□□□□ □□□ .□□□□□□ □□□ □□□□□□□□□□ □□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□ □ □□□□□□ □□□ □□□□□□□□□□ □□□ □□□□□ □□□□□□ .□□□□□□ □□□□□□ □□□□□ □□□ □□□□□□□□ □□□□□□□□□ □□ □□□□□□□□□□ □□□□□□□□□□□□ □□□ □□□ .□□□□□□□□ □□□ □□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□ □□□□□□ □□ □□□ □□□□□□□□□ □□□ □□□□□□□ .□□□□□ □□□□□ □□□□□□ □□□□□□□ □□□ □□□□□□ □□□□□□ □□□□□□ □□ □□□□□□□□ □□□□□□□ □□□ □□□□□□ □□□□□ □□□ □□□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□□□ .□□□□□□□ □□□□□□□□□

Élaboration d’une méthode de classification des hôpitaux sur la base des résultats de groupes homogènes de diagnostic et du principe de l’indice de case mix

RÉSUMÉ La présente étude a eu recours aux méthodes de groupes homogènes de diagnostic et de l’indice de case mix pour ajuster la production de déchets médicaux en calculant les résultats des groupes homogènes de diagnostic et de l’indice de case mix. Ces résultats ont été utilisés pour évaluer les performances de centres hospitaliers universitaires à Damas. Les

corrélations linéaires entre ces résultats, la quantité annuelle de déchets et les valeurs des groupes homogènes de diagnostic ont été étudiées. Les différences entre les générations quotidiennes de déchets avant et après le processus d'ajustement ont été déterminées. Les valeurs les plus élevées de résultats pour les groupes homogènes de diagnostic et l'indice de case mix ont été respectivement enregistrées pour les hôpitaux pédiatriques et l'hôpital Al Assad. Ce dernier étant l'hôpital qui affiche les plus hautes performances parmi les centres hospitaliers universitaires de Damas. Sur la base de ces résultats, la précision et l'homogénéité des taux de génération de déchets ont pu être améliorées, ce qui conduit en retour à une amélioration continue de la gestion des déchets médicaux.

:[illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
(envirochrom@hotmail.com)

15/10/22 :[illegible] 14/10/14 :[illegible]

L. Aljerf, Faculty of Dentistry, University of Damascus, Damascus, Syrian Arab Republic.

[illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [

□□□□□□□ □□□□□□□□ □□□□□□□□□□□ □□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□ □□ □□□□□□□□□□ □□□□□□□□ □□□□□ □□□□□□□ □□□ □□ □□□□□□□ □□□□□□ □□□□□ □□□ □□□ □(7-8) □□□□□□□ □□□□□□□□□□ .(9) (□□□□□ □□□□□ □□□□□□ □□□□□□□) □□□□□□ □□□□□□□□ □□□ □□□□ □□□□ □□□□□□ □□□□□□□□□□□ □□□□□□ □□□□ □□ □□□□□□□□□□□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□ □□□□□□ □□□ □□□□□□□□ .□□□□□ □□□□□□□ □□□□□□ □□□□□ □□□□□ □□□□□□□□□□□ □□□□□ □□□□ □□□□□□□

