



The Hilltop Institute

analysis to advance the health of vulnerable populations

Resource Utilization Groups (RUGs)

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Resource Utilization Groups (RUGs)

- RUGs are mutually exclusive categories that reflect levels of resource need in long-term care settings, primarily to facilitate Medicare and Medicaid payment
- They are assigned to individuals based on data elements derived from the LTC Minimum Data Set (MDS)
- There is a standard order, or hierarchy, and each RUG is associated with relative weighting factors
- RUG assignments can be made on a hierarchical or an index-maximization basis

Three Basic Sets of RUGs

| Major RUG Categories | # of RUGs | Hierarchical Level | | |
|-------------------------------------|-----------|--------------------|--------|--------|
| | | RUG 34 | RUG 44 | RUG 53 |
| Rehabilitation & Extensive Services | 9 | | | 1 |
| Rehabilitation Services | 14 | | 1 | 2 |
| Extensive Services | 3 | 1 | 2 | 3 |
| Rehabilitation Services | 4 | 2 | | |
| Special Care | 3 | 3 | 3 | 4 |
| Clinically Complex | 6 | 4 | 4 | 5 |
| Impaired Cognition | 4 | 5 | 5 | 6 |
| Behavioral | 4 | 6 | 6 | 7 |
| Reduced Physical Functions | 10 | 7 | 7 | 8 |

See Exhibit 1 for more detail.

Three Basic Sets of RUGs continued

- RUG 34: An initial set of RUGs developed primarily to support resource risk adjustment for Medicaid payment
 - Reflects 7 major categories of care: Extensive Service (3); Rehabilitation (4); Special Care (3); Clinically Complex (6); Impaired Cognition (4); Behavioral only (4); and Reduced Physical Functioning (10)
 - Relative risk weights for nursing care are based on state Medicaid data from an early demonstration sponsored by HCFA (now CMS)
 - RUG assignments & weights are applied at the individual level, but the average relative risk of a facility's residents is typically used to adjust the nursing components of state Medicaid payment systems
 - One exception: Texas Medicaid adjusts the RUG 34 relative risk weights to reflect local practice to establish person-level payments

Three Basic Sets of RUGs continued

- RUG 44: An expanded version of RUG 34 that includes 14 Rehab RUGs and a new hierarchical order primarily to support Medicare prospective payments starting in 1998
 - Reflects 7 major categories of care: Rehabilitation (14); Extensive Service (3); Special Care (3); Clinically Complex (6); Impaired Cognition (4); Behavioral only (4); and Reduced Physical Functioning (10)
 - Medicaid “nursing” weights were developed from additional state Medicaid data at the same time that the system was established (separately) for Medicare PPS payment
 - The nursing weights are applied at the individual level (index-max), but the average facility-level relative risk is typically used to adjust the nursing components of state Medicaid payment systems

Three Basic Sets of RUGs continued

- RUG 53: An expanded version of RUG 44 that includes 9 mixed Rehab & Extensive Service RUGs - used to support Medicare prospective payments since January 2006
 - Reflects 8 major categories of care: Rehab & Extensive Service (9); Rehab only (14); Extensive Service (3); Special Care (3); Clinically Complex (6); Impaired Cognition (4); Behavioral only (4); and Reduced Physical Functioning (10)
 - CMS provides nursing and therapy weights that are used, along with other component factors, to establish person-level per diem payments for skilled nursing facility (SNF) care under Medicare
 - Not appropriate for Medicaid payment systems

RUG Assignments are Based on the LTC Minimum Data Set (MDS)

- The MDS is a core set of screening, clinical, and functional status elements reported on all residents of nursing facilities certified to participate in Medicare and/or Medicaid – regardless of payor.
- **Primary uses** (aside from RUG assignment for payment):
 - Provides a structure for the collection, organization, analysis, and reporting of resident assessment data to support patient care
 - Supports Resident Assessment Protocols, in particular
 - Helps to monitor quality of care

MDS continued:

Two Reporting Schedules

- OBRA (Omnibus Budget Reconciliation Act 1987) requires:
 - Comprehensive assessment for all residents within 14 days of admission
 - Quarterly assessment thereafter (within 92 days) - States can use abbreviated reporting, which does not support RUG assignments (Maryland uses abbreviated reporting)
 - Annual full assessment (within 366 days of prior full assessment)
- Medicare requires (to support SNF payments as of October 1998):
 - 5-day, 14-day, 30-day, 60-day, and 90-day assessments
- Both schedules apply but one assessment can be used to meet both requirements

MDS continued: Bottom line

- MDS was initially developed as a protocol to support patient care and quality assessment
- MDS reporting intensified with its use to facilitate RUG-based payment systems under Medicare and Medicaid
- It is increasingly used as the basis for quality assessment at the facility level – including revisions underway to streamline reporting and better reflect patient concerns
- Maryland's current quarterly reporting requirements do not include all the data elements needed to support RUG assignments for Medicaid payment

Hilltop-Refined MDS Data

- Hilltop has developed procedures to “clean up,” or refine, raw MDS assessment data so that they can more readily be used to examine patterns of care
- Assessments are linked at the person level to define “discrete” and “extended” stays
 - A **DISCRETE STAY** includes contiguous days from first evidence of admission to discharge in a single facility.
 - An **EXTENDED STAY** includes 1 or more discrete stays with some maximum allowed gap between discrete stays, with or without reference to change in nursing facility. We use a 30-day maximum gap with no reference to change in nursing facility.

