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**State/Territory Name: OH**

**State Plan Amendment (SPA) #: 16-012**

This file contains the following documents in the order listed:

- 1) Approval Letter
- 2) CMS 179 Form/Summary Form (with 179-like data)
- 3) Approved SPA Pages

**OCT 14 2016**

John McCarthy, Medicaid Director  
Office of Ohio Health Plans  
Ohio Department of Medicaid  
P.O. Box 182709  
50 West Town Street, Suite 400  
Columbus, Ohio 43218

RE: Ohio State Plan Amendment (SPA) 16-012

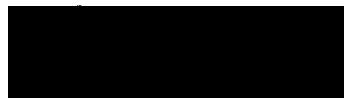
Dear Mr. McCarthy:

We have reviewed the proposed amendment to Attachment 4.19-D of your Medicaid State plan submitted under transmittal number (TN) 16-012. Effective March 1, 2016, this SPA modifies provisions in Attachment 4.19-D, Supplement 1 to align with recent legislation adopted under Amended Substitute House Bill 64 of the 13151 Ohio General Assembly to implement the RUG IV system in nursing facilities.

We conducted our review of your submittal according to the statutory requirements at sections 1902(a)(2), 1902(a)(13), 1902(a)(30), and 1903(a) of the Social Security Act and the regulations at 42 CFR 447 Subpart C. We hereby inform you that Medicaid State plan amendment 16-012 is approved effective March 1, 2016. We are enclosing the HCFA-179 and the amended plan pages.

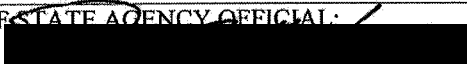
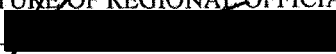
If you have any questions, please contact Fred Sebree at (217) 492-4122 or [Fredrick.sebree@cms.hhs.gov](mailto:Fredrick.sebree@cms.hhs.gov).