□□□□□□□□□□ □□□□□□ □□□□□ □□ □□□□□ □□□ □□□□□□□□□□ □□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□ □□□ □□□□□□□□ □□□□ □□ □□□□□□□□□□ □□□□□□ □□□□ □□□ □□□□ □□□□□□ □□□□□□□ □□□ □□□□□□□□ .(10) .□□□□□□□ □□□□□□□ □□□□□□□ □□□□ □□□□□□□ □□□□□□ □□□□□ □□□□□□ □□□□□□□ □□□□□ □□ □□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□ □□□□□□ □□□□□ □□ □□□□□ □□□□□□□ □□□ □□□□□□ □□□□□□ □□□ □□□□□□□□□□ □□□□□□ □□□□□□□□□□ :□□□□□□□ □□□□□□□□□□ □□□ □□□□□ □□□□□□ .(11-12) □□□□□□□ □□□□□□□□□□□ □□□□□□□ □□□□□ □□□□□ □□ □□□□□□□□ □□□□□□ □□□□□ □□□□□ □□□□□ □□□□ □□□□□□ □□□□□□ □□□□□□□ □□□ □□□□□ □□□□ □□□□ □□□□□□ □□□□ □□□□□□□□□ .□□□□□□□ □□□□□□□□□□□ □□□□□□□ □□□ □□□ □□□□□ □□□□ .(13) □□□□□ □□□□□□□ □□□□□ □□□□□□□ □□□□□□□ □□□□□□ □□□□□□□□ DRGs □□□□□ □□□□□□ □□ □□□□□ □□□□ .□□□□□ □□□□□□ □□□□□□□□□□ □□□□□□□ □□□□□ □□□□ □□□□ □□□□□ □□□ □□□□ □□□□□□ □□□□□□ □□□□□ □□□ □□□ □□□□□□ □□□□ □□□□□□□ □□□□ □□□□□ DRGs □□□□ □□□□□□□ □□□□□□□ □□□ □□ □□□□□□ □□□□□□□ □□□ MDC □□□□□□□□ □□□□□□□ □□□□□□□□□□ □□□□□□ □□□□□□□ □□□ □□□□□ □□□ □□□□□□□□□□□ .□□□□□□□□ □□□□□□□□ □□□□□□□ □□□ □□□□□□□ □□□ □□□□ □□□□□□□□ □□□ .□□□□□□ □□□□□□□□□□□ □□□□□□□□□□ □□□□ □□ □□□□□□□ □□□□□□□ □□□ DRGs □□□ □□□□□□ □□□□ □□□□ .(14) □□□□□□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□□□ □□□□□□□ □□□□ □□□□□ □□□□□□ □□□□□□ □□□ □□□□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□□ □□□ □□□ □□□□□ .□□□□□□□ □□□□□□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□□□ □□□□□□□ □□□□□□ □□□□□□ □□ □□□□□□ □□ □□□□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□ □□□□□ DRGs □□□□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□□□□ □□□□□□□□□ □□□□□□ □□□ □□□□□ □□□□□ □DRGs □□□ □□□□□□ □□□□□ □□□□□□□□□□□□ .(11-12) □□□□□□□□□□□ □□□□□□□ □□□□□□□ □□ □□□□□□□ □□□ □□□□□□□ □□□□□ □□□□□□□□□ □□□□□□□□□□□□ □□□ □□□ □□□□□□□ □□□□□□ □□□□□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□□□ □□□ □□□□□□ □□□□□ □□ □□□□□□□ □□□□ □□□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□ □□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□□ □□□□□□□ □□□□□□□□□ □□ □□□□□□□ □□□□□□ □□ □□□□□□□□ □□□□□□□ □□□ □□□□□□ □□□□□□ □□ □□□□□ □□□□□□ □□□□□□□□□ □□□ □□□□□□□□ □□□ □□□□□□ □□□□□□□ □□□ □□□ □□□ .(14-15) □□□□□ □□□□□□ □□ □□□□□□□□□□□ □□□□□□□□□ □□□□□□ □□ □□□□□ □□ □□□□□□□ □□□□□□□□□ □□□□□□ □□□□ □□□□□□ "□□□□□□ □□□□" □□□□□□ □□□□ □□□□□□□ □□□□ □□ □□□□□□□□□ .(16) □□□□□□□□ □□ □□□□□ □□ □□□□□□□ □□□□□□□□ □□□□□ □□□□□□□ □□□□ □□□□□□□ □□□□ □□□□□□□□□ .(17) □□□□□ □□□□□□ □□ □□ □□□□□□□ □□□□□□□ □□□□□□□ □□□□ □□□□ □□□□□ □□□□□ "□□□□□□□ □□□□□□□" □□□□□ □□□□□□ □□□□ □□□□□□□□□□□□ □□ □□□□□□□ □□□□□□□□ □□□□□□ □□ □□□□□□□□□ □□ □□□□□□ □□□□ □□□□□□ .□□□□□□ □□□□ □□□□□□ □□ □□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□□ □□ □□□□□□□ □□□□□ □□□ □□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□ □□□□□ □□ □□□□□ .□□□□□□□□ .(18,19) □□□□□□□□□□□ □□□□ □□□□□□□□ □□□□□□□□