Hilltop-Refined MDS Data continued

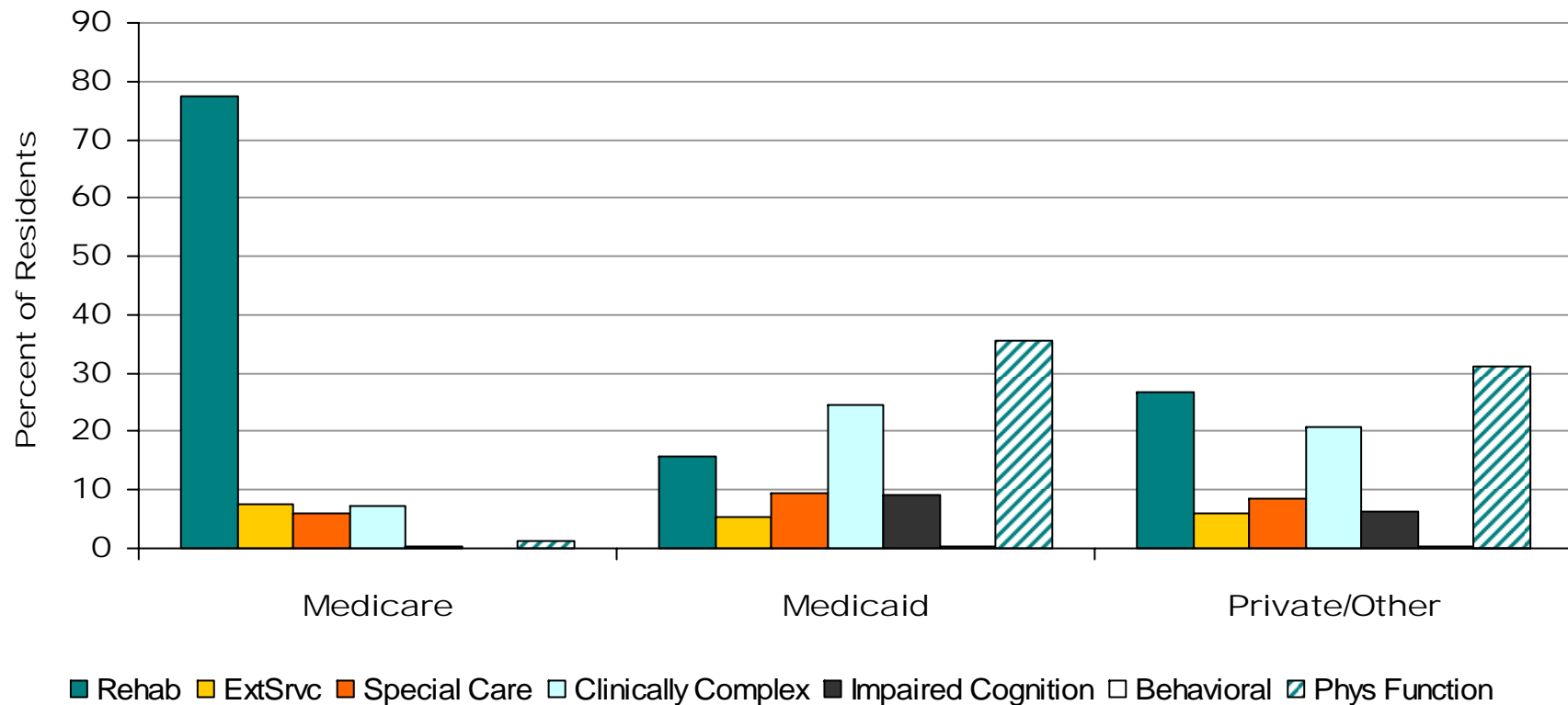
- **Medicare coverage** is determined using MDS tracking variables. All days associated with a given stay are defined as either Medicare or Non-Medicare. Some stays include both Medicare and Non-Medicare days. Medicare coverage suggests Medicare payment.
- **Medicaid status** is established by linking eligibility dates for **FULL** Medicaid benefits to the refined stay information. Medicaid status only suggests Medicaid payment for Non-Medicare days.

Maryland Nursing Facility Population by RUG 44 Level and Payor: November 1, 2008

| RUG Level | Payor | | | | | | | |
|----------------------|--------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| | All | | Medicare-Paid | | Medicaid-Paid | | Private/Other | |
| | # | % Col. | # | % Col. | # | % Col. | # | % Col. |
| 1 Rehab | 7,135 | 28.9 | 3,323 | 77.3 | 2,307 | 15.6 | 1,505 | 26.8 |
| 2 Extensive Service | 1,448 | 5.9 | 333 | 7.7 | 774 | 5.2 | 341 | 6.1 |
| 3 Special Care | 2,131 | 8.6 | 260 | 6.1 | 1,397 | 9.4 | 474 | 8.5 |
| 4 Clinically Complex | 5,124 | 20.7 | 303 | 7.1 | 3,648 | 24.6 | 1,173 | 20.9 |
| 5 Impaired Cognition | 1,730 | 7.0 | 16 | 0.4 | 1,354 | 9.1 | 360 | 6.4 |
| 6 Behavioral | 62 | 0.3 | 1 | 0.0 | 52 | 0.4 | 9 | 0.2 |
| 7 Physical Function | 7,087 | 28.7 | 61 | 1.4 | 5,282 | 35.7 | 1,744 | 31.1 |
| Total | 24,717 | | 4,297 | | 14,814 | | 5,606 | |
| (% of Total) | (100%) | | (17.4%) | | (59.9%) | | (22.7%) | |

Source: Hilltop-Refined MDS Data.
See Exhibit 2 for more detail.