Sincerely,



Kristin Fan  
Director

Enclosure

|                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>TRANSMITTAL AND NOTICE OF APPROVAL OF STATE PLAN MATERIAL</b>                                                                                                                                                                                                                                                                                                                                                                                             |  | 1. TRANSMITTAL NUMBER:<br><b>16-012</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. STATE<br><b>OHIO</b> |
| <b>FOR: CENTERS FOR MEDICARE AND MEDICAID SERVICES</b>                                                                                                                                                                                                                                                                                                                                                                                                       |  | 3. PROGRAM IDENTIFICATION: TITLE XIX OF THE SOCIAL SECURITY ACT (MEDICAID)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |
| TO: REGIONAL ADMINISTRATOR<br>CENTERS FOR MEDICARE & MEDICAID SERVICES<br>DEPARTMENT OF HEALTH AND HUMAN SERVICES                                                                                                                                                                                                                                                                                                                                            |  | 4. PROPOSED EFFECTIVE DATE<br><b>March 1, 2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |
| 5. TYPE OF PLAN MATERIAL (Check One):                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| <input type="checkbox"/> NEW STATE PLAN <input type="checkbox"/> AMENDMENT TO BE CONSIDERED AS NEW PLAN <input checked="" type="checkbox"/> <b>AMENDMENT</b>                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| COMPLETE BLOCKS 6 THRU 10 IF THIS IS AN AMENDMENT (Separate Transmittal for each amendment)                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 6. FEDERAL STATUTE/REGULATION CITATION:<br>Section 1902(a)(13)(A) of the Social Security Act<br>Section 1902(a)(30)(A) of the Social Security Act<br>42 C.F.R. Part 447.205<br>42 C.F.R. Part 483.20                                                                                                                                                                                                                                                         |  | 7. FEDERAL BUDGET IMPACT:<br>a. FFY 2016 \$10,000 thousands<br>b. FFY 2017 \$40,200 thousands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |
| 8. PAGE NUMBER OF THE PLAN SECTION OR ATTACHMENT:<br><br><u>Attachment 4.19-D, Supplement 1:</u><br>Section 001.8.1, page 1 of 1 <b>NEW</b><br>Section 001.8.2, pages 1-2 of 2 <b>NEW</b><br>Section 001.8.2 Appendix A, page 1-2 of 2 <b>NEW</b><br>Section 001.8.3, pages 1-2 of 2 <b>NEW</b><br>Section 001.8.4, page 1 of 1 <b>NEW</b><br>Section 001.8.4 Appendix A, pages 1-2 of 2 <b>NEW</b><br>Section 001.8.4 Appendix B, pages 1-4 of 4 <b>NEW</b> |  | 9. PAGE NUMBER OF THE SUPERSEDED PLAN SECTION OR ATTACHMENT (If Applicable):<br><u>Attachment 4.19-D, Supplement 1:</u><br>Section 309.30.25.000, pages 1-3 of 3 (TN 10-001) <b>DELETE</b><br>Section 5111.231.001, pages 1-6 of 6 (TN 10-002) <b>DELETE</b><br>Section 5111.232.000, pages 1-4 of 4 (TN 09-024) <b>DELETE</b><br>Section 5111.232.001, pages 1-8 of 8 (TN 10-002) <b>DELETE</b><br>Section 5111.232.001 Appx. A, pages 1-38 of 38 (TN 10-002) <b>DELETE</b><br>Section 5111.232.001 Appx. B, pages 1-27 of 27 (TN 10-002) <b>DELETE</b><br>Section 5111.232.001 Appx. C, pages 1-8 of 8 (TN 10-002) <b>DELETE</b><br>Section 5111.232.001 Appx. D, pages 1-33 of 33 (TN 10-002) <b>DELETE</b><br>Section 5111.232.001 Appx. E, pages 1-33 of 33 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002, pages 1-24 of 24 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002 Appx. A, pages 1-2 of 2 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002 Appx. B, page 1 of 1 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002 Appx. C, page 1 of 1 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002 Appx. D page 1 of 1 (TN 10-002) <b>DELETE</b><br>Section 5111.232.002 Appx. E, page 1 of 1 (TN 10-002) <b>DELETE</b><br>Section 5111.27.002, pages 1-8-of 8 (TN 10-002) <b>DELETE</b><br>Section 5111.27.002 Appx. A, pages 1-3 of 3 (TN 07-004) <b>DELETE</b><br>Section 5111.27.002 Appx. B, pages 1-4 of 4 (TN 07-004) <b>DELETE</b> |                         |
| 10. SUBJECT OF AMENDMENT: Payment for services: Nursing facility services – Case Mix Payment System                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 11. GOVERNOR'S REVIEW (Check One):                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| <input type="checkbox"/> GOVERNOR'S OFFICE REPORTED NO COMMENT<br><input type="checkbox"/> COMMENTS OF GOVERNOR'S OFFICE ENCLOSED<br><input type="checkbox"/> NO REPLY RECEIVED WITHIN 45 DAYS OF SUBMITTAL                                                                                                                                                                                                                                                  |  | <input checked="" type="checkbox"/> <b>OTHER, AS SPECIFIED:</b><br>The State Medicaid Director is the Governor's designee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |
| 12. SIGNATURE OF STATE AGENCY OFFICIAL:                                                                                                                                                                                                                                                                                                                                   |  | 16. RETURN TO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |
| 13. TYPED NAME: <b>JOHN B. McCARTHY</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Carolyn Humphrey<br>Ohio Department of Medicaid<br>P.O. BOX 182709<br>Columbus, Ohio 43218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |
| 14. TITLE: <b>STATE MEDICAID DIRECTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 15. DATE SUBMITTED: <b>March 31, 2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| <b>FOR REGIONAL OFFICE USE ONLY</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 17. DATE RECEIVED:                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 18. DATE APPROVED: <b>OCT 14 2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |
| <b>PLAN APPROVED – ONE COPY ATTACHED</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 19. EFFECTIVE DATE OF APPROVED MATERIAL: <b>MAR 01 2016</b>                                                                                                                                                                                                                                                                                                                                                                                                  |  | 20. SIGNATURE OF REGIONAL OFFICIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |
| 21. TYPED NAME: <b>Kristin Fan</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 22. TITLE: <b>Director, FMO</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 23. REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |

**Case Mix Payment System****Minimum Data Set Version 3.0 (MDS 3.0) Resident Assessment Instrument**

Each facility's rate for direct care costs is based on a case mix payment system. The case mix payment system begins with the Minimum Data Set version 3.0 (MDS 3.0), the resident assessment instrument used in Ohio for implementing standardized assessments and for facilitating care management in nursing facilities. The MDS 3.0 is used in Ohio to comply with regulations specified in 42 C.F.R. 483.20 that require nursing facilities to provide comprehensive, accurate, standardized, reproducible assessments of each long term care facility resident's functional capacity, including assessments of medical conditions. The MDS 3.0 also includes Ohio-specific data elements designated as Section S.