□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□ □□□□ □□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□ □□□□ □□□□□□□ □□□□ □□□□□□□ □□□□□ □□ □□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□ □□ □□ □□□□ □□ □□□□□□□□ □□□□□□□□□ □□□□□ □□□□□□□ □□□□□□□□□ □□□□ □□□□ □□□□□□ □□□□□□ □□□□ □□□□□□□□□□□ .□□□□□□□ □□□□□ □□□□□□□ □□□□□□□ □□□□□□ □□□□□□ □□□□ □□ □□□ □□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□ □□□□□□ □□ □□□□□□□ □□□□□□□□□

[illegible] .[illegible] [illegible] [illegible] [

[illegible]

[illegible]

[illegible] CMI [illegible] DRGs [illegible]

[illegible]

DRGs [illegible] CMI [illegible] (5) 2013 [illegible] (17) [illegible]

□□□□□□ □□□)/□□□□□□□ □□□□□□ □□□□□□□□ □□□□ = □□□□□□□ □□□□□□□□ □□□□□□
(1 □□□□□□□) (□□□□□ □□□□ □□□×□□□□□□□□ □□□□□□ □□□□ □□□□□□×□□□□□□□

□□ □□□□□□□□ □□□□□□ □□□□□□□□ □□□□□□ □□□□□ .□□□□□ 366 □□□□□ □□□□ □□□ □□□□□□ □□ (codes 10-ICD □ V18 Grouper DRGs □□□□□□□□) DRGs □□□ :□□□ □□□□□ □□□□□□□ □□□□□□□□□ □□□□□□□ □□□ □□□□□ □□ □□ □□□□□ (Software Care Critical 1.7 Exhibit □□□□□□□□) CMI □□□□□□ DRGs Score □□□□□□ □□□□□ CMI Score □□ □□□□□□□□□ □□□□□□□□□ (17-19):

□□□□ □□□□□□□□□□ □□□□□□ DRGs □□□□□ □□□□□/ DRGs □□□ = Score DRGs □□□□□ □□□□□
(2 □□□□□□□) .□□□□□□□

.□□□□□□ □□□□ □□□□□□□□□□ □□□□□□ CMI □□□□□ □□□□□ / CMI □□□□□ = Score CMI □□□□□ □□□□□
(3 □□□□□□□)

□□□□□□ □□□□□□ □□ □□□□□ □□ □□ □□□□□□ □□□□□ □□□□□□ □□□ □□□□□ □□□ □□ □□

(17-19):

□□□□□ /□□□□□□ □□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□ = □□□□□ □□□□□□ □□□ □□□□□
(4 □□□□□□□) .Score CMI □□□□□ □□□□□ × Score DRGs□□□□□

□□□□□□□□ ج□□□□□

□□□ □□ □□□□□□ □□□□□□ □□□□□□□ □□□□□□□□ □□ □□□□□□□ □□□□□□ □□□□□ □□□□□□□(1) □□□ □□□□□□ □□□□□ □□□□□ □□□ □□□□□□□□□ □□□□ □□□□□□ □□□□□□□ □□□□□ □□□□□□ 500□ □□□□□ □□□□□□ □□ □□□□ □□□□ □□□□□□ 100 □□□ □□ □□□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□□ □□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□ □□ □□□□□ □□ □□□□ □□□ .□□□□ □□□□□ □□ □□□□□□□□□ □□□□□□□□□ □□□□ □□ □□□□□□□□□ □□□□ □□□□□□ □□□□□

[illegible] (1) [illegible] 820 40 [illegible] 6 [illegible] 214061 [illegible] 363163 500 [illegible] 0.516 [illegible] 0.779 0.030 [illegible] 6 [illegible] (2) [illegible] [illegible] 393 [illegible] 575 10 [illegible] DRGs 3 580 [illegible] 485 [illegible] 6 [illegible]. [illegible] DRGs [illegible] DRGs [illegible] [illegible] [illegible]