Maryland Nursing Facility Population by RUG 44 Level and Payor: November 1, 2008



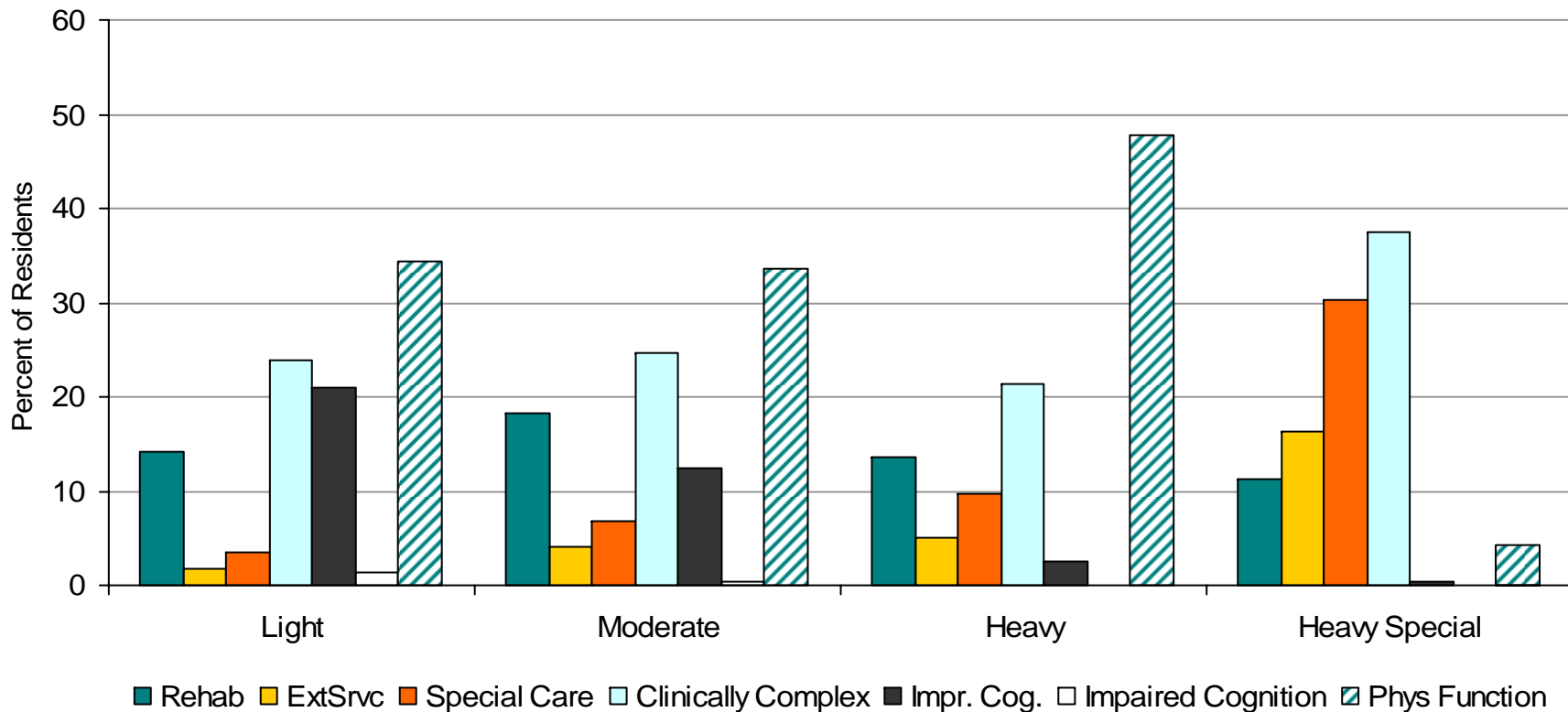
Compare to RUG 34

Medicaid-Paid Residents in Maryland by RUG 44 Level and NHLOC: November 1, 2008

| RUG Level | Maryland Medicaid Nursing Home Level of Care | | | | | | | | | |
|----------------------|--|--------|-------|---------|----------|---------|-------|---------|---------------|--------|
| | Medicaid-Paid | | Light | | Moderate | | Heavy | | Heavy Special | |
| | # | % Col. | # | % Col. | # | % Col. | # | % Col. | # | % Col. |
| 1 Rehab | 2,307 | 15.6 | 257 | 14.1 | 1,236 | 18.3 | 662 | 13.5 | 152 | 11.3 |
| 2 Extensive Service | 774 | 5.2 | 32 | 1.8 | 274 | 4.1 | 248 | 5.1 | 220 | 16.4 |
| 3 Special Care | 1,397 | 9.4 | 64 | 3.5 | 450 | 6.7 | 478 | 9.7 | 405 | 30.2 |
| 4 Clinically Complex | 3,648 | 24.6 | 434 | 23.9 | 1,659 | 24.6 | 1,053 | 21.4 | 502 | 37.4 |
| 5 Impaired Cognition | 1,354 | 9.1 | 381 | 21.0 | 840 | 12.5 | 127 | 2.6 | 6 | 0.4 |
| 6 Behavioral | 52 | 0.4 | 26 | 1.4 | 26 | 0.4 | 0 | 0.0 | 0 | 0.0 |
| 7 Physical Function | 5,282 | 35.7 | 623 | 34.3 | 2,260 | 33.5 | 2,342 | 47.7 | 57 | 4.2 |
| Total | 14,814 | | 1,817 | | 6,745 | | 4,910 | | 1,342 | |
| % of Total | | (100%) | | (12.7%) | | (45.8%) | | (32.5%) | | (9.1%) |

Source: Hilltop-Refined MDS Data

Medicaid-Paid Residents by RUG 44 Level and NHLOC: November 1, 2008



Compare to RUG 34

Average LOS (Extended) by RUG 44 Level and Payor: Residents as of November 1, 2008

| RUG Level | All | | Payor | | | | | |
|----------------------|--------|--------------|---------------|------------|---------------|--------------|---------------|--------------|
| | # | LOS | Medicare-Paid | | Medicaid-Paid | | Private/Other | |
| | | | # | LOS | # | LOS | # | LOS |
| 1 Rehab | 7,135 | 244 | 3,323 | 84 | 2,307 | 486 | 1,505 | 229 |
| 2 Extensive Service | 1,448 | 742 | 333 | 286 | 774 | 993 | 341 | 615 |
| 3 Special Care | 2,131 | 1,114 | 260 | 300 | 1,397 | 1,389 | 474 | 750 |
| 4 Clinically Complex | 5,124 | 1,071 | 303 | 263 | 3,648 | 1,238 | 1,173 | 762 |
| 5 Impaired Cognition | 1,730 | 1,169 | 16 | 74 | 1,354 | 1,277 | 360 | 812 |
| 6 Behavioral | 62 | 1,323 | 1 | 7 | 52 | 1,404 | 9 | 1,001 |
| 7 Physical Function | 7,087 | 1,318 | 61 | 339 | 5,282 | 1,427 | 1,744 | 1,020 |
| Total | 24,717 | 895 | 4,297 | 129 | 14,814 | 1,194 | 5,606 | 693 |

Source: Hilltop-Refined MDS Data

Average LOS (Extended) at Discharge by Medicare Stay Type: Calendar Year 2008

| | All Discharges | | | Medicaid Eligible at Discharge | | |
|-------------------------|----------------|---------|-------------------|--------------------------------|---------|-------------------|
| | Number | Percent | Extended Avg. LOS | Number | Percent | Extended Avg. LOS |
| Total | 50,896 | 100% | 161 | 11,113 | 100% | 525 |
| Medicare Only | 33,473 | 65.8 | 27 | 2,997 | 27.0 | 32 |
| Non-Medicare Only | 9,560 | 18.8 | 234 | 3,662 | 33.0 | 487 |
| Medicare & Non-Medicare | 7,863 | 15.4 | 642 | 4,454 | 40.1 | 889 |

Source: Hilltop-Refined MDS Data

About The Hilltop Institute

The Hilltop Institute at the University of Maryland, Baltimore County (UMBC) is a nationally recognized research center dedicated to improving the health and social outcomes of vulnerable populations. Hilltop conducts research, analysis, and evaluation on behalf of government agencies, foundations, and other non-profit organizations at the national, state, and local levels.

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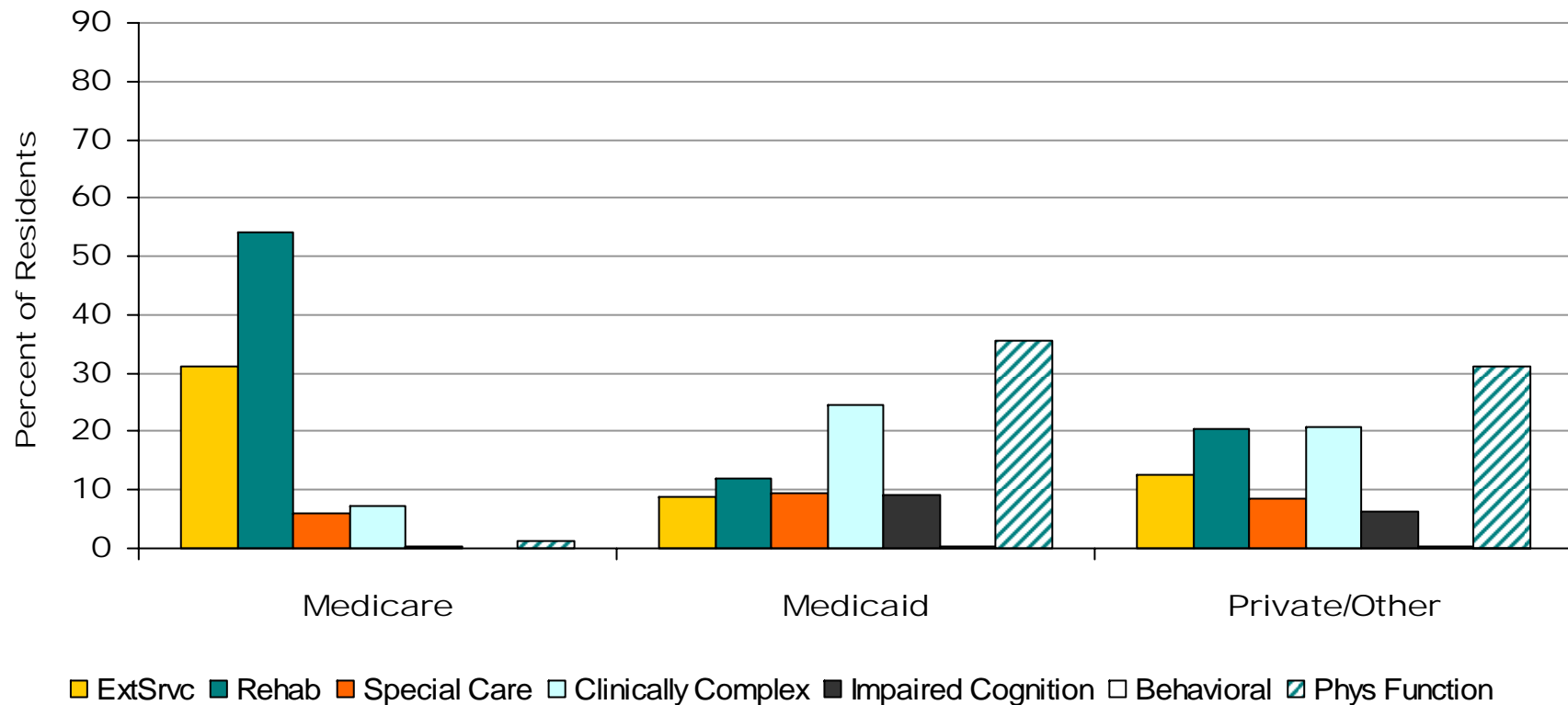
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Maryland Nursing Facility Population by RUG 34 Level and Payor: November 1, 2008