All nursing facilities must submit encoded, accurate, and complete MDS 3.0 data for all residents of Medicaid certified beds, regardless of pay source or anticipated length of stay. Data must be encoded in accordance with 42 C.F.R. 483.20 and with federal MDS 3.0 data submission specifications.

MDS 3.0 data submitted by nursing facilities is used to calculate quarterly, semiannual, and annual case mix scores, which in turn are used to calculate the direct care component of each nursing facility's per diem rate.

Resource Utilization Groups (RUG) Classification System

The Ohio case mix payment system uses the resource utilization groups (RUG) classification system, which is a methodology for grouping nursing facility residents into case mix groups in a way that is clinically meaningful, and uses criteria that sufficiently differentiates one group from another. Ohio uses the following versions of the RUG classification system:

- 1) For rates paid for services provided before July 1, 2016, version III (RUG III). Based on the items in the MDS 3.0, if a resident meets the criteria for placement in more than one group, the resident will be placed in a group within the highest major category of resident types according to the hierarchy unless the activities of daily living (ADL) index score is not met for placement within the highest major category of resident types. In descending order, the hierarchy of RUG III major categories using the forty-five grouper model as used in Ohio is as follows:
  - a) Extensive services.
  - b) Special rehabilitation
  - c) Special care.
  - d) Clinically complex.
  - e) Impaired cognition.
  - f) Behavior problems.
  - g) Reduced physical function.
  
- 2) For rates paid for services provided July 1, 2016 and thereafter, version IV (RUG IV). Based on items in the MDS 3.0, if a resident meets the criteria for placement in more than one group, the resident will be placed in a group according to the hierarchy. In descending order, the hierarchy of RUG IV major categories using the forty-eight, fifty-seven, or sixty-six grouper model is as follows:
  - a) Rehabilitation plus extensive services (sixty-six grouper model only).
  - b) Rehabilitation.
  - c) Extensive services.
  - d) Special care high.
  - e) Special care low.
  - f) Clinically complex.
  - g) Behavioral symptoms and cognitive performance.
  - h) Reduced physical function.

Each of the RUG groups is assigned a relative resource weight. The relative resource weight indicates the relative amount of staff time required on average for workers in the registered nurse (RN), licensed practical nurse (LPN), and nurse aide (NA) worker classifications to deliver care to residents in a particular RUG group. Relative resource weights are calculated as follows using the average minutes per worker classification per RUG group provided by the United States Department of Health and Human Services (HHS), and the most recent available three-year averages of RN, LPN, and NA wages in Ohio Medicaid certified nursing facilities as reported on the Ohio Medicaid annual cost report:

- 1) By setting the NA wage weight at one, wage weights for RNs and LPNs are calculated by dividing the NA wage into the RN or LPN wage.

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- 2) To calculate the total weighted minutes for each RUG group, the wage weight for each worker classification is multiplied by the average number of minutes that classification of workers spends caring for a resident in the RUG group, and then the products for each RUG group are summed.
- 3) Relative resource weights are calculated by dividing the lowest group's total weighted minutes into each group's total weighted minutes. Weight calculations are rounded to the fourth decimal place. The RUG group with the lowest total weighted minutes receives a relative resource weight of 1.0000.

Residents whose MDS 3.0 forms contain missing or out-of-range responses to data elements used to determine the RUG classification shall be assigned to a default group. The lowest relative resource weight for the RUG groups (1.0000) is used as the weight for the default group.