[illegible] (3) [illegible] [illegible] 1.197 0.006 [illegible] Score DRGs [illegible] [illegible] [illegible] [illegible] 1.648 0.009 [illegible] Score CMI [illegible] [illegible] [illegible] [illegible] 6 [illegible] 1.000 [illegible] 0.973 0.195 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 6 [illegible] 1.000 [illegible] .[illegible]/[illegible] [illegible]/[illegible] 0.495 [illegible] [illegible] [illegible] 6 [illegible]

DRGs [illegible] [illegible] [illegible] [illegible] Score DRGs [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] .CMI [illegible] [illegible] [illegible] Score CMI [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Score CMI [illegible] Score DRGs [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] (1) [illegible] [illegible] [illegible] 2 r = 0.998 [illegible] [illegible] [illegible] 2 r =0.999 [illegible] [illegible] [illegible] [illegible] [illegible] DRGs [illegible] [illegible] [illegible] [illegible] [illegible] .(2) [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] (0.146-,0.194) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] .[illegible]/[illegible] [illegible]/[illegible] 0.495 [illegible] [illegible] [illegible] [illegible] [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] CMI DRGs CMI DRGs [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Score Score) [illegible] [illegible] [illegible] (3).

DRGs [illegible] [illegible] [illegible] [illegible] .[illegible] [illegible] [illegible] Score DRGs DRGs [illegible] [illegible] [illegible] Score (1.197) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] DRGs Score (1.41,1.15) [illegible] [illegible] 5000 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

□□□□ □□□□□□ □□□□□□□□ □□□□□ □□□ □□□□□□ □□□□□□ □□ □(□□□□□ □□□□□□ □□ □□□□□□ □□□□□□□□ □□□ □□ □□□□□□ □□□□□□ □□□□□ □□□□ □□□□□□□ □□□□□□ □□□□□□□□ □□□ %7□ %21 □□□□□□ □□□□□□□□ □□□□□□ □□□□□ .(2) □□□ □□□□□□ □□ □□□□ □□□□□ □□□□□□ □□ □□□□□□□□□□ □□□□□□□□□□ 1.3 □□□□□□ □□□□□□□□ □□□□□□ □□□ (□□□□□ □□□□□□ □□□□ %50) □□□□ □□□□□□ □□□□ □□□□ □□□□ .□□□□□ □□□ □□□□□ □□ □□□□□□ □□□□□□□ □□ □□□□□□□ □□□□□□ □□□□□□□□□□ □□□□□ □□□□□ □□ □□□ □□□□□□ □□□□□□ □□□ □820 □□□□ □□□□ □□□□□□□□□□ □□□ □□□□ □□□□□□□□ □□□□□□ □□ □□ □□□□□□□ □□□□□ □□□□□□□□ □□ □□ □□□□□ □□ %56.4 □%49.2 □%43.9 □□□ □□□ □□□□□ □□□□□□ □□□□□□□□ □□□□□□ □□□□□□ □□□ □□□ □□ □□□□ □□□□□□□□ □□□ □□□□□□□□ □□□□ □□□□□□□□□□ □□□□□□□□ □□□□□□□ □□□ □□□ □□□ .□□□□□ □□□□□ □□□□□□□□□ (3) □□□ □□□□□ □□ %15 □□□□□ □□ □□□□□□ □□□□□□□□□ □□□□ □□□□□ 572 □□□□□ □□□□□□ 651 □□□□□ □□□□□ □□□□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□ □□□□□□□□□□□ □□ □□□□□□ □□□□□□□□ □□ %51) □□□□□□□ □□□□□□□□ □□ □□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□ □□□□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□ Score CMI □□□□□ □□□□□ □□□□□ □□□□□ (□□□□□ □□□□□□□ □□□□□□ □□ □□□□□□ □□□□□□□ □□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□ □%35 □□□□□ □□ □□□□□ □□□□□□□ 500 □□□□ □□ □□□□□□□ □□ □□□□□□□□ □□□□ □□□□ □□□□□ □□ □□□□□□□ □□□□ .□□□□□ □□□□□□ .□□□□□□□□ □□□□□□□□ □□□□□ □□□□□ □□□□□□□ □□□□□ □□□□□□□□□