| RUG Level | All | | Payor | | | | | |
|----------------------|--------|--------|---------------|--------|---------------|--------|---------------|--------|
| | # | % Col. | Medicare-Paid | | Medicaid-Paid | | Private/Other | |
| | | | # | % Col. | # | % Col. | # | % Col. |
| 1 Extensive Service | 3,323 | 13.4 | 1,334 | 31.0 | 1,286 | 8.7 | 703 | 12.5 |
| 2 Rehab | 5,260 | 21.3 | 2,322 | 54.0 | 1,795 | 12.1 | 1,143 | 20.4 |
| 3 Special Care | 2,131 | 8.6 | 260 | 6.1 | 1,397 | 9.4 | 474 | 8.5 |
| 4 Clinically Complex | 5,124 | 20.7 | 303 | 7.1 | 3,648 | 24.6 | 1,173 | 20.9 |
| 5 Impaired Cognition | 1,730 | 7.0 | 16 | 0.4 | 1,354 | 9.1 | 360 | 6.4 |
| 6 Behavioral | 62 | 0.3 | 1 | 0.0 | 52 | 0.4 | 9 | 0.2 |
| 7 Physical Function | 7,087 | 28.7 | 61 | 1.4 | 5,282 | 35.7 | 1,744 | 31.1 |
| Total | 24,717 | | 4,297 | | 14,814 | | 5,606 | |
| (% of Total) | (100%) | | (17.4%) | | (59.9%) | | (22.7%) | |

Source: Hilltop-Refined MDS Data.
See Exhibit 2 for more detail.