## APPENDIX A

RUG CLASSIFICATION SYSTEM  
RELATIVE RESOURCE WEIGHTS

|    | RUG III CLASS -<br>45 GROUPER | RELATIVE WEIGHT |
|----|-------------------------------|-----------------|
| 1  | SE3                           | 3.6037          |
| 2  | SE2                           | 2.9532          |
| 3  | SE1                           | 2.5253          |
| 4  | RUC                           | 2.7812          |
| 5  | RUB                           | 2.0327          |
| 6  | RUA                           | 1.6546          |
| 7  | RVC                           | 2.4192          |
| 8  | RVB                           | 2.2206          |
| 9  | RVA                           | 1.7320          |
| 10 | RHC                           | 2.6820          |
| 11 | RHB                           | 2.2565          |
| 12 | RHA                           | 1.8480          |
| 13 | RMC                           | 2.8835          |
| 14 | RMB                           | 2.3328          |
| 15 | RMA                           | 2.0480          |
| 16 | RLB                           | 2.4124          |
| 17 | RLA                           | 1.7119          |
| 18 | SSC                           | 2.4449          |
| 19 | SSB                           | 2.2715          |
| 20 | SSA                           | 2.1546          |
| 21 | CC2                           | 2.4231          |
| 22 | CC1                           | 2.1474          |
| 23 | CB2                           | 1.9681          |
| 24 | CB1                           | 1.8232          |
| 25 | CA2                           | 1.7925          |
| 26 | CA1                           | 1.6009          |
| 27 | IB2                           | 1.5112          |
| 28 | IB1                           | 1.4600          |
| 29 | IA2                           | 1.2366          |
| 30 | IA1                           | 1.1481          |
| 31 | BB2                           | 1.4861          |
| 32 | BB1                           | 1.4116          |
| 33 | BA2                           | 1.2090          |
| 34 | BA1                           | 1.0259          |
| 35 | PE2                           | 1.7400          |
| 36 | PE1                           | 1.6983          |
| 37 | PD2                           | 1.5821          |
| 38 | PD1                           | 1.5509          |
| 39 | PC2                           | 1.4489          |
| 40 | PC1                           | 1.3925          |
| 41 | PB2                           | 1.1054          |
| 42 | PB1                           | 1.0892          |
| 43 | PA2                           | 1.0503          |
| 44 | PA1                           | 1.0000          |
| 45 | BC1                           | 1.0000          |

|    | RUG IV CLASS -<br>48 GROUPER | RELATIVE WEIGHT |
|----|------------------------------|-----------------|
| 1  | ES3                          | 6.5333          |
| 2  | ES2                          | 4.9111          |
| 3  | ES1                          | 4.6889          |
| 4  | RAE                          | 3.6667          |
| 5  | RAD                          | 3.4889          |
| 6  | RAC                          | 2.9778          |
| 7  | RAB                          | 2.4222          |
| 8  | RAA                          | 1.7778          |
| 9  | HE2                          | 4.2444          |
| 10 | HE1                          | 3.3111          |
| 11 | HD2                          | 3.7333          |
| 12 | HD1                          | 2.9778          |
| 13 | HC2                          | 3.4444          |
| 14 | HC1                          | 2.7333          |
| 15 | HB2                          | 3.3111          |
| 16 | HB1                          | 2.6889          |
| 17 | LE2                          | 3.6000          |
| 18 | LE1                          | 2.8222          |
| 19 | LD2                          | 3.4444          |
| 20 | LD1                          | 2.7333          |
| 21 | LC2                          | 2.8444          |
| 22 | LC1                          | 2.2667          |
| 23 | LB2                          | 2.6667          |
| 24 | LB1                          | 2.1111          |
| 25 | CE2                          | 3.0667          |
| 26 | CE1                          | 2.7556          |
| 27 | CD2                          | 2.8889          |
| 28 | CD1                          | 2.5778          |
| 29 | CC2                          | 2.4000          |
| 30 | CC1                          | 2.1333          |
| 31 | CB2                          | 2.0889          |
| 32 | CB1                          | 1.8889          |
| 33 | CA2                          | 1.6222          |
| 34 | CA1                          | 1.4222          |
| 35 | BB2                          | 1.8222          |
| 36 | BB1                          | 1.6667          |
| 37 | BA2                          | 1.2889          |
| 38 | BA1                          | 1.2000          |
| 39 | PE2                          | 2.8000          |
| 40 | PE1                          | 2.6000          |
| 41 | PD2                          | 2.5778          |
| 42 | PD1                          | 2.3778          |
| 43 | PC2                          | 2.0667          |
| 44 | PC1                          | 1.8889          |
| 45 | PB2                          | 1.5556          |
| 46 | PB1                          | 1.4444          |
| 47 | PA2                          | 1.1111          |
| 48 | PA1                          | 1.0000          |