ع□□□□□□□□

□□□ □□□□□ □□ □□□□□□□□ □□□□□□□ □□□□□□□□□□□ □□ □□□□□□□ □□□□□□□□□ □□□□□ □□□□□ □□□□□ □□□□□ □Score CMI □□□□□□□ □□□□□□□ □□□□□□□ Score DRGs □□□□□□ □□□□ □□□□□□□□□□ □□□□□□ □□□□□ □□□□□ □□□ □□□□□□□□ □□□□□□□□□ □□□□□ □□□□□ □□□□□ □□□□□□□□□ □□□ □□□□□ □□□□□□□□□ □□□ □□□□□ □□□ □□□□□ □□□□□□□□□ □□□□□□ □□□ □□ □□□□□□□□ □□□□□□□ □□□□ □□□□□ □□□ □□□□□□□ □□□□□□□□ □□ □□□□□□□□ .□□□□□□□

□□□□□□□□□

□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□ □□□□ □□□□□ DRG □□□□□□ □□□□□□□ □□□□□□□□ □□□□ □□□□□ □□□□□□□□□□□□ CMI □□□□□□ □□□□ □□□□□ □□ □□□□□□ □□ □□□□□□ □□□□□ □□□□ □□□□□□□□□□□ □□□□ □□□□□□ □□□□ □□ □□□□□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□□□□□□□□□ □□ □□□□□□□□□ □□□□□□□□□□□ □□□□□□□□ □□□□□□ □□□□□□□□ □□□□□□ □□□□□□ □□□□□□ □□□□ □□□□□ □□□□ .□□□□□□□□ CMI □□□□□□□ □□□□□□□ □□□□□ □□□□ □□□ □□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□ □□□ □□□□□ □□□□□□ □□□□ □□□□□□□ □□□□ □□□□ □□□□□ □□□□□□□□□□□□ □□ □□□□□□□ □□□□□ □□□□□□□ □□□□□□□ □□□□□□ □□□□ □□□□□□□□□□□ □□□□□□□ □□□□□□□ □□□□ □□ □□□□□□□□□ □□□□□□□□□ □□□□□□ □□□□ □□□□□□□□□□□ □□□□ □□□□ □□□□□□□ □□□□□□□ □□□□□ □□□□□□ □□□□ □□ □□□□□□□ □□□□□ □□ □□□□□□ □□□□□ □□□□□□□□□ □□□□□□□ □□□□□□□ □□□□□ □□□□□ □□□□□□□ □□□□□□□□□□□□ □□□□□□ □□□□□□□ □□□□ □□□□□□□□□ .□□□□□□□ □□□□□□□□□ □□□□□□ □□□□□□□ □□□□□□ □□□□ □□□□□□ □□□□□□ □□□□□□ □□□□□□□□□

□□□□□□□□

1. Medical waste management. Geneva: International Committee of the Red Cross; 2011.
2. Karliner J, Guenther R. The Global green and healthy hospitals agenda. Reston: Health Care Without Harm; 2011 (https://noharm-europe.org/sites/default/files/documents-files/2040/GGHHA-En.pdf, accessed 5

May 2016).

3. Emmanuel J, Stringer R. For proper disposal: A global inventory of alternative medical waste treatment technologies. Arlington: Health Care Without Harm; 2007.

4. Practical guide for optimising the disposal of hospital waste. Freiburg: Institute for Environmental Medicine and Hospital Hygiene; 2000.

5. Safe management of wastes from health-care activities. Geneva: World Health Organization; 2013.

6. Cheng YW, Sung FC, Yang Y, Lo YH, Chung YT, Li KC et al. Medical waste production at hospitals and associated factors. Waste Manag. 2009; 29(1):440–4.