Maryland Nursing Facility Population by RUG 34 Level and Payor: November 1, 2008



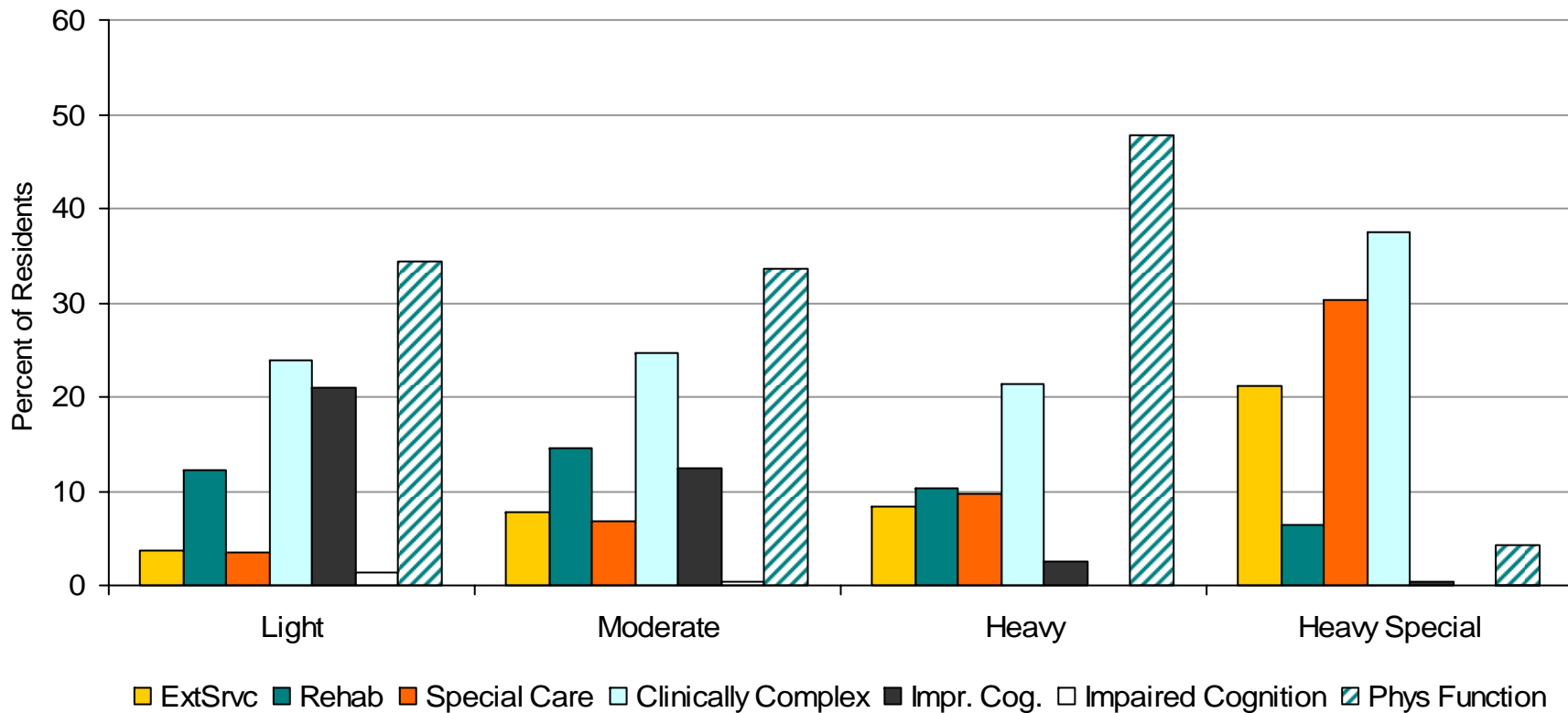
Compare to RUG 44

Medicaid-Paid Residents in Maryland by RUG 34 Level and NHLOC: November 1, 2008

| RUG Level | Maryland Medicaid Nursing Home Level of Care | | | | | | | | | |
|----------------------|--|--------|---------|--------|----------|--------|---------|--------|---------------|--------|
| | Medicaid-Paid | | Light | | Moderate | | Heavy | | Heavy Special | |
| | # | % Col. | # | % Col. | # | % Col. | # | % Col. | # | % Col. |
| 1 Extensive Service | 1,286 | 8.7 | 66 | 3.6 | 525 | 7.8 | 410 | 8.4 | 285 | 21.2 |
| 2 Rehab | 1,795 | 12.1 | 223 | 12.3 | 985 | 14.6 | 500 | 10.2 | 87 | 6.5 |
| 3 Special Care | 1,397 | 9.4 | 64 | 3.5 | 450 | 6.7 | 478 | 9.7 | 405 | 30.2 |
| 4 Clinically Complex | 3,648 | 24.6 | 434 | 23.9 | 1,659 | 24.6 | 1,053 | 21.4 | 502 | 37.4 |
| 5 Impaired Cognition | 1,354 | 9.1 | 381 | 21.0 | 840 | 12.5 | 127 | 2.6 | 6 | 0.4 |
| 6 Behavioral | 52 | 0.4 | 26 | 1.4 | 26 | 0.4 | 0 | 0.0 | 0 | 0.0 |
| 7 Physical Function | 5,282 | 35.7 | 623 | 34.3 | 2,260 | 33.5 | 2,342 | 47.7 | 57 | 4.2 |
| Total | 14,814 | | 1,817 | | 6,745 | | 4,910 | | 1,342 | |
| % of Total | (100%) | | (12.7%) | | (45.8%) | | (32.5%) | | (9.1%) | |

Source: Hilltop-Refined MDS Data

Medicaid-Paid Residents by RUG 34 Level and NHLOC: November 1, 2008



Compare to RUG 44

RUG Category Labels and Hierarchical Levels

| | RUG | RUG Category Label | Hierarchical Level | | |
|----|-----|---|--------------------|--------|--------|
| | | | RUG 34 | RUG 44 | RUG 53 |
| 1 | RUX | Rehab / Ultra High Plus Extensive / 16 - 18 ADLs | | | 1 |
| 2 | RUL | Rehab / Ultra High Plus Extensive / 7 - 15 ADLs | | | 1 |
| 3 | RVX | Rehab / Very High Plus Extensive / 16 - 18 ADLs | | | 1 |
| 4 | RVL | Rehab / Very High Plus Extensive / 7 - 15 ADLs | | | 1 |
| 5 | RHX | Rehab / High Plus Extensive / 13 - 18 ADLs | | | 1 |
| 6 | RHL | Rehab / High Plus Extensive / 7 - 12 ADLs | | | 1 |
| 7 | RMX | Rehab / Medium Plus Extensive / 15 - 18 ADLs | | | 1 |
| 8 | RML | Rehab / Medium Plus Extensive / 7 - 14 ADLs | | | 1 |
| 9 | RLX | Rehab / Low Plus Extensive / 7 - 18 ADLs | | | 1 |
| 10 | RUC | Rehab / Ultra High / 16 - 18 ADLs | | 1 | 2 |
| 11 | RUB | Rehab / Ultra High / 9 - 15 ADLs | | 1 | 2 |
| 12 | RUA | Rehab / Ultra High / 4 - 8 ADLs | | 1 | 2 |
| 13 | RVC | Rehab / Very High / 16 - 18 ADLs | | 1 | 2 |
| 14 | RVB | Rehab / Very High / 9 - 15 ADLs | | 1 | 2 |
| 15 | RVA | Rehab / Very High / 4 - 8 ADLs | | 1 | 2 |
| 16 | RHC | Rehab / High / 13 - 18 ADLs | | 1 | 2 |
| 17 | RHB | Rehab / High / 8 - 12 ADLs | | 1 | 2 |
| 18 | RHA | Rehab / High / 4 - 7 ADLs | | 1 | 2 |
| 19 | RMC | Rehab / Medium / 15 - 18 ADLs | | 1 | 2 |
| 20 | RMB | Rehab / Medium / 8 - 14 ADLs | | 1 | 2 |
| 21 | RMA | Rehab / Medium / 4 - 7 ADLs | | 1 | 2 |
| 22 | RLB | Rehab / Low / 14 - 18 ADLs | | 1 | 2 |
| 23 | RLA | Rehab / Low / 4 - 13 ADLs | | 1 | 2 |
| 24 | SE3 | Extensive Services / 7+ ADLs / 4 or 5 ES services | 1 | 2 | 3 |
| 25 | SE2 | Extensive Services / 7+ ADLs / 2 or 3 ES services | 1 | 2 | 3 |
| 26 | SE1 | Extensive Services / 7+ ADLs / 1 ES service | 1 | 2 | 3 |
| 27 | RAD | Rehab / All Levels / 17 - 18 ADLs | 2 | | |
| 28 | RAC | Rehab / All Levels / 14 - 16 ADLs | 2 | | |
| 29 | RAB | Rehab / All Levels / 9 - 13 ADLs | 2 | | |
| 30 | RAA | Rehab / All Levels / 4 - 8 ADLs | 2 | | |
| 31 | SSC | Special Care / 17 - 18 ADLs | 3 | 3 | 4 |
| 32 | SSB | Special Care / 15 - 16 ADLs | 3 | 3 | 4 |
| 33 | SSA | Special Care / 7 - 14 ADLs | 3 | 3 | 4 |
| 34 | CC2 | Clinically Complex / 17 - 18 ADLs / Depression | 4 | 4 | 5 |
| 35 | CC1 | Clinically Complex / 17 - 18 ADLs | 4 | 4 | 5 |
| 36 | CB2 | Clinically Complex / 12 - 16 ADLs / Depression | 4 | 4 | 5 |
| 37 | CB1 | Clinically Complex / 12 - 16 ADLs | 4 | 4 | 5 |
| 38 | CA2 | Clinically Complex / 4 - 11 ADLs / Depression | 4 | 4 | 5 |
| 39 | CA1 | Clinically Complex / 4 - 11 ADLs | 4 | 4 | 5 |
| 40 | IB2 | Impaired Cognition / 6 - 10 ADLs / Nursing Rehab | 5 | 5 | 6 |
| 41 | IB1 | Impaired Cognition / 6 - 10 ADLs | 5 | 5 | 6 |
| 42 | IA2 | Impaired Cognition / 4 - 5 ADLs / Nursing Rehab | 5 | 5 | 6 |
| 43 | IA1 | Impaired Cognition / 4 - 5 ADLs | 5 | 5 | 6 |
| 44 | BB2 | Behavior Only / 6 - 10 ADLs / Nursing Rehab | 6 | 6 | 7 |
| 45 | BB1 | Behavior Only / 6 - 10 ADLs | 6 | 6 | 7 |
| 46 | BA2 | Behavior Only / 4 - 5 ADLs / Nursing Rehab | 6 | 6 | 7 |
| 47 | BA1 | Behavior Only / 4 - 5 ADLs | 6 | 6 | 7 |
| 48 | PE2 | Physical Function / 16 - 18 ADLs / Nursing Rehab | 7 | 7 | 8 |
| 49 | PE1 | Physical Function / 16 - 18 ADLs | 7 | 7 | 8 |
| 50 | PD2 | Physical Function / 11 - 15 ADLs / Nursing Rehab | 7 | 7 | 8 |
| 51 | PD1 | Physical Function / 11 - 15 ADLs | 7 | 7 | 8 |
| 52 | PC2 | Physical Function / 9 - 10 ADLs / Nursing Rehab | 7 | 7 | 8 |
| 53 | PC1 | Physical Function / 9 - 10 ADLs | 7 | 7 | 8 |
| 54 | PB2 | Physical Function / 6 - 8 ADLs / Nursing Rehab | 7 | 7 | 8 |
| 55 | PB1 | Physical Function / 6 - 8 ADLs | 7 | 7 | 8 |
| 56 | PA2 | Physical Function / 4 - 5 ADLs / Nursing Rehab | 7 | 7 | 8 |
| 57 | PA1 | Physical Function / 4 - 5 ADLs | 7 | 7 | 8 |
| 58 | BC1 | Default, if missing key data | | | |

