Documentation for the RUG-IV CMIs:
Logic Version 1.01
July 1, 2011

DRAFT DOCUMENTATION NOTICE:

This version of the RUG-IV grouper implements all of the classification methods and proposed policy changes published on May 6, 2011 in the SNF Proposed Rule for FY2012 (Publication No. CMS-1351-P). This version of the grouper will not be implemented unless all of these classification methods and proposed policy changes are included without revision or addition in the SNF Final Rule to be published in August 2011.

Until the final SNF Rule for FY2012 is published in August 2011, the CMIs to use for Medicare Part A classification for FY2012 cannot be determined. After publication of the final rule, the CMIs to use for FY2012 will be published.

RUG-IV CMIs

Five standard CMIs sets are available for index maximizing classification with Logic Version 1.01 of the RUG-IV Grouper. The CMI values for the CMI sets are provided in two separate documents: "RUGIV CMI doc V1.01 yyyymmdd.pdf" (the current document) and "RUGIV CMI sets V1.01 yyyymmdd.csv", where "yyyymmdd" represents the publication date.

The CMI five sets and their standard usage are as follows:

- **Set E01.** This is the SNF PPS set that went into use for *rural* facilities in the Medicare Part A program for FY2011. Set E01 is appropriate to the 66-group model and is based upon the national average rural total payment rates (in descending order) for FY 2011. This set is used for Medicare Part A residents in rural facilities to index maximize to insure that the payment for the resident is at the highest appropriate rate. These CMIs are integer rankings of the groups based on the total Medicare rate.

- **Set E02.** This is the SNF PPS set in use for *urban* facilities in the Medicare Part A program for FY2011. Set E02 is appropriate to the 66-group model and is based upon the national average urban total payment rates (in descending order) for FY 2011. This set is used for Medicare Part A residents in urban facilities to index maximize to insure that the payment for the resident is at the highest appropriate rate. These CMIs are integer rankings of the groups based on the total Medicare rate.

- **Set F01.** This is a set for the 48-group model based on national estimates of nursing staff time from the STRIVE staff time study. States using RUG-IV for Medicaid payment can opt to use this set for 48-group index maximized classification based on nursing time only.

- **Set F02.** This is a set for the 57-group model based on national estimates of nursing staff time from the STRIVE staff time study. States using RUG-IV for Medicaid payment can opt to use this set for 57-group index maximized classification based on nursing time only.

- **Set F03.** This is a set for the 66-group model based on national estimates of nursing staff time from the STRIVE staff time study. States using RUG-IV for Medicaid payment can opt to use this set for 66-group index maximized classification based on nursing time only.

Table 1 presents the CMIs for the E01, E02, F01, F02, and F03 CMI sets.

Table 1. RUG-IV Case Mix Index (CMI) Sets

Group Number	Group Code	CMI Values				
		Set E01	**Set E02**	**Set F01**	**Set F02**	**Set F03**
		SNF PPS Rural	**SNF PPS Urban**	**48-GRP NURS ONLY**	**57-GRP NURS ONLY**	**66-GRP NURS ONLY**
1	RUX	66	66	0.00	0.00	2.98
2	RUL	65	65	0.00	0.00	2.87
3	RVX	64	64	0.00	0.00	2.92
4	RVL	62	62	0.00	0.00	2.45
5	RHX	63	63	0.00	0.00	2.85
6	RHL	57	59	0.00	0.00	2.40
7	RMX	61	61	0.00	0.00	2.75
8	RML	56	56	0.00	0.00	2.45
9	RLX	55	55	0.00	0.00	2.52
10	RUC	60	58	0.00	1.79	1.74
11	RUB	59	57	0.00	1.79	1.74
12	RUA	53	52	0.00	1.11	1.11
13	RVC	54	54	0.00	1.69	1.68
14	RVB	50	50	0.00	1.31	1.24
15	RVA	49	49	0.00	1.24	1.23
16	RHC	51	51	0.00	1.69	1.61
17	RHB	47	45	0.00	1.37	1.33
18	RHA	40	37	0.00	1.02	1.02
19	RMC	45	46	0.00	1.65	1.52
20	RMB	42	41	0.00	1.49	1.36
21	RMA	30	24	0.00	0.94	0.94
22	RLB	44	44	0.00	1.67	1.67
23	RLA	13	13	0.00	0.79	0.79
24	ES3	58	60	3.00	2.98	2.98
25	ES2	52	53	2.23	2.22	2.22
26	ES1	48	48	2.22	1.93	1.93
27	RAE	0	0	1.65	0.00	0.00
28	RAD	0	0	1.58	0.00	0.00
29	RAC	0	0	1.36	0.00	0.00
30	RAB	0	0	1.10	0.00	0.00
31	RAA	0	0	0.82	0.00	0.00

Group Number	Group Code	CMI Values				
		Set E01	Set E02	Set F01	Set F02	Set F03
		SNF PPS Rural	SNF PPS Urban	48-GRP NURS ONLY	57-GRP NURS ONLY	66-GRP NURS ONLY
32	HE2	46	47	1.88	1.88	1.88
33	HE1	36	36	1.47	1.47	1.47
34	HD2	43	43	1.69	1.69	1.69
35	HD1	34	34	1.33	1.33	1.33
36	HC2	39	40	1.57	1.57	1.57
37	HC1	27	28	1.23	1.23	1.23
38	HB2	38	39	1.55	1.55	1.55
39	HB1	26	27	1.22	1.22	1.22
40	LE2	41	42	1.61	1.61	1.61
41	LE1	31	31	1.26	1.26	1.26
42	LD2	37	38	1.54	1.54	1.54
43	LD1	25	26	1.21	1.21	1.21
44	LC2	33	33	1.30	1.30	1.30
45	LC1	18	18	1.02	1.02	1.02
46	LB2	24	25	1.21	1.21	1.21
47	LB1	15	15	0.95	0.95	0.95
48	CE2	35	35	1.39	1.39	1.39
49	CE1	29	30	1.25	1.25	1.25
50	CD2	32	32	1.29	1.29	1.29
51	CD1	22	22	1.15	1.15	1.15
52	CC2	20	20	1.08	1.08	1.08
53	CC1	17	17	0.96	0.96	0.96
54	CB2	16	16	0.95	0.95	0.95
55	CB1	12	12	0.85	0.85	0.85
56	CA2	8	8	0.73	0.73	0.73
57	CA1	6	6	0.65	0.65	0.65
58	BB2	10	10	0.81	0.81	0.81
59	BB1	9	9	0.75	0.75	0.75
60	BA2	4	4	0.58	0.58	0.58
61	BA1	3	3	0.53	0.53	0.53
62	PE2	28	29	1.25	1.25	1.25
63	PE1	23	23	1.17	1.17	1.17
64	PD2	21	21	1.15	1.15	1.15
65	PD1	19	19	1.06	1.06	1.06
66	PC2	14	14	0.91	0.91	0.91
67	PC1	11	11	0.85	0.85	0.85
68	PB2	7	7	0.70	0.70	0.70
69	PB1	5	5	0.65	0.65	0.65
70	PA2	2	2	0.49	0.49	0.49
71	PA1	1	1	0.45	0.45	0.45
72	AAA	1	1	0.45	0.45	0.45