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Supersedes

TN NEW Effective Date 03/01/2016

**RUG CLASSIFICATION SYSTEM  
RELATIVE RESOURCE WEIGHTS**

|    | <b>RUG IV CLASS -<br/>57 GROUPER</b> | <b>RELATIVE WEIGHT</b> |
|----|--------------------------------------|------------------------|
| 1  | RUC                                  | 3.9556                 |
| 2  | RUB                                  | 3.8667                 |
| 3  | RUA                                  | 2.4000                 |
| 4  | RVC                                  | 3.7333                 |
| 5  | RVB                                  | 2.8667                 |
| 6  | RVA                                  | 2.7111                 |
| 7  | RHC                                  | 3.7111                 |
| 8  | RHB                                  | 2.9556                 |
| 9  | RHA                                  | 2.2444                 |
| 10 | RMC                                  | 3.6222                 |
| 11 | RMB                                  | 3.2667                 |
| 12 | RMA                                  | 2.0667                 |
| 13 | RLB                                  | 3.6667                 |
| 14 | RLA                                  | 1.8000                 |
| 15 | ES3                                  | 6.4889                 |
| 16 | ES2                                  | 4.9111                 |
| 17 | ES1                                  | 4.0667                 |
| 18 | HE2                                  | 4.2444                 |
| 19 | HE1                                  | 3.3111                 |
| 20 | HD2                                  | 3.7333                 |
| 21 | HD1                                  | 2.9778                 |
| 22 | HC2                                  | 3.4444                 |
| 23 | HC1                                  | 2.7333                 |
| 24 | HB2                                  | 3.3111                 |
| 25 | HB1                                  | 2.6889                 |
| 26 | LE2                                  | 3.6000                 |
| 27 | LE1                                  | 2.8222                 |
| 28 | LD2                                  | 3.4444                 |
| 29 | LD1                                  | 2.7333                 |
| 30 | LC2                                  | 2.8444                 |
| 31 | LC1                                  | 2.2667                 |
| 32 | LB2                                  | 2.6667                 |
| 33 | LB1                                  | 2.1111                 |
| 34 | CE2                                  | 3.0667                 |
| 35 | CE1                                  | 2.7556                 |
| 36 | CD2                                  | 2.8889                 |
| 37 | CD1                                  | 2.5778                 |
| 38 | CC2                                  | 2.4000                 |
| 39 | CC1                                  | 2.1333                 |
| 40 | CB2                                  | 2.0889                 |
| 41 | CB1                                  | 1.8889                 |
| 42 | CA2                                  | 1.6222                 |
| 43 | CA1                                  | 1.4222                 |
| 44 | BB2                                  | 1.8222                 |
| 45 | BB1                                  | 1.6667                 |
| 46 | BA2                                  | 1.2889                 |
| 47 | BA1                                  | 1.2000                 |
| 48 | PE2                                  | 2.8000                 |
| 49 | PE1                                  | 2.6000                 |
| 50 | PD2                                  | 2.5778                 |
| 51 | PD1                                  | 2.3778                 |
| 52 | PC2                                  | 2.0667                 |
| 53 | PC1                                  | 1.8889                 |
| 54 | PB2                                  | 1.5556                 |
| 55 | PB1                                  | 1.4444                 |
| 56 | PA2                                  | 1.1111                 |
| 57 | PA1                                  | 1.0000                 |

|    | <b>RUG IV CLASS -<br/>66 GROUPER</b> | <b>RELATIVE WEIGHT</b> |
|----|--------------------------------------|------------------------|
| 1  | RUX                                  | 6.6444                 |
| 2  | RUL                                  | 6.2667                 |
| 3  | RVX                                  | 6.6222                 |
| 4  | RVL                                  | 5.3556                 |
| 5  | RHX                                  | 6.2000                 |
| 6  | RHL                                  | 5.1778                 |
| 7  | RMX                                  | 5.9556                 |
| 8  | RML                                  | 5.0889                 |
| 9  | RLX                                  | 5.4000                 |
| 10 | RUC                                  | 3.8667                 |
| 11 | RUB                                  | 3.7778                 |
| 12 | RUA                                  | 2.4000                 |
| 13 | RVC                                  | 3.7111                 |
| 14 | RVB                                  | 2.7333                 |
| 15 | RVA                                  | 2.6889                 |
| 16 | RHC                                  | 3.5333                 |
| 17 | RHB                                  | 2.8889                 |
| 18 | RHA                                  | 2.2444                 |
| 19 | RMC                                  | 3.3556                 |
| 20 | RMB                                  | 2.9778                 |
| 21 | RMA                                  | 2.0667                 |
| 22 | RLB                                  | 3.6667                 |
| 23 | RLA                                  | 1.8000                 |
| 24 | ES3                                  | 6.4889                 |
| 25 | ES2                                  | 4.9111                 |
| 26 | ES1                                  | 4.0667                 |
| 27 | HE2                                  | 4.2444                 |
| 28 | HE1                                  | 3.3111                 |
| 29 | HD2                                  | 3.7333                 |
| 30 | HD1                                  | 2.9778                 |
| 31 | HC2                                  | 3.4444                 |
| 32 | HC1                                  | 2.7333                 |
| 33 | HB2                                  | 3.3111                 |
| 34 | HB1                                  | 2.6889                 |
| 35 | LE2                                  | 3.6000                 |
| 36 | LE1                                  | 2.8222                 |
| 37 | LD2                                  | 3.4444                 |
| 38 | LD1                                  | 2.7333                 |
| 39 | LC2                                  | 2.8444                 |
| 40 | LC1                                  | 2.2667                 |
| 41 | LB2                                  | 2.6667                 |
| 42 | LB1                                  | 2.1111                 |
| 43 | CE2                                  | 3.0667                 |
| 44 | CE1                                  | 2.7556                 |
| 45 | CD2                                  | 2.8889                 |
| 46 | CD1                                  | 2.5778                 |
| 47 | CC2                                  | 2.4000                 |
| 48 | CC1                                  | 2.1111                 |
| 49 | CB2                                  | 2.0889                 |
| 50 | CB1                                  | 1.8889                 |
| 51 | CA2                                  | 1.6222                 |
| 52 | CA1                                  | 1.4222                 |
| 53 | BB2                                  | 1.8222                 |
| 54 | BB1                                  | 1.6667                 |
| 55 | BA2                                  | 1.2889                 |
| 56 | BA1                                  | 1.2000                 |
| 57 | PE2                                  | 2.8000                 |
| 58 | PE1                                  | 2.6000                 |
| 59 | PD2                                  | 2.5778                 |
| 60 | PD1                                  | 2.3778                 |
| 61 | PC2                                  | 2.0667                 |
| 62 | PC1                                  | 1.8889                 |
| 63 | PB2                                  | 1.5556                 |
| 64 | PB1                                  | 1.4444                 |
| 65 | PA2                                  | 1.1111                 |
| 66 | PA1                                  | 1.0000                 |