RUG Category Labels and Relative Nursing Weights*

| | RUG | RUG Category Label | Relative Nursing Weights | | |
|----|-----|---|--------------------------|--------|--------|
| | | | RUG 34 | RUG 44 | RUG 53 |
| 1 | RUX | Rehab / Ultra High Plus Extensive / 16 - 18 ADLs | | | 1.90 |
| 2 | RUL | Rehab / Ultra High Plus Extensive / 7 - 15 ADLs | | | 1.40 |
| 3 | RVX | Rehab / Very High Plus Extensive / 16 - 18 ADLs | | | 1.54 |
| 4 | RVL | Rehab / Very High Plus Extensive / 7 - 15 ADLs | | | 1.33 |
| 5 | RHX | Rehab / High Plus Extensive / 13 - 18 ADLs | | | 1.42 |
| 6 | RHL | Rehab / High Plus Extensive / 7 - 12 ADLs | | | 1.37 |
| 7 | RMX | Rehab / Medium Plus Extensive / 15 - 18 ADLs | | | 1.93 |
| 8 | RML | Rehab / Medium Plus Extensive / 7 - 14 ADLs | | | 1.68 |
| 9 | RLX | Rehab / Low Plus Extensive / 7 - 18 ADLs | | | 1.31 |
| 10 | RUC | Rehab / Ultra High / 16 - 18 ADLs | | 1.43 | 1.28 |
| 11 | RUB | Rehab / Ultra High / 9 - 15 ADLs | | 1.05 | 0.99 |
| 12 | RUA | Rehab / Ultra High / 4 - 8 ADLs | | 0.85 | 0.84 |
| 13 | RVC | Rehab / Very High / 16 - 18 ADLs | | 1.24 | 1.23 |
| 14 | RVB | Rehab / Very High / 9 - 15 ADLs | | 1.14 | 1.09 |
| 15 | RVA | Rehab / Very High / 4 - 8 ADLs | | 0.89 | 0.82 |
| 16 | RHC | Rehab / High / 13 - 18 ADLs | | 1.30 | 1.22 |
| 17 | RHB | Rehab / High / 8 - 12 ADLs | | 1.16 | 1.11 |
| 18 | RHA | Rehab / High / 4 - 7 ADLs | | 0.96 | 0.94 |
| 19 | RMC | Rehab / Medium / 15 - 18 ADLs | | 1.48 | 1.15 |
| 20 | RMB | Rehab / Medium / 8 - 14 ADLs | | 1.20 | 1.09 |
| 21 | RMA | Rehab / Medium / 4 - 7 ADLs | | 1.06 | 1.04 |
| 22 | RLB | Rehab / Low / 14 - 18 ADLs | | 1.22 | 1.14 |
| 23 | RLA | Rehab / Low / 4 - 13 ADLs | | 0.87 | 0.85 |
| 24 | SE3 | Extensive Services / 7+ ADLs / 4 or 5 ES services | 2.10 | 1.86 | 1.86 |
| 25 | SE2 | Extensive Services / 7+ ADLs / 2 or 3 ES services | 1.79 | 1.52 | 1.49 |
| 26 | SE1 | Extensive Services / 7+ ADLs / 1 ES service | 1.54 | 1.28 | 1.26 |
| 27 | RAD | Rehab / All Levels / 17 - 18 ADLs | 1.66 | | |
| 28 | RAC | Rehab / All Levels / 14 - 16 ADLs | 1.31 | | |
| 29 | RAB | Rehab / All Levels / 9 - 13 ADLs | 1.24 | | |
| 30 | RAA | Rehab / All Levels / 4 - 8 ADLs | 1.07 | | |
| 31 | SSC | Special Care / 17 - 18 ADLs | 1.44 | 1.24 | 1.23 |
| 32 | SSB | Special Care / 15 - 16 ADLs | 1.33 | 1.15 | 1.13 |
| 33 | SSA | Special Care / 7 - 14 ADLs | 1.28 | 1.11 | 1.10 |
| 34 | CC2 | Clinically Complex / 17 - 18 ADLs / Depression | 1.42 | 1.23 | 1.22 |
| 35 | CC1 | Clinically Complex / 17 - 18 ADLs | 1.25 | 1.08 | 1.06 |
| 36 | CB2 | Clinically Complex / 12 - 16 ADLs / Depression | 1.15 | 1.00 | 0.98 |
| 37 | CB1 | Clinically Complex / 12 - 16 ADLs | 1.07 | 0.92 | 0.91 |
| 38 | CA2 | Clinically Complex / 4 - 11 ADLs / Depression | 1.06 | 0.91 | 0.90 |
| 39 | CA1 | Clinically Complex / 4 - 11 ADLs | 0.95 | 0.82 | 0.80 |
| 40 | IB2 | Impaired Cognition / 6 - 10 ADLs / Nursing Rehab | 0.88 | 0.76 | 0.74 |
| 41 | IB1 | Impaired Cognition / 6 - 10 ADLs | 0.85 | 0.73 | 0.72 |
| 42 | IA2 | Impaired Cognition / 4 - 5 ADLs / Nursing Rehab | 0.72 | 0.65 | 0.61 |
| 43 | IA1 | Impaired Cognition / 4 - 5 ADLs | 0.67 | 0.58 | 0.56 |
| 44 | BB2 | Behavior Only / 6 - 10 ADLs / Nursing Rehab | 0.86 | 0.75 | 0.73 |
| 45 | BB1 | Behavior Only / 6 - 10 ADLs | 0.82 | 0.71 | 0.69 |
| 46 | BA2 | Behavior Only / 4 - 5 ADLs / Nursing Rehab | 0.71 | 0.61 | 0.60 |
| 47 | BA1 | Behavior Only / 4 - 5 ADLs | 0.60 | 0.52 | 0.52 |
| 48 | PE2 | Physical Function / 16 - 18 ADLs / Nursing Rehab | 1.00 | 0.86 | 0.85 |
| 49 | PE1 | Physical Function / 16 - 18 ADLs | 0.97 | 0.84 | 0.82 |
| 50 | PD2 | Physical Function / 11 - 15 ADLs / Nursing Rehab | 0.91 | 0.78 | 0.78 |
| 51 | PD1 | Physical Function / 11 - 15 ADLs | 0.89 | 0.73 | 0.76 |
| 52 | PC2 | Physical Function / 9 - 10 ADLs / Nursing Rehab | 0.83 | 0.72 | 0.71 |
| 53 | PC1 | Physical Function / 9 - 10 ADLs | 0.81 | 0.70 | 0.69 |
| 54 | PB2 | Physical Function / 6 - 8 ADLs / Nursing Rehab | 0.65 | 0.56 | 0.55 |
| 55 | PB1 | Physical Function / 6 - 8 ADLs | 0.63 | 0.55 | 0.54 |
| 56 | PA2 | Physical Function / 4 - 5 ADLs / Nursing Rehab | 0.62 | 0.53 | 0.53 |
| 57 | PA1 | Physical Function / 4 - 5 ADLs | 0.59 | 0.51 | 0.50 |
| 58 | BC1 | Default, if missing key data | 0.59 | 0.51 | 0.50 |