7. Komilis D, Fouki A, Papadopoulos D. Hazardous medical waste generation rates of different categories of health-care facilities. Waste Manag. 2012; 32(7):1434–41.

8. Debere MK, Gelaye KA, Alamdo AG, Trifal ZH. Assessment of the health care waste generation rates and its management system in hospitals of Addis Ababa, Ethiopia. BMC Public Health. 2013; 13:28.

9. Muhwezi L, Kaweesa P, Kiberu F, Eyoku ILE. Health Care Waste Management in Uganda -A Case Study of Soroti Regional Referral Hospital. Int J Waste Manage and Technol. 2014; 2(2):1–12.

10. Ginny M. MS-DRG Journey: How one hospital joined together to successfully implement MS-DRGs. J AHIMA. 2008; 79(4):70–2.

11. Ron M. Estimating the impact of the transition to ICD-10 on Medicare inpatient hospital payments. Baltimore: Center for Medicare and Medicaid Services; 2013 (http://cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/meetings.html, accessed 23 April 2013).

12. ADH. Clinical casemix handbook 2011-2012. Perth: Department of Health, State of Western Australia; 2011.

13. Mathauera I, Wittenbecherb F. Hospital payment systems based on diagnosis-related groups: experiences in low- and middle-income countries. Bull World Health Organ. 2013; 91(10):746–56.

14. Street A, Kobel C, Renaud T, Thuilliez J. On behalf of the EuroDRG group: How well do Diagnosis Related Groups explain variations in costs or length of stay among patients and across hospitals? Methods for analysing routine patient data. Health Economics. 2012; 21(2):6–18.

15. Muo-ning G, Xian L. Basic requirements for hospital performance evaluation based on DRGs. Chin J Hosp Admin. 2011; 27:870–3.

16. Mei-Liang H, Zhen L, Feng H, Jian-Chang W. Application of BJ-DRG in public welfare appraisal of military hospital. Hosp Admin J Chin PLA. 2012; 19:971–3.

17. Rui Z, Zhong-Qiang C, Chang-xiao J. DRGs related index applications in hospital performance review system. Chinese Hosp Manag. 2011; 31(2):1–10.

18. Kagonji IS, Manyele SV. Analysis of the measured medical waste generation rate in Tanzanian district hospitals using statistical methods. Afr J Envi Sci Technol. 2011; 5(10):815–33.

19. Patwary MA et al. Quantitative assessment of medical waste generation in the capital city of Bangladesh. Waste Manage. 2009; 29(8):2392–7.

20. Jian W, Huang Y, Hu M, Zhang X. Performance evaluation of inpatient service in Beijing: a horizontal comparison with risk adjustment based on Diagnosis Related Groups. BMC Health Serv Res. 2009; 9:72.

21. Standard for Alternative Treatment Technologies for Disposal of Medical Waste. Washington: United States Occupational Safety and Health Administration; 2002 (BSR/UL 2334).

22. Wynn BO, Beckett M, Hillborne L, Scott M, Bahney B. Evaluation of severity-adjusted DRG systems. Santa Monica (CA): RAND Corporation, Addendum to the Interim Report; 2007.

23. Mateus C, Joaquim I, Nunes C. On DRG costs and Efficiency. 4th Workshop on Economics and Health Policy. Evora: Portuguese Association of Health Economics; 2012.

24. Carter GM, Newhouse JP, Relles DA. How much change in the case mix index is DRG creep? Health Econ.1990; 9(4):411–28.

25. Cleverley WO, Song PH, Cleverley JO. Essentials of health care finance. 7th edition. Sudbury, MA: Jones and Bartlett Learning LLC; 2011.

26. Steinwald B, Dummit LA. Hospital case-mix change: sicker patients or DRG creep? Health Affairs.1989; 8(2):35–47.

27. Osborn CE. Statistical applications for health information management. 2nd edition. Sudbury, MA: Jones and Bartlett Publishers; 2005.

Thursday 11th of July 2024 01:09:44 PM