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Calculation of Nursing Facility Case Mix Scores

After processing MDS 3.0 resident assessment data and classifying residents using the RUG classification system, the Department of Medicaid calculates quarterly, semiannual, and annual nursing facility case mix scores. Two quarterly facility average case mix scores are calculated each quarter. The first is the quarterly facility average total case mix score. The second is the quarterly facility average Medicaid case mix score. For each nursing facility that submits timely, accurate, and sufficient resident assessment data, the quarterly facility average total case mix score is calculated as follows:

- 1) Add together all resident case mix scores for the quarter, including resident case mix scores in the RUG default group. The lowest weight for the RUG groups (1.0000) is used as the weight for the default group.
- 2) Divide the sum of the resident case mix scores by the total number of residents.

For each nursing facility that submits timely, accurate, and sufficient resident assessment data, the quarterly facility average Medicaid case mix score is calculated as follows:

- 1) Add together all Medicaid resident case mix scores for the quarter, including Medicaid resident case mix scores in the RUG default group. The lowest weight for the RUG groups (1.0000) is used as the weight for the default group.
- 2) Divide the sum of the Medicaid resident case mix scores by the total number of Medicaid residents.

Data is considered timely when the nursing facility submits the resident assessment data by the filing date, and the data includes assessments for all residents in Medicaid certified beds as of the reporting period end date. Data is considered accurate and sufficient when data that is submitted timely provides sufficient information for accurately classifying at least 90% of all residents in Medicaid certified beds into RUG non-default groups. Additionally, data is considered accurate and sufficient when data that is submitted timely and corrected timely provides sufficient information for accurately classifying at least 90% of all residents in Medicaid certified beds into RUG non-default groups. For each nursing facility that does not submit timely, accurate, or sufficient resident assessment data, the department shall assign a penalty score that is 5% less than that facility's quarterly facility average case mix score for the preceding calendar quarter.

The semiannual facility average Medicaid case mix score is determined as follows:

- 1) The semiannual facility average Medicaid case mix score for the payment period beginning the first day of July for a given fiscal year shall be the average of the quarterly facility average Medicaid case mix score from the preceding December and March reporting quarters. If a facility does not have a quarterly facility average Medicaid case mix score for both the December and March reporting quarters, the median annual facility average case mix score for the nursing facility's peer group shall be assigned as the semiannual facility average Medicaid case mix score.
- 2) The semiannual facility average Medicaid case mix score for the payment period beginning the first day of January for a given fiscal year shall be the average of the quarterly facility average Medicaid case mix score from the preceding June and

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September reporting quarters. If a facility does not have a quarterly facility average Medicaid case mix score for both the June and September reporting quarters, the median annual facility average case mix score for the nursing facility's peer group shall be assigned as the semiannual facility average Medicaid case mix score.