* RUG 34 and RUG 44 weights based on Medicaid data. RUG 53 weights based on Medicare data.

Statewide SNF/NF Population by RUG 44 & Payor: November 1, 2008

| Level | RUG | All | | | Payor | | | | | | | | |
|--------------|-----|--------|-----------|-----------------|---------------|-----------|-----------------|---------------|-----------|-----------------|---------------|-----------|-----------------|
| | | # | % of Col. | Level % of Col. | Medicare-Paid | | | Medicaid-Paid | | | Private/Other | | |
| | | | | | # | % of Col. | Level % of Col. | # | % of Col. | Level % of Col. | # | % of Col. | Level % of Col. |
| 1 | RUC | 542 | 2.2 | 28.9 | 334 | 7.8 | 77.3 | 110 | 0.7 | 15.6 | 98 | 1.7 | 26.8 |
| 1 | RUB | 1,404 | 5.7 | | 919 | 21.4 | | 279 | 1.9 | | 206 | 3.7 | |
| 1 | RUA | 230 | 0.9 | | 159 | 3.7 | | 44 | 0.3 | | 27 | 0.5 | |
| 1 | RVC | 580 | 2.3 | | 265 | 6.2 | | 169 | 1.1 | | 146 | 2.6 | |
| 1 | RVB | 1,461 | 5.9 | | 729 | 17.0 | | 403 | 2.7 | | 329 | 5.9 | |
| 1 | RVA | 278 | 1.1 | | 167 | 3.9 | | 68 | 0.5 | | 43 | 0.8 | |
| 1 | RHC | 736 | 3.0 | | 224 | 5.2 | | 307 | 2.1 | | 205 | 3.7 | |
| 1 | RHB | 303 | 1.2 | | 127 | 3.0 | | 119 | 0.8 | | 57 | 1.0 | |
| 1 | RHA | 108 | 0.4 | | 39 | 0.9 | | 47 | 0.3 | | 22 | 0.4 | |
| 1 | RMC | 664 | 2.7 | | 177 | 4.1 | | 334 | 2.3 | | 153 | 2.7 | |
| 1 | RMB | 661 | 2.7 | | 153 | 3.6 | | 337 | 2.3 | | 171 | 3.1 | |
| 1 | RMA | 146 | 0.6 | | 28 | 0.7 | | 76 | 0.5 | | 42 | 0.7 | |
| 1 | RLB | 13 | 0.1 | | 1 | 0.0 | | 8 | 0.1 | | 4 | 0.1 | |
| 1 | RLA | 9 | 0.0 | | 1 | 0.0 | | 6 | 0.0 | | 2 | 0.0 | |
| 2 | SE3 | 331 | 1.3 | 5.9 | 89 | 2.1 | 7.7 | 151 | 1.0 | 5.2 | 91 | 1.6 | 6.1 |
| 2 | SE2 | 1,043 | 4.2 | | 235 | 5.5 | | 573 | 3.9 | | 235 | 4.2 | |
| 2 | SE1 | 74 | 0.3 | | 9 | 0.2 | | 50 | 0.3 | | 15 | 0.3 | |
| 3 | SSC | 576 | 2.3 | 8.6 | 68 | 1.6 | 6.1 | 384 | 2.6 | 9.4 | 124 | 2.2 | 8.5 |
| 3 | SSB | 808 | 3.3 | | 77 | 1.8 | | 547 | 3.7 | | 184 | 3.3 | |
| 3 | SSA | 747 | 3.0 | | 115 | 2.7 | | 466 | 3.1 | | 166 | 3.0 | |
| 4 | CC2 | 108 | 0.4 | 20.7 | 18 | 0.4 | 7.1 | 69 | 0.5 | 24.6 | 21 | 0.4 | 20.9 |
| 4 | CC1 | 613 | 2.5 | | 32 | 0.7 | | 459 | 3.1 | | 122 | 2.2 | |
| 4 | CB2 | 331 | 1.3 | | 30 | 0.7 | | 216 | 1.5 | | 85 | 1.5 | |
| 4 | CB1 | 2,438 | 9.9 | | 110 | 2.6 | | 1,770 | 11.9 | | 558 | 10.0 | |
| 4 | CA2 | 253 | 1.0 | | 29 | 0.7 | | 149 | 1.0 | | 75 | 1.3 | |
| 4 | CA1 | 1,381 | 5.6 | | 84 | 2.0 | | 985 | 6.6 | | 312 | 5.6 | |
| 5 | IB2 | 37 | 0.1 | 7.0 | 1 | 0.0 | 0.4 | 26 | 0.2 | 9.1 | 10 | 0.2 | 6.4 |
| 5 | IB1 | 1,176 | 4.8 | | 11 | 0.3 | | 919 | 6.2 | | 246 | 4.4 | |
| 5 | IA2 | 5 | 0.0 | | 0 | 0.0 | | 3 | 0.0 | | 2 | 0.0 | |
| 5 | IA1 | 512 | 2.1 | | 4 | 0.1 | | 406 | 2.7 | | 102 | 1.8 | |
| 6 | BB2 | 1 | 0.0 | 0.3 | 0 | 0.0 | 0.0 | 1 | 0.0 | 0.4 | 0 | 0.0 | 0.2 |
| 6 | BB1 | 29 | 0.1 | | 1 | 0.0 | | 25 | 0.2 | | 3 | 0.1 | |
| 6 | BA2 | 1 | 0.0 | | 0 | 0.0 | | 0 | 0.0 | | 1 | 0.0 | |
| 6 | BA1 | 31 | 0.1 | | 0 | 0.0 | | 26 | 0.2 | | 5 | 0.1 | |
| 7 | PE2 | 58 | 0.2 | 28.7 | 2 | 0.0 | 1.4 | 38 | 0.3 | 35.7 | 18 | 0.3 | 31.1 |
| 7 | PE1 | 1,527 | 6.2 | | 15 | 0.3 | | 1,129 | 7.6 | | 383 | 6.8 | |
| 7 | PD2 | 176 | 0.7 | | 1 | 0.0 | | 128 | 0.9 | | 47 | 0.8 | |
| 7 | PD1 | 3,846 | 15.6 | | 33 | 0.8 | | 2,805 | 18.9 | | 1,008 | 18.0 | |
| 7 | PC2 | 14 | 0.1 | | 0 | 0.0 | | 10 | 0.1 | | 4 | 0.1 | |
| 7 | PC1 | 261 | 1.1 | | 5 | 0.1 | | 195 | 1.3 | | 61 | 1.1 | |
| 7 | PB2 | 7 | 0.0 | | 0 | 0.0 | | 4 | 0.0 | | 3 | 0.1 | |
| 7 | PB1 | 449 | 1.8 | | 2 | 0.0 | | 370 | 2.5 | | 77 | 1.4 | |
| 7 | PA2 | 4 | 0.0 | | 0 | 0.0 | | 3 | 0.0 | | 1 | 0.0 | |
| 7 | PA1 | 745 | 3.0 | | 3 | 0.1 | | 600 | 4.1 | | 142 | 2.5 | |
| Total | | 24,717 | | | 4,297 | | | 14,814 | | | 5,606 | | |
| (% of Total) | | (100%) | | | (17.4%) | | | (59.9%) | | | (22.7%) | | |

Statewide SNF/NF Population by RUG 34 & Payor: November 1, 2008

| Level | RUG | All | | | Payor | | | | | | | | |
|--------------|-----|--------|-----------|-----------------|---------------|-----------|-----------------|---------------|-----------|-----------------|---------------|-----------|-----------------|
| | | # | % of Col. | Level % of Col. | Medicare-Paid | | | Medicaid-Paid | | | Private/Other | | |
| | | | | | # | % of Col. | Level % of Col. | # | % of Col. | Level % of Col. | # | % of Col. | Level % of Col. |
| 1 | SE3 | 583 | 2.4 | 13.4 | 204 | 4.7 | 31.0 | 223 | 1.5 | 8.7 | 156 | 2.8 | 12.5 |
| 1 | SE2 | 2,584 | 10.5 | | 1,074 | 25.0 | | 988 | 6.7 | | 522 | 9.3 | |
| 1 | SE1 | 156 | 0.6 | | 56 | 1.3 | | 75 | 0.5 | | 25 | 0.4 | |
| 2 | RUC | 637 | 2.6 | 21.3 | 256 | 6.0 | 54.0 | 218 | 1.5 | 12.1 | 163 | 2.9 | 20.4 |
| 2 | RUB | 1,737 | 7.0 | | 731 | 17.0 | | 621 | 4.2 | | 385 | 6.9 | |
| 2 | RUA | 2,026 | 8.2 | | 938 | 21.8 | | 657 | 4.4 | | 431 | 7.7 | |
| 2 | RVC | 860 | 3.5 | | 397 | 9.2 | | 299 | 2.0 | | 164 | 2.9 | |
| 3 | SSC | 576 | 2.3 | 8.6 | 68 | 1.6 | 6.1 | 384 | 2.6 | 9.4 | 124 | 2.2 | 8.5 |
| 3 | SSB | 808 | 3.3 | | 77 | 1.8 | | 547 | 3.7 | | 184 | 3.3 | |
| 3 | SSA | 747 | 3.0 | | 115 | 2.7 | | 466 | 3.1 | | 166 | 3.0 | |
| 4 | CC2 | 108 | 0.4 | 20.7 | 18 | 0.4 | 7.1 | 69 | 0.5 | 24.6 | 21 | 0.4 | 20.9 |
| 4 | CC1 | 613 | 2.5 | | 32 | 0.7 | | 459 | 3.1 | | 122 | 2.2 | |
| 4 | CB2 | 331 | 1.3 | | 30 | 0.7 | | 216 | 1.5 | | 85 | 1.5 | |
| 4 | CB1 | 2,438 | 9.9 | | 110 | 2.6 | | 1,770 | 11.9 | | 558 | 10.0 | |
| 4 | CA2 | 253 | 1.0 | | 29 | 0.7 | | 149 | 1.0 | | 75 | 1.3 | |
| 4 | CA1 | 1,381 | 5.6 | | 84 | 2.0 | | 985 | 6.6 | | 312 | 5.6 | |
| 5 | IB2 | 37 | 0.1 | 7.0 | 1 | 0.0 | 0.4 | 26 | 0.2 | 9.1 | 10 | 0.2 | 6.4 |
| 5 | IB1 | 1,176 | 4.8 | | 11 | 0.3 | | 919 | 6.2 | | 246 | 4.4 | |
| 5 | IA2 | 5 | 0.0 | | 0 | 0.0 | | 3 | 0.0 | | 2 | 0.0 | |
| 5 | IA1 | 512 | 2.1 | | 4 | 0.1 | | 406 | 2.7 | | 102 | 1.8 | |
| 6 | BB2 | 1 | 0.0 | 0.3 | 0 | 0.0 | 0.0 | 1 | 0.0 | 0.4 | 0 | 0.0 | 0.2 |
| 6 | BB1 | 29 | 0.1 | | 1 | 0.0 | | 25 | 0.2 | | 3 | 0.1 | |
| 6 | BA2 | 1 | 0.0 | | 0 | 0.0 | | 0 | 0.0 | | 1 | 0.0 | |
| 6 | BA1 | 31 | 0.0 | | 0 | 0.0 | | 26 | 0.0 | | 5 | 0.0 | |
| 7 | PE2 | 58 | 0.2 | 28.7 | 2 | 0.0 | 1.4 | 38 | 0.3 | 35.7 | 18 | 0.3 | 31.1 |
| 7 | PE1 | 1,527 | 6.2 | | 15 | 0.3 | | 1,129 | 7.6 | | 383 | 6.8 | |
| 7 | PD2 | 176 | 0.7 | | 1 | 0.0 | | 128 | 0.9 | | 47 | 0.8 | |
| 7 | PD1 | 3,846 | 15.6 | | 33 | 0.8 | | 2,805 | 18.9 | | 1,008 | 18.0 | |
| 7 | PC2 | 14 | 0.1 | | 0 | 0.0 | | 10 | 0.1 | | 4 | 0.1 | |
| 7 | PC1 | 261 | 1.1 | | 5 | 0.1 | | 195 | 1.3 | | 61 | 1.1 | |
| 7 | PB2 | 7 | 0.0 | | 0 | 0.0 | | 4 | 0.0 | | 3 | 0.1 | |
| 7 | PB1 | 449 | 1.8 | | 2 | 0.0 | | 370 | 2.5 | | 77 | 1.4 | |
| 7 | PA2 | 4 | 0.0 | | 0 | 0.0 | | 3 | 0.0 | | 1 | 0.0 | |
| 7 | PA1 | 745 | 3.0 | | 3 | 0.1 | | 600 | 4.1 | | 142 | 2.5 | |
| Total | | 24,717 | | | 4,297 | | | 14,814 | | | 5,606 | | |
| (% of Total) | | (100%) | | | (17.4%) | | | (59.9%) | | | (22.7%) | | |