The annual facility average case mix score is calculated as follows:

- 1) Add all qualifying case mix scores.
- 2) Divide the sum of the qualifying case mix scores by the total number of quarters of qualifying scores.

Qualifying case mix scores are scores for facilities that have at least two quarterly facility average total case mix scores, and that also submitted resident assessment data timely, accurately, and sufficiently. If the department assigned a nursing facility a quarterly facility average total case mix score but the facility did not submit resident assessment data timely, accurately, or sufficiently, the assigned score is not used to calculate the facility's annual average case mix score.

In addition, for any score that was adjusted, the adjusted score is substituted according to the following hierarchy:

- 1) Adjusted quarterly facility average total case mix scores established by a rate reconsideration decision resulting from an exception review of resident assessment information conducted according to Section 001.8.4 of Attachment 4.19-D, Supplement 1 before the effective date of the rate.
- 2) Adjusted quarterly facility average total case mix scores as a result of exception review findings from an exception review conducted according to Section 001.8.4 of Attachment 4.19-D, Supplement 1.

Exception Reviews

An exception review is a review of minimum data set (MDS) resident assessment data. Exception reviews are conducted at selected nursing facilities by registered nurses or other appropriate licensed or certified health professionals as determined by the Department of Medicaid who are employed by or under contract with the department to identify any patterns or trends related to resident assessments that could result in inaccurate case mix scores. Facilities may be selected for an exception review based on the findings of a Medicaid certification survey conducted by the Department of Health, a risk analysis, or prior performance of the nursing facility.

If an exception review is conducted before the effective date of a nursing facility's rate for direct care costs, and the exception review results in findings that exceed tolerance levels specified by the department and indicate the facility received a higher rate than it was entitled to receive, the department will use the exception review findings to calculate or recalculate individual resident case mix scores, and to calculate or recalculate the nursing facility's quarterly facility average total case mix scores, quarterly and semiannual facility average Medicaid case mix scores, and annual facility average case mix scores. The department will use the nursing facility's quarterly facility average total case mix scores, quarterly and semiannual facility average Medicaid case mix scores, and annual facility average case mix scores based on exception review findings to calculate or recalculate the facility's rate for direct care costs for the appropriate six month period.

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**APPENDIX A**  
**EXCEPTION REVIEW**  
**RESIDENT INITIAL SAMPLE SELECTION**

| Resident Census on<br>Reporting Period End Date | Minimum Initial Sample<br>Size Required |
|-------------------------------------------------|-----------------------------------------|
| 1-4                                             | All                                     |
| 5-10                                            | 5                                       |
| 11-20                                           | 8                                       |
| 21-40                                           | 10                                      |
| 41-44                                           | 11                                      |
| 45-48                                           | 12                                      |
| 49-52                                           | 13                                      |
| 53-56                                           | 14                                      |
| 57-75                                           | 15                                      |
| 76-80                                           | 16                                      |
| 81-85                                           | 17                                      |
| 85-90                                           | 18                                      |
| 91-95                                           | 19                                      |
| 96-100                                          | 20                                      |
| 101-105                                         | 21                                      |
| 106-110                                         | 22                                      |
| 111-115                                         | 23                                      |
| 116-160                                         | 24                                      |
| 161-166                                         | 25                                      |
| 167-173                                         | 26                                      |
| 174-180                                         | 27                                      |

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**EXCEPTION REVIEW**  
**RESIDENT INITIAL SAMPLE SELECTION**

| Resident Census on Reporting Period End Date | Minimum Initial Sample Size Required |
|----------------------------------------------|--------------------------------------|
| 181-186                                      | 28                                   |
| 187-193                                      | 29                                   |
| 194-300                                      | 30                                   |
| 301-310                                      | 31                                   |
| 311-320                                      | 32                                   |
| 321-330                                      | 33                                   |
| 331-340                                      | 34                                   |
| 341-350                                      | 35                                   |
| 351-360                                      | 36                                   |
| 361-370                                      | 37                                   |
| 371-380                                      | 38                                   |
| 381-400                                      | 39                                   |
| 401-410                                      | 40                                   |
| 411-420                                      | 41                                   |
| 421-430                                      | 42                                   |
| 431-440                                      | 43                                   |
| 441-450                                      | 44                                   |
| 451-460                                      | 45                                   |
| 461-470                                      | 46                                   |
| 471-480                                      | 47                                   |
| 481-490                                      | 48                                   |
| 491-500                                      | 49                                   |
| 501 or greater                               | 50                                   |

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**APPENDIX B**  
**EXCEPTION REVIEW**  
**RESIDENT EXPANDED SAMPLE SELECTION**

| Resident Census on Reporting Period End Date | Minimum Expanded Sample Size Required (Includes Initial Sample) |
|----------------------------------------------|-----------------------------------------------------------------|
| 1                                            | 1                                                               |
| 2                                            | 2                                                               |
| 3                                            | 3                                                               |
| 4                                            | 4                                                               |
| 5                                            | 5                                                               |
| 6                                            | 6                                                               |
| 7                                            | 7                                                               |
| 8                                            | 8                                                               |
| 9                                            | 9                                                               |
| 10-11                                        | 10                                                              |
| 12                                           | 11                                                              |
| 13                                           | 12                                                              |
| 14-15                                        | 13                                                              |
| 16                                           | 14                                                              |
| 17                                           | 15                                                              |
| 18-19                                        | 16                                                              |
| 20                                           | 17                                                              |
| 21-22                                        | 18                                                              |
| 23                                           | 19                                                              |
| 24-25                                        | 20                                                              |
| 26                                           | 21                                                              |
| 27-28                                        | 22                                                              |

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**RESIDENT EXPANDED SAMPLE SELECTION**

| Resident Census on<br>Reporting Period End Date | Minimum Expanded Sample<br>Size Required<br>(Includes Initial Sample) |
|-------------------------------------------------|-----------------------------------------------------------------------|
| 29-30                                           | 23                                                                    |
| 31                                              | 24                                                                    |
| 32-33                                           | 25                                                                    |
| 34-35                                           | 26                                                                    |
| 36-37                                           | 27                                                                    |
| 38-39                                           | 28                                                                    |
| 40-41                                           | 29                                                                    |
| 42-43                                           | 30                                                                    |
| 44-45                                           | 31                                                                    |
| 46-47                                           | 32                                                                    |
| 48-50                                           | 33                                                                    |
| 51-52                                           | 34                                                                    |
| 53-55                                           | 35                                                                    |
| 56-57                                           | 36                                                                    |
| 58-60                                           | 37                                                                    |
| 61-62                                           | 38                                                                    |
| 63-65                                           | 39                                                                    |
| 66-68                                           | 40                                                                    |
| 69-71                                           | 41                                                                    |
| 72-74                                           | 42                                                                    |
| 75-77                                           | 43                                                                    |
| 78-81                                           | 44                                                                    |

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**RESIDENT EXPANDED SAMPLE SELECTION**

| Resident Census on Reporting Period End Date | Minimum Expanded Sample Size Required (Includes Initial Sample) |
|----------------------------------------------|-----------------------------------------------------------------|
| 82-84                                        | 45                                                              |
| 85-88                                        | 46                                                              |
| 89-92                                        | 47                                                              |
| 93-95                                        | 48                                                              |
| 96-100                                       | 49                                                              |
| 101-104                                      | 50                                                              |
| 105-108                                      | 51                                                              |
| 109-113                                      | 52                                                              |
| 114-118                                      | 53                                                              |
| 119-123                                      | 54                                                              |
| 124-128                                      | 55                                                              |
| 129-134                                      | 56                                                              |
| 135-140                                      | 57                                                              |
| 141-146                                      | 58                                                              |
| 147-152                                      | 59                                                              |
| 153-159                                      | 60                                                              |
| 160-167                                      | 61                                                              |
| 168-174                                      | 62                                                              |
| 175-183                                      | 63                                                              |
| 184-191                                      | 64                                                              |
| 192-201                                      | 65                                                              |
| 202-211                                      | 66                                                              |

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**RESIDENT EXPANDED SAMPLE SELECTION**

| Resident Census on Reporting Period End Date | Minimum Expanded Sample Size Required (Includes Initial Sample) |
|----------------------------------------------|-----------------------------------------------------------------|
| 212-221                                      | 67                                                              |
| 222-232                                      | 68                                                              |
| 233-245                                      | 69                                                              |
| 246-258                                      | 70                                                              |
| 259-272                                      | 71                                                              |
| 273-287                                      | 72                                                              |
| 288-304                                      | 73                                                              |
| 305-322                                      | 74                                                              |
| 323-342                                      | 75                                                              |
| 343-364                                      | 76                                                              |
| 365 or greater                               | 77                                                              